

CALVERTON INDUSTRIAL PARK
4285 MIDDLE COUNTRY ROAD
CALVERTON, NEW YORK
TAX MAP ID: 0600-116.00-01.00-002.000

SOIL CHARACTERIZATION REPORT

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PWGC Project Number: HKV2101

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SOIL CHARACTERIZATION REPORT
4285 MIDDLE COUNTRY RD, CALVERTON, NY

TABLE OF CONTENTS	PAGE
1.0 INTRODUCTION	1
2.0 BACKGROUND	2
2.1 Site Description and Features	2
2.2 Physical Setting.....	2
2.3 Site History and Land Use.....	2
2.4 Adjacent Property Land Use.....	2
2.5 Summary of Previous Assessments	2
2.5.1 Phase I Environmental Site Assessment Report (December 2019)	2
3.0 SOIL CHARACTERIZATION	4
3.1 Surface Soil Sampling	4
3.1.1 Drilling Procedures.....	4
3.1.2 Sample Collection	4
3.1.3 Sample Analysis	5
3.2 Western Property Boundary Soil Sampling.....	5
3.2.1 Drilling Procedures.....	6
3.2.2 Sample Collection	6
3.2.3 Sample Analysis	7
3.3 Characterization Sample Data Evaluation	7
4.0 SOIL CHARACTERIZATION RESULTS	8
4.1 Surface Soil Sampling Results	8
4.1.1 Surface Soil Characterization	8
4.1.2 Soil Analytical Results	8
4.2 Western Property Boundary Soil Sampling Results	9
4.2.1 Soil Boring Characterization.....	9
4.2.2 Soil Analytical Results	9
4.3 Soil Sampling Discussion.....	10
4.3.1 Soils Meet Unrestricted Use SCOs	11
4.3.2 Soils Meet General Fill Requirements.....	11
4.3.3 Soils Exceed General Fill Requirements.....	11
4.3.4 Soils Exceed Restricted Fill Requirements	12
5.0 CONCLUSIONS AND RECOMMENDATIONS	13
5.1 Conclusions.....	13
5.2 Recommendations	13
6.0 REFERENCES	15
7.0 LIMITATIONS.....	16



**SOIL CHARACTERIZATION REPORT
4285 MIDDLE COUNTRY RD, CALVERTON, NY**

FIGURES

FIGURE 1	Site Location Map
FIGURE 2	Site Plan
FIGURE 3	Soil Criteria
FIGURE 4	Soil Boring Locations

TABLES

TABLE 1	Soil Analytical Results – VOCs
TABLE 2	Soil Analytical Results – SVOCs
TABLE 3	Soil Analytical Results – Metals
TABLE 4	Soil Analytical Results – Pesticides, Herbicides, & PCBs

APPENDICES

APPENDIX A	Laboratory Analytical Reports
APPENDIX B	Soil Boring Logs

ACRONYM	DEFINITION
ASP	Analytical Services Protocol
ASTM	American Society for Testing and Materials
CFR	Code of Federal Regulations
DER	Department of Environmental Remediation
ELAP	Environmental Laboratory Approval Program
EM	Electromagnetic
ESA	Environmental Site Assessment
GQS	Groundwater Quality Standard
GV	Guidance Value
NYCRR	New York Codes, Rules, and Regulations
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
PCB	Polychlorinated Biphenyl
PID	Photo-ionization Detector
PWGC	P.W. Grosser Consulting, Inc.
QA/QC	Quality Assurance / Quality Control
REC	Recognized Environmental Condition
SCO	Soil Cleanup Objective
SVOC	Semi-volatile Organic Compound
USCS	Unified Soil Classification System
USEPA	United States Environmental Protection Agency
UST	Underground Storage Tank
VOC	Volatile Organic Compound



1.0 INTRODUCTION

HK Ventures LLC (Client) retained P.W. Grosser Consulting, Inc. (PWGC) to prepare a Soil Characterization Report for the property located at 4285 Middle Country Road, Calverton, New York. The purpose of the soil characterization was to characterize soils at the site prior to a planned redevelopment of the subject property. Work was conducted in accordance with PWGC's April 2021 Soil and Materials Management Plan (SMMP) and in substantial conformance with the New York State Department of Environmental Conservation's (NYSDEC's) Division of Environmental Remediation's (DER's) Technical Guidance for Site Investigation and Remediation, May 2010 (DER-10).

2.0 BACKGROUND

2.1 Site Description and Features

The subject property consists of one parcel located at 4285 Middle Country Road in the Hamlet of Calverton, New York. The site is located in the Town of Riverhead, and Suffolk County. The property is identified in the Suffolk County Tax Map as 0600-116.00-01.00-002.000. A Site Location Map is included as **Figure 1** and a Site Plan is included as **Figure 2**.

2.2 Physical Setting

The Site measures approximately 30.28 acres and is vacant with wooded areas along the northeast and southwest property boundaries. Currently, the property is primarily composed of a naturally vegetated undeveloped land. The property slopes gradually from north to south. Regional groundwater flow beneath the subject property is in a generally northeast direction as obtained from groundwater contour maps developed by the United States Geologic Survey for Long Island in 2013.

2.3 Site History and Land Use

The Site was historically used for agricultural purposes from before 1938 to approximately 1986. The Site is currently vacant and unimproved.

2.4 Adjacent Property Land Use

The Site is bounded by Middle Country Road and vacant land to the north, a wooded portion of the former Grumman property to the south, a sod farm to the east, and commercial properties to the west. Commercial properties to the west consist of a Tractor Supply Co. retail store, and Sky Materials which is a New York State Department of Environmental Conservation (NYSDEC) Part 360 permitted solid waste management facility.

2.5 Summary of Previous Assessments

2.5.1 Phase I Environmental Site Assessment Report (December 2019)

A Phase I ESA was prepared for the subject property in December of 2019 by H2M. The Phase I ESA identified the following REC associated with subject property.

- Based on a review of historical aerial photographs, the subject property was historically utilized for agricultural purposes from before 1938 to approximately 1986. Chemicals such as herbicides and

pesticides are commonly used during farming operations to control pests and maintain plant growth. Residual contamination may be present in site surface soils. Due to the potential presence of herbicides and pesticides in the onsite soil, this is considered to be a REC.

Based on review of the Phase I ESA and a visual inspection of the Site and surrounding area, PWGC identified the following additional potential environmental concerns:

- Current and historical usage of properties in the surrounding area for agricultural purposes. As with the usage of the subject property, this usage is likely associated with the application of pesticides and herbicides. Such compounds may have migrated to the subject property from adjacent properties via surficial storm runoff or wind deposition.
- The adjacent property to the west (Sky Materials) is an active NYSDEC permitted solid waste management facility. Based on a visual inspection of this property from public rights of way, it appears the facility engages in processing construction and demolition (C&D) debris and vegetative waste (mulching). Based on review of historical aerial photographs, there is no evidence of piles of soil or debris, or other evidence of improper dumping associated with the Sky Materials site on the subject property. There is evidence of a possible access road/trail that appears to be associated with the Sky Materials site that encroached onto the southwestern corner of the subject property from approximately 2006 to 2010 (the trail currently appears to be overgrown with vegetation). However, based on the documented history of poor housekeeping, violations, and non-compliance with permit conditions, it is possible that soils, C&D debris and/or other materials from Sky Materials may potentially have been improperly dumped along the common boundary with the subject property.
- The former Calverton Naval Weapons Industrial Reserve Plant (NWIRP) is located to the south and west of the subject property. This site is currently known as Enterprise Park at Calverton (EPCAL). This site is listed as a NYSDEC Class 2 Hazardous Waste site where volatile organic compound (VOC) and per- and polyfluoroalkyl substance (PFAS) impact to groundwater has been documented.

3.0 SOIL CHARACTERIZATION

Soils at the site were characterized to evaluate potential impacts related to the former agricultural usage of the subject property, as well as the current and historical usage of the adjacent property to the west that has been used as a sand mine and is currently a registered C&D processing facility (Sky Materials).

3.1 Surface Soil Sampling

To evaluate potential impact related to the former agricultural usage of the subject property, PWGC performed screening sampling by collecting composite surface soil samples. The site was divided into 30 approximately one-acre grids, and five shallow soil borings were installed in each for the purposes of collecting composite samples from multiple depths within each grid. Sample grids are illustrated in **Figure 3**.

3.1.1 Drilling Procedures

Sampling was performed between October 13 and October 15, 2021. Shallow soil borings were installed manually using a stainless-steel hand auger. Soils were collected continuously from ground surface to an approximate depth of two feet below ground surface (bgs). Collected soils were placed on 10-mil polyethylene sheeting in the order they came out of the ground. Soils were screened for the presence of volatile organic vapors, which are commonly associated with petroleum products and industrial solvents, utilizing a photo-ionization detector (PID). Soils were classified by a hydrogeologist using the Unified Soil Classification System (USCS).

3.1.2 Sample Collection

At each sampling grid, soil samples from the following intervals were collected:

- One five-point composite sample comprised of soils collected from each of the five borings installed within the grid from ground surface to two inches bgs (or two inches below the vegetated root layer).
- One five-point composite sample comprised of soils collected from each of the five borings installed within the grid from 18 to 24 inches bgs.

Soil samples collected for VOCs were discrete samples (non-composite and non-homogenous) to minimize VOC loss. Remaining soils from each interval within each grid were transferred to a stainless-steel bowl and homogenized. Once homogenized, samples were transferred to pre-cleaned, pre-preserved laboratory supplied glassware.

3.1.3 Sample Analysis

Initially, only the 0 to 2-inch sample from each grid was analyzed. For sample grids where the 0 to 2-inch sample exceeded applicable standards, the corresponding 18 to 24-inch sample was analyzed to evaluate the vertical extent of impact.

Soil samples submitted for laboratory analysis were placed on ice in a cooler and shipped under proper chain-of-custody procedures to Alpha Analytical Laboratories (Alpha), a New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP) certified laboratory. Samples were analyzed for:

- Pesticides by USEPA Methods 8081.
- Target Analyte List (TAL) Metals by USEPA Methods 6010/7471.

In addition to pesticides and metals, approximately 20% of samples were also analyzed for full Part 375 parameters. As no evidence of impact was identified during field screening, full Part 375 sample locations were selected at random to provide representative coverage of the entire site. Part 375 parameters include the following analyses in addition to pesticides and metals:

- Volatile organic compounds (VOCs) by USEPA Method 8260.
- Semi-volatile organic compounds (SVOCs) by USEPA Method 8270.
- Poly-chlorinated biphenyls (PCBs) by USEPA Method 8082.
- Herbicides by USEPA Method 8151

Analytical data are summarized in **Tables 1** through **4**; laboratory reports are included as **Appendix A**.

3.2 Western Property Boundary Soil Sampling

To evaluate potential impact related to the current and historical usage of the adjacent property to the west (Sky Materials), an access road/trail that appears from the Sky Materials site that encroached onto the southwestern corner of the subject property from approximately 2006 to 2010, and a documented history of poor housekeeping, violations, and non-compliance with permit conditions at the Sky Materials site, screening sampling was performed by installing 10 soil borings along the common property boundary. Boring locations are illustrated in **Figure 4**.

3.2.1 Drilling Procedures

Associated Environmental Services, Inc. (Associated) of Hauppauge, New York provided environmental drilling services during the characterization. On October 11, 2021, Associated mobilized to the site with a Geoprobe® 7822DT direct-push drill rig to install environmental soil borings. Soils were collected continuously from ground surface to a depth of approximately 10 feet bgs or until native soils were encountered, whichever was deeper. Collected soils were placed on 10-mil polyethylene sheeting in the order they came out of the ground. Soils were screened for the presence of volatile organic vapors, which are commonly associated with petroleum products and industrial solvents, utilizing a PID. Soils were classified by a hydrogeologist using the USCS. Soil boring logs are included as **Appendix B**.

3.2.2 Sample Collection

Soils from each boring location were screened for evidence of the presence of non-native fill material and/or C&D debris that may be associated with the adjacent property, or other evidence of impact (e.g., staining, odors, elevated PID response). Soil samples were collected for analysis from borings where evidence of non-native fill material, C&D debris and/or other evidence of impact is observed.

At each boring location one sample was collected from the two-foot interval exhibiting the greatest degree of impact. For boring locations where no evidence of impact was detected, sample intervals were selected at random. Based on this, samples were collected as follows:

- Soil borings SB001 through SB008 – no evidence of impact or fill material was identified. As such soil sample intervals were selected at random.
- Soil boring SB009 – evidence of fill material (asphalt and brick fragments) was observed from 1 to 4 feet bgs. As such a soil sample was collected from the 2 to 4-foot interval where evidence of fill material was most concentrated.
- Soil boring SB010 - evidence of fill material (asphalt and brick fragments) was observed from 1 to 8 feet bgs. As such a soil sample was collected from the 6 to 8-foot interval where evidence of fill material was most concentrated.

Soil samples collected for VOCs were discrete samples (non-composite and non-homogenous) to minimize VOC loss. Remaining soils were transferred to a stainless-steel bowl and homogenized. Once homogenized, samples were transferred to pre-cleaned, pre-preserved laboratory supplied glassware.

3.2.3 *Sample Analysis*

Soil samples to be submitted for laboratory analysis were placed on ice in a cooler and shipped under proper chain-of-custody procedures to Alpha. Samples were analyzed for:

- VOCs by USEPA Method 8260.
- SVOCs by USEPA Method 8270.
- PCBs by USEPA Method 8082.
- Pesticides by USEPA Methods 8081.
- Herbicides by USEPA Method 8151
- TAL Metals by USEPA Methods 6010/7471.

Analytical data are summarized in **Tables 1** through **4**; laboratory reports are included as **Appendix A**.

3.3 **Characterization Sample Data Evaluation**

Sample data was compared to the Unrestricted Use Soil Cleanup Objectives (UUSCOs) specified in 6 NYCRR Part 375-6, Remediation Program Soil Cleanup Objectives, and the General Fill requirements specified in Table 2 of 6 NYCRR Part 360.13, Special Requirements for Pre-Determined Beneficial Use of Fill Material.



4.0 SOIL CHARACTERIZATION RESULTS

4.1 Surface Soil Sampling Results

4.1.1 Surface Soil Characterization

Between October 13 and October 15, 2021, a total of 150 shallow soil borings were installed across the site using a stainless-steel hand auger. PID readings did not exceed 0.2 parts per million (ppm) when screened with a PID.

4.1.2 Soil Analytical Results

Sample data was compared to the Unrestricted Use Soil Cleanup Objectives (UUSCOs) specified in 6 NYCRR Part 375-6, Remediation Program Soil Cleanup Objectives, and the General Fill requirements specified in Table 2 of 6 NYCRR Part 360.13, Special Requirements for Pre-Determined Beneficial Use of Fill Material.

A total of seven surface soil samples were collected for VOC analysis. VOCs were not detected exceeding UUSCOs in the seven samples.

A total of six surface soil samples were collected for SVOC analysis. SVOCs were not detected exceeding UUSCOs in the six samples.

Metals were detected at concentrations exceeding their respective UUSCOs in samples collected from 14 of 30 grids in the 0-2 inch interval (Grids A, B, C, H, I, J, K, L, M, N, O, Q, AC, and AD). As such samples from the 18-24 inch interval from these grids were analyzed. Metals were detected at concentrations exceeding their respective UUSCOs in four (4) of the 14 samples submitted from the 18-24 inch interval (Grids A, B, O, and Q). In samples where metals were detected at concentrations exceeding UUSCOs in the 18-24 inch interval, the concentrations detected were uniformly lower than the corresponding 0-2 inch sample. In each of the samples collected, arsenic was the sole metal detected above UUSCOs with the exception of Grids A and B where mercury was detected as well. In each sample where arsenic was detected at a concentration exceeding its UUSCO of 13 ppm, it also exceeded its General Fill requirement standard of 16 ppm.

Pesticides were detected at concentrations exceeding their respective UUSCOs in samples collected from 29 of 30 grids in the 0-2 inch interval (all except Grid E). As such samples from the 18-24 inch interval from these grids were analyzed. Pesticides were detected at concentrations exceeding their respective UUSCOs in 28 of the 29 samples submitted from the 18-24 inch interval (all except Grid X). In samples where pesticides were detected at concentrations exceeding UUSCOs in the 18-24 inch interval, the concentrations detected were generally lower than the corresponding 0-2 inch sample. Pesticides exceeding General Fill requirements were limited to Grids A, B, H and O.

A total of five surface soil samples were collected for PCB analysis. Each of the five samples did not yield detectable concentrations of PCBs.

A total of six surface soil samples were collected for herbicide analysis. Each of the six samples did not yield detectable concentrations of herbicides.

4.2 Western Property Boundary Soil Sampling Results

4.2.1 Soil Boring Characterization

On October 11, 2021, a total of ten soil borings were installed along the western property boundary to evaluate potential contamination from the adjacent property. Soil generally consisted of a layer of topsoil approximately one-foot thick transitioning to a silty sand mixture containing gravel with a layer of clayey silt with low plasticity occasionally intermixed. As depth increases, soil borings transitioned to a well graded medium sand with gravel. Evidence of fill material was observed in the two southernmost borings, SB009 and SB010. No visual or olfactory contamination was observed in the soil borings, and PID readings did not exceed 0.4 ppm when screened with a PID. Groundwater was not encountered in any of the soil borings.

4.2.2 Soil Analytical Results

Sample data was compared to the Unrestricted Use Soil Cleanup Objectives (UUSCOs) specified in 6 NYCRR Part 375-6, Remediation Program Soil Cleanup Objectives, and the General Fill Requirements specified in Table 2 of 6 NYCRR Part 360.13, Special Requirements for Pre-Determined Beneficial Use of Fill Material.

Analytical results from SB001 through SB010 did not yield concentrations of VOCs exceeding Fill Material Requirements with the exception of acetone in SB010_6-8. Acetone is a commonly used laboratory reagent and its presence in the sample collected from soil boring SB010 is likely due to laboratory interference and not related to subsurface impact at the subject property.

Benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, chrysene, and indeno(1,2,3-cd)pyrene were detected above their respective Fill Material Requirements in SB009_2-4.

Metals were not found exceeding Fill Material Requirements in the soil borings, with the exception of Cadmium in SB009_2-4 and Arsenic in SB010_6-8. Lead, Mercury, and Zinc were detected exceeding their respective UUSCOs in SB009_2-4 but were within Fill Material Requirements.

Pesticides (4,4'-DDD, 4,4'-DDE, 4,4'-DDT, and Dieldrin) were detected exceeding UUSCOs in eight of the ten soil borings (excluding SB002 and SB008) but were within General Fill Requirements.

PCBs and Chlorinated Herbicides were not detected at concentrations exceeding UUSCOs in samples collected from the soil borings.

4.3 Soil Sampling Discussion

The surface soil sample grids and soil borings are depicted and characterized in **Figures 3** and **4** as follows:

- Sample grids and soil borings where soils meet Unrestricted Use SCOs.
- Sample grids and soil borings where soils exceed Unrestricted Use SCOs but meet General Fill Requirements.
- Sample grids and soil borings where soils exceed General Fill Requirements.
- Sample grids and soil borings where soils exceed Restricted Use Fill Requirements.

General soil management requirements for each of these categories are detailed below. A color-coded map showing the layout of grids and disposal/reuse category is included as **Figure 3**.

4.3.1 Soils Meet Unrestricted Use SCOs

In sample grids where soils meet Part 375 Unrestricted Use SCOs, soils will not require special handling and may be reused onsite or disposed of offsite as clean fill material.

Surface soil Grid E and soil borings SB002 and SB008 meet Unrestricted SCOs and do not require any special handling.

4.3.2 Soils Meet General Fill Requirements

In sample grids where soils exceed Part 375 Unrestricted Use SCOs but meet Part 360 General Fill Requirements, soils may be reused or disposed of as follows:

- Soils may be reused in the same excavation or as fill material in other areas of the Site with similar physical characteristics in accordance with 6 NYCRR Part 360.13(c).
- Excess soils may be transferred off site for use as General Fill material at another project site in accordance with 6 NYCRR Part 360.13(f) and 6 NYCRR Part 360.13(g).
- Excess soils may be disposed of off-site at a properly permitted facility. Such soils may require additional sampling depending on the disposal facility's requirements.

Surface soil grids D, F, G, P, R, S, T, U, V, W, X, Y, Z, AA, and AB and soil borings SB001, SB003, SB004, SB005, SB006, and SB007 exceed Part 375 Unrestricted Use SCOs but meet Part 360 General Fill Requirements and should be handled as described above.

4.3.3 Soils Exceed General Fill Requirements

In sample grids where soils exceed Part 375 Unrestricted Use SCOs and Part 360 General Fill Requirements, soils may be reused or disposed of as follows:

- Soils may be reused in the same excavation or as fill material in other areas of the Site with similar physical characteristics provided the relocated fill material is covered with a permanent impervious surface and/or a minimum of 12 inches of soil or fill material that meets General Fill requirements in accordance with 6 NYCRR Part 360.13(c).
- Excess soils may be transferred off site for use as Restricted Fill material at another project site in accordance with 6 NYCRR Part 360.13(f) and 6 NYCRR Part 360.13(g). Restricted Fill material may only be beneficially reused offsite for engineered use for embankments or subgrade in transportation corridors,

or on sites where in-situ materials exceed Restricted-Use Fill or Limited-Use Fill criteria. Such material must be placed above the seasonal high-water table.

- Excess soils may be disposed of off-site at a properly permitted facility. Such soils may require additional sampling depending on the disposal facility's requirements.

Surface soil grids A, B, C, H, I, J, K, L, M, N, O, Q, AC, and AD and soil boring SB010 exceed Part 375 Unrestricted Use SCOs and Part 360 General Fill Requirements should be handled as described above.

4.3.4 Soils Exceed Restricted Fill Requirements

In sample grids where soils exceed Part 375 Unrestricted Use SCOs, Part 360 General Fill Requirements and Part 360 Restricted Use Fill requirements, soils may be reused or disposed of as follows:

- Soils exceeding Restricted Fill requirements may not be placed in Nassau or Suffolk counties and as such may not be beneficially reused on Long Island.
- Excess soils that meet Limited Use Fill requirements in Table 2 of 6 NYCRR Part 360 may be transferred off site for use as Limited Use Fill material at another project site in accordance with 6 NYCRR Part 360.13(f) and 6 NYCRR Part 360.13(g). Limited Use Fill material may only be beneficially reused offsite for engineered use under foundations and pavements above the seasonal high-water table. Such material may not be reused in Nassau or Suffolk counties.
- Excess soils that exceed Limited Use fill requirements or meet Limited use fill requirements but will not be beneficially reused off-site, must be disposed of off-site at a properly permitted facility. Such soils may require additional sampling depending on the disposal facility's requirements.

Soil boring SB009 exceeds Restricted Fill requirements and soil surrounding this boring may not be reused onsite. If disturbed during construction, soils from this area should be segregated and disposed of offsite.

5.0 CONCLUSIONS AND RECOMMENDATIONS

PWGC has performed a soil characterization in accordance with PWGC's Soil and Materials Management Plan. The scope of work for the soil characterization included surficial soil sampling to evaluate the historical agricultural use of the property, and sampling along the western property boundary to evaluate potential impact related to the adjacent Sky Materials Site.

5.1 Conclusions

Based on the results of the soil characterization, PWGC offers the following conclusions:

- Surficial soil sampling across the site identified shallow soils containing pesticide and/or metals impact exceeding UUSCOs in each sample grid except Grid E. Impact identified appears to be typical of former agricultural usage.
- Surficial impact generally appears to be limited to shallow soils (0 to 2 feet below grade). Based on the size of the site approximately 95,000 cubic yards of material is impacted with metals and/or pesticides typically associated with former agricultural usage above UUSCOs.
- Samples collected on the western property boundary exceeded UUSCOs for pesticides in eight of the ten soil borings. Fill material encountered in SB009 and SB010 contained SVOCs/metals exceeding Fill Material Requirements. SVOCs and certain metals (cadmium, lead, zinc) were not encountered in other samples collected onsite and may have originated from the adjacent Sky Materials Site.
- Based on soil sample results:
 - Surficial soils in Grid E can be reused without restrictions.
 - Surficial soils in remaining sample grids impacted with metals and/or pesticides typically associated with former agricultural usage may be reused onsite in accordance with 6 NYCRR Part 360.13.
 - Soils in the vicinity of soil boring SB009 should be properly disposed of offsite.
 - Soil disposal/reuse requirements are detailed in Section 4.3 and soil disposal/reuse categories are illustrated in Figures 3 and 4.

5.2 Recommendations

Based on the conclusions detailed above, PWGC offers the following recommendation for the subject property:



- Once construction activities for the proposed Calverton Industrial Park start, excavated soils should be appropriately handled following the guidelines detailed in Section 4.3.



6.0 REFERENCES

6 NYCRR Part 375 Environmental Remediation Programs Subparts 375-1 to 375-4 & 375-6.

6 NYCRR Part 360.13, Special Requirements for Pre-Determined Beneficial Use of Fill Material

DER-10 / Technical Guidance for Site Investigation and Remediation.

H2M – 4285 Middle Country Road, Calverton, NY – Phase I ESA Report, December 2019

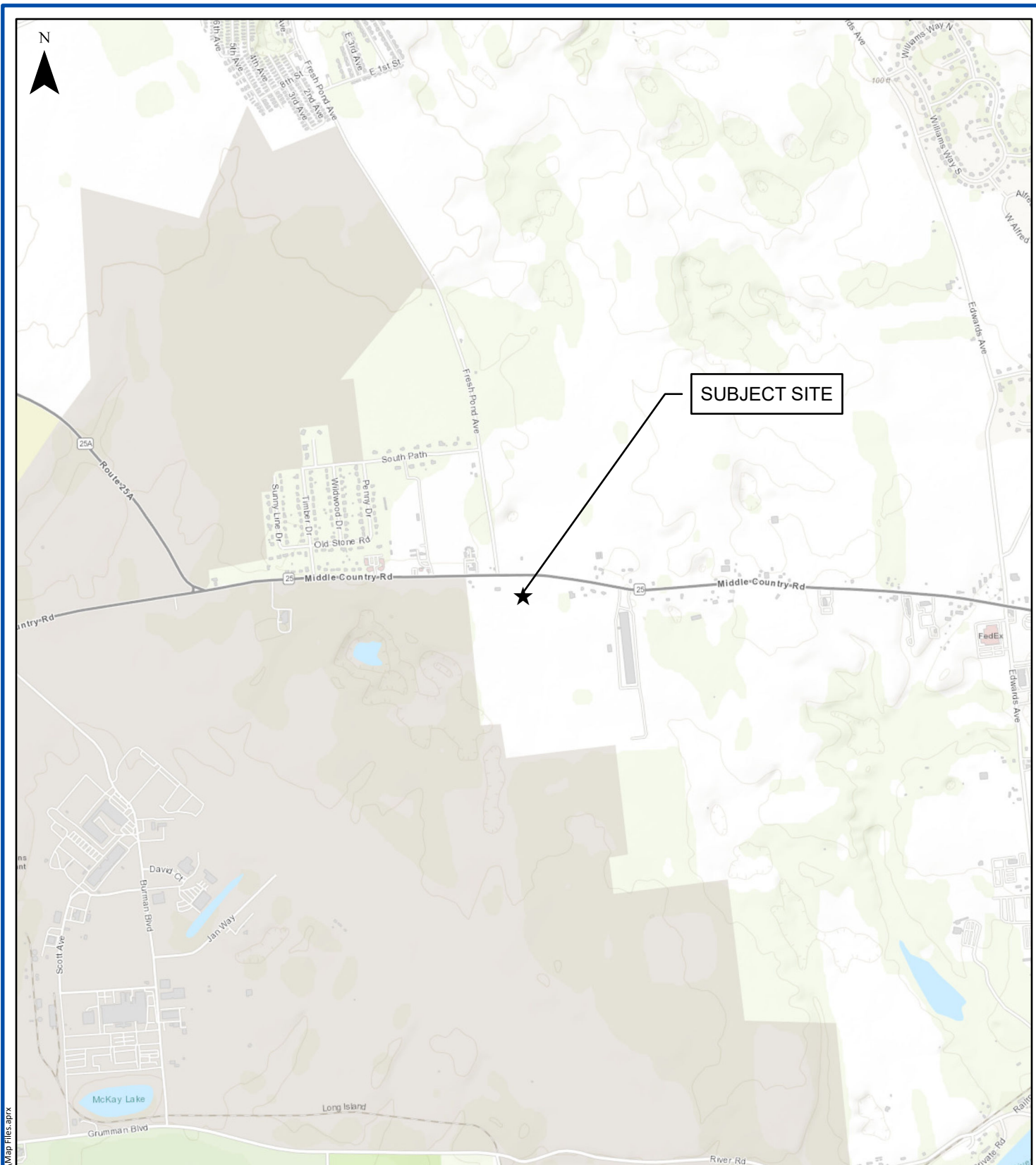
7.0 LIMITATIONS

The conclusions presented in this report are professional opinions based on the data described in this report. These opinions have been arrived at in accordance with currently accepted engineering and hydrogeologic standards and practices applicable to this location, and are subject to the following inherent limitations:

1. The data presented in this report are from visual inspections and examination of records prepared by others. The passage of time, manifestation of latent conditions, or occurrence of future events may require further exploration of the site, analysis of data, and re-evaluation of the findings, observations, and conclusions presented in this report.
2. The data reported and the findings, observations, and conclusions expressed are limited by the scope of work. The scope of work was defined by the request of the client.
3. No warranty or guarantee, whether expressed or implied, is made with respect to the data reported, findings, observations, or conclusions. These are based solely upon site conditions in existence at the time of the investigation, and other information obtained and reviewed by PWGC.
4. The conclusions presented in this report are professional opinions based on data described in this report. They are intended only for the purpose, site location, and project indicated. This report is not a definitive study of contamination at the site and should not be interpreted as such.
5. This report is based, in part, on information supplied to PWGC by third-party sources. While efforts have been made to substantiate this third-party information, PWGC cannot attest to the completeness or accuracy of information provided by others.

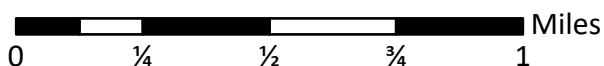


FIGURES



SITE LOCATION

4285 Middle Country Road
Calverton, NY



Project:	HKV2101
Date:	11/24/2021
Designed by:	MP
Drawn by:	OA
Approved by:	MP
Figure No:	1



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Site Plan

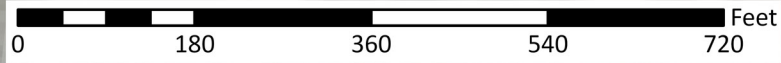
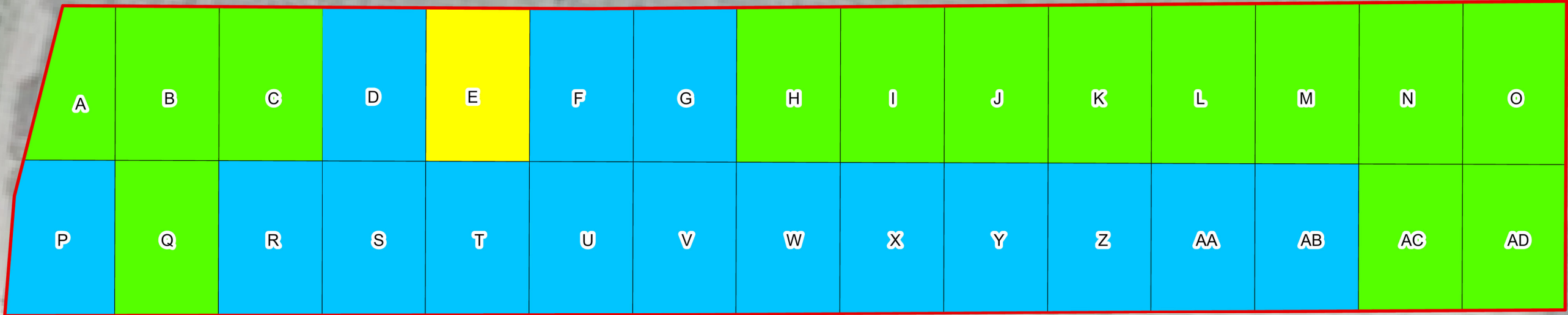
4285 Middle Country Road
Calverton, NY

FIGURE NO:

2



Middle Country Road



Imagery ©2020 Maxar Technologies, New York GIS, USDA Farm Service Agency, Map data ©2020 United States



Property Boundary

Criteria



Exceeds Gen Fill Req



Meets Gen Fill Req



Meets Unrestricted Use



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Soil Criteria

4285 Middle Country Road
Calverton, NY

FIGURE NO:

3



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Meets UUSCOs

Exceeds General
Fill Requirements

UNAUTHORIZED ALTERATION OR ADDITION TO THIS
DRAWING AND RELATED DOCUMENTS IS A VIOLATION
OF SEC. 7209 OF THE N.Y.S. EDUCATION LAW

DRAWING PREPARED FOR:

REVISION	DATE	INITIAL	COMMENTS

DRAWING INFORMATION:

Project:	HKV2101	Designed by:	TM
Date:	12/28/2021	Drawn by:	OA
Scale:	AS SHOWN	Approved by:	TM

SOIL BORING SAMPLE LOCATIONS

4285 Middle Country Road
Calverton, NY

FIGURE NO:

4

SB001_0-2 SB002_3-5 SB003_2-4 SB004_4-6 SB005_1-3 SB006_2-4 SB007_5-7 SB008_6-8 SB009_2-4 SB010_6-8

Meets General
Fill Requirements

Exceeds Restricted
Fill Requirements

Soil Boring Location

Property Boundary

0 180 360 540 720 Feet

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TABLES

Table 1
Soil Analytical for Volatile Organics
4285 Middle Country Rd,
Calverton, NY

Client Sample ID:	NYSDEC Protection of Ground water ⁽¹⁾	NYSDEC Soil Cleanup Objectives Residential Use ⁽²⁾	NYSDEC Soil Cleanup Objectives Unrestricted Use ⁽³⁾	SB001_0-2 L2155380-01 10/11/2021	SB002_3-5 L2155380-02 10/11/2021	SB003_2-4 L2155380-03 10/11/2021	SB004_4-6 L2155380-04 10/11/2021
Laboratory ID:							
Sampling Date:							
Volatile Organics by 8260/5035 in mg/kg							
1,1,1,2-Tetrachloroethane	NS	NS	NS	0.00047 U	0.00054 U	0.00045 U	0.00048 U
1,1,1-Trichloroethane	0.68	100	0.68	0.00047 U	0.00054 U	0.00045 U	0.00048 U
1,1,2,2-Tetrachloroethane	NS	NS	NS	0.00047 U	0.00054 U	0.00045 U	0.00048 U
1,1,2-Trichloroethane	NS	NS	NS	0.00094 U	0.0011 U	0.0009 U	0.00096 U
1,1-Dichloroethane	0.27	19	0.27	0.00094 U	0.0011 U	0.0009 U	0.00096 U
1,1-Dichloroethene	0.33	100	0.33	0.00094 U	0.0011 U	0.0009 U	0.00096 U
1,1-Dichloropropene	NS	NS	NS	0.00047 U	0.00054 U	0.00045 U	0.00048 U
1,2,3-Trichlorobenzene	NS	NS	NS	0.0019 U	0.0022 U	0.0018 U	0.0019 U
1,2,3-Trichloropropane	NS	NS	NS	0.0019 U	0.0022 U	0.0018 U	0.0019 U
1,2,4,5-Tetramethylbenzene	NS	NS	NS	0.0019 U	0.0022 U	0.0018 U	0.0019 U
1,2,4-Trichlorobenzene	NS	NS	NS	0.0019 U	0.0022 U	0.0018 U	0.0019 U
1,2,4-Trimethylbenzene	3.6	47	3.6	0.0019 U	0.0022 U	0.0018 U	0.0019 U
1,2-Dibromo-3-chloropropane	NS	NS	NS	0.0028 U	0.0032 U	0.0027 U	0.0029 U
1,2-Dibromoethane	NS	NS	NS	0.00094 U	0.0011 U	0.0009 U	0.00096 U
1,2-Dichlorobenzene	1.1	100.0	1.1	0.0019 U	0.0022 U	0.0018 U	0.0019 U
1,2-Dichloroethane	0.02	2.3	0.02	0.00094 U	0.0011 U	0.0009 U	0.00096 U
1,2-Dichloroethene, Total	NS	NS	NS	0.00094 U	0.0011 U	0.0009 U	0.00096 U
1,2-Dichloropropane	NS	NS	NS	0.00094 U	0.0011 U	0.0009 U	0.00096 U
1,3,5-Trimethylbenzene	8.4	47	8	0.0019 U	0.0022 U	0.0018 U	0.0019 U
1,3-Dichlorobenzene	2.4	17.0	2.4	0.0019 U	0.0022 U	0.0018 U	0.0019 U
1,3-Dichloropropane	NS	NS	NS	0.0019 U	0.0022 U	0.0018 U	0.0019 U
1,3-Dichloropropene, Total	NS	NS	NS	0.00047 U	0.00054 U	0.00045 U	0.00048 U
1,4-Dichlorobenzene	1.8	9.8	1.8	0.0019 U	0.0022 U	0.0018 U	0.0019 U
1,4-Dioxane	0.1	9.8	0.1	0.075 U	0.086 U	0.072 U	0.077 U
2,2-Dichloropropane	NS	NS	NS	0.0019 U	0.0022 U	0.0018 U	0.0019 U
2-Butanone	0.12	100	0.1	0.0094 U	0.011 U	0.009 U	0.0096 U
2-Hexanone	NS	NS	NS	0.0094 U	0.011 U	0.009 U	0.0096 U
4-Methyl-2-pentanone	NS	NS	NS	0.0094 U	0.011 U	0.009 U	0.0096 U
Acetone	0.05	100	0.05	0.0094 U	0.011 U	0.009 U	0.0096 U
Acrylonitrile	NS	NS	NS	0.0038 U	0.0043 U	0.0036 U	0.0038 U
Benzene	0.06	2.9	0.1	0.00047 U	0.00054 U	0.00045 U	0.00048 U
Bromobenzene	NS	NS	NS	0.0019 U	0.0022 U	0.0018 U	0.0019 U
Bromochloromethane	NS	NS	NS	0.0019 U	0.0022 U	0.0018 U	0.0019 U
Bromodichloromethane	NS	NS	NS	0.00047 U	0.00054 U	0.00045 U	0.00048 U
Bromoform	NS	NS	NS	0.0038 U	0.0043 U	0.0036 U	0.0038 U
Bromomethane	NS	NS	NS	0.0019 U	0.0022 U	0.0018 U	0.0019 U
Carbon disulfide	NS	NS	NS	0.0094 U	0.011 U	0.009 U	0.0096 U
Carbon tetrachloride	0.76	1.4	0.76	0.00094 U	0.0011 U	0.0009 U	0.00096 U
Chlorobenzene	1.1	100.0	1.1	0.00047 U	0.00054 U	0.00045 U	0.00048 U
Chloroethane	NS	NS	NS	0.0019 U	0.0022 U	0.0018 U	0.0019 U
Chloroform	0.37	10	0.4	0.0014 U	0.0016 U	0.0014 U	0.0014 U
Chloromethane	NS	NS	NS	0.0038 U	0.0043 U	0.0036 U	0.0038 U
cis-1,2-Dichloroethene	0.25	59	0.25	0.00094 U	0.0011 U	0.0009 U	0.00096 U
cis-1,3-Dichloropropene	NS	NS	NS	0.00047 U	0.00054 U	0.00045 U	0.00048 U
Dibromochloromethane	NS	NS	NS	0.00094 U	0.0011 U	0.0009 U	0.00096 U
Dibromomethane	NS	NS	NS	0.0019 U	0.0022 U	0.0018 U	0.0019 U
Dichlorodifluoromethane	NS	NS	NS	0.0094 U	0.011 U	0.009 U	0.0096 U
Ethyl ether	NS	NS	NS	0.0019 U	0.0022 U	0.0018 U	0.0019 U
Ethylbenzene	1	30	1	0.00094 U	0.0011 U	0.0009 U	0.00096 U
Hexachlorobutadiene	NS	NS	NS	0.0038 U	0.0043 U	0.0036 U	0.0038 U
Isopropylbenzene	NS	NS	NS	0.00094 U	0.0011 U	0.0009 U	0.00096 U
Methyl tert butyl ether	0.93	62	0.93	0.0019 U	0.0022 U	0.0018 U	0.0019 U
Methylene chloride	0.05	51	0.05	0.0047 U	0.0054 U	0.0045 U	0.0048 U
n-Butylbenzene	12	100	12	0.00094 U	0.0011 U	0.0009 U	0.00096 U
n-Propylbenzene	3.9	100	3.9	0.00094 U	0.0011 U	0.0009 U	0.00096 U
Naphthalene	12	100	12	0.0038 U	0.0043 U	0.0036 U	0.0038 U
o-Chlorotoluene	NS	NS	NS	0.0019 U	0.0022 U	0.0018 U	0.0019 U
o-Xylene	NS	NS	NS	0.00094 U	0.0011 U	0.0009 U	0.00096 U
p-Chlorotoluene	NS	NS	NS	0.0019 U	0.0022 U	0.0018 U	0.0019 U
p-Diethylbenzene	NS	NS	NS	0.0019 U	0.0022 U	0.0018 U	0.0019 U
p-Ethyltoluene	NS	NS	NS	0.0019 U	0.0022 U	0.0018 U	0.0019 U
p-Isopropyltoluene	NS	NS	NS	0.00094 U	0.0011 U	0.0009 U	0.00096 U
p/m-Xylene	NS	NS	NS	0.0019 U	0.0022 U	0.0018 U	0.0019 U
sec-Butylbenzene	11	100	11	0.00094 U	0.0011 U	0.0009 U	0.00096 U
Styrene	NS	NS	NS	0.00094 U	0.0011 U	0.0009 U	0.00096 U
tert-Butylbenzene	5.9	100	5.9	0.0019 U	0.0022 U	0.0018 U	0.0019 U
Tetrachloroethene	1.3	5.5	1.3	0.00047 U	0.00054 U	0.00045 U	0.00048 U
Toluene	0.7	100	0.7	0.00094 U	0.0011 U	0.0009 U	0.00096 U
trans-1,2-Dichloroethene	0.19	100	0.19	0.0014 U	0.0016 U	0.0014 U	0.0014 U
trans-1,3-Dichloropropene	NS	NS	NS	0.00094 U	0.0011 U	0.0009 U	0.00096 U
trans-1,4-Dichloro-2-butene	NS	NS	NS	0.0047 U	0.0054 U	0.0045 U	0.0048 U
Trichloroethene	0.47	10	0.47	0.00047 U	0.00054 U	0.00045 U	0.00048 U
Trichlorofluoromethane	NS	NS	NS	0.0038 U	0.0043 U	0.0036 U	0.0038 U
Vinyl acetate	NS	NS	NS	0.0094 U	0.011 U	0.009 U	0.0096 U
Vinyl chloride	0.02	0.21	0.02	0.00094 U	0.0011 U	0.0009 U	0.00096 U
Xylenes, Total	1.6	100	0.26	0.00094 U	0.0011 U	0.0009 U	0.00096 U
Total VOCs				0	0	0	0

Notes:

- (1) New York NYCRR Part 375 Groundwater Criteria, New York Restricted use Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, 12/06.
 (2) New York NYCRR Part 375 Residential Criteria, New York Restricted use Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, 12/06.
 (3) NYSDEC 6 NYCRR Environmental Remediation Programs Part 375 Unrestricted Use of Soil Cleanup Objective Table 375-6.8a 12/06
 NS - No Standard

I - The lower value for the two columns has been reported due to obvious interference.
 P- The RPD between the results for the two columns exceeds the method-specified criteria.
 U - The analyte was analyzed for, but was not detected above the reported sample quantification limit.

J - The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

Highlighted text denotes concentrations exceeding NYSDEC Protection of Groundwater Use SCO

Highlighted text denotes concentrations exceeding NYSDEC Residential Use SCO

Highlighted text denotes concentrations exceeding NYSDEC Unrestricted Use SCO

Table 1
Soil Analytical for Volatile Organics
4285 Middle Country Rd,
Calverton, NY

Client Sample ID:	NYSDEC Protection of Ground water ⁽¹⁾	NYSDEC Soil Cleanup Objectives Residential Use ⁽²⁾	NYSDEC Soil Cleanup Objectives Unrestricted Use ⁽³⁾	SB005_1-3 L2155380-05 10/11/2021	SB006_2-4 L2155380-06 10/11/2021	SB007_5-7 L2155380-07 10/11/2021	SB008_6-8 L2155380-08 10/11/2021
Laboratory ID:							
Sampling Date:							
Volatile Organics by 8260/5035 in mg/kg							
1,1,1,2-Tetrachloroethane	NS	NS	NS	0.00053 U	0.00045 U	0.00052 U	0.00048 U
1,1,1-Trichloroethane	0.68	100	0.68	0.00053 U	0.00045 U	0.00052 U	0.00048 U
1,1,2,2-Tetrachloroethane	NS	NS	NS	0.00053 U	0.00045 U	0.00052 U	0.00048 U
1,1,2-Trichloroethane	NS	NS	NS	0.0011 U	0.0009 U	0.001 U	0.00095 U
1,1-Dichloroethane	0.27	19	0.27	0.0011 U	0.0009 U	0.001 U	0.00095 U
1,1-Dichloroethene	0.33	100	0.33	0.0011 U	0.0009 U	0.001 U	0.00095 U
1,1-Dichloropropene	NS	NS	NS	0.00053 U	0.00045 U	0.00052 U	0.00048 U
1,2,3-Trichlorobenzene	NS	NS	NS	0.0021 U	0.0018 U	0.0021 U	0.0019 U
1,2,3-Trichloropropane	NS	NS	NS	0.0021 U	0.0018 U	0.0021 U	0.0019 U
1,2,4,5-Tetramethylbenzene	NS	NS	NS	0.0021 U	0.0018 U	0.0021 U	0.0019 U
1,2,4-Trichlorobenzene	NS	NS	NS	0.0021 U	0.0018 U	0.0021 U	0.0019 U
1,2,4-Trimethylbenzene	3.6	47	3.6	0.0021 U	0.0018 U	0.0021 U	0.0019 U
1,2-Dibromo-3-chloropropane	NS	NS	NS	0.0032 U	0.0027 U	0.0031 U	0.0029 U
1,2-Dibromoethane	NS	NS	NS	0.0011 U	0.0009 U	0.001 U	0.00095 U
1,2-Dichlorobenzene	1.1	100.0	1.1	0.0021 U	0.0018 U	0.0021 U	0.0019 U
1,2-Dichloroethane	0.02	2.3	0.02	0.0011 U	0.0009 U	0.001 U	0.00095 U
1,2-Dichloroethene, Total	NS	NS	NS	0.0011 U	0.0009 U	0.001 U	0.00095 U
1,2-Dichloropropane	NS	NS	NS	0.0011 U	0.0009 U	0.001 U	0.00095 U
1,3,5-Trimethylbenzene	8.4	47	8	0.0021 U	0.0018 U	0.0021 U	0.0019 U
1,3-Dichlorobenzene	2.4	17.0	2.4	0.0021 U	0.0018 U	0.0021 U	0.0019 U
1,3-Dichloropropane	NS	NS	NS	0.0021 U	0.0018 U	0.0021 U	0.0019 U
1,3-Dichloropropene, Total	NS	NS	NS	0.00053 U	0.00045 U	0.00052 U	0.00048 U
1,4-Dichlorobenzene	1.8	9.8	1.8	0.0021 U	0.0018 U	0.0021 U	0.0019 U
1,4-Dioxane	0.1	9.8	0.1	0.085 U	0.072 U	0.084 U	0.076 U
2,2-Dichloropropane	NS	NS	NS	0.0021 U	0.0018 U	0.0021 U	0.0019 U
2-Butanone	0.12	100	0.1	0.011 U	0.009 U	0.01 U	0.0095 U
2-Hexanone	NS	NS	NS	0.011 U	0.009 U	0.01 U	0.0095 U
4-Methyl-2-pentanone	NS	NS	NS	0.011 U	0.009 U	0.01 U	0.0095 U
Acetone	0.05	100	0.05	0.0073 J	0.009 U	0.0051 J	0.0095 U
Acrylonitrile	NS	NS	NS	0.0043 U	0.0036 U	0.0042 U	0.0038 U
Benzene	0.06	2.9	0.1	0.00053 U	0.00045 U	0.00052 U	0.00048 U
Bromobenzene	NS	NS	NS	0.0021 U	0.0018 U	0.0021 U	0.0019 U
Bromochloromethane	NS	NS	NS	0.0021 U	0.0018 U	0.0021 U	0.0019 U
Bromodichloromethane	NS	NS	NS	0.00053 U	0.00045 U	0.00052 U	0.00048 U
Bromoform	NS	NS	NS	0.0043 U	0.0036 U	0.0042 U	0.0038 U
Bromomethane	NS	NS	NS	0.0021 U	0.0018 U	0.0021 U	0.0019 U
Carbon disulfide	NS	NS	NS	0.011 U	0.009 U	0.01 U	0.0095 U
Carbon tetrachloride	0.76	1.4	0.76	0.0011 U	0.0009 U	0.001 U	0.00095 U
Chlorobenzene	1.1	100.0	1.1	0.00053 U	0.00045 U	0.00052 U	0.00048 U
Chloroethane	NS	NS	NS	0.0021 U	0.0018 U	0.0021 U	0.0019 U
Chloroform	0.37	10	0.4	0.0016 U	0.0013 U	0.0016 U	0.0014 U
Chloromethane	NS	NS	NS	0.0043 U	0.0036 U	0.0042 U	0.0038 U
cis-1,2-Dichloroethene	0.25	59	0.25	0.0011 U	0.0009 U	0.001 U	0.00095 U
cis-1,3-Dichloropropene	NS	NS	NS	0.00053 U	0.00045 U	0.00052 U	0.00048 U
Dibromochloromethane	NS	NS	NS	0.0011 U	0.0009 U	0.001 U	0.00095 U
Dibromomethane	NS	NS	NS	0.0021 U	0.0018 U	0.0021 U	0.0019 U
Dichlorodifluoromethane	NS	NS	NS	0.011 U	0.009 U	0.01 U	0.0095 U
Ethyl ether	NS	NS	NS	0.0021 U	0.0018 U	0.0021 U	0.0019 U
Ethylbenzene	1	30	1	0.0011 U	0.0009 U	0.001 U	0.00095 U
Hexachlorobutadiene	NS	NS	NS	0.0043 U	0.0036 U	0.0042 U	0.0038 U
Isopropylbenzene	NS	NS	NS	0.0011 U	0.0009 U	0.001 U	0.00095 U
Methyl tert butyl ether	0.93	62	0.93	0.0021 U	0.0018 U	0.0021 U	0.0019 U
Methylene chloride	0.05	51	0.05	0.0053 U	0.0045 U	0.0052 U	0.0048 U
n-Butylbenzene	12	100	12	0.0011 U	0.0009 U	0.001 U	0.00095 U
n-Propylbenzene	3.9	100	3.9	0.0011 U	0.0009 U	0.001 U	0.00095 U
Naphthalene	12	100	12	0.0043 U	0.0036 U	0.0042 U	0.0038 U
o-Chlorotoluene	NS	NS	NS	0.0021 U	0.0018 U	0.0021 U	0.0019 U
o-Xylene	NS	NS	NS	0.0011 U	0.0009 U	0.001 U	0.00095 U
p-Chlorotoluene	NS	NS	NS	0.0021 U	0.0018 U	0.0021 U	0.0019 U
p-Diethylbenzene	NS	NS	NS	0.0021 U	0.0018 U	0.0021 U	0.0019 U
p-Ethyltoluene	NS	NS	NS	0.0021 U	0.0018 U	0.0021 U	0.0019 U
p-Isopropyltoluene	NS	NS	NS	0.0011 U	0.0009 U	0.001 U	0.00095 U
p/m-Xylene	NS	NS	NS	0.0021 U	0.0018 U	0.0021 U	0.0019 U
sec-Butylbenzene	11	100	11	0.0011 U	0.0009 U	0.001 U	0.00095 U
Styrene	NS	NS	NS	0.0011 U	0.0009 U	0.001 U	0.00095 U
tert-Butylbenzene	5.9	100	5.9	0.0021 U	0.0018 U	0.0021 U	0.0019 U
Tetrachloroethene	1.3	5.5	1.3	0.00053 U	0.00045 U	0.00052 U	0.00048 U
Toluene	0.7	100	0.7	0.0011 U	0.0009 U	0.001 U	0.00095 U
trans-1,2-Dichloroethene	0.19	100	0.19	0.0016 U	0.0013 U	0.0016 U	0.0014 U
trans-1,3-Dichloropropene	NS	NS	NS	0.0011 U	0.0009 U	0.001 U	0.00095 U
trans-1,4-Dichloro-2-butene	NS	NS	NS	0.0053 U	0.0045 U	0.0052 U	0.0048 U
Trichloroethene	0.47	10	0.47	0.00053 U	0.00045 U	0.00052 U	0.00048 U
Trichlorofluoromethane	NS	NS	NS	0.0043 U	0.0036 U	0.0042 U	0.0038 U
Vinyl acetate	NS	NS	NS	0.011 U	0.009 U	0.01 U	0.0095 U
Vinyl chloride	0.02	0.21	0.02	0.0011 U	0.0009 U	0.001 U	0.00095 U
Xylenes, Total	1.6	100	0.26	0.0011 U	0.0009 U	0.001 U	0.00095 U
Total VOCs				0.0073	0	0.0051	0

Notes:

- (1) New York NYCRR Part 375 Groundwater Criteria, New York Restricted use Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, 12/06.
 (2) New York NYCRR Part 375 Residential Criteria, New York Restricted use Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, 12/06.
 (3) NYSDDEC 6 NYCRR Environmental Remediation Programs Part 375 Unrestricted Use of Soil Cleanup Objective Table 375-6.8a 12/06
 NS - No Standard

I - The lower value for the two columns has been reported due to obvious interference.
 P- The RPD between the results for the two columns exceeds the method-specified criteria.
 U - The analyte was analyzed for, but was not detected above the reported sample quantification limit.

J - The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

Highlighted text denotes concentrations exceeding NYSDDEC Protection of Groundwater Use SCO

Highlighted text denotes concentrations exceeding NYSDDEC Residential Use SCO

Highlighted text denotes concentrations exceeding NYSDDEC Unrestricted Use SCO

Table 1
Soil Analytical for Volatile Organics
4285 Middle Country Rd,
Calverton, NY

Client Sample ID:	NYSDEC Protection of Ground water ⁽¹⁾	NYSDEC Soil Cleanup Objectives Residential Use ⁽²⁾	NYSDEC Soil Cleanup Objectives Unrestricted Use ⁽³⁾	SB009_2-4 L2155380-09 10/11/2021	SB010_6-8 L2155380-10 10/11/2021	GRID A_0-2 L2155998-01 10/13/2021	GRID A_18-24 L2155998-02 10/13/2021
Laboratory ID:							
Sampling Date:							
Volatile Organics by 8260/5035 in mg/kg							
1,1,1,2-Tetrachloroethane	NS	NS	NS	0.00045 U	0.00045 U	0.00068 U	0.001 U
1,1,1-Trichloroethane	0.68	100	0.68	0.00045 U	0.00045 U	0.00068 U	0.001 U
1,1,2,2-Tetrachloroethane	NS	NS	NS	0.00045 U	0.00045 U	0.00068 U	0.001 U
1,1,2-Trichloroethane	NS	NS	NS	0.0009 U	0.0009 U	0.0014 U	0.0016 U
1,1-Dichloroethane	0.27	19	0.27	0.0009 U	0.0009 U	0.0014 U	0.0016 U
1,1-Dichloroethene	0.33	100	0.33	0.0009 U	0.0009 U	0.0014 U	0.001 U
1,1-Dichloropropene	NS	NS	NS	0.00045 U	0.00045 U	0.00068 U	0.0052 U
1,2,3-Trichlorobenzene	NS	NS	NS	0.0018 U	0.0018 U	0.0027 U	0.0052 U
1,2,3-Trichloropropane	NS	NS	NS	0.0018 U	0.0018 U	0.0027 U	0.01 U
1,2,4,5-Tetramethylbenzene	NS	NS	NS	0.0018 U	0.0018 U	0.0027 U	0.0042 U
1,2,4-Trichlorobenzene	NS	NS	NS	0.0018 U	0.0018 U	0.0027 U	0.0052 U
1,2,4-Trimethylbenzene	3.6	47	3.6	0.0018 U	0.0018 U	0.0027 U	0.0052 U
1,2-Dibromo-3-chloropropane	NS	NS	NS	0.0027 U	0.0027 U	0.0041 U	0.0052 U
1,2-Dibromoethane	NS	NS	NS	0.0009 U	0.0009 U	0.0014 U	0.0042 U
1,2-Dichlorobenzene	1.1	100.0	1.1	0.0018 U	0.0018 U	0.0027 U	0.0052 U
1,2-Dichloroethane	0.02	2.3	0.02	0.0009 U	0.0009 U	0.0014 U	0.001 U
1,2-Dichloroethene, Total	NS	NS	NS	0.0009 U	0.0009 U	0.0014 U	0.001 U
1,2-Dichloropropane	NS	NS	NS	0.0009 U	0.0009 U	0.0014 U	0.0037 U
1,3,5-Trimethylbenzene	8.4	47	8	0.0018 U	0.0018 U	0.0027 U	0.0052 U
1,3-Dichlorobenzene	2.4	17.0	2.4	0.0018 U	0.0018 U	0.0027 U	0.0052 U
1,3-Dichloropropane	NS	NS	NS	0.0018 U	0.0018 U	0.0027 U	0.0052 U
1,3-Dichloropropene, Total	NS	NS	NS	0.00045 U	0.00045 U	0.00068 U	0.001 U
1,4-Dichlorobenzene	1.8	9.8	1.8	0.0018 U	0.0018 U	0.0027 U	0.0052 U
1,4-Dioxane	0.1	9.8	0.1	0.072 U	0.072 U	0.11 U	0.042 U
2,2-Dichloropropane	NS	NS	NS	0.0018 U	0.0018 U	0.0027 U	0.0052 U
2-Butanone	0.12	100	0.1	0.009 U	0.029 U	0.014 U	0.01 U
2-Hexanone	NS	NS	NS	0.009 U	0.009 U	0.014 U	0.01 U
4-Methyl-2-pentanone	NS	NS	NS	0.009 U	0.009 U	0.014 U	0.01 U
Acetone	0.05	100	0.05	0.009 U	0.21	0.014 U	0.01 U
Acrylonitrile	NS	NS	NS	0.0036 U	0.0036 U	0.0054 U	0.01 U
Benzene	0.06	2.9	0.1	0.00016 J	0.0003 J	0.00068 U	0.001 U
Bromobenzene	NS	NS	NS	0.0018 U	0.0018 U	0.0027 U	0.0052 U
Bromochloromethane	NS	NS	NS	0.0018 U	0.0018 U	0.0027 U	0.0052 U
Bromodichloromethane	NS	NS	NS	0.00045 U	0.00045 U	0.00068 U	0.001 U
Bromoform	NS	NS	NS	0.0036 U	0.0036 U	0.0054 U	0.0042 U
Bromomethane	NS	NS	NS	0.0018 U	0.0018 U	0.0027 U	0.0021 U
Carbon disulfide	NS	NS	NS	0.009 U	0.009 U	0.014 U	0.01 U
Carbon tetrachloride	0.76	1.4	0.76	0.0009 U	0.0009 U	0.0014 U	0.001 U
Chlorobenzene	1.1	100.0	1.1	0.00045 U	0.00045 U	0.00068 U	0.001 U
Chloroethane	NS	NS	NS	0.0018 U	0.0018 U	0.0027 U	0.0021 U
Chloroform	0.37	10	0.4	0.0014 U	0.0014 U	0.002 U	0.0016 U
Chloromethane	NS	NS	NS	0.0036 U	0.0036 U	0.0054 U	0.0052 U
cis-1,2-Dichloroethene	0.25	59	0.25	0.0009 U	0.0009 U	0.0014 U	0.001 U
cis-1,3-Dichloropropene	NS	NS	NS	0.00045 U	0.00045 U	0.00068 U	0.001 U
Dibromochloromethane	NS	NS	NS	0.0009 U	0.0009 U	0.0014 U	0.001 U
Dibromomethane	NS	NS	NS	0.0018 U	0.0018 U	0.0027 U	0.01 U
Dichlorodifluoromethane	NS	NS	NS	0.009 U	0.009 U	0.014 U	0.01 U
Ethyl ether	NS	NS	NS	0.0018 U	0.0018 U	0.0027 U	0.0052 U
Ethylbenzene	1	30	1	0.0009 U	0.0009 U	0.0014 U	0.001 U
Hexachlorobutadiene	NS	NS	NS	0.0036 U	0.0036 U	0.0054 U	0.0052 U
Isopropylbenzene	NS	NS	NS	0.0009 U	0.0009 U	0.0014 U	0.001 U
Methyl tert butyl ether	0.93	62	0.93	0.0018 U	0.0018 U	0.0027 U	0.0021 U
Methylene chloride	0.05	51	0.05	0.0045 U	0.0045 U	0.0068 U	0.01 U
n-Butylbenzene	12	100	12	0.0009 U	0.0009 U	0.0014 U	0.001 U
n-Propylbenzene	3.9	100	3.9	0.0009 U	0.0009 U	0.0014 U	0.001 U
Naphthalene	12	100	12	0.0052 U	0.0036 U	0.0054 U	0.0052 U
p-Chlorotoluene	NS	NS	NS	0.0018 U	0.0018 U	0.0027 U	0.0052 U
p-Xylene	NS	NS	NS	0.0009 U	0.0009 U	0.0014 U	0.0021 U
p-Chlorotoluene	NS	NS	NS	0.0018 U	0.0018 U	0.0027 U	0.0052 U
p-Diethylbenzene	NS	NS	NS	0.0018 U	0.0018 U	0.0027 U	0.0042 U
p-Ethyltoluene	NS	NS	NS	0.0018 U	0.0018 U	0.0027 U	0.0042 U
p-Isopropyltoluene	NS	NS	NS	0.0009 U	0.0009 U	0.0014 U	0.001 U
p/m-Xylene	NS	NS	NS	0.0018 U	0.0018 U	0.0027 U	0.0021 U
sec-Butylbenzene	11	100	11	0.0009 U	0.0009 U	0.0014 U	0.001 U
Styrene	NS	NS	NS	0.0009 U	0.0009 U	0.0014 U	0.0021 U
tert-Butylbenzene	5.9	100	5.9	0.0018 U	0.0018 U	0.0027 U	0.0052 U
Tetrachloroethene	1.3	5.5	1.3	0.0018 U	0.00045 U	0.00068 U	0.001 U
Toluene	0.7	100	0.7	0.0009 U	0.0009 U	0.0014 U	0.0016 U
trans-1,2-Dichloroethene	0.19	100	0.19	0.0014 U	0.0014 U	0.002 U	0.0016 U
trans-1,3-Dichloropropene	NS	NS	NS	0.0009 U	0.0009 U	0.0014 U	0.001 U
trans-1,4-Dichloro-2-butene	NS	NS	NS	0.0045 U	0.0045 U	0.0068 U	0.0052 U
Trichloroethene	0.47	10	0.47	0.00045 U	0.00045 U	0.00068 U	0.001 U
Trichlorofluoromethane	NS	NS	NS	0.0036 U	0.0036 U	0.0054 U	0.0052 U
Vinyl acetate	NS	NS	NS	0.009 U	0.009 U	0.014 U	0.01 U
Vinyl chloride	0.02	0.21	0.02	0.0009 U	0.0009 U	0.0014 U	0.0021 U
Xylenes, Total	1.6	100	0.26	0.0009 U	0.0009 U	0.0014 U	0.0021 U
Total VOCs				0.01116	0.2393	0	0

Notes:

- (1) New York NYCRR Part 375 Groundwater Criteria, New York Restricted use Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, 12/06.
(2) New York NYCRR Part 375 Residential Criteria, New York Restricted use Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, 12/06.
(3) NYSDEC 6 NYCRR Environmental Remediation Programs Part 375 Unrestricted Use of Soil Cleanup Objective Table 375-6.8a 12/06
NS - No Standard

I - The lower value for the two columns has been reported due to obvious interference.
P- The RPD between the results for the two columns exceeds the method-specified criteria.
U - The analyte was analyzed for, but was not detected above the reported sample quantification limit.

J - The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

Highlighted text denotes concentrations exceeding NYSDEC Protection of Groundwater Use SCO

Highlighted text denotes concentrations exceeding NYSDEC Residential Use SCO

Highlighted text denotes concentrations exceeding NYSDEC Unrestricted Use SCO

Table 1
Soil Analytical for Volatile Organics
4285 Middle Country Rd,
Calverton, NY

Client Sample ID:	NYSDEC Protection of Ground water ⁽¹⁾	NYSDEC Soil Cleanup Objectives Residential Use ⁽²⁾	NYSDEC Soil Cleanup Objectives Unrestricted Use ⁽³⁾	GRID F_0-2 L2156337-03 10/14/2021	GRID L_0-2 L2156730-09 10/15/2021	GRID R_0-2 L2155998-13 10/13/2021	GRID X_0-2 L2156337-21 10/14/2021
Laboratory ID:							
Sampling Date:							
Volatile Organics by 8260/5035 in mg/kg							
1,1,1,2-Tetrachloroethane	NS	NS	NS	0.00055 U	0.00068 U	0.0006 U	0.00056 U
1,1,1-Trichloroethane	0.68	100	0.68	0.00055 U	0.00068 U	0.0006 U	0.00056 U
1,1,2,2-Tetrachloroethane	NS	NS	NS	0.00055 U	0.00068 U	0.0006 U	0.00056 U
1,1,2-Trichloroethane	NS	NS	NS	0.0011 U	0.0014 U	0.0012 U	0.0011 U
1,1-Dichloroethane	0.27	19	0.27	0.0011 U	0.0014 U	0.0012 U	0.0011 U
1,1-Dichloroethene	0.33	100	0.33	0.0011 U	0.0014 U	0.0012 U	0.0011 U
1,1-Dichloropropene	NS	NS	NS	0.00055 U	0.00068 U	0.0006 U	0.00056 U
1,2,3-Trichlorobenzene	NS	NS	NS	0.0022 U	0.0027 U	0.0024 U	0.0022 U
1,2,3-Trichloropropane	NS	NS	NS	0.0022 U	0.0027 U	0.0024 U	0.0022 U
1,2,4,5-Tetramethylbenzene	NS	NS	NS	0.0022 U	0.0027 U	0.0024 U	0.0022 U
1,2,4-Trichlorobenzene	NS	NS	NS	0.0022 U	0.0027 U	0.0024 U	0.0022 U
1,2,4-Trimethylbenzene	3.6	47	3.6	0.0022 U	0.0027 U	0.0024 U	0.0022 U
1,2-Dibromo-3-chloropropane	NS	NS	NS	0.0033 U	0.0041 U	0.0036 U	0.0034 U
1,2-Dibromoethane	NS	NS	NS	0.0011 U	0.0014 U	0.0012 U	0.0011 U
1,2-Dichlorobenzene	1.1	100.0	1.1	0.0022 U	0.0027 U	0.0024 U	0.0022 U
1,2-Dichloroethane	0.02	2.3	0.02	0.0011 U	0.0014 U	0.0012 U	0.0011 U
1,2-Dichloroethene, Total	NS	NS	NS	0.0011 U	0.0014 U	0.0012 U	0.0011 U
1,2-Dichloropropane	NS	NS	NS	0.0011 U	0.0014 U	0.0012 U	0.0011 U
1,3,5-Trimethylbenzene	8.4	47	8	0.0022 U	0.0027 U	0.0024 U	0.0022 U
1,3-Dichlorobenzene	2.4	17.0	2.4	0.0022 U	0.0027 U	0.0024 U	0.0022 U
1,3-Dichloropropane	NS	NS	NS	0.0022 U	0.0027 U	0.0024 U	0.0022 U
1,3-Dichloropropene, Total	NS	NS	NS	0.00055 U	0.00068 U	0.0006 U	0.00056 U
1,4-Dichlorobenzene	1.8	9.8	1.8	0.0022 U	0.0027 U	0.0024 U	0.0022 U
1,4-Dioxane	0.1	9.8	0.1	0.088 U	0.11 U	0.096 U	0.09 U
2,2-Dichloropropane	NS	NS	NS	0.0022 U	0.0027 U	0.0024 U	0.0022 U
2-Butanone	0.12	100	0.1	0.011 U	0.014 U	0.012 U	0.011 U
2-Hexanone	NS	NS	NS	0.011 U	0.014 U	0.012 U	0.011 U
4-Methyl-2-pentanone	NS	NS	NS	0.011 U	0.014 U	0.012 U	0.011 U
Acetone	0.05	100	0.05	0.011 U	0.014 U	0.012 U	0.011 U
Acrylonitrile	NS	NS	NS	0.0044 U	0.0054 U	0.0048 U	0.0045 U
Benzene	0.06	2.9	0.1	0.00055 U	0.00068 U	0.0006 U	0.00056 U
Bromobenzene	NS	NS	NS	0.0022 U	0.0027 U	0.0024 U	0.0022 U
Bromochloromethane	NS	NS	NS	0.0022 U	0.0027 U	0.0024 U	0.0022 U
Bromodichloromethane	NS	NS	NS	0.00055 U	0.00068 U	0.0006 U	0.00056 U
Bromoform	NS	NS	NS	0.0044 U	0.0054 U	0.0048 U	0.0045 U
Bromomethane	NS	NS	NS	0.0022 U	0.0027 U	0.0024 U	0.0022 U
Carbon disulfide	NS	NS	NS	0.011 U	0.014 U	0.012 U	0.011 U
Carbon tetrachloride	0.76	1.4	0.76	0.0011 U	0.0014 U	0.0012 U	0.0011 U
Chlorobenzene	1.1	100.0	1.1	0.00055 U	0.00068 U	0.0006 U	0.00056 U
Chloroethane	NS	NS	NS	0.0022 U	0.0027 U	0.0024 U	0.0022 U
Chloroform	0.37	10	0.4	0.0016 U	0.002 U	0.0018 U	0.0017 U
Chloromethane	NS	NS	NS	0.0044 U	0.0054 U	0.0048 U	0.0045 U
cis-1,2-Dichloroethene	0.25	59	0.25	0.0011 U	0.0014 U	0.0012 U	0.0011 U
cis-1,3-Dichloropropene	NS	NS	NS	0.00055 U	0.00068 U	0.0006 U	0.00056 U
Dibromochloromethane	NS	NS	NS	0.0011 U	0.0014 U	0.0012 U	0.0011 U
Dibromomethane	NS	NS	NS	0.0022 U	0.0027 U	0.0024 U	0.0022 U
Dichlorodifluoromethane	NS	NS	NS	0.011 U	0.014 U	0.012 U	0.011 U
Ethyl ether	NS	NS	NS	0.0022 U	0.0027 U	0.0024 U	0.0022 U
Ethylbenzene	1	30	1	0.0011 U	0.0014 U	0.0012 U	0.0011 U
Hexachlorobutadiene	NS	NS	NS	0.0044 U	0.0054 U	0.0048 U	0.0045 U
Isopropylbenzene	NS	NS	NS	0.0011 U	0.0014 U	0.0012 U	0.0011 U
Methyl tert butyl ether	0.93	62	0.93	0.0022 U	0.0027 U	0.0024 U	0.0022 U
Methylene chloride	0.05	51	0.05	0.0055 U	0.0068 U	0.006 U	0.0056 U
n-Butylbenzene	12	100	12	0.0011 U	0.0014 U	0.0012 U	0.0011 U
n-Propylbenzene	3.9	100	3.9	0.0011 U	0.0014 U	0.0012 U	0.0011 U
Naphthalene	12	100	12	0.0044 U	0.0054 U	0.0048 U	0.0045 U
p-Chlorotoluene	NS	NS	NS	0.0022 U	0.0027 U	0.0024 U	0.0022 U
p-Xylene	NS	NS	NS	0.0011 U	0.0014 U	0.0012 U	0.0011 U
p-Chlorotoluene	NS	NS	NS	0.0022 U	0.0027 U	0.0024 U	0.0022 U
p-Diethylbenzene	NS	NS	NS	0.0022 U	0.0027 U	0.0024 U	0.0022 U
p-Ethyltoluene	NS	NS	NS	0.0022 U	0.0027 U	0.0024 U	0.0022 U
p-Isopropyltoluene	NS	NS	NS	0.0011 U	0.0014 U	0.0012 U	0.0011 U
p/m-Xylene	NS	NS	NS	0.0022 U	0.0027 U	0.0024 U	0.0022 U
sec-Butylbenzene	11	100	11	0.0011 U	0.0014 U	0.0012 U	0.0011 U
Styrene	NS	NS	NS	0.0011 U	0.0014 U	0.0012 U	0.0011 U
tert-Butylbenzene	5.9	100	5.9	0.0022 U	0.0027 U	0.0024 U	0.0022 U
Tetrachloroethene	1.3	5.5	1.3	0.00055 U	0.00068 U	0.0006 U	0.00056 U
Toluene	0.7	100	0.7	0.0011 U	0.0014 U	0.0012 U	0.0011 U
trans-1,2-Dichloroethene	0.19	100	0.19	0.0016 U	0.002 U	0.0018 U	0.0017 U
trans-1,3-Dichloropropene	NS	NS	NS	0.0011 U	0.0014 U	0.0012 U	0.0011 U
trans-1,4-Dichloro-2-butene	NS	NS	NS	0.0055 U	0.0068 U	0.006 U	0.0056 U
Trichloroethene	0.47	10	0.47	0.00055 U	0.00068 U	0.0006 U	0.00056 U
Trichlorofluoromethane	NS	NS	NS	0.0044 U	0.0054 U	0.0048 U	0.0045 U
Vinyl acetate	NS	NS	NS	0.011 U	0.014 U	0.012 U	0.011 U
Vinyl chloride	0.02	0.21	0.02	0.0011 U	0.0014 U	0.0012 U	0.0011 U
Xylenes, Total	1.6	100	0.26	0.0011 U	0.0014 U	0.0012 U	0.0011 U
Total VOCs				0	0	0	0

Notes:

- (1) New York NYCRR Part 375 Groundwater Criteria, New York Restricted use Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, 12/06.
 (2) New York NYCRR Part 375 Residential Criteria, New York Restricted use Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, 12/06.
 (3) NYSDEC 6 NYCRR Environmental Remediation Programs Part 375 Unrestricted Use of Soil Cleanup Objective Table 375-6.8a 12/06
 NS - No Standard
 I - The lower value for the two columns has been reported due to obvious interference.
 P- The RPD between the results for the two columns exceeds the method-specified criteria.
 U - The analyte was analyzed for, but was not detected above the reported sample quantification limit.
 J - The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

Highlighted text denotes concentrations exceeding NYSDEC Protection of Groundwater Use SCO
 Highlighted text denotes concentrations exceeding NYSDEC Residential Use SCO
 Highlighted text denotes concentrations exceeding NYSDEC Unrestricted Use SCO

Table 1
Soil Analytical for Volatile Organics
4285 Middle Country Rd,
Calverton, NY

Client Sample ID:	NYSDEC Protection of Ground water ⁽¹⁾	NYSDEC Soil Cleanup Objectives Residential Use ⁽²⁾	NYSDEC Soil Cleanup Objectives Unrestricted Use ⁽³⁾	GRID AD_0-2 L2156730-07 10/15/2021
Laboratory ID:				
Sampling Date:				
Volatile Organics by 8260/5035 in mg/kg				
1,1,1,2-Tetrachloroethane	NS	NS	NS	0.00054 U
1,1,1-Trichloroethane	0.68	100	0.68	0.00054 U
1,1,2,2-Tetrachloroethane	NS	NS	NS	0.00054 U
1,1,2-Trichloroethane	NS	NS	NS	0.0011 U
1,1-Dichloroethane	0.27	19	0.27	0.0011 U
1,1-Dichloroethene	0.33	100	0.33	0.0011 U
1,1-Dichloropropene	NS	NS	NS	0.00054 U
1,2,3-Trichlorobenzene	NS	NS	NS	0.0022 U
1,2,3-Trichloropropane	NS	NS	NS	0.0022 U
1,2,4,5-Tetramethylbenzene	NS	NS	NS	0.0022 U
1,2,4-Trichlorobenzene	NS	NS	NS	0.0022 U
1,2,4-Trimethylbenzene	3.6	47	3.6	0.0022 U
1,2-Dibromo-3-chloropropane	NS	NS	NS	0.0033 U
1,2-Dibromoethane	NS	NS	NS	0.0011 U
1,2-Dichlorobenzene	1.1	100.0	1.1	0.0022 U
1,2-Dichloroethane	0.02	2.3	0.02	0.0011 U
1,2-Dichloroethene, Total	NS	NS	NS	0.0011 U
1,2-Dichloropropane	NS	NS	NS	0.0011 U
1,3,5-Trimethylbenzene	8.4	47	8	0.0022 U
1,3-Dichlorobenzene	2.4	17.0	2.4	0.0022 U
1,3-Dichloropropane	NS	NS	NS	0.0022 U
1,3-Dichloropropene, Total	NS	NS	NS	0.00054 U
1,4-Dichlorobenzene	1.8	9.8	1.8	0.0022 U
1,4-Dioxane	0.1	9.8	0.1	0.087 U
2,2-Dichloropropane	NS	NS	NS	0.0022 U
2-Butanone	0.12	100	0.1	0.011 U
2-Hexanone	NS	NS	NS	0.011 U
4-Methyl-2-pentanone	NS	NS	NS	0.011 U
Acetone	0.05	100	0.05	0.011 U
Acrylonitrile	NS	NS	NS	0.0044 U
Benzene	0.06	2.9	0.1	0.00054 U
Bromobenzene	NS	NS	NS	0.0022 U
Bromochloromethane	NS	NS	NS	0.0022 U
Bromodichloromethane	NS	NS	NS	0.00054 U
Bromoform	NS	NS	NS	0.0044 U
Bromomethane	NS	NS	NS	0.0022 U
Carbon disulfide	NS	NS	NS	0.011 U
Carbon tetrachloride	0.76	1.4	0.76	0.0011 U
Chlorobenzene	1.1	100.0	1.1	0.00054 U
Chloroethane	NS	NS	NS	0.0022 U
Chloroform	0.37	10	0.4	0.00018 J
Chloromethane	NS	NS	NS	0.0044 U
cis-1,2-Dichloroethene	0.25	59	0.25	0.0011 U
cis-1,3-Dichloropropene	NS	NS	NS	0.00054 U
Dibromochloromethane	NS	NS	NS	0.0011 U
Dibromomethane	NS	NS	NS	0.0022 U
Dichlorodifluoromethane	NS	NS	NS	0.011 U
Ethyl ether	NS	NS	NS	0.0022 U
Ethylbenzene	1	30	1	0.0011 U
Hexachlorobutadiene	NS	NS	NS	0.0044 U
Isopropylbenzene	NS	NS	NS	0.0011 U
Methyl tert butyl ether	0.93	62	0.93	0.0022 U
Methylene chloride	0.05	51	0.05	0.0054 U
n-Butylbenzene	12	100	12	0.0011 U
n-Propylbenzene	3.9	100	3.9	0.0011 U
Naphthalene	12	100	12	0.0044 U
o-Chlorotoluene	NS	NS	NS	0.0022 U
o-Xylene	NS	NS	NS	0.0011 U
p-Chlorotoluene	NS	NS	NS	0.0022 U
p-Diethylbenzene	NS	NS	NS	0.0022 U
p-Ethyltoluene	NS	NS	NS	0.0022 U
p-Isopropyltoluene	NS	NS	NS	0.0011 U
p/m-Xylene	NS	NS	NS	0.0022 U
sec-Butylbenzene	11	100	11	0.0011 U
Styrene	NS	NS	NS	0.0011 U
tert-Butylbenzene	5.9	100	5.9	0.0022 U
Tetrachloroethene	1.3	5.5	1.3	0.00054 U
Toluene	0.7	100	0.7	0.0011 U
trans-1,2-Dichloroethene	0.19	100	0.19	0.0016 U
trans-1,3-Dichloropropene	NS	NS	NS	0.0011 U
trans-1,4-Dichloro-2-butene	NS	NS	NS	0.0054 U
Trichloroethene	0.47	10	0.47	0.00054 U
Trichlorofluoromethane	NS	NS	NS	0.0044 U
Vinyl acetate	NS	NS	NS	0.011 U
Vinyl chloride	0.02	0.21	0.02	0.0011 U
Xylenes, Total	1.6	100	0.26	0.0011 U
Total VOCs				0.00018

Notes:

- (1) New York NYCRR Part 375 Groundwater Criteria, New York Restricted use Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, 12/06.
(2) New York NYCRR Part 375 Residential Criteria, New York Restricted use Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, 12/06.
(3) NYSDEC 6 NYCRR Environmental Remediation Programs Part 375 Unrestricted Use of Soil Cleanup Objective Table 375-6.8a 12/06

NS - No Standard

I - The lower value for the two columns has been reported due to obvious interference.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

U - The analyte was analyzed for, but was not detected above the reported sample quantification limit.

J - The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

Highlighted text denotes concentrations exceeding NYSDEC Protection of Groundwater Use SCO

Highlighted text denotes concentrations exceeding NYSDEC Residential Use SCO

Highlighted text denotes concentrations exceeding NYSDEC Unrestricted Use SCO

Table 2
Soil Analytical for Semivolitale Organics
4285 Middle Country Rd,
Calverton, NY

Client Sample ID:	NYSDEC Protection of Ground water ⁽¹⁾	NYSDEC Soil Cleanup Objectives Residential Use ⁽²⁾	NYSDEC Soil Cleanup Objectives Unrestricted Use ⁽³⁾	SB001_0-2		SB002_3-5		SB003_2-4		SB004_4-6	
Laboratory ID:				L2155380-01		L2155380-02		L2155380-03		L2155380-04	
Sampling Date:				10/11/2021		10/11/2021		10/11/2021		10/11/2021	
Semi-Volatile Organic Compounds by USEPA Method 8270 in mg/kg											
1,2,4,5-Tetrachlorobenzene	NS	NS	NS	0.18	U	0.16	U	0.18	U	0.17	U
1,2,4-Trichlorobenzene	NS	NS	NS	0.18	U	0.16	U	0.18	U	0.17	U
1,2-Dichlorobenzene	1.1	100	1.1	0.18	U	0.16	U	0.18	U	0.17	U
1,3-Dichlorobenzene	2.4	17	2.4	0.18	U	0.16	U	0.18	U	0.17	U
1,4-Dichlorobenzene	1.8	9.8	1.8	0.18	U	0.16	U	0.18	U	0.17	U
1,4-Dioxane	0.1	9.8	0.1	0.026	U	0.025	U	0.028	U	0.026	U
2,4,5-Trichlorophenol	NS	NS	NS	0.18	U	0.16	U	0.18	U	0.17	U
2,4,6-Trichlorophenol	NS	NS	NS	0.1	U	0.099	U	0.11	U	0.1	U
2,4-Dichlorophenol	NS	NS	NS	0.16	U	0.15	U	0.17	U	0.16	U
2,4-Dimethylphenol	NS	NS	NS	0.18	U	0.16	U	0.18	U	0.17	U
2,4-Dinitrophenol	NS	NS	NS	0.84	U	0.8	U	0.89	U	0.83	U
2,4-Dinitrotoluene	NS	NS	NS	0.18	U	0.16	U	0.18	U	0.17	U
2,6-Dinitrotoluene	NS	NS	NS	0.18	U	0.16	U	0.18	U	0.17	U
2-Chloronaphthalene	NS	NS	NS	0.18	U	0.16	U	0.18	U	0.17	U
2-Chlorophenol	NS	NS	NS	0.18	U	0.16	U	0.18	U	0.17	U
2-Methylnaphthalene	NS	NS	NS	0.21	U	0.2	U	0.22	U	0.21	U
2-Methylphenol	0.33	100	0.33	0.18	U	0.16	U	0.18	U	0.17	U
2-Nitroaniline	NS	NS	NS	0.18	U	0.16	U	0.18	U	0.17	U
2-Nitrophenol	NS	NS	NS	0.38	U	0.36	U	0.4	U	0.37	U
3,3'-Dichlorobenzidine	NS	NS	NS	0.18	U	0.16	U	0.18	U	0.17	U
3-Methylphenol/4-Methylphenol	0.33	34	0.33	0.25	U	0.24	U	0.27	U	0.25	U
3-Nitroaniline	NS	NS	NS	0.18	U	0.16	U	0.18	U	0.17	U
4,6-Dinitro-o-cresol	NS	NS	NS	0.46	U	0.43	U	0.48	U	0.45	U
4-Bromophenyl phenyl ether	NS	NS	NS	0.18	U	0.16	U	0.18	U	0.17	U
4-Chloroaniline	NS	NS	NS	0.18	U	0.16	U	0.18	U	0.17	U
4-Chlorophenyl phenyl ether	NS	NS	NS	0.18	U	0.16	U	0.18	U	0.17	U
4-Nitroaniline	NS	NS	NS	0.18	U	0.16	U	0.18	U	0.17	U
4-Nitrophenol	NS	NS	NS	0.24	U	0.23	U	0.26	U	0.24	U
Acenaphthene	98	100	20	0.14	U	0.13	U	0.15	U	0.14	U
Acenaphthylene	107	100	100	0.14	U	0.13	U	0.15	U	0.14	U
Acetophenone	NS	NS	NS	0.18	U	0.16	U	0.18	U	0.17	U
Anthracene	1000	100	100	0.1	U	0.099	U	0.11	U	0.1	U
Benzo(a)anthracene	1	1	1	0.1	U	0.099	U	0.11	U	0.1	U
Benzo(a)pyrene	22	1	1	0.14	U	0.13	U	0.15	U	0.14	U
Benzo(b)fluoranthene	2	1	1	0.1	U	0.099	U	0.11	U	0.1	U
Benzo(ghi)perylene	1000	100	100	0.14	U	0.13	U	0.15	U	0.14	U
Benzo(k)fluoranthene	1.7	1	0.8	0.1	U	0.099	U	0.11	U	0.1	U
Benzoic Acid	NS	NS	NS	0.57	U	0.54	U	0.6	U	0.56	U
Benzyl Alcohol	NS	NS	NS	0.18	U	0.16	U	0.18	U	0.17	U
Biphenyl	NS	NS	NS	0.4	U	0.38	U	0.42	U	0.39	U
Bis(2-chloroethoxy)methane	NS	NS	NS	0.19	U	0.18	U	0.2	U	0.19	U
Bis(2-chloroethyl)ether	NS	NS	NS	0.16	U	0.15	U	0.17	U	0.16	U
Bis(2-chloroisopropyl)ether	NS	NS	NS	0.21	U	0.2	U	0.22	U	0.21	U
Bis(2-ethylhexyl)phthalate	NS	NS	NS	0.18	U	0.16	U	0.18	U	0.17	U
Butyl benzyl phthalate	NS	NS	NS	0.18	U	0.16	U	0.18	U	0.17	U
Carbazole	NS	NS	NS	0.18	U	0.16	U	0.18	U	0.17	U
Chrysene	1	1	1	0.1	U	0.099	U	0.11	U	0.1	U
Di-n-butylphthalate	NS	NS	NS	0.18	U	0.16	U	0.18	U	0.17	U
Di-n-octylphthalate	NS	NS	NS	0.18	U	0.16	U	0.18	U	0.17	U
Dibenzo(a,h)anthracene	1000	0.33	0.33	0.1	U	0.099	U	0.11	U	0.1	U
Dibenzofuran	210	14	7	0.18	U	0.16	U	0.18	U	0.17	U
Diethyl phthalate	NS	NS	NS	0.18	U	0.16	U	0.18	U	0.17	U
Dimethyl phthalate	NS	NS	NS	0.18	U	0.16	U	0.18	U	0.17	U
Fluoranthene	1,000	100	100	0.1	U	0.099	U	0.11	U	0.1	U
Fluorene	386	100	30	0.18	U	0.16	U	0.18	U	0.017	J
Hexachlorobenzene	3.2	0.33	0.33	0.1	U	0.099	U	0.11	U	0.1	U
Hexachlorobutadiene	NS	NS	NS	0.18	U	0.16	U	0.18	U	0.17	U
Hexachlorocyclopentadiene	NS	NS	NS	0.5	U	0.47	U	0.53	U	0.49	U
Hexachloroethane	NS	NS	NS	0.14	U	0.13	U	0.15	U	0.14	U
Indeno(1,2,3-cd)pyrene	8.2	0.5	0.5	0.14	U	0.13	U	0.15	U	0.14	U
Isophorone	NS	NS	NS	0.16	U	0.15	U	0.17	U	0.16	U
n-Nitrosodi-n-propylamine	NS	NS	NS	0.18	U	0.16	U	0.18	U	0.17	U
Naphthalene	12	100	12	0.18	U	0.16	U	0.18	U	0.17	U
NDPA/DPA	NS	NS	NS	0.14	U	0.13	U	0.15	U	0.14	U
Nitrobenzene	NS	NS	NS	0.16	U	0.15	U	0.17	U	0.16	U
p-Chloro-m-cresol	NS	NS	NS	0.18	U	0.16	U	0.18	U	0.17	U
Pentachlorophenol	0.8	2.4	0.8	0.14	U	0.13	U	0.15	U	0.14	U
Phenanthrene	1000	100	100	0.1	U	0.099	U	0.11	U	0.1	U
Phenol	0.33	100	0.33	0.18	U	0.16	U	0.18	U	0.17	U
Pyrene	1000	100	100	0.1	U	0.099	U	0.11	U	0.1	U
Total SVOCs				0		0		0		0.017	

Notes:
(1) New York NYCRR Part 375 Groundwater Criteria, New York Restricted use Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, 12/06.
(2) New York NYCRR Part 375 Residential Criteria, New York Restricted use Criteria per 6 NYCRR Part 375 Environmental Remediation Programs,12/06.
(3) NYSDEC 6 NYCRR Environmental Remediation Programs Part 375 Unrestricted Use of Soil Cleanup Objective Table 375-6.8a 12/06
NS - No Standard
I - The lower value for the two columns has been reported due to obvious interference.
P- The RPD between the results for the two columns exceeds the method-specified criteria.

U - The analyte was analyzed for, but was not detected above the reported sample quantification limit.
J - The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

Highlighted text denotes concentrations exceeding NYSDEC Protection of Groundwater Use SCO
Highlighted text denotes concentrations exceeding NYSDEC Residential Use SCO
Highlighted text denotes concentrations exceeding NYSDEC Unrestricted Use SCO

Table 2
Soil Analytical for Semivolitale Organics
4285 Middle Country Rd,
Calverton, NY

Client Sample ID:				SB005_1-3		SB006_2-4		SB007_5-7		SB008_6-8
Laboratory ID:	NYSDEC Protection of Ground water ⁽¹⁾	NYSDEC Soil Cleanup Objectives Residential Use ⁽²⁾	NYSDEC Soil Cleanup Objectives Unrestricted Use ⁽³⁾	L2155380-05		L2155380-06		L2155380-07		L2155380-08
Sampling Date:				10/11/2021		10/11/2021		10/11/2021		10/11/2021
Semi-Volatile Organic Compounds by USEPA Method 8270 in mg/kg										
1,2,4,5-Tetrachlorobenzene	NS	NS	NS	0.18 U		0.18 U		0.16 U		0.2 U
1,2,4-Trichlorobenzene	NS	NS	NS	0.18 U		0.18 U		0.16 U		0.2 U
1,2-Dichlorobenzene	1.1	100	1.1	0.18 U		0.18 U		0.16 U		0.2 U
1,3-Dichlorobenzene	2.4	17	2.4	0.18 U		0.18 U		0.16 U		0.2 U
1,4-Dichlorobenzene	1.8	9.8	1.8	0.18 U		0.18 U		0.16 U		0.2 U
1,4-Dioxane	0.1	9.8	0.1	0.027 U		0.027 U		0.024 U		0.03 U
2,4,5-Trichlorophenol	NS	NS	NS	0.18 U		0.18 U		0.16 U		0.2 U
2,4,6-Trichlorophenol	NS	NS	NS	0.11 U		0.11 U		0.098 U		0.12 U
2,4-Dichlorophenol	NS	NS	NS	0.16 U		0.16 U		0.15 U		0.18 U
2,4-Dimethylphenol	NS	NS	NS	0.18 U		0.18 U		0.16 U		0.2 U
2,4-Dinitrophenol	NS	NS	NS	0.85 U		0.85 U		0.78 U		0.95 U
2,4-Dinitrotoluene	NS	NS	NS	0.18 U		0.18 U		0.16 U		0.2 U
2,6-Dinitrotoluene	NS	NS	NS	0.18 U		0.18 U		0.16 U		0.2 U
2-Chloronaphthalene	NS	NS	NS	0.18 U		0.18 U		0.16 U		0.2 U
2-Chlorophenol	NS	NS	NS	0.18 U		0.18 U		0.16 U		0.2 U
2-Methylnaphthalene	NS	NS	NS	0.21 U		0.21 U		0.2 U		0.24 U
2-Methylphenol	0.33	100	0.33	0.18 U		0.18 U		0.16 U		0.2 U
2-Nitroaniline	NS	NS	NS	0.18 U		0.18 U		0.16 U		0.2 U
2-Nitrophenol	NS	NS	NS	0.38 U		0.38 U		0.35 U		0.43 U
3,3'-Dichlorobenzidine	NS	NS	NS	0.18 U		0.18 U		0.16 U		0.2 U
3-Methylphenol/4-Methylphenol	0.33	34	0.33	0.26 U		0.26 U		0.24 U		0.28 U
3-Nitroaniline	NS	NS	NS	0.18 U		0.18 U		0.16 U		0.2 U
4,6-Dinitro-o-cresol	NS	NS	NS	0.46 U		0.46 U		0.42 U		0.51 U
4-Bromophenyl phenyl ether	NS	NS	NS	0.18 U		0.18 U		0.16 U		0.2 U
4-Chloroaniline	NS	NS	NS	0.18 U		0.18 U		0.16 U		0.2 U
4-Chlorophenyl phenyl ether	NS	NS	NS	0.18 U		0.18 U		0.16 U		0.2 U
4-Nitroaniline	NS	NS	NS	0.18 U		0.18 U		0.16 U		0.2 U
4-Nitrophenol	NS	NS	NS	0.25 U		0.25 U		0.23 U		0.28 U
Acenaphthene	98	100	20	0.14 U		0.14 U		0.13 U		0.16 U
Acenaphthylene	107	100	100	0.14 U		0.14 U		0.13 U		0.16 U
Acetophenone	NS	NS	NS	0.18 U		0.18 U		0.16 U		0.2 U
Anthracene	1000	100	100	0.11 U		0.11 U		0.098 U		0.12 U
Benzo(a)anthracene	1	1	1	0.11 U		0.11 U		0.098 U		0.12 U
Benzo(a)pyrene	22	1	1	0.14 U		0.14 U		0.13 U		0.16 U
Benzo(b)fluoranthene	2	1	1	0.11 U		0.11 U		0.098 U		0.12 U
Benzo(ghi)perylene	1000	100	100	0.14 U		0.14 U		0.13 U		0.16 U
Benzo(k)fluoranthene	1.7	1	0.8	0.11 U		0.11 U		0.098 U		0.12 U
Benzoic Acid	NS	NS	NS	0.58 U		0.58 U		0.53 U		0.64 U
Benzyl Alcohol	NS	NS	NS	0.18 U		0.18 U		0.16 U		0.2 U
Biphenyl	NS	NS	NS	0.4 U		0.4 U		0.37 U		0.45 U
Bis(2-chloroethoxy)methane	NS	NS	NS	0.19 U		0.19 U		0.18 U		0.21 U
Bis(2-chloroethyl)ether	NS	NS	NS	0.16 U		0.16 U		0.15 U		0.18 U
Bis(2-chloroisopropyl)ether	NS	NS	NS	0.21 U		0.21 U		0.2 U		0.24 U
Bis(2-ethylhexyl)phthalate	NS	NS	NS	0.18 U		0.18 U		0.16 U		0.2 U
Butyl benzyl phthalate	NS	NS	NS	0.18 U		0.18 U		0.16 U		0.2 U
Carbazole	NS	NS	NS	0.18 U		0.18 U		0.16 U		0.2 U
Chrysene	1	1	1	0.11 U		0.11 U		0.098 U		0.12 U
Di-n-butylphthalate	NS	NS	NS	0.18 U		0.18 U		0.16 U		0.2 U
Di-n-octylphthalate	NS	NS	NS	0.18 U		0.18 U		0.16 U		0.2 U
Dibenzo(a,h)anthracene	1000	0.33	0.33	0.11 U		0.11 U		0.098 U		0.12 U
Dibenzofuran	210	14	7	0.18 U		0.18 U		0.16 U		0.2 U
Diethyl phthalate	NS	NS	NS	0.18 U		0.18 U		0.16 U		0.2 U
Dimethyl phthalate	NS	NS	NS	0.18 U		0.18 U		0.16 U		0.2 U
Fluoranthene	1,000	100	100	0.11 U		0.11 U		0.098 U		0.12 U
Fluorene	386	100	30	0.18 U		0.18 U		0.16 U		0.2 U
Hexachlorobenzene	3.2	0.33	0.33	0.11 U		0.11 U		0.098 U		0.12 U
Hexachlorobutadiene	NS	NS	NS	0.18 U		0.18 U		0.16 U		0.2 U
Hexachlorocyclopentadiene	NS	NS	NS	0.51 U		0.51 U		0.47 U		0.56 U
Hexachloroethane	NS	NS	NS	0.14 U		0.14 U		0.13 U		0.16 U
Indeno(1,2,3-cd)pyrene	8.2	0.5	0.5	0.14 U		0.14 U		0.13 U		0.16 U
Isophorone	NS	NS	NS	0.16 U		0.16 U		0.15 U		0.18 U
n-Nitrosodi-n-propylamine	NS	NS	NS	0.18 U		0.18 U		0.16 U		0.2 U
Naphthalene	12	100	12	0.18 U		0.18 U		0.16 U		0.2 U
NDPA/DPA	NS	NS	NS	0.14 U		0.14 U		0.13 U		0.16 U
Nitrobenzene	NS	NS	NS	0.16 U		0.16 U		0.15 U		0.18 U
p-Chloro-m-cresol	NS	NS	NS	0.18 U		0.18 U		0.16 U		0.2 U
Pentachlorophenol	0.8	2.4	0.8	0.14 U		0.14 U		0.13 U		0.16 U
Phenanthrene	1000	100	100	0.11 U		0.11 U		0.098 U		0.12 U
Phenol	0.33	100	0.33	0.18 U		0.18 U		0.16 U		0.2 U
Pyrene	1000	100	100	0.11 U		0.11 U		0.098 U		0.12 U
Total SVOCs				0		0		0		0

Notes:
(1) New York NYCRR Part 375 Groundwater Criteria, New York Restricted use Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, 12/06.
(2) New York NYCRR Part 375 Residential Criteria, New York Restricted use Criteria per 6 NYCRR Part 375 Environmental Remediation Programs,12/06.
(3) NYSDEC 6 NYCRR Environmental Remediation Programs Part 375 Unrestricted Use of Soil Cleanup Objective Table 375-6.8a 12/06
NS - No Standard
I - The lower value for the two columns has been reported due to obvious interference.
P- The RPD between the results for the two columns exceeds the method-specified criteria.

U - The analyte was analyzed for, but was not detected above the reported sample quantification limit.
J - The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
Highlighted text denotes concentrations exceeding NYSDEC Protection of Groundwater Use SCO
Highlighted text denotes concentrations exceeding NYSDEC Residential Use SCO
Highlighted text denotes concentrations exceeding NYSDEC Unrestricted Use SCO

Table 2
Soil Analytical for Semivolitale Organics
4285 Middle Country Rd,
Calverton, NY

Client Sample ID:				SB009_2-4		SB010_6-8		GRID A_0-2		GRID F_0-2
Laboratory ID:	NYSDEC Protection of Ground water ⁽¹⁾	NYSDEC Soil Cleanup Objectives Residential Use ⁽²⁾	NYSDEC Soil Cleanup Objectives Unrestricted Use ⁽³⁾	L2155380-09		L2155380-10		L2155998-01		L2156337-03
Sampling Date:				10/11/2021		10/11/2021		10/13/2021		10/14/2021
Semi-Volatile Organic Compounds by USEPA Method 8270 in mg/kg										
1,2,4,5-Tetrachlorobenzene	NS	NS	NS	0.18 U		0.18 U		0.2 U		0.17 U
1,2,4-Trichlorobenzene	NS	NS	NS	0.18 U		0.025 J		0.2 U		0.17 U
1,2-Dichlorobenzene	1.1	100	1.1	0.18 U		0.18 U		0.2 U		0.17 U
1,3-Dichlorobenzene	2.4	17	2.4	0.18 U		0.18 U		0.2 U		0.17 U
1,4-Dichlorobenzene	1.8	9.8	1.8	0.18 U		0.18 U		0.2 U		0.17 U
1,4-Dioxane	0.1	9.8	0.1	0.028 U		0.027 U		0.03 U		0.025 U
2,4,5-Trichlorophenol	NS	NS	NS	0.18 U		0.18 U		0.2 U		0.17 U
2,4,6-Trichlorophenol	NS	NS	NS	0.11 U		0.11 U		0.12 U		0.1 U
2,4-Dichlorophenol	NS	NS	NS	0.16 U		0.16 U		0.18 U		0.15 U
2,4-Dimethylphenol	NS	NS	NS	0.18 U		0.18 U		0.2 U		0.17 U
2,4-Dinitrophenol	NS	NS	NS	0.88 U		0.86 U		0.96 U		0.8 U
2,4-Dinitrotoluene	NS	NS	NS	0.18 U		0.18 U		0.2 U		0.17 U
2,6-Dinitrotoluene	NS	NS	NS	0.18 U		0.18 U		0.2 U		0.17 U
2-Chloronaphthalene	NS	NS	NS	0.18 U		0.032 J		0.2 U		0.17 U
2-Chlorophenol	NS	NS	NS	0.18 U		0.18 U		0.2 U		0.17 U
2-Methylnaphthalene	NS	NS	NS	0.048 J		0.11 J		0.24 U		0.2 U
2-Methylphenol	0.33	100	0.33	0.18 U		0.18 U		0.2 U		0.17 U
2-Nitroaniline	NS	NS	NS	0.18 U		0.18 U		0.2 U		0.17 U
2-Nitrophenol	NS	NS	NS	0.4 U		0.38 U		0.43 U		0.36 U
3,3'-Dichlorobenzidine	NS	NS	NS	0.18 U		0.18 U		0.2 U		0.17 U
3-Methylphenol/4-Methylphenol	0.33	34	0.33	0.26 U		0.028 J		0.29 U		0.24 U
3-Nitroaniline	NS	NS	NS	0.18 U		0.18 U		0.2 U		0.17 U
4,6-Dinitro-o-cresol	NS	NS	NS	0.48 U		0.46 U		0.52 U		0.44 U
4-Bromophenyl phenyl ether	NS	NS	NS	0.18 U		0.035 J		0.2 U		0.17 U
4-Chloroaniline	NS	NS	NS	0.18 U		0.18 U		0.2 U		0.17 U
4-Chlorophenyl phenyl ether	NS	NS	NS	0.18 U		0.038 J		0.2 U		0.17 U
4-Nitroaniline	NS	NS	NS	0.18 U		0.18 U		0.2 U		0.17 U
4-Nitrophenol	NS	NS	NS	0.26 U		0.25 U		0.28 U		0.23 U
Acenaphthene	98	100	20	0.19		0.24		0.16 U		0.13 U
Acenaphthylene	107	100	100	0.093 J		0.034 J		0.16 U		0.13 U
Acetophenone	NS	NS	NS	0.18 U		0.18 U		0.2 U		0.17 U
Anthracene	1000	100	100	0.54		0.41		0.12 U		0.1 U
Benzo(a)anthracene	1	1	1	1.6		0.64		0.05 J		0.1 U
Benzo(a)pyrene	22	1	1	1.5		0.57		0.066 J		0.13 U
Benzo(b)fluoranthene	2	1	1	2.1		0.7		0.11 J		0.1 U
Benzo(ghi)perylene	1000	100	100	0.98		0.32		0.061 J		0.13 U
Benzo(k)fluoranthene	1.7	1	0.8	0.51		0.26		0.12 U		0.1 U
Benzoic Acid	NS	NS	NS	0.59 U		0.58 U		0.32 J		0.37 J
Benzyl Alcohol	NS	NS	NS	0.18 U		0.18 U		0.2 U		0.17 U
Biphenyl	NS	NS	NS	0.42 U		0.41 U		0.46 U		0.38 U
Bis(2-chloroethoxy)methane	NS	NS	NS	0.2 U		0.19 U		0.22 U		0.18 U
Bis(2-chloroethyl)ether	NS	NS	NS	0.16 U		0.16 U		0.18 U		0.15 U
Bis(2-chloroisopropyl)ether	NS	NS	NS	0.22 U		0.21 U		0.24 U		0.2 U
Bis(2-ethylhexyl)phthalate	NS	NS	NS	0.18 U		0.18 U		0.2 U		0.17 U
Butyl benzyl phthalate	NS	NS	NS	0.18 U		0.18 U		0.2 U		0.17 U
Carbazole	NS	NS	NS	0.19		0.2		0.2 U		0.17 U
Chrysene	1	1	1	1.4		0.6		0.064 J		0.1 U
Di-n-butylphthalate	NS	NS	NS	0.18 U		0.18 U		0.2 U		0.17 U
Di-n-octylphthalate	NS	NS	NS	0.18 U		0.18 U		0.2 U		0.17 U
Dibenzo(a,h)anthracene	1000	0.33	0.33	0.24		0.093 J		0.12 U		0.1 U
Dibenzofuran	210	14	7	0.1 J		0.17 J		0.2 U		0.17 U
Diethyl phthalate	NS	NS	NS	0.18 U		0.18 U		0.2 U		0.17 U
Dimethyl phthalate	NS	NS	NS	0.18 U		0.18 U		0.2 U		0.17 U
Fluoranthene	1,000	100	100	3.4		1.5		0.1 J		0.1 U
Fluorene	386	100	30	0.19		0.22		0.2 U		0.17 U
Hexachlorobenzene	3.2	0.33	0.33	0.11 U		0.034 J		0.12 U		0.1 U
Hexachlorobutadiene	NS	NS	NS	0.18 U		0.18 U		0.2 U		0.17 U
Hexachlorocyclopentadiene	NS	NS	NS	0.52 U		0.51 U		0.57 U		0.48 U
Hexachloroethane	NS	NS	NS	0.15 U		0.14 U		0.16 U		0.13 U
Indeno(1,2,3-cd)pyrene	8.2	0.5	0.5	1		0.38		0.1 J		0.13 U
Isophorone	NS	NS	NS	0.16 U		0.16 U		0.18 U		0.15 U
n-Nitrosodi-n-propylamine	NS	NS	NS	0.18 U		0.18 U		0.2 U		0.17 U
Naphthalene	12	100	12	0.067 J		0.13 J		0.2 U		0.17 U
NDPA/DPA	NS	NS	NS	0.15 U		0.14 U		0.16 U		0.13 U
Nitrobenzene	NS	NS	NS	0.16 U		0.16 U		0.18 U		0.15 U
p-Chloro-m-cresol	NS	NS	NS	0.18 U		0.18 U		0.2 U		0.17 U
Pentachlorophenol	0.8	2.4	0.8	0.15 U		0.14 U		0.16 U		0.13 U
Phenanthrene	1000	100	100	2.3		1.4		0.033 J		0.1 U
Phenol	0.33	100	0.33	0.18 U		0.18 U		0.2 U		0.17 U
Pyrene	1000	100	100	2.9		1.2		0.09 J		0.1 U
Total SVOCs				19.348		9.369		0.994		0.37

Notes:
(1) New York NYCRR Part 375 Groundwater Criteria, New York Restricted use Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, 12/06.
(2) New York NYCRR Part 375 Residential Criteria, New York Restricted use Criteria per 6 NYCRR Part 375 Environmental Remediation Programs,12/06.
(3) NYSDEC 6 NYCRR Environmental Remediation Programs Part 375 Unrestricted Use of Soil Cleanup Objective Table 375-6.8a 12/06
NS - No Standard
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P- The RPD between the results for the two columns exceeds the method-specified criteria.

U - The analyte was analyzed for, but was not detected above the reported sample quantification limit.
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Highlighted text denotes concentrations exceeding NYSDEC Protection of Groundwater Use SCO
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Highlighted text denotes concentrations exceeding NYSDEC Unrestricted Use SCO

Table 2
Soil Analytical for Semivolitale Organics
4285 Middle Country Rd,
Calverton, NY

Client Sample ID:				GRID L_0-2		GRID R_0-2		GRID X_0-2		GRID AD_0-2	
Laboratory ID:	NYSDEC Protection of Ground water ⁽¹⁾	NYSDEC Soil Cleanup Objectives Residential Use ⁽²⁾	NYSDEC Soil Cleanup Objectives Unrestricted Use ⁽³⁾	L2156730-09		L2155998-13		L2156337-21		L2156730-07	
Sampling Date:				10/15/2021		10/13/2021		10/14/2021		10/15/2021	
Semi-Volatile Organic Compounds by USEPA Method 8270 in mg/kg											
1,2,4,5-Tetrachlorobenzene	NS	NS	NS	0.18	U	0.17	U	0.17	U	0.18	U
1,2,4-Trichlorobenzene	NS	NS	NS	0.18	U	0.17	U	0.17	U	0.18	U
1,2-Dichlorobenzene	1.1	100	1.1	0.18	U	0.17	U	0.17	U	0.18	U
1,3-Dichlorobenzene	2.4	17	2.4	0.18	U	0.17	U	0.17	U	0.18	U
1,4-Dichlorobenzene	1.8	9.8	1.8	0.18	U	0.17	U	0.17	U	0.18	U
1,4-Dioxane	0.1	9.8	0.1	0.026	U	0.026	U	0.025	U	0.027	U
2,4,5-Trichlorophenol	NS	NS	NS	0.18	U	0.17	U	0.17	U	0.18	U
2,4,6-Trichlorophenol	NS	NS	NS	0.1	U	0.1	U	0.1	U	0.11	U
2,4-Dichlorophenol	NS	NS	NS	0.16	U	0.16	U	0.15	U	0.16	U
2,4-Dimethylphenol	NS	NS	NS	0.18	U	0.17	U	0.17	U	0.18	U
2,4-Dinitrophenol	NS	NS	NS	0.84	U	0.83	U	0.8	U	0.86	U
2,4-Dinitrotoluene	NS	NS	NS	0.18	U	0.17	U	0.17	U	0.18	U
2,6-Dinitrotoluene	NS	NS	NS	0.18	U	0.17	U	0.17	U	0.18	U
2-Chloronaphthalene	NS	NS	NS	0.18	U	0.17	U	0.17	U	0.18	U
2-Chlorophenol	NS	NS	NS	0.18	U	0.17	U	0.17	U	0.18	U
2-Methylnaphthalene	NS	NS	NS	0.21	U	0.21	U	0.2	U	0.21	U
2-Methylphenol	0.33	100	0.33	0.18	U	0.17	U	0.17	U	0.18	U
2-Nitroaniline	NS	NS	NS	0.18	U	0.17	U	0.17	U	0.18	U
2-Nitrophenol	NS	NS	NS	0.38	U	0.37	U	0.36	U	0.38	U
3,3'-Dichlorobenzidine	NS	NS	NS	0.18	U	0.17	U	0.17	U	0.18	U
3-Methylphenol/4-Methylphenol	0.33	34	0.33	0.25	U	0.25	U	0.24	U	0.26	U
3-Nitroaniline	NS	NS	NS	0.18	U	0.17	U	0.17	U	0.18	U
4,6-Dinitro-o-cresol	NS	NS	NS	0.46	U	0.45	U	0.44	U	0.46	U
4-Bromophenyl phenyl ether	NS	NS	NS	0.18	U	0.17	U	0.17	U	0.18	U
4-Chloroaniline	NS	NS	NS	0.18	U	0.17	U	0.17	U	0.18	U
4-Chlorophenyl phenyl ether	NS	NS	NS	0.18	U	0.17	U	0.17	U	0.18	U
4-Nitroaniline	NS	NS	NS	0.18	U	0.17	U	0.17	U	0.18	U
4-Nitrophenol	NS	NS	NS	0.25	U	0.24	U	0.23	U	0.25	U
Acenaphthene	98	100	20	0.14	U	0.14	U	0.13	U	0.14	U
Acenaphthylene	107	100	100	0.14	U	0.14	U	0.13	U	0.14	U
Acetophenone	NS	NS	NS	0.18	U	0.17	U	0.17	U	0.18	U
Anthracene	1000	100	100	0.1	U	0.1	U	0.1	U	0.062	J
Benzo(a)anthracene	1	1	1	0.1	U	0.1	U	0.1	U	0.29	
Benzo(a)pyrene	22	1	1	0.14	U	0.14	U	0.13	U	0.2	
Benzo(b)fluoranthene	2	1	1	0.1	U	0.1	U	0.1	U	0.38	
Benzo(ghi)perylene	1000	100	100	0.14	U	0.14	U	0.13	U	0.16	
Benzo(k)fluoranthene	1.7	1	0.8	0.1	U	0.1	U	0.1	U	0.1	J
Benzoic Acid	NS	NS	NS	0.57	U	0.26	J	0.24	J	0.58	U
Benzyl Alcohol	NS	NS	NS	0.18	U	0.17	U	0.17	U	0.18	U
Biphenyl	NS	NS	NS	0.4	U	0.4	U	0.38	U	0.41	U
Bis(2-chloroethoxy)methane	NS	NS	NS	0.19	U	0.19	U	0.18	U	0.19	U
Bis(2-chloroethyl)ether	NS	NS	NS	0.16	U	0.16	U	0.15	U	0.16	U
Bis(2-chloroisopropyl)ether	NS	NS	NS	0.21	U	0.21	U	0.2	U	0.21	U
Bis(2-ethylhexyl)phthalate	NS	NS	NS	0.18	U	0.17	U	0.17	U	0.18	U
Butyl benzyl phthalate	NS	NS	NS	0.18	U	0.17	U	0.17	U	0.18	U
Carbazole	NS	NS	NS	0.18	U	0.17	U	0.17	U	0.021	J
Chrysene	1	1	1	0.1	U	0.1	U	0.1	U	0.27	
Di-n-butylphthalate	NS	NS	NS	0.18	U	0.17	U	0.17	U	0.18	U
Di-n-octylphthalate	NS	NS	NS	0.18	U	0.17	U	0.17	U	0.18	U
Dibenzo(a,h)anthracene	1000	0.33	0.33	0.1	U	0.1	U	0.1	U	0.038	J
Dibenzofuran	210	14	7	0.18	U	0.17	U	0.17	U	0.18	U
Diethyl phthalate	NS	NS	NS	0.18	U	0.17	U	0.17	U	0.18	U
Dimethyl phthalate	NS	NS	NS	0.18	U	0.17	U	0.17	U	0.2	
Fluoranthene	1,000	100	100	0.1	U	0.1	U	0.1	U	0.47	
Fluorene	386	100	30	0.18	U	0.17	U	0.17	U	0.02	J
Hexachlorobenzene	3.2	0.33	0.33	0.1	U	0.1	U	0.1	U	0.11	U
Hexachlorobutadiene	NS	NS	NS	0.18	U	0.17	U	0.17	U	0.18	U
Hexachlorocyclopentadiene	NS	NS	NS	0.5	U	0.5	U	0.48	U	0.51	U
Hexachloroethane	NS	NS	NS	0.14	U	0.14	U	0.13	U	0.14	U
Indeno(1,2,3-cd)pyrene	8.2	0.5	0.5	0.14	U	0.048	J	0.04	J	0.17	
Isophorone	NS	NS	NS	0.16	U	0.16	U	0.15	U	0.16	U
n-Nitrosodi-n-propylamine	NS	NS	NS	0.18	U	0.17	U	0.17	U	0.18	U
Naphthalene	12	100	12	0.18	U	0.17	U	0.17	U	0.18	U
NDPA/DPA	NS	NS	NS	0.14	U	0.14	U	0.13	U	0.14	U
Nitrobenzene	NS	NS	NS	0.16	U	0.16	U	0.15	U	0.16	U
p-Chloro-m-cresol	NS	NS	NS	0.18	U	0.17	U	0.17	U	0.18	U
Pentachlorophenol	0.8	2.4	0.8	0.14	U	0.14	U	0.13	U	0.14	U
Phenanthrene	1000	100	100	0.1	U	0.1	U	0.1	U	0.22	
Phenol	0.33	100	0.33	0.18	U	0.17	U	0.17	U	0.18	U
Pyrene	1000	100	100	0.1	U	0.018	J	0.1	U	0.43	
Total SVOCs				0		0.326		0.28		3.031	

Notes:
(1) New York NYCRR Part 375 Groundwater Criteria, New York Restricted use Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, 12/06.
(2) New York NYCRR Part 375 Residential Criteria, New York Restricted use Criteria per 6 NYCRR Part 375 Environmental Remediation Programs,12/06.
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Table 3
Soil Analytical for Total Metals
4285 Middle Country Rd,
Calverton, NY

Client Sample ID:				SB001_0-2	SB002_3-5	SB003_2-4	SB004_4-6	SB005_1-3	SB006_2-4	SB007_5-7	SB008_6-8	SB009_2-4
Laboratory ID:	NYSDEC Protection of Ground water ⁽¹⁾	NYSDEC Soil Cleanup Objectives Residential Use ⁽²⁾	NYSDEC Soil Cleanup Objectives Unrestricted Use ⁽³⁾	L2155380-01	L2155380-02	L2155380-03	L2155380-04	L2155380-05	L2155380-06	L2155380-07	L2155380-08	L2155380-09
Sampling Date:				10/11/2021	10/11/2021	10/11/2021	10/11/2021	10/11/2021	10/11/2021	10/11/2021	10/11/2021	10/11/2021
Total Metals by USEPA Method 6010 in mg/kg												
Aluminum, Total	NS	NS	NS	4,260	664	9,340	9,350	10,300	9,090	1,380	14,500	6,070
Antimony, Total	NS	NS	NS	4.04 U	3.93 U	4.41 U	4.11 U	4.33 U	4.25 U	3.86 U	23.7 U	4.23 U
Arsenic, Total	16	16	13	9.11	2.38	6	9.04	5.81	4.12	1.04	2.04 J	8.68
Barium, Total	820	350	350	7.14	0.904	22.5	14.8	16.8	17.2	3.03	35.8	127
Beryllium, Total	47	14	7.2	0.113 J	0.393 U	0.238 J	0.206 J	0.286 J	0.204 J	0.085 J	0.427 J	0.254 J
Cadmium, Total	7.5	2.5	2.5	0.808 U	0.786 U	0.882 U	0.822 U	0.866 U	0.85 U	0.772 U	4.75 U	8.02
Calcium, Total	NS	NS	NS	545	15	80	194	78	63	29	319	10,300
Chromium, Total	NS	NS	NS	4.72	2.18	8.49	10.7	10.4	8.67	3.76	14.7	13.5
Cobalt, Total	NS	NS	NS	0.76 J	0.197 J	2.56	3.67	4.36	3.01	0.942 J	4.42 J	4.18
Copper, Total	1720	270	50	7.96	0.794	4.71	12	7.91	5.33	2.22	7.69	46.1
Iron, Total	NS	NS	NS	5,560	731	9,850	10,100	10,200	8,630	4,130	8,780	11,200
Lead, Total	450	400	63	5.64	0.645 J	4.42	8.78	5.52	4.28	1.24 J	8.74 J	127
Magnesium, Total	NS	NS	NS	453	55	909	1,040	1,140	1,030	168	2,520	2,720
Manganese, Total	2000	2000	1600	18.3	3.78	56.3	84	76.5	62.7	32.8	95.8	190
Mercury, Total	0.73	0.81	0.18	0.067 U	0.068 U	0.078 U	0.068 U	0.075 U	0.074 U	0.063 U	0.076 U	0.346
Nickel, Total	130	140	30	1.51 J	0.315 J	4.32	5.19	6.01	4.77	0.803 J	7.69 J	11.2
Potassium, Total	NS	NS	NS	85 J	24 J	140 J	200 J	195 J	172 J	51.5 J	440 J	586
Selenium, Total	4	36	3.9	0.251 J	1.57 U	1.76 U	0.312 J	0.407 J	0.255 J	1.54 U	9.5 U	1.69 U
Silver, Total	8.3	36	2	0.808 U	0.786 U	0.882 U	0.822 U	0.866 U	0.85 U	0.772 U	4.75 U	0.846 U
Sodium, Total	NS	NS	NS	3.06 J	157 U	5.52 J	10.8 J	9.57 J	5.44 J	154 U	950 U	53.3 J
Thallium, Total	NS	NS	NS	1.62 U	1.57 U	1.76 U	1.64 U	1.73 U	1.7 U	1.54 U	9.5 U	1.69 U
Vanadium, Total	NS	NS	NS	7.66	1.28	12.9	15.1	14.9	13.1	3.69	20.2	18.3
Zinc, Total	2480	2200	109	6.1	1.2 J	13.1	15.9	14.7	15.1	2.81 J	26.5	130

Notes:

(1) New York NYCRR Part 375 Groundwater Criteria, New York Protection of Groundwater Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, 12/06.

(2) New York NYCRR Part 375 Residential Criteria, New York Restricted use Criteria per 6 NYCRR Part 375 Environmental Remediation Programs,12/06.

(3) NYSDEC 6 NYCRR Environmental Remediation Programs Part 375 Unrestricted Use of Soil Cleanup Objective Table 375-6.8a 12/06

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Table 3
Soil Analytical for Total Metals
4285 Middle Country Rd,
Calverton, NY

Client Sample ID:				SB010_6-8	GRID A_0-2	GRID A_18-24	GRID B_0-2	GRID B_18-24	GRID C_0-2	GRID C_18-24	GRID D_0-2	GRID E_0-2
Laboratory ID:	NYSDEC Protection of Ground water ⁽¹⁾	NYSDEC Soil Cleanup Objectives Residential Use ⁽²⁾	NYSDEC Soil Cleanup Objectives Unrestricted Use ⁽³⁾	L2155380-10	L2155998-01	L2155998-02	L2155998-03	L2155998-04	L2155998-05	L2155998-06	L2155998-07	L2156337-01
Sampling Date:				10/11/2021	10/13/2021	10/13/2021	10/13/2021	10/13/2021	10/13/2021	10/13/2021	10/13/2021	10/14/2021
Total Metals by USEPA Method 6010 in mg/kg												
Aluminum, Total	NS	NS	NS	7,380	12,200	10,600	7,460	7,500	6,790	8,640	5,660	10,200
Antimony, Total	NS	NS	NS	4.35 U	4.64 U	4.2 U	5.25 U	4.38 U	4.58 U	4.87 U	4.97 U	4.94 U
Arsenic, Total	16	16	13	30.8	50.4	42.8	31.6	19.9	21.1	11.7	11.8	2.8
Barium, Total	820	350	350	37	25.8	20.7	21	17.7	12.5	16.1	9.94	21.2
Beryllium, Total	47	14	7.2	0.2 J	0.353 J	0.286 J	0.231 J	0.201 J	0.202 J	0.224 J	0.149 J	0.306 J
Cadmium, Total	7.5	2.5	2.5	0.869 U	0.269 J	0.227 J	0.252 J	0.201 J	0.119 J	0.136 J	0.099 J	0.118 J
Calcium, Total	NS	NS	NS	5,210	453	252	475	261	153	151	179	85
Chromium, Total	NS	NS	NS	9.99	14.4	13.4	9.73	8.46	7.58	9.61	6.14	10.3
Cobalt, Total	NS	NS	NS	2.07	2.24	1.97	1.45 J	2	1.6 J	2.15	1.48 J	2.91
Copper, Total	1720	270	50	35.9	40	36	31.6	20.7	14.9	10.4	6.11	2.65
Iron, Total	NS	NS	NS	8,600	13,900	11,900	8,910	9,530	7,570	9,410	6,200	10,800
Lead, Total	450	400	63	36.6	55.7	31.6	40.3	28.4	10.2	9.08	8.42	6.22
Magnesium, Total	NS	NS	NS	1,550	980	721	564	564	675	714	500	848
Manganese, Total	2000	2000	1600	79.8	63.8	44.6	44.5	50.8	35.2	42.8	32.6	54.8
Mercury, Total	0.73	0.81	0.18	0.166	0.193	0.307	0.185	0.163	0.084 U	0.092 U	0.1 U	0.083 U
Nickel, Total	130	140	30	5.37	5.1	5.1	3.41	3.77	3.27	4.21	2.72	5.16
Potassium, Total	NS	NS	NS	364	338	239	217 J	188 J	157 J	174 J	135 J	182 J
Selenium, Total	4	36	3.9	0.4 J	0.297 J	0.462 J	2.1 U	1.75 U	1.83 U	1.95 U	1.99 U	1.98 U
Silver, Total	8.3	36	2	0.869 U	0.928 U	0.841 U	1.05 U	0.876 U	0.917 U	0.974 U	0.994 U	0.988 U
Sodium, Total	NS	NS	NS	106 J	168	71.7 J	25.5 J	42.2 J	21.5 J	43 J	22.2 J	19.2 J
Thallium, Total	NS	NS	NS	1.74 U	1.86 U	1.68 U	2.1 U	1.75 U	0.33 J	1.95 U	1.99 U	1.98 U
Vanadium, Total	NS	NS	NS	15	24.4	21.2	15.6	14.6	13.3	15.8	10.7	18.7
Zinc, Total	2480	2200	109	37.7	32.5	19.1	23.3	20.9	10.8	13.9	9.59	13.7

Notes:

(1) New York NYCRR Part 375 Groundwater Criteria, New York Protection of Groundwater Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, 12/06.

(2) New York NYCRR Part 375 Residential Criteria, New York Restricted use Criteria per 6 NYCRR Part 375 Environmental Remediation Programs,12/06.

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Table 3
Soil Analytical for Total Metals
4285 Middle Country Rd,
Calverton, NY

Client Sample ID:	NYSDEC Protection of Ground water ⁽¹⁾	NYSDEC Soil Cleanup Objectives Residential Use ⁽²⁾	NYSDEC Soil Cleanup Objectives Unrestricted Use ⁽³⁾	GRID F_0-2	GRID G_0-2	GRID H_0-2	GRID H_18-24	GRID I_0-2	GRID I_18-24	GRID J_0-2	GRID J_18-24	GRID K_0-2
Laboratory ID:				L2156337-03	L2156337-05	L2156337-07	L2156337-08	L2156337-09	L2156337-10	L2156337-11	L2156337-12	L2156337-13
Sampling Date:				10/14/2021	10/14/2021	10/14/2021	10/14/2021	10/14/2021	10/14/2021	10/14/2021	10/14/2021	10/14/2021
Total Metals by USEPA Method 6010 in mg/kg												
Aluminum, Total	NS	NS	NS	2,980	4,020	4,620	6,460	8,450	5,810	6,140	3,120	6,610
Antimony, Total	NS	NS	NS	4.08 U	4.06 U	4.08 U	4.26 U	4.33 U	4.09 U	1.97 J	4.08 U	0.394 J
Arsenic, Total	16	16	13	3.43	7.06	26.3	9.01	20.4	5.94	28.8	1.49	29.3
Barium, Total	820	350	350	4.6	6.51	8.03	9.88	16.2	10.1	11.4	4.32	11.6
Beryllium, Total	47	14	7.2	0.065 J	0.098 J	0.106 J	0.153 J	0.225 J	0.172 J	0.181 J	0.073 J	0.151 J
Cadmium, Total	7.5	2.5	2.5	0.817 U	0.813 U	0.09 J	0.085 J	0.138 J	0.082 J	0.164 J	0.816 U	0.117 J
Calcium, Total	NS	NS	NS	107	138	250	143	299	142	390	49	371
Chromium, Total	NS	NS	NS	3.35	4.36	5.02	7.4	9.2	6.32	27	3.91	6.87
Cobalt, Total	NS	NS	NS	1.13 J	1.28 J	0.701 J	1.57 J	2.25	2.12	1.2 J	2.01	0.788 J
Copper, Total	1720	270	50	3.02	5.66	11.7	5.77	11.2	4.43	17.8	2.03	20
Iron, Total	NS	NS	NS	3,320	4,460	5,130	7,500	9,210	6,570	10,600	3,260	6,040
Lead, Total	450	400	63	4.37	5.72	7.84	4.61	9.58	4.38	10.9	1.95 J	9.85
Magnesium, Total	NS	NS	NS	265	345	263	522	767	654	409	271	364
Manganese, Total	2000	2000	1600	31.2	33	18.1	33.1	47.4	43.9	26.7	47.6	20.2
Mercury, Total	0.73	0.81	0.18	0.075 U	0.066 U	0.074 U	0.068 U	0.079 U	0.068 U	0.07 U	0.065 U	0.075 U
Nickel, Total	130	140	30	1.66 J	2.01 J	1.73 J	3.23	4.41	3.44	2.65	1.72 J	2.34
Potassium, Total	NS	NS	NS	91.1 J	111 J	99.2 J	124 J	169 J	147 J	120 J	71.1 J	133 J
Selenium, Total	4	36	3.9	1.63 U	1.62 U	1.63 U	0.349 J	1.73 U	0.425 J	0.465 J	1.63 U	0.285 J
Silver, Total	8.3	36	2	0.817 U	0.813 U	0.816 U	0.851 U	0.866 U	0.818 U	0.861 U	0.816 U	0.839 U
Sodium, Total	NS	NS	NS	10 J	10.3 J	12.1 J	20 J	21.2 J	25.2 J	18.9 J	16.3 J	16.1 J
Thallium, Total	NS	NS	NS	1.63 U	1.62 U	1.63 U	1.7 U	1.73 U	1.64 U	1.72 U	1.63 U	1.68 U
Vanadium, Total	NS	NS	NS	6.46	7.97	10	12.4	17	10.5	17.7	5.51	12.6
Zinc, Total	2480	2200	109	5.08	6.52	7.6	9.67	14.3	10.1	10.2	4.43	9.71

Notes:

(1) New York NYCRR Part 375 Groundwater Criteria, New York Protection of Groundwater Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, 12/06.

(2) New York NYCRR Part 375 Residential Criteria, New York Restricted use Criteria per 6 NYCRR Part 375 Environmental Remediation Programs,12/06.

(3) NYSDEC 6 NYCRR Environmental Remediation Programs Part 375 Unrestricted Use of Soil Cleanup Objective Table 375-6.8a 12/06

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Highlighted text denotes concentrations exceeding NYSDEC Unrestricted Use SCO

Table 3
Soil Analytical for Total Metals
4285 Middle Country Rd,
Calverton, NY

Client Sample ID:				GRID K_18-24	GRID L_0-2	GRID L_18-24	GRID M_0-2	GRID M_18-24	GRID N_0-2	GRID N_18-24	GRID O_0-2	GRID O_18-24
Laboratory ID:	NYSDEC Protection of Ground water ⁽¹⁾	NYSDEC Soil Cleanup Objectives Residential Use ⁽²⁾	NYSDEC Soil Cleanup Objectives Unrestricted Use ⁽³⁾	L2156337-14	L2156730-09	L2156730-10	L2156730-11	L2156730-12	L2156730-13	L2156730-14	L2156730-15	L2156730-16
Sampling Date:				10/14/2021	10/15/2021	10/15/2021	10/15/2021	10/15/2021	10/15/2021	10/15/2021	10/15/2021	10/15/2021
Total Metals by USEPA Method 6010 in mg/kg												
Aluminum, Total	NS	NS	NS	5,780	5,520	6,750	6,180	7,930	6,140	7,780	7,320	6,390
Antimony, Total	NS	NS	NS	4.14 U	4.2 U	4.14 U	4.61 U	4.28 U	4.32 U	4.46 U	4.29 U	4.69 U
Arsenic, Total	16	16	13	3.49	24	5.94	23.8	9.31	25.5	4.82	41.8	20.8
Barium, Total	820	350	350	10.1	9.56	10.9	9.93	12.4	10	12.2	12.4	8.9
Beryllium, Total	47	14	7.2	0.141 J	0.109 J	0.133 J	0.129 J	0.188 J	0.147 J	0.214 J	0.18 J	0.16 J
Cadmium, Total	7.5	2.5	2.5	0.827 U	0.151 J	0.829 U	0.194 J	0.094 J	0.199 J	0.098 J	0.257 J	0.094 J
Calcium, Total	NS	NS	NS	95	481	204	454	225	368	145	595	374
Chromium, Total	NS	NS	NS	6.06	5.62	6.8	7.17	8.25	6.7	7.77	8.51	8.19
Cobalt, Total	NS	NS	NS	1.4 J	0.613 J	1.56 J	1.06 J	2.35	1.22 J	3.11	1.3 J	1.47 J
Copper, Total	1720	270	50	4.49	17.9	6.03	16.2	6.26	17.6	4.36	28.1	9.95
Iron, Total	NS	NS	NS	5,660	5,080	5,380	6,960	7,880	7,380	8,700	9,140	7,670
Lead, Total	450	400	63	3.36 J	7.81	3.73 J	8.07	5.24	9.26	4.34 J	12.5	5.12
Magnesium, Total	NS	NS	NS	565	334	699	463	812	502	905	520	624
Manganese, Total	2000	2000	1600	26.3	15.3	30.8	26.8	42.1	33.5	70.6	50.9	39.7
Mercury, Total	0.73	0.81	0.18	0.068 U	0.068 U	0.069 U	0.074 U	0.069 U	0.069 U	0.075 U	0.047 J	0.076 U
Nickel, Total	130	140	30	3.21	1.78 J	3.9	2.19 J	4.17	2.43	4.46	2.52	3.74
Potassium, Total	NS	NS	NS	134 J	132 J	137 J	186 J	173 J	146 J	178 J	221	150 J
Selenium, Total	4	36	3.9	1.65 U	1.68 U	0.265 J	1.84 U	0.394 J	1.73 U	0.392 J	1.72 U	0.526 J
Silver, Total	8.3	36	2	0.827 U	0.84 U	0.829 U	0.923 U	0.856 U	0.865 U	0.891 U	0.858 U	0.938 U
Sodium, Total	NS	NS	NS	21 J	17.1 J	22.8 J	17.4 J	24 J	16.2 J	28.3 J	16.1 J	24.8 J
Thallium, Total	NS	NS	NS	1.65 U	1.68 U	1.66 U	1.84 U	1.71 U	1.73 U	1.78 U	1.72 U	1.88 U
Vanadium, Total	NS	NS	NS	9.26	9.13	9.37	11.7	13.5	11.8	13.4	14.2	11.8
Zinc, Total	2480	2200	109	11.2	7.43	11.5	9.07	12.4	9.28	12.5	12	9.19

Notes:

(1) New York NYCRR Part 375 Groundwater Criteria, New York Protection of Groundwater Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, 12/06.

(2) New York NYCRR Part 375 Residential Criteria, New York Restricted use Criteria per 6 NYCRR Part 375 Environmental Remediation Programs,12/06.

(3) NYSDEC 6 NYCRR Environmental Remediation Programs Part 375 Unrestricted Use of Soil Cleanup Objective Table 375-6.8a 12/06

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Table 3
Soil Analytical for Total Metals
4285 Middle Country Rd,
Calverton, NY

Client Sample ID:				GRID P_0-2	GRID Q_0-2	GRID Q_18-24	GRID R_0-2	GRID S_0-2	GRID T_0-2	GRID U_0-2	GRID V_0-2	GRID W_0-2
Laboratory ID:	NYSDEC Protection of Ground water ⁽¹⁾	NYSDEC Soil Cleanup Objectives Residential Use ⁽²⁾	NYSDEC Soil Cleanup Objectives Unrestricted Use ⁽³⁾	L2155998-09	L2155998-11	L2155998-12	L2155998-13	L2155998-15	L2155998-17	L2156337-15	L2156337-17	L2156337-19
Sampling Date:				10/13/2021	10/13/2021	10/13/2021	10/13/2021	10/13/2021	10/13/2021	10/14/2021	10/14/2021	10/14/2021
Total Metals by USEPA Method 6010 in mg/kg												
Aluminum, Total	NS	NS	NS	4,190	5,060	7,520	3,780	4,470	2,460	4,930	7,600	7,240
Antimony, Total	NS	NS	NS	4.48 U	5.03 U	4.18 U	4.03 U	4.16 U	4.8 U	4.27 U	5.14 U	5.1 U
Arsenic, Total	16	16	13	10.2	18	17.6	11.4	12.3	5.83	9.86	7.87	10.4
Barium, Total	820	350	350	13.6	17.1	17.4	9.82	7.32	4.3	8.66	12.3	11
Beryllium, Total	47	14	7.2	0.125 J	0.151 J	0.192 J	0.105 J	0.117 J	0.058 J	0.128 J	0.175 J	0.184 J
Cadmium, Total	7.5	2.5	2.5	0.143 J	0.141 J	0.142 J	0.089 J	0.833 U	0.961 U	0.854 U	1.03 U	0.102 J
Calcium, Total	NS	NS	NS	490	514	403	430	296	170	96	98	121
Chromium, Total	NS	NS	NS	6.84	6.39	7.89	4.61	5.02	4.04	5.6	7.63	7.91
Cobalt, Total	NS	NS	NS	1.16 J	0.774 J	1.42 J	0.5 J	0.692 J	1.34 J	0.973 J	1.64 J	1.51 J
Copper, Total	1720	270	50	10.9	18.3	14.8	11.6	6.56	4.08	4.5	6	8.11
Iron, Total	NS	NS	NS	5,400	5,920	8,010	4,100	5,010	4,410	5,140	8,260	8,510
Lead, Total	450	400	63	58.4	20.6	14.1	12	7.76	5.26	4.27	6.39	6.63
Magnesium, Total	NS	NS	NS	424	332	554	255	334	189	360	530	481
Manganese, Total	2000	2000	1600	38.8	24.4	34.6	16.2	18	43.4	18.6	35.9	35.9
Mercury, Total	0.73	0.81	0.18	0.09 U	0.103	0.076 J	0.085 U	0.076 U	0.098 U	0.074 U	0.093 U	0.085 U
Nickel, Total	130	140	30	2.63	1.83 J	3.12	1.34 J	1.79 J	1.18 J	2.07 J	3.37	3.17
Potassium, Total	NS	NS	NS	120 J	129 J	152 J	88.6 J	99.9 J	65.5 J	100 J	145 J	146 J
Selenium, Total	4	36	3.9	1.79 U	2.01 U	1.67 U	0.209 J	1.67 U	1.92 U	1.71 U	2.06 U	2.04 U
Silver, Total	8.3	36	2	0.896 U	1 U	0.836 U	0.806 U	0.833 U	0.961 U	0.854 U	1.03 U	1.02 U
Sodium, Total	NS	NS	NS	46.8 J	24.2 J	39.9 J	14.2 J	15.4 J	12.9 J	11.4 J	12.5 J	13.9 J
Thallium, Total	NS	NS	NS	1.79 U	2.01 U	1.67 U	1.61 U	1.67 U	1.92 U	1.71 U	2.06 U	2.04 U
Vanadium, Total	NS	NS	NS	10.2	10.8	13.7	7.93	9.18	5.38	9.37	14.1	14.4
Zinc, Total	2480	2200	109	26.9	11.4	13.8	6.91	6.96	4.28 J	6.73	11.3	10.4

Notes:

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Table 3
Soil Analytical for Total Metals
4285 Middle Country Rd,
Calverton, NY

Client Sample ID:				GRID X_0-2	GRID Y_0-2	GRID Z_0-2	GRID AA_0-2	GRID AB_0-2	GRID AC_0-2	GRID AC_18-24	GRID AD_0-2	GRID AD_18-24
Laboratory ID:	NYSDEC Protection of Ground water ⁽¹⁾	NYSDEC Soil Cleanup Objectives Residential Use ⁽²⁾	NYSDEC Soil Cleanup Objectives Unrestricted Use ⁽³⁾	L2156337-21	L2156337-23	L2156730-17	L2156730-01	L2156730-03	L2156730-05	L2156730-06	L2156730-07	L2156730-08
Sampling Date:				10/14/2021	10/14/2021	10/15/2021	10/15/2021	10/15/2021	10/15/2021	10/15/2021	10/15/2021	10/15/2021
Total Metals by USEPA Method 6010 in mg/kg												
Aluminum, Total	NS	NS	NS	5,880	6,870	4,970	6,760	4,420	6,230	4,910	5,010	9,630
Antimony, Total	NS	NS	NS	3.91 U	4.17 U	3.94 U	4.4 U	4.18 U	4.16 U	4.97 U	4.24 U	4.22 U
Arsenic, Total	16	16	13	5.23	10.5	8.99	4.72	9.35	17.6	3.58	14.8	7.71
Barium, Total	820	350	350	11	12	8.05	13.6	26.5	12.2	16.6	33.2	34.9
Beryllium, Total	47	14	7.2	0.148 J	0.167 J	0.126 J	0.167 J	0.109 J	0.1 J	0.119 J	0.153 J	0.262 J
Cadmium, Total	7.5	2.5	2.5	0.078 J	0.092 J	0.142 J	0.167 J	0.217 J	0.141 J	0.995 U	0.331 J	0.194 J
Calcium, Total	NS	NS	NS	71	113	114	94	3,190	485	305	5,460	3,360
Chromium, Total	NS	NS	NS	6.83	7.22	5.56	7.34	6.12	6.44	6.07	8	11.6
Cobalt, Total	NS	NS	NS	2.27	2.34	1.45 J	2.52	1.7	0.99 J	1.8 J	2.2	3.8
Copper, Total	1720	270	50	5.5	9.71	7.91	5.34	11.9	10.5	4.84	19.1	12.6
Iron, Total	NS	NS	NS	6,640	7,350	6,040	7,370	6,480	6,190	6,170	7,720	10,900
Lead, Total	450	400	63	5.58	6.43	5.23	4.74	31.2	11.3	10	44.1	34.1
Magnesium, Total	NS	NS	NS	580	648	506	899	1,040	475	608	1,720	1,520
Manganese, Total	2000	2000	1600	53.8	52	36.5	49.2	79	23.7	31.9	86.1	97.8
Mercury, Total	0.73	0.81	0.18	0.068 U	0.076 U	0.066 U	0.072 U	0.086	0.068 U	0.08 U	0.083	0.062 J
Nickel, Total	130	140	30	3.47	3.75	2.42	4	4.18	2.35	3.19	5.45	8.07
Potassium, Total	NS	NS	NS	133 J	145 J	137 J	194 J	236	108 J	148 J	287	378
Selenium, Total	4	36	3.9	1.56 U	1.67 U	1.57 U	1.76 U	1.67 U	1.66 U	1.99 U	1.7 U	0.6 J
Silver, Total	8.3	36	2	0.782 U	0.834 U	0.787 U	0.88 U	0.836 U	0.832 U	0.995 U	0.849 U	0.845 U
Sodium, Total	NS	NS	NS	10.8 J	12.1 J	11 J	19.5 J	34 J	19 J	24.5 J	116 J	45.5 J
Thallium, Total	NS	NS	NS	1.56 U	1.67 U	1.57 U	1.76 U	1.67 U	1.66 U	1.99 U	1.7 U	1.69 U
Vanadium, Total	NS	NS	NS	11.3	12.8	8.72	12.1	10.1	10.5	9.99	11.9	17.9
Zinc, Total	2480	2200	109	11	11.9	7.79	11.1	25.5	9.64	13.2	40	36.6

Notes:

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Table 4
Soil Analytical for Pesticides, PCBs and Herbicides
4285 Middle Country Rd,
Calverton, NY

Client Sample ID:	NYSDEC Protection of Ground water ⁽¹⁾	NYSDEC Soil Cleanup Objectives Residential Use ⁽²⁾	NYSDEC Soil Cleanup Objectives Unrestricted Use ⁽³⁾	SB001_0-2	SB002_3-5	SB003_2-4	SB004_4-6	SB005_1-3	SB006_2-4	SB007_5-7	SB008_6-8	SB009_2-4	SB010_6-8	GRID A_0-2	GRID A_18-24
Laboratory ID:				L2155380-01	L2155380-02	L2155380-03	L2155380-04	L2155380-05	L2155380-06	L2155380-07	L2155380-08	L2155380-09	L2155380-10	L2155998-01	L2155998-02
Sampling Date:				10/11/2021	10/11/2021	10/11/2021	10/11/2021	10/11/2021	10/11/2021	10/11/2021	10/11/2021	10/11/2021	10/11/2021	10/13/2021	10/13/2021
Organochlorine Pesticides by USEPA Method 8081 in mg/kg															
4,4'-DDD	14	2.6	0.0033	0.0025	0.00158 U	0.00172 U	0.00128 J	0.00309	0.00165 U	0.00158 U	0.0018 U	0.0513	0.249 P	0.0555	0.00779
4,4'-DDE	17	1.8	0.0033	0.0873	0.00158 U	0.00354	0.0465	0.108	0.00689	0.00235	0.0018 U	0.243	0.157 P	0.562	0.335
4,4'-DDT	136	1.7	0.0033	0.233	0.00297 U	0.00265 J	0.0896	0.131	0.013	0.00587	0.00337 U	0.203	0.196 P	1.57	0.404
Aldrin	0.19	0.019	0.005	0.00169 U	0.00158 U	0.00172 U	0.00165 U	0.0017 U	0.00165 U	0.00158 U	0.0018 U	0.00172 U	0.00466 JP	0.00185 U	0.0049 U
Alpha-BHC	0.02	0.097	0.02	0.000703 U	0.00066 U	0.000718 U	0.000689 U	0.000709 U	0.000688 U	0.00066 U	0.000748 U	0.000718 U	0.00348 U	0.000773 U	0.00204 U
Beta-BHC	0.09	0.072	0.036	0.00169 U	0.00158 U	0.00172 U	0.00165 U	0.0017 U	0.00165 U	0.00158 U	0.0018 U	0.00172 U	0.00836 U	0.00185 U	0.0049 U
Chlordane	NS	NS	NS	0.0141 U	0.0132 U	0.0144 U	0.0138 U	0.0142 U	0.0138 U	0.0132 U	0.015 U	0.131 P	0.0697 U	0.0154 U	0.0408 U
cis-Chlordane	2.9	0.91	0.1	0.00211 U	0.00198 U	0.00215 U	0.00207 U	0.00213 U	0.00206 U	0.00198 U	0.00224 U	0.0226	0.0258 P	0.00232 U	0.00612 U
Delta-BHC	0.25	100	0.04	0.00169 U	0.00158 U	0.00172 U	0.00165 U	0.0017 U	0.00165 U	0.00158 U	0.0018 U	0.00172 U	0.00836 U	0.00185 U	0.0049 U
Dieldrin	0.1	0.039	0.005	0.00969	0.00099 U	0.00108 U	0.00228	0.00888	0.000844 J	0.000991 U	0.00112 U	0.0233	0.0327 P	0.0559	0.0579
Endosulfan I	102.0	4.8	2.4	0.00169 U	0.00158 U	0.00172 U	0.00165 U	0.0017 U	0.00165 U	0.00158 U	0.0018 U	0.00172 U	0.00836 U	0.00185 U	0.0049 U
Endosulfan II	102.0	4.8	2.4	0.00126 J	0.00158 U	0.00172 U	0.00116 JP	0.000642 J	0.00165 U	0.00158 U	0.0018 U	0.00172 U	0.00836 U	0.00729	0.00216 J
Endosulfan sulfate	1,000.0	4.8	2.4	0.00493	0.00066 U	0.000718 U	0.00303	0.0044	0.000725 P	0.00066 U	0.000748 U	0.00248 IP	0.0462 P	0.0319	0.00286
Endrin	0.06	2.2	0.014	0.00113	0.00066 U	0.000718 U	0.000712 P	0.000865	0.000688 U	0.00066 U	0.000748 U	0.000718 U	0.00348 U	0.00419	0.0014 J
Endrin aldehyde	NS	NS	NS	0.00211 U	0.00198 U	0.00215 U	0.00207 U	0.00213 U	0.00206 U	0.00198 U	0.00224 U	0.00215 U	0.0104 U	0.00232 U	0.00612 U
Endrin ketone	NS	NS	NS	0.00169 U	0.00127 JIP	0.00195 IP	0.00256 IP	0.00255 IP	0.00101 JIP	0.000894 JIP	0.00126 JIP	0.00172 U	0.00469 JP	0.00185 U	0.0049 U
Heptachlor	0.38	0.42	0.042	0.000844 U	0.000792 U	0.000861 U	0.000827 U	0.000851 U	0.000825 U	0.000793 U	0.000898 U	0.000863	0.00418 U	0.000927 U	0.00245 U
Heptachlor epoxide	NS	NS	NS	0.00316 U	0.00297 U	0.00323 U	0.0031 U	0.00319 U	0.00309 U	0.00297 U	0.00337 U	0.00205 JIP	0.0157 U	0.00348 U	0.00918 U
Lindane	0.1	0.28	0.1	0.000703 U	0.00066 U	0.000718 U	0.000689 U	0.000709 U	0.000688 U	0.00066 U	0.000748 U	0.000718 U	0.00348 U	0.000773 U	0.00204 U
Methoxychlor	NS	NS	NS	0.00188 JIP	0.00297 U	0.00323 U	0.0031 U	0.00319 U	0.00309 U	0.00297 U	0.00337 U	0.00323 U	0.0157 U	0.00348 U	0.00967
Toxaphene	NS	NS	NS	0.0316 U	0.0297 U	0.0323 U	0.031 U	0.0319 U	0.0309 U	0.0297 U	0.0337 U	0.0323 U	0.157 U	0.0348 U	0.0918 U
trans-Chlordane	NS	NS	NS	0.00129 JP	0.00198 U	0.00215 U	0.00207 U	0.00213 U	0.00206 U	0.00198 U	0.00224 U	0.0212	0.0224 P	0.00232 U	0.00612 U
Polychlorinated Biphenyls by USEPA Method 8082 in mg/kg															
Aroclor 1016	0.1	0.1	1	0.0352 U	0.0324 U	0.0356 U	0.0344 U	0.0357 U	0.0356 U	0.0334 U	0.039 U	0.0357 U	0.0354 U	0.0394 U	
Aroclor 1221	0.1	0.1	1	0.0352 U	0.0324 U	0.0356 U	0.0344 U	0.0357 U	0.0356 U	0.0334 U	0.039 U	0.0357 U	0.0354 U	0.0394 U	
Aroclor 1232	0.1	0.1	1	0.0352 U	0.0324 U	0.0356 U	0.0344 U	0.0357 U	0.0356 U	0.0334 U	0.039 U	0.0357 U	0.0354 U	0.0394 U	
Aroclor 1242	0.1	0.1	1	0.0352 U	0.0324 U	0.0356 U	0.0344 U	0.0357 U	0.0356 U	0.0334 U	0.039 U	0.0357 U	0.0354 U	0.0394 U	
Aroclor 1248	0.1	0.1	1	0.0352 U	0.0324 U	0.0356 U	0.0344 U	0.0357 U	0.0356 U	0.0334 U	0.039 U	0.0357 U	0.0354 U	0.0394 U	
Aroclor 1254	0.1	0.1	1	0.0352 U	0.0324 U	0.0356 U	0.0344 U	0.0357 U	0.0356 U	0.0334 U	0.039 U	0.0357 U	0.0354 U	0.0394 U	
Aroclor 1260	0.1	0.1	1	0.0352 U	0.0324 U	0.0356 U	0.0344 U	0.0357 U	0.0356 U	0.0334 U	0.039 U	0.077	0.0354 U	0.0394 U	
Aroclor 1262	0.1	0.1	1	0.0352 U	0.0324 U	0.0356 U	0.0344 U	0.0357 U	0.0356 U	0.0334 U	0.039 U	0.0357 U	0.0354 U	0.0394 U	
Aroclor 1268	0.1	0.1	1	0.0352 U	0.0324 U	0.0356 U	0.0344 U	0.0357 U	0.0356 U	0.0334 U	0.039 U	0.0357 U	0.0221 J	0.0394 U	
PCBs, Total	0.1	0.1	1	0.0352 U	0.0324 U	0.0356 U	0.0344 U	0.0357 U	0.0356 U	0.0334 U	0.039 U	0.077	0.0221 J	0.0394 U	
Chlorinated Herbicides by GC in mg/kg															
2,4,5-T	0.1	0.1	1	0.174 U	0.17 U	0.186 U	0.169 U	0.181 U	0.178 U	0.166 U	0.198 U	0.182 U	0.181 U	0.198 U	
2,4,5-TP (Silvex)	0.1	0.1	1	0.174 U	0.17 U	0.186 U	0.169 U	0.181 U	0.178 U	0.166 U	0.198 U	0.182 U	0.181 U	0.198 U	
2,4-D	0.1	0.1	1	0.174 U	0.17 U	0.186 U	0.169 U	0.181 U	0.178 U	0.166 U	0.198 U	0.182 U	0.181 U	0.198 U	

Notes:

(1) New York NYCRR Part 375 Groundwater Criteria, New York Restricted use Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, 12/06.

(2) New York NYCRR Part 375 Residential Criteria, New York Restricted use Criteria per 6 NYCRR Part 375 Environmental Remediation Programs,12/06.

(3) NYSDEC 6 NYCRR Environmental Remediation Programs Part 375 Unrestricted Use of Soil Cleanup Objective Table 375-6.8a 12/06

NS - No Standard

I - The lower value for the two columns has been reported due to obvious interference.

P- The RPD between the results for the two columns exceeds the method-specified criteria.

U - The analyte was analyzed for, but was not detected above the reported sample quantification limit.

J - The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

Highlighted text denotes concentrations exceeding NYSDEC Protection of Groundwater Use SCO

Highlighted text denotes concentrations exceeding NYSDEC Residential Use SCO

Highlighted text denotes concentrations exceeding NYSDEC Unrestricted Use SCO

Table 4
Soil Analytical for Pesticides, PCBs and Herbicides
4285 Middle Country Rd,
Calverton, NY

Client Sample ID:	NYSDEC Protection of Ground water ⁽¹⁾	NYSDEC Soil Cleanup Objectives Residential Use ⁽²⁾	NYSDEC Soil Cleanup Objectives Unrestricted Use ⁽³⁾	GRID B_0-2	GRID B_18-24	GRID C_0-2	GRID C_18-24	GRID D_0-2	GRID D_18-24	GRID E_0-2	GRID F_0-2	GRID F_18-24	GRID G_0-2	GRID G_18-24	GRID H_0-2
Laboratory ID:				L2155998-03	L2155998-04	L2155998-05	L2155998-06	L2155998-07	L2155998-08	L2156337-01	L2156337-03	L2156337-04	L2156337-05	L2156337-06	L2156337-07
Sampling Date:				10/13/2021	10/13/2021	10/13/2021	10/13/2021	10/13/2021	10/13/2021	10/14/2021	10/14/2021	10/14/2021	10/14/2021	10/14/2021	10/14/2021
Organochlorine Pesticides by USEPA Method 8081 in mg/kg															
4,4'-DDD	14	2.6	0.0033	0.0897	0.116	0.00546	0.00422 J	0.00195 U	0.00165 U	0.00205 U	0.00151 J	0.00192 U	0.00164 U	0.00174 U	0.00683
4,4'-DDE	17	1.8	0.0033	0.401	0.367	0.449	0.147	0.0333	0.00334	0.00205 U	0.0683	0.0191	0.0662	0.0126	0.4
4,4'-DDT	136	1.7	0.0033	0.343	0.744	0.681	0.247	0.0328	0.00277 J	0.00384 U	0.0872	0.0266	0.0882	0.017	0.793
Aldrin	0.19	0.019	0.005	0.0021 U	0.00456 U	0.00186 U	0.00556 U	0.00195 U	0.00165 U	0.00205 U	0.00159 U	0.00192 U	0.00164 U	0.00174 U	0.0017 U
Alpha-BHC	0.02	0.097	0.02	0.000873 U	0.0019 U	0.000775 U	0.00231 U	0.000812 U	0.000686 U	0.000853 U	0.000663 U	0.000802 U	0.000685 U	0.000725 U	0.000708 U
Beta-BHC	0.09	0.072	0.036	0.0021 U	0.00456 U	0.00186 U	0.00556 U	0.00195 U	0.00165 U	0.00205 U	0.00159 U	0.00192 U	0.00164 U	0.00174 U	0.0017 U
Chlordane	NS	NS	NS	0.0175 U	0.038 U	0.0155 U	0.0463 U	0.0162 U	0.0137 U	0.017 U	0.0132 U	0.016 U	0.0137 U	0.0145 U	0.0142 U
cis-Chlordane	2.9	0.91	0.1	0.00262 U	0.00571 U	0.00232 U	0.00694 U	0.00244 U	0.00206 U	0.00256 U	0.00199 U	0.0024 U	0.00205 U	0.00218 U	0.00212 U
Delta-BHC	0.25	100	0.04	0.0021 U	0.00456 U	0.00186 U	0.00556 U	0.00195 U	0.00165 U	0.00205 U	0.00159 U	0.00192 U	0.00164 U	0.00174 U	0.0017 U
Dieldrin	0.1	0.039	0.005	0.0461	0.0616	0.0167	0.00844	0.00272	0.00103 U	0.00128 U	0.00382	0.00098 J	0.00398 P	0.000687 J	0.0521
Endosulfan I	102.0	4.8	2.4	0.0021 U	0.00456 U	0.00186 U	0.00556 U	0.00195 U	0.00165 U	0.00205 U	0.00159 U	0.00192 U	0.00164 U	0.00174 U	0.0017 U
Endosulfan II	102.0	4.8	2.4	0.0021 U	0.00371 J	0.00318	0.0027 JP	0.00195 U	0.00165 U	0.00205 U	0.00159 U	0.00086 J	0.00164 U	0.00174 U	0.0017 U
Endosulfan sulfate	1,000.0	4.8	2.4	0.00653	0.0214	0.0142	0.00476	0.00197	0.000686 U	0.000853 U	0.000663 U	0.00193	0.000685 U	0.000541 JIP	0.000708 U
Endrin	0.06	2.2	0.014	0.00153	0.00348	0.000896	0.00231 U	0.000812 U	0.000686 U	0.000853 U	0.000663 U	0.000802 U	0.000685 U	0.000725 U	0.000708 U
Endrin aldehyde	NS	NS	NS	0.00262 U	0.00571 U	0.00232 U	0.00694 U	0.00244 U	0.00206 U	0.00256 U	0.00199 U	0.0024 U	0.00205 U	0.00218 U	0.00212 U
Endrin ketone	NS	NS	NS	0.00707 IP	0.00826 IP	0.0104 IP	0.00556 U	0.000777 JIP	0.00165 U	0.00205 U	0.00159 U	0.00192 U	0.00164 U	0.00174 U	0.0017 U
Heptachlor	0.38	0.42	0.042	0.00105 U	0.00228 U	0.00093 U	0.00278 U	0.000975 U	0.000823 U	0.00102 U	0.000795 U	0.000962 U	0.000822 U	0.00087 U	0.000849 U
Heptachlor epoxide	NS	NS	NS	0.00393 U	0.00856 U	0.00349 U	0.0104 U	0.00366 U	0.00309 U	0.00384 U	0.00298 U	0.00361 U	0.00308 U	0.00326 U	0.00318 U
Lindane	0.1	0.28	0.1	0.000873 U	0.0019 U	0.000775 U	0.00231 U	0.000812 U	0.000686 U	0.000853 U	0.000663 U	0.000802 U	0.000685 U	0.000725 U	0.000708 U
Methoxychlor	NS	NS	NS	0.00393 U	0.0169	0.00349 U	0.00538 JP	0.00366 U	0.00309 U	0.00384 U	0.00298 U	0.00361 U	0.00308 U	0.00326 U	0.00318 U
Toxaphene	NS	NS	NS	0.0393 U	0.0856 U	0.0349 U	0.104 U	0.0366 U	0.0309 U	0.0384 U	0.0298 U	0.0361 U	0.0308 U	0.0326 U	0.0318 U
trans-Chlordane	NS	NS	NS	0.00262 U	0.00571 U	0.00232 U	0.00694 U	0.00244 U	0.00206 U	0.00256 U	0.00199 U	0.0024 U	0.00205 U	0.00218 U	0.00212 U
Polychlorinated Biphenyls by USEPA Method 8082 in mg/kg															
Aroclor 1016	0.1	0.1	1								0.0327 U				
Aroclor 1221	0.1	0.1	1								0.0327 U				
Aroclor 1232	0.1	0.1	1								0.0327 U				
Aroclor 1242	0.1	0.1	1								0.0327 U				
Aroclor 1248	0.1	0.1	1								0.0327 U				
Aroclor 1254	0.1	0.1	1								0.0327 U				
Aroclor 1260	0.1	0.1	1								0.0327 U				
Aroclor 1262	0.1	0.1	1								0.0327 U				
Aroclor 1268	0.1	0.1	1								0.0327 U				
PCBs, Total	0.1	0.1	1								0.0327 U				
Chlorinated Herbicides by GC in mg/kg															
2,4,5-T	0.1	0.1	1								0.167 U				
2,4,5-TP (Silvex)	0.1	0.1	1								0.167 U				
2,4-D	0.1	0.1	1								0.167 U				

Notes:
(1) New York NYCRR Part 375 Groundwater Criteria, New York Restricted use Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, 12/06.
(2) New York NYCRR Part 375 Residential Criteria, New York Restricted use Criteria per 6 NYCRR Part 375 Environmental Remediation Programs,12/06.
(3) NYSDEC 6 NYCRR Environmental Remediation Programs Part 375 Unrestricted Use of Soil Cleanup Objective Table 375-6.8a 12/06
NS - No Standard
I - The lower value for the two columns has been reported due to obvious interference.
P- The RPD between the results for the two columns exceeds the method-specified criteria
U - The analyte was analyzed for, but was not detected above the reported sample quantification limit.
J - The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
Highlighted text denotes concentrations exceeding NYSDEC Protection of Groundwater Use
Highlighted text denotes concentrations exceeding NYSDEC Residential Use SCO
Highlighted text denotes concentrations exceeding NYSDEC Unrestricted Use SCO

Table 4
Soil Analytical for Pesticides, PCBs and Herbicides
4285 Middle Country Rd,
Calverton, NY

Client Sample ID:	NYSDEC Protection of Ground water ⁽¹⁾	NYSDEC Soil Cleanup Objectives Residential Use ⁽²⁾	NYSDEC Soil Cleanup Objectives Unrestricted Use ⁽³⁾	GRID H_18-24	GRID I_0-2	GRID I_18-24	GRID J_0-2	GRID J_18-24	GRID K_0-2	GRID K_18-24	GRID L_0-2	GRID L_18-24	GRID M_0-2	GRID M_18-24	GRID N_0-2
Laboratory ID:				L2156337-08	L2156337-09	L2156337-10	L2156337-11	L2156337-12	L2156337-13	L2156730-09	L2156730-09	L2156730-10	L2156730-11	L2156730-12	L2156730-13
Sampling Date:				10/14/2021	10/14/2021	10/14/2021	10/14/2021	10/14/2021	10/14/2021	10/15/2021	10/15/2021	10/15/2021	10/15/2021	10/15/2021	10/15/2021
Organochlorine Pesticides by USEPA Method 8081 in mg/kg															
4,4'-DDD	14	2.6	0.0033	0.00121 JIP	0.00888	0.00083 J	0.0056	0.00164 U	0.00979	0.00163 U	0.0071	0.00164 U	0.00503	0.000952 J	0.00633
4,4'-DDE	17	1.8	0.0033	0.132	0.269	0.0554	0.272	0.0111	0.378	0.0106	0.396	0.0119	0.358	0.0657	0.386
4,4'-DDT	136	1.7	0.0033	0.315	0.427	0.0983	0.502	0.0192	0.764	0.0213	0.735	0.023	0.641	0.123	0.618
Aldrin	0.19	0.019	0.005	0.00171 U	0.00171 U	0.00167 U	0.00165 U	0.00164 U	0.0017 U	0.00163 U	0.00164 U	0.00164 U	0.00188 U	0.00164 U	0.00174 U
Alpha-BHC	0.02	0.097	0.02	0.000713 U	0.000714 U	0.000696 U	0.000686 U	0.000682 U	0.000708 U	0.00068 U	0.000684 U	0.000685 U	0.000784 U	0.000685 U	0.000723 U
Beta-BHC	0.09	0.072	0.036	0.00171 U	0.00171 U	0.00167 U	0.00165 U	0.00164 U	0.0017 U	0.00163 U	0.00164 U	0.00164 U	0.00188 U	0.00164 U	0.00174 U
Chlordane	NS	NS	NS	0.0142 U	0.0143 U	0.0139 U	0.0137 U	0.0136 U	0.0142 U	0.0136 U	0.0137 U	0.0137 U	0.0157 U	0.0137 U	0.0145 U
cis-Chlordane	2.9	0.91	0.1	0.00214 U	0.00214 U	0.00209 U	0.00206 U	0.00204 U	0.00212 U	0.00204 U	0.00205 U	0.00206 U	0.00235 U	0.00206 U	0.000773 JIP
Delta-BHC	0.25	100	0.04	0.00171 U	0.00171 U	0.00167 U	0.00165 U	0.00164 U	0.0017 U	0.00163 U	0.00164 U	0.00164 U	0.00188 U	0.00164 U	0.00174 U
Dieldrin	0.1	0.039	0.005	0.016	0.0253	0.00331	0.0202	0.000595 J	0.03	0.000768 J	0.021	0.000696 J	0.0204	0.0034	0.017
Endosulfan I	102.0	4.8	2.4	0.00171 U	0.00171 U	0.00167 U	0.00165 U	0.00164 U	0.0017 U	0.00163 U	0.00164 U	0.00164 U	0.00188 U	0.00164 U	0.00174 U
Endosulfan II	102.0	4.8	2.4	0.00194	0.00171 U	0.000823 J	0.00165 U	0.00164 U	0.0017 U	0.00163 U	0.00951	0.00164 U	0.0117	0.00164 U	0.0086
Endosulfan sulfate	1,000.0	4.8	2.4	0.00959	0.000714 U	0.00353	0.000686 U	0.000682 U	0.000708 U	0.000687 IP	0.000684 U	0.00076 IP	0.000784 U	0.00633	0.000723 U
Endrin	0.06	2.2	0.014	0.000386 JIP	0.000714 U	0.000696 U	0.000686 U	0.000682 U	0.000708 U	0.00068 U	0.000684 U	0.000685 U	0.000784 U	0.000685 U	0.000723 U
Endrin aldehyde	NS	NS	NS	0.00214 U	0.00214 U	0.00209 U	0.00206 U	0.00204 U	0.00212 U	0.00204 U	0.00205 U	0.00206 U	0.00235 U	0.00206 U	0.00217 U
Endrin ketone	NS	NS	NS	0.00171 U	0.00171 U	0.00167 U	0.00165 U	0.00164 U	0.0017 U	0.00163 U	0.00164 U	0.00164 U	0.00188 U	0.00164 U	0.00174 U
Heptachlor	0.38	0.42	0.042	0.000855 U	0.000857 U	0.000835 U	0.000824 U	0.000818 U	0.00085 U	0.000816 U	0.00082 U	0.000822 U	0.000941 U	0.000822 U	0.000868 U
Heptachlor epoxide	NS	NS	NS	0.00321 U	0.00321 U	0.00313 U	0.00309 U	0.00307 U	0.00318 U	0.00306 U	0.00308 U	0.00308 U	0.00353 U	0.00308 U	0.00325 U
Lindane	0.1	0.28	0.1	0.000713 U	0.000714 U	0.000696 U	0.000686 U	0.000682 U	0.000708 U	0.00068 U	0.000684 U	0.000685 U	0.000784 U	0.000685 U	0.000723 U
Methoxychlor	NS	NS	NS	0.00101 JIP	0.00321 U	0.00313 U	0.00309 U	0.00307 U	0.00318 U	0.00306 U	0.00308 U	0.00308 U	0.00353 U	0.00128 JIP	0.00325 U
Toxaphene	NS	NS	NS	0.0321 U	0.0321 U	0.0313 U	0.0309 U	0.0307 U	0.0318 U	0.0306 U	0.0308 U	0.0308 U	0.0353 U	0.0308 U	0.0325 U
trans-Chlordane	NS	NS	NS	0.00214 U	0.00214 U	0.00209 U	0.00206 U	0.00204 U	0.00212 U	0.00204 U	0.00205 U	0.00206 U	0.00235 U	0.00206 U	0.00118 JIP
Polychlorinated Biphenyls by USEPA Method 8082 in mg/kg															
Aroclor 1016	0.1	0.1	1								0.0344 U				
Aroclor 1221	0.1	0.1	1								0.0344 U				
Aroclor 1232	0.1	0.1	1								0.0344 U				
Aroclor 1242	0.1	0.1	1								0.0344 U				
Aroclor 1248	0.1	0.1	1								0.0344 U				
Aroclor 1254	0.1	0.1	1								0.0344 U				
Aroclor 1260	0.1	0.1	1								0.0344 U				
Aroclor 1262	0.1	0.1	1								0.0344 U				
Aroclor 1268	0.1	0.1	1								0.0344 U				
PCBs, Total	0.1	0.1	1								0.0344 U				
Chlorinated Herbicides by GC in mg/kg															
2,4,5-T	0.1	0.1	1								0.178 U				
2,4,5-TP (Silvex)	0.1	0.1	1								0.178 U				
2,4-D	0.1	0.1	1								0.178 U				

Notes:
(1) New York NYCRR Part 375 Groundwater Criteria, New York Restricted use Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, 12/06.
(2) New York NYCRR Part 375 Residential Criteria, New York Restricted use Criteria per 6 NYCRR Part 375 Environmental Remediation Programs,12/06.
(3) NYSDEC 6 NYCRR Environmental Remediation Programs Part 375 Unrestricted Use of Soil Cleanup Objective Table 375-6.8a 12/06
NS - No Standard
I - The lower value for the two columns has been reported due to obvious interference.
P- The RPD between the results for the two columns exceeds the method-specified criteria
U - The analyte was analyzed for, but was not detected above the reported sample quantification limit.
J - The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
Highlighted text denotes concentrations exceeding NYSDEC Protection of Groundwater Use
Highlighted text denotes concentrations exceeding NYSDEC Residential Use SCO
Highlighted text denotes concentrations exceeding NYSDEC Unrestricted Use SCO

Table 4
Soil Analytical for Pesticides, PCBs and Herbicides
4285 Middle Country Rd,
Calverton, NY

Client Sample ID:	NYSDEC Protection of Ground water ⁽¹⁾	NYSDEC Soil Cleanup Objectives Residential Use ⁽²⁾	NYSDEC Soil Cleanup Objectives Unrestricted Use ⁽³⁾	GRID N_18-24	GRID O_0-2	GRID O_18-24	GRID P_18-24	GRID Q_0-2	GRID Q_18-24	GRID R_0-2	GRID R_18-24	GRID S_0-2	GRID S_18-24	GRID T_0-2	GRID T_18-24
Laboratory ID:				L2156730-14	L2156730-15	L2156730-16	L2155998-10	L2155998-11	L2155998-12	L2155998-13	L2155998-14	L2155998-15	L2155998-16	L2155998-17	L2155998-18
Sampling Date:				10/15/2021	10/15/2021	10/15/2021	10/13/2021	10/13/2021	10/13/2021	10/13/2021	10/13/2021	10/13/2021	10/13/2021	10/13/2021	10/13/2021
Organochlorine Pesticides by USEPA Method 8081 in mg/kg															
4,4'-DDD	14	2.6	0.0033	0.00181 U	0.0153	0.00117 JIP	0.00164 U	0.0104 P	0.00302	0.00401	0.00308	0.00206 P	0.0016 U	0.00347	0.00233
4,4'-DDE	17	1.8	0.0033	0.0189	0.758	0.0712 IP	0.0142	0.276	0.0871	0.242	0.13	0.0533	0.0132	0.0638	0.0668
4,4'-DDT	136	1.7	0.0033	0.0341	1.55	0.254	0.0166	0.799	0.172	0.459	0.209	0.107	0.0222	0.122	0.127
Aldrin	0.19	0.019	0.005	0.00181 U	0.00177 U	0.0019 U	0.00164 U	0.00199 U	0.00172 U	0.00167 U	0.00165 U	0.00166 U	0.0016 U	0.00187 U	0.00161 U
Alpha-BHC	0.02	0.097	0.02	0.000753 U	0.000737 U	0.000793 U	0.000685 U	0.00083 U	0.000715 U	0.000698 U	0.000686 U	0.000692 U	0.000667 U	0.00078 U	0.000671 U
Beta-BHC	0.09	0.072	0.036	0.00181 U	0.00177 U	0.0019 U	0.00164 U	0.00199 U	0.00172 U	0.00167 U	0.00165 U	0.00166 U	0.0016 U	0.00187 U	0.00161 U
Chlordane	NS	NS	NS	0.0151 U	0.0147 U	0.0158 U	0.0137 U	0.0166 U	0.0143 U	0.014 U	0.0137 U	0.0138 U	0.0133 U	0.0156 U	0.0134 U
cis-Chlordane	2.9	0.91	0.1	0.00226 U	0.00221 U	0.00238 U	0.00206 U	0.00249 U	0.00214 U	0.00209 U	0.00206 U	0.00208 U	0.002 U	0.00234 U	0.00201 U
Delta-BHC	0.25	100	0.04	0.00181 U	0.00177 U	0.0019 U	0.00164 U	0.00199 U	0.00172 U	0.00167 U	0.00165 U	0.00166 U	0.0016 U	0.00187 U	0.00161 U
Dieldrin	0.1	0.039	0.005	0.000958 J	0.0428	0.00687	0.000744 J	0.0261	0.00809	0.00969	0.00438	0.00269	0.000902 J	0.0029	0.00356
Endosulfan I	102.0	4.8	2.4	0.00181 U	0.00177 U	0.000493 JIP	0.00164 U	0.00199 U	0.00172 U	0.00364 P	0.00165 U	0.00166 U	0.0016 U	0.00187 U	0.00161 U
Endosulfan II	102.0	4.8	2.4	0.00181 U	0.015	0.00197	0.00164 U	0.00196 J	0.00213	0.00693	0.00338	0.00172 P	0.0016 U	0.00253	0.00249
Endosulfan sulfate	1,000.0	4.8	2.4	0.000837 IP	0.000737 U	0.00874	0.000685 U	0.0101	0.00471	0.0168	0.00779	0.00395	0.000915	0.00342	0.00519
Endrin	0.06	2.2	0.014	0.000753 U	0.000737 U	0.000793 U	0.000485 J	0.00224	0.00113 P	0.00102	0.000792	0.000692 U	0.000667 U	0.00078 U	0.000293 JP
Endrin aldehyde	NS	NS	NS	0.00226 U	0.00221 U	0.00238 U	0.00206 U	0.00249 U	0.00214 U	0.00209 U	0.00206 U	0.00208 U	0.002 U	0.00234 U	0.00201 U
Endrin ketone	NS	NS	NS	0.00181 U	0.00177 U	0.0019 U	0.00164 U	0.00602 IP	0.00172 U	0.00967 IP	0.00165 U	0.00284 IP	0.0016 U	0.0025 IP	0.00161 U
Heptachlor	0.38	0.42	0.042	0.000904 U	0.000885 U	0.000951 U	0.000822 U	0.000996 U	0.000858 U	0.000837 U	0.000823 U	0.000831 U	0.0008 U	0.000936 U	0.000805 U
Heptachlor epoxide	NS	NS	NS	0.00339 U	0.00332 U	0.00357 U	0.00308 U	0.00374 U	0.00322 U	0.00314 U	0.00309 U	0.00312 U	0.003 U	0.00351 U	0.00302 U
Lindane	0.1	0.28	0.1	0.000753 U	0.000737 U	0.000793 U	0.000685 U	0.00083 U	0.000715 U	0.000698 U	0.000686 U	0.000692 U	0.000667 U	0.00078 U	0.000671 U
Methoxychlor	NS	NS	NS	0.00339 U	0.00332 U	0.00178 JIP	0.00154 J	0.00374 U	0.00425 P	0.00314 U	0.0059 P	0.00312 U	0.003 U	0.00351 U	0.00421 P
Toxaphene	NS	NS	NS	0.0339 U	0.0332 U	0.0357 U	0.0308 U	0.0374 U	0.0322 U	0.0314 U	0.0309 U	0.0312 U	0.03 U	0.0351 U	0.0302 U
trans-Chlordane	NS	NS	NS	0.00226 U	0.00108 JIP	0.00238 U	0.00206 U	0.00249 U	0.00214 U	0.00209 U	0.00206 U	0.00208 U	0.002 U	0.00234 U	0.00201 U
Polychlorinated Biphenyls by USEPA Method 8082 in mg/kg															
Aroclor 1016	0.1	0.1	1												
Aroclor 1221	0.1	0.1	1												
Aroclor 1232	0.1	0.1	1												
Aroclor 1242	0.1	0.1	1												
Aroclor 1248	0.1	0.1	1												
Aroclor 1254	0.1	0.1	1												
Aroclor 1260	0.1	0.1	1												
Aroclor 1262	0.1	0.1	1												
Aroclor 1268	0.1	0.1	1												
PCBs, Total	0.1	0.1	1												
Chlorinated Herbicides by GC in mg/kg															
2,4,5-T	0.1	0.1	1							0.173 U					
2,4,5-TP (Silvex)	0.1	0.1	1							0.173 U					
2,4-D	0.1	0.1	1							0.173 U					

Notes:

(1) New York NYCRR Part 375 Groundwater Criteria, New York Restricted use Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, 12/06.

(2) New York NYCRR Part 375 Residential Criteria, New York Restricted use Criteria per 6 NYCRR Part 375 Environmental Remediation Programs,12/06.

(3) NYSDEC 6 NYCRR Environmental Remediation Programs Part 375 Unrestricted Use of Soil Cleanup Objective Table 375-6.8a 12/06

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Highlighted text denotes concentrations exceeding NYSDEC Protection of Groundwater Use

Highlighted text denotes concentrations exceeding NYSDEC Residential Use SCO

Highlighted text denotes concentrations exceeding NYSDEC Unrestricted Use SCO

Table 4
Soil Analytical for Pesticides, PCBs and Herbicides
4285 Middle Country Rd,
Calverton, NY

Client Sample ID:	NYSDEC Protection of Ground water ⁽¹⁾	NYSDEC Soil Cleanup Objectives Residential Use ⁽²⁾	NYSDEC Soil Cleanup Objectives Unrestricted Use ⁽³⁾	GRID U_0-2	GRID U_18-24	GRID V_0-2	GRID V_18-24	GRID W_0-2	GRID W_18-24	GRID X_0-2	GRID X_18-24	GRID Y_0-2	GRID Y_18-24	GRID Z_0-2	GRID Z_18-24
Laboratory ID:				L2156337-15	L2156337-16	L2156337-17	L2156337-18	L2156337-19	L2156337-20	L2156337-21	L2156337-22	L2156337-23	L2156337-24	L2156730-17	L2156730-18
Sampling Date:				10/14/2021	10/14/2021	10/14/2021	10/14/2021	10/14/2021	10/14/2021	10/14/2021	10/14/2021	10/14/2021	10/14/2021	10/15/2021	10/15/2021
Organochlorine Pesticides by USEPA Method 8081 in mg/kg															
4,4'-DDD	14	2.6	0.0033	0.00306 P	0.00178 U	0.00205 U	0.00342 IP	0.00197 U	0.00164 U	0.00134 JP	0.00158 U	0.00171	0.00161 U	0.00336	0.00439
4,4'-DDE	17	1.8	0.0033	0.0473	0.00244	0.0168	0.134	0.0385	0.00543	0.00676	0.0013 J	0.0673	0.00142 J	0.0472	0.0595
4,4'-DDT	136	1.7	0.0033	0.0892	0.00492	0.0367	0.335	0.053	0.00867	0.0139	0.00257 J	0.116	0.00338	0.118	0.255
Aldrin	0.19	0.019	0.005	0.00174 U	0.00178 U	0.00205 U	0.00167 U	0.00197 U	0.00164 U	0.00162 U	0.00158 U	0.0017 U	0.00161 U	0.00167 U	0.00171 U
Alpha-BHC	0.02	0.097	0.02	0.000727 U	0.000744 U	0.000854 U	0.000697 U	0.00082 U	0.000683 U	0.000676 U	0.000656 U	0.000706 U	0.000672 U	0.000695 U	0.000711 U
Beta-BHC	0.09	0.072	0.036	0.00174 U	0.00178 U	0.00205 U	0.00167 U	0.00197 U	0.00164 U	0.00162 U	0.00158 U	0.0017 U	0.00161 U	0.00167 U	0.00171 U
Chlordane	NS	NS	NS	0.0145 U	0.0149 U	0.0171 U	0.0139 U	0.0164 U	0.0137 U	0.0135 U	0.0131 U	0.0141 U	0.0134 U	0.0139 U	0.0142 U
cis-Chlordane	2.9	0.91	0.1	0.00218 U	0.00223 U	0.00256 U	0.00209 U	0.00246 U	0.00205 U	0.00203 U	0.00197 U	0.00212 U	0.00202 U	0.00208 U	0.00213 U
Delta-BHC	0.25	100	0.04	0.00174 U	0.00178 U	0.00205 U	0.00167 U	0.00197 U	0.00164 U	0.00162 U	0.00158 U	0.0017 U	0.00161 U	0.00167 U	0.00171 U
Dieldrin	0.1	0.039	0.005	0.00608 P	0.00112 U	0.00229 P	0.0124	0.00252	0.00102 U	0.00101 U	0.000984 U	0.00427	0.00101 U	0.00362	0.00561
Endosulfan I	102.0	4.8	2.4	0.00174 U	0.00178 U	0.00205 U	0.00167 U	0.00197 U	0.00164 U	0.00162 U	0.00158 U	0.0017 U	0.00161 U	0.00167 U	0.00171 U
Endosulfan II	102.0	4.8	2.4	0.00174 U	0.00178 U	0.00205 U	0.00152 J	0.00197 U	0.00164 U	0.00162 U	0.00158 U	0.0017 U	0.00161 U	0.00167 U	0.00171 U
Endosulfan sulfate	1,000.0	4.8	2.4	0.000727 U	0.000744 U	0.000854 U	0.0108	0.00082 U	0.000683 U	0.000676 U	0.000656 U	0.000706 U	0.000672 U	0.000695 U	0.00686
Endrin	0.06	2.2	0.014	0.000727 U	0.000744 U	0.000854 U	0.00182	0.00082 U	0.000683 U	0.000676 U	0.000656 U	0.000706 U	0.000672 U	0.000695 U	0.000711 U
Endrin aldehyde	NS	NS	NS	0.00218 U	0.00223 U	0.00256 U	0.00209 U	0.00246 U	0.00205 U	0.00203 U	0.00197 U	0.00212 U	0.00202 U	0.00208 U	0.00213 U
Endrin ketone	NS	NS	NS	0.00174 U	0.00178 U	0.00205 U	0.00167 U	0.00197 U	0.00164 U	0.00162 U	0.00158 U	0.0017 U	0.00161 U	0.00167 U	0.00171 U
Heptachlor	0.38	0.42	0.042	0.000873 U	0.000893 U	0.00102 U	0.000836 U	0.000984 U	0.00082 U	0.000811 U	0.000788 U	0.000848 U	0.000806 U	0.000834 U	0.000853 U
Heptachlor epoxide	NS	NS	NS	0.00327 U	0.00335 U	0.00384 U	0.00314 U	0.00369 U	0.00307 U	0.00304 U	0.00295 U	0.00318 U	0.00302 U	0.00313 U	0.0032 U
Lindane	0.1	0.28	0.1	0.000727 U	0.000744 U	0.000854 U	0.000697 U	0.00082 U	0.000683 U	0.000676 U	0.000656 U	0.000706 U	0.000672 U	0.000695 U	0.000711 U
Methoxychlor	NS	NS	NS	0.00327 U	0.00335 U	0.00384 U	0.00274 JIP	0.00369 U	0.00307 U	0.00304 U	0.00295 U	0.00318 U	0.00302 U	0.00313 U	0.0032 U
Toxaphene	NS	NS	NS	0.0327 U	0.0335 U	0.0384 U	0.0314 U	0.0369 U	0.0307 U	0.0304 U	0.0295 U	0.0318 U	0.0302 U	0.0313 U	0.032 U
trans-Chlordane	NS	NS	NS	0.00218 U	0.00223 U	0.00256 U	0.00209 U	0.00246 U	0.00205 U	0.00203 U	0.00197 U	0.00212 U	0.00202 U	0.00208 U	0.00213 U
Polychlorinated Biphenyls by USEPA Method 8082 in mg/kg															
Aroclor 1016	0.1	0.1	1							0.0337 U					
Aroclor 1221	0.1	0.1	1							0.0337 U					
Aroclor 1232	0.1	0.1	1							0.0337 U					
Aroclor 1242	0.1	0.1	1							0.0337 U					
Aroclor 1248	0.1	0.1	1							0.0337 U					
Aroclor 1254	0.1	0.1	1							0.0337 U					
Aroclor 1260	0.1	0.1	1							0.0337 U					
Aroclor 1262	0.1	0.1	1							0.0337 U					
Aroclor 1268	0.1	0.1	1							0.0337 U					
PCBs, Total	0.1	0.1	1							0.0337 U					
Chlorinated Herbicides by GC in mg/kg															
2,4,5-T	0.1	0.1	1							0.171 U					
2,4,5-TP (Silvex)	0.1	0.1	1							0.171 U					
2,4-D	0.1	0.1	1							0.171 U					

Notes:

(1) New York NYCRR Part 375 Groundwater Criteria, New York Restricted use Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, 12/06.

(2) New York NYCRR Part 375 Residential Criteria, New York Restricted use Criteria per 6 NYCRR Part 375 Environmental Remediation Programs,12/06.

(3) NYSDEC 6 NYCRR Environmental Remediation Programs Part 375 Unrestricted Use of Soil Cleanup Objective Table 375-6.8a 12/06

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Highlighted text denotes concentrations exceeding NYSDEC Unrestricted Use SCO

Table 4
Soil Analytical for Pesticides, PCBs and Herbicides
4285 Middle Country Rd,
Calverton, NY

Client Sample ID:	NYSDEC Protection of Ground water ⁽¹⁾	NYSDEC Soil Cleanup Objectives Residential Use ⁽²⁾	NYSDEC Soil Cleanup Objectives Unrestricted Use ⁽³⁾	GRID AA_0-2	GRID AA_18-24	GRID AB_0-2	GRID AB_18-24	GRID AC_0-2	GRID AC_18-24	GRID AD_0-2	GRID AD_18-24
Laboratory ID:				L2156730-01	L2156730-02	L2156730-03	L2156730-04	L2156730-05	L2156730-06	L2156730-07	L2156730-08
Sampling Date:				10/15/2021	10/15/2021	10/15/2021	10/15/2021	10/15/2021	10/15/2021	10/15/2021	10/15/2021
Organochlorine Pesticides by USEPA Method 8081 in mg/kg											
4,4'-DDD	14	2.6	0.0033	0.00176 U	0.00155 U	0.00489	0.00165 U	0.00139 J	0.00198 U	0.00605	0.0164
4,4'-DDE	17	1.8	0.0033	0.00444	0.0204	0.103	0.0197	0.0838	0.00562	0.243	0.0564
4,4'-DDT	136	1.7	0.0033	0.022	0.032	0.183	0.0289	0.112	0.00906	0.322	0.0778
Aldrin	0.19	0.019	0.005	0.00176 U	0.00155 U	0.00166 U	0.00165 U	0.00163 U	0.00198 U	0.00164 U	0.00172 U
Alpha-BHC	0.02	0.097	0.02	0.000734 U	0.000644 U	0.000693 U	0.000688 U	0.000681 U	0.000824 U	0.000684 U	0.000717 U
Beta-BHC	0.09	0.072	0.036	0.00176 U	0.00155 U	0.00166 U	0.00165 U	0.00163 U	0.00198 U	0.00164 U	0.00172 U
Chlordane	NS	NS	NS	0.0147 U	0.0129 U	0.0139 U	0.0138 U	0.0136 U	0.0165 U	0.0766	0.0469
cis-Chlordane	2.9	0.91	0.1	0.0022 U	0.00193 U	0.00648 IP	0.0013 JP	0.00204 U	0.00247 U	0.0122	0.00497 IP
Delta-BHC	0.25	100	0.04	0.00176 U	0.00155 U	0.00166 U	0.00165 U	0.00163 U	0.00198 U	0.00164 U	0.00172 U
Dieldrin	0.1	0.039	0.005	0.0011	0.00105	0.0105 IP	0.00143	0.00493	0.00124 U	0.0153	0.00578
Endosulfan I	102.0	4.8	2.4	0.00176 U	0.00155 U	0.00166 U	0.00165 U	0.00163 U	0.00198 U	0.00164 U	0.00172 U
Endosulfan II	102.0	4.8	2.4	0.00176 U	0.00155 U	0.00166 U	0.00165 U	0.00163 U	0.00198 U	0.00164 U	0.00114 J
Endosulfan sulfate	1,000.0	4.8	2.4	0.000734 U	0.00106 P	0.000693 U	0.000688 U	0.000681 U	0.000824 U	0.000684 U	0.00161 IP
Endrin	0.06	2.2	0.014	0.000734 U	0.000644 U	0.000693 U	0.000688 U	0.000681 U	0.000824 U	0.000684 U	0.000717 U
Endrin aldehyde	NS	NS	NS	0.0022 U	0.00193 U	0.00208 U	0.00206 U	0.00204 U	0.00247 U	0.00205 U	0.00215 U
Endrin ketone	NS	NS	NS	0.00176 U	0.00155 U	0.00166 U	0.00165 U	0.00163 U	0.00198 U	0.00164 U	0.00172 U
Heptachlor	0.38	0.42	0.042	0.00088 U	0.000773 U	0.000832 U	0.000825 U	0.000817 U	0.000989 U	0.000821 U	0.000411 JIP
Heptachlor epoxide	NS	NS	NS	0.0033 U	0.0029 U	0.00312 U	0.00309 U	0.00306 U	0.00371 U	0.00308 U	0.00322 U
Lindane	0.1	0.28	0.1	0.000734 U	0.000644 U	0.000693 U	0.000688 U	0.000681 U	0.000824 U	0.000684 U	0.000717 U
Methoxychlor	NS	NS	NS	0.0033 U	0.0029 U	0.00312 U	0.00309 U	0.00306 U	0.00371 U	0.00308 U	0.00322 U
Toxaphene	NS	NS	NS	0.033 U	0.029 U	0.0312 U	0.0309 U	0.0306 U	0.0371 U	0.0308 U	0.0322 U
trans-Chlordane	NS	NS	NS	0.0022 U	0.00193 U	0.00715	0.00206 U	0.00204 U	0.00247 U	0.0119	0.0072
Polychlorinated Biphenyls by USEPA Method 8082 in mg/kg											
Aroclor 1016	0.1	0.1	1							0.0348 U	
Aroclor 1221	0.1	0.1	1							0.0348 U	
Aroclor 1232	0.1	0.1	1							0.0348 U	
Aroclor 1242	0.1	0.1	1							0.0348 U	
Aroclor 1248	0.1	0.1	1							0.0348 U	
Aroclor 1254	0.1	0.1	1							0.0348 U	
Aroclor 1260	0.1	0.1	1							0.0348 U	
Aroclor 1262	0.1	0.1	1							0.0348 U	
Aroclor 1268	0.1	0.1	1							0.0348 U	
PCBs, Total	0.1	0.1	1							0.0348 U	
Chlorinated Herbicides by GC in mg/kg											
2,4,5-T	0.1	0.1	1							0.178 U	
2,4,5-TP (Silvex)	0.1	0.1	1							0.178 U	
2,4-D	0.1	0.1	1							0.178 U	

Notes:

(1) New York NYCRR Part 375 Groundwater Criteria, New York Restricted use Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, 12/06.

(2) New York NYCRR Part 375 Residential Criteria, New York Restricted use Criteria per 6 NYCRR Part 375 Environmental Remediation Programs,12/06.

(3) NYSDEC 6 NYCRR Environmental Remediation Programs Part 375 Unrestricted Use of Soil Cleanup Objective Table 375-6.8a 12/06

NS - No Standard

I - The lower value for the two columns has been reported due to obvious interference.

P- The RPD between the results for the two columns exceeds the method-specified criteria

U - The analyte was analyzed for, but was not detected above the reported sample quantification limit.

J - The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

Highlighted text denotes concentrations exceeding NYSDEC Protection of Groundwater Use

Highlighted text denotes concentrations exceeding NYSDEC Residential Use SCO

Highlighted text denotes concentrations exceeding NYSDEC Unrestricted Use SCO



APPENDIX A

LABORATORY ANALYTICAL REPORTS

HKV2101 – Soil Management Report

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www.alphalab.com



Alpha Analytical

Laboratory Code: 11148

SDG Number: L2155380

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Table of Contents

New York ASP Category A Data Deliverable Package.....	1
Table of Contents	2
Sample ID Cross Reference	3
SDG Narrative	4
Data Qualifier Definitions	6
Instrument Information	9
Sample Log-in Sheet	12
Lims COC (LN01)	13
External Chain of Custody	16
Organics Analysis	17
Volatiles Data	18
Volatiles Sample Data	19
Form 1 - Organics	20
Semivolatiles Data - Method 8270D	64
Semivolatiles Sample Data	65
Form 1 - Organics	66
GC PCB Analysis	110
Aroclor Sample Data	111
Form 1 - Organics	112
GC Pesticide Analysis	125
Pesticides Sample Data	126
Form 1 - Organics	127
GC Herbicide Analysis	154
Herbicides Sample Data	155
Form 1 - Organics	156
Metals Analysis	167
Inorganic Data (ICP Analysis)	168
Form 1 - Inorganics	169
Inorganic Data (Mercury Analysis)	181
Form 1 - Inorganics	182
Wet Chemistry Analysis	194
Total Solids Analysis	195
Results	196
Form 1 - Inorganics	197

Project Name: HK VENTURES-CALVERTON
Project Number: HKV2101

Lab Number: L2155380
Report Date: 10/25/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2155380-01	SB001_0-2	SOIL	4285 MIDDLE COUNTRY RD, CALVERTON, NY	10/11/21 11:10	10/11/21
L2155380-02	SB002_3-5	SOIL	4285 MIDDLE COUNTRY RD, CALVERTON, NY	10/11/21 11:30	10/11/21
L2155380-03	SB003_2-4	SOIL	4285 MIDDLE COUNTRY RD, CALVERTON, NY	10/11/21 11:50	10/11/21
L2155380-04	SB004_4-6	SOIL	4285 MIDDLE COUNTRY RD, CALVERTON, NY	10/11/21 12:15	10/11/21
L2155380-05	SB005_1-3	SOIL	4285 MIDDLE COUNTRY RD, CALVERTON, NY	10/11/21 12:35	10/11/21
L2155380-06	SB006_2-4	SOIL	4285 MIDDLE COUNTRY RD, CALVERTON, NY	10/11/21 12:55	10/11/21
L2155380-07	SB007_5-7	SOIL	4285 MIDDLE COUNTRY RD, CALVERTON, NY	10/11/21 13:20	10/11/21
L2155380-08	SB008_6-8	SOIL	4285 MIDDLE COUNTRY RD, CALVERTON, NY	10/11/21 13:45	10/11/21
L2155380-09	SB009_2-4	SOIL	4285 MIDDLE COUNTRY RD, CALVERTON, NY	10/11/21 14:05	10/11/21
L2155380-10	SB010_6-8	SOIL	4285 MIDDLE COUNTRY RD, CALVERTON, NY	10/11/21 14:25	10/11/21

Project Name: HK VENTURES-CALVERTON
Project Number: HKV2101

Lab Number: L2155380
Report Date: 10/25/21

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY

For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: HK VENTURES-CALVERTON
Project Number: HKV2101

Lab Number: L2155380
Report Date: 10/25/21

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Semivolatile Organics

The WG1557691-2 LCS recovery, associated with L2155380-01 through -10, is below the acceptance criteria for benzoic acid (5%); however, it has been identified as a "difficult" analyte. The results of the associated samples are reported.

Pesticides

L2155380-10D: The sample has elevated detection limits due to the dilution required by the sample matrix.

L2155380-10D: The internal standard (IS) response for 1-bromo-2-nitrobenzene (2144%) was above the acceptance criteria on column A; however, the sample was not re-analyzed due to obvious interferences. The surrogate recoveries are outside the method acceptance criteria for decachlorobiphenyl (0%) due to interference with the Internal Standard.

Total Metals

L2155380-01 through -10: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:



Report Date: 10/25/21

Title: Technical Director/Representative

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers



Project Name: HK VENTURES-CALVERTON
Project Number: HKV2101

Lab Number: L2155380
Report Date: 10/25/21

Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.

Report Format: DU Report with 'J' Qualifiers



Project Name: HK VENTURES-CALVERTON
Project Number: HKV2101

Lab Number: L2155380
Report Date: 10/25/21

Data Qualifiers

- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- V** - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)
- Z** - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers





Volatile Organics Instruments

Volatile Organics:

Instrument: Agilent 7890 GC/5975C MSD
 Trap: Supelco K Trap (VOACARB 3000)
 Concentrator: EST Encon (or equivalent)
 Autosampler: EST Centurion (or equivalent)
 Purge time: 11 min

Columns (length x ID x df):
 RTX-VMS 20m x 0.18mm x 1um
 RTX-VMS 30m x 0.25mm x 1.4um
 RTX-502.2 40m x 0.18mm x 1um

Volatile Organics: VPH

Instrument: Agilent 6890 (or equivalent)
 Trap: Supelco K Trap (VOACARB 3000)
 Concentrator: EST Encon (or equivalent)
 Autosampler: EST Centurion (or equivalent)

Column Type: Restek RTX 502.2
 Column Length: 105 Meters
 df: 3.00 um
 ID: 0.53mm

Volatile Organics: PIANO

Instrument: Agilent 7890 GC/5975C MSD
 Trap: Supelco K Trap (VOACARB 3000)
 Concentrator: Tekmar Velocity / EST Encon
 Autosampler: Varian Archon / EST Centurion
 Purge time: 11 min

Column Type: DB-VRX
 Column Length: 60 Meters
 df: 1.40 um
 ID: 0.25 mm
 Desorb: 1 min

Volatile Organics: Dissolved Gas

Instrument: Agilent 7890 (or equivalent) with FID/TCD

Column Type: Haysep S Column
 Column Length: 2 Meters packed
 (100/200 mesh)

Autosampler: LEAP Headspace

Purge time: 0.6 min

Volatile Organics in Air Instruments

Volatile Organics in Air:

Instruments: Agilent 6890 GC / 5975 MSD Shimadzu QP2010-SE / QP2020

Concentrator: Entech 7100A or 7200
 Autosampler: Entech 7016CA or 7016D

Column Type: Restek RTX-1
 Column Length: 60 Meters
 df: 1.00 um
 ID: 0.25 mm or 0.32 mm

Trap 1: Glass Bead: manufacturer-Entech: 20 cm packing material

Trap 2: Tenax: manufacturer-Entech: 20 cm packing material



Semivolatile Organics Instruments - Westborough

Semivolatile Organics (Acid/Base/Neutral Extractables):

Instrument: Agilent 5973N MSD	Injection volume: 1 μ L; 2 μ L LVI
Column Type: Restek RXI-5SILMS	df: 0.32 μ m
Column Length: 30 Meters	ID: 0.25 mm

Polynuclear Aromatic Hydrocarbons by 8270 SIM:

Instrument: Agilent 5973 MSD	Injection volume: 1 μ L; 2 μ L LVI
Column Type: Restek RXI-5SILMS	df: 0.25 μ m
Column Length: 30 Meters	ID: 0.25 mm

Pesticides/PCB/Herbicides:

Instrument: Agilent 6890 w/Dual Micro ECDs	Injection Volume: 1 μ L
Column A: Restek RTX-CL/STX-CL	df: 0.32
Column B: Restek RTX/STX-CLP Pesticide II	df: 0.25
Column Length: 30 Meters	ID: 0.32 mm

Petroleum/EPH:

Instrument: Agilent 6890 w/FID / HP 5890 w/ FID	Injection Volume: 1 μ L
Column: Restek RTX 5	df: 0.25
Column Length: 30 Meters	
ID: 0.32 mm	



Semivolatile Organic Instruments - Mansfield

Semivolatile Organics (ALK-PAH Extractables):

Instrument: Agilent 5973N / 5975 MSD	Injection volume: 1 ul
Column Type: ZB-5	df: 0.25 um
Column Length: 60 Meters	ID: 0.25 mm

Semivolatile Organics (8270):

Instrument: Agilent 5973N / 5975 MSD	Injection volume: 2 ul
Column Type: ZB-Semivolatiles	df: 0.25 um
Column Length: 30 Meters	ID: 0.25 mm

Semivolatile Organics (8270 SIM):

Instrument: Agilent 5973N / 5975 MSD	Injection volume: 3 ul
Column Type: ZB-5	df: 0.25 um
Column Length: 30 Meters	ID: 0.25 mm

Semivolatile Organics (1,4-Dioxane):

Instrument: Agilent 5973N / 5975 / 5977 MSD	Injection volume: 3 ul
Column Type: RTX-5	df: 0.25um, 0.18 um
Column Length: 30 Meters	ID: 0.25um, 0.18 mm

Semivolatile Organics (209 Congener):

Instrument: Agilent 5973N / 5975 MSD	Injection volume: 3 ul
Column Type: RTX-5, RTX-PCB	df: 0.25um, 0.18 um
Column Length: 60 Meters	ID: 0.25um, 0.18 mm

Semivolatile Organics (8081):

Instrument: Agilent 6890 / 7890	Injection volume: 1 ul
Column Type: RTX-5 / RTX-CLP II	df: 0.25 um
Column Length: 60 Meters	ID: 0.25 mm

Semivolatile Organics (8082):

Instrument: Agilent 6890 w/Dual Micro ECDs	Injection Volume: 1uL
Column A: Restek RTX-CL/STX-CL	df: 0.32
Column B: Restek RTX/STX-CLPPesticide II	df: 0.25
Column Length: 30 Meters	ID: 0.32 mm

Semivolatile Organics (SHC Extractables):

Instrument: Agilent 6890	Injection volume: 1 ul
Column Type: RTX-5	df: 0.25 um
Column Length: 60 Meters	ID: 0.25 mm



Sample Delivery Group Summary

Alpha Job Number : L2155380

Received : 11-OCT-2021

Reviewer : Kylie Morse

Account Name : P. W. Grosser

Project Number : HKV2101

Project Name : HK VENTURES-CALVERTON

Delivery Information

Samples Delivered By : Alpha Courier

Chain of Custody : Present

Cooler Information

Cooler	Seal/Seal#	Preservation	Temperature(°C)	Additional Information
A	Absent/	Ice	3.1	

Condition Information

1) All samples on COC received?	YES
2) Extra samples received?	NO
3) Are there any sample container discrepancies?	NO
4) Are there any discrepancies between sample labels & COC?	NO
5) Are samples in appropriate containers for requested analysis?	YES
6) Are samples properly preserved for requested analysis?	YES
7) Are samples within holding time for requested analysis?	YES
8) All sampling equipment returned?	NA

Volatile Organics/VPH

1) Reagent Water Vials Frozen by Client?	NO

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Oct 25 2021, 04:54 pm

Login Number: L2155380

Account: PWGROSSER P. W. GrosserProject: HKV2101

Received: 110CT21 Due Date: 250CT21

Sample #	Client ID	Mat PR Collected
L2155380-01 SB001_0-2		3 S0 110CT21 11:10
ASP-A Package Due Date: 10/25/21		
ASP-A, HERB-APA, NYTCL-8081, NYTCL-8082, NYTCL-8260HLW, NYTCL-8270, TAL, AG-TI, AL-TI, AS-TI, BA-TI, BE-TI, CA-TI, CD-TI, CO-TI, CR-TI, CU-TI, FE-TI, HG-T, K-TI, MG-TI, MN-TI, NA-TI, NI-TI, PB-TI, PREPT, SB-TI, SE-TI, TL-TI, V-TI, ZN-TI, TS		
L2155380-02 SB002_3-5		3 S0 110CT21 11:30
Package Due Date: 10/25/21		
HERB-APA, NYTCL-8081, NYTCL-8082, NYTCL-8260HLW, NYTCL-8270, TAL, AG-TI, AL-TI, AS-TI, BA-TI, BE-TI, CA-TI, CD-TI, CO-TI, CR-TI, CU-TI, FE-TI, HG-T, K-TI, MG-TI, MN-TI, NA-TI, NI-TI, PB-TI, PREPT, SB-TI, SE-TI, TL-TI, V-TI, ZN-TI, TS		
L2155380-03 SB003_2-4		3 S0 110CT21 11:50
Package Due Date: 10/25/21		
HERB-APA, NYTCL-8081, NYTCL-8082, NYTCL-8260HLW, NYTCL-8270, TAL, AG-TI, AL-TI, AS-TI, BA-TI, BE-TI, CA-TI, CD-TI, CO-TI, CR-TI, CU-TI, FE-TI, HG-T, K-TI, MG-TI, MN-TI, NA-TI, NI-TI, PB-TI, PREPT, SB-TI, SE-TI, TL-TI, V-TI, ZN-TI, TS		
L2155380-04 SB004_4-6		3 S0 110CT21 12:15
Package Due Date: 10/25/21		
HERB-APA, NYTCL-8081, NYTCL-8082, NYTCL-8260HLW, NYTCL-8270, TAL, AG-TI, AL-TI, AS-TI, BA-TI, BE-TI, CA-TI, CD-TI, CO-TI, CR-TI, CU-TI, FE-TI, HG-T, K-TI, MG-TI, MN-TI, NA-TI, NI-TI, PB-TI, PREPT, SB-TI, SE-TI, TL-TI, V-TI, ZN-TI, TS		
L2155380-05 SB005_1-3		3 S0 110CT21 12:35
Package Due Date: 10/25/21		

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Oct 25 2021, 04:54 pm

Login Number: L2155380

Account: PWGROSSER P. W. Grosser Project: HKV2101

Received: 110CT21 Due Date: 250CT21

Sample #	Client ID	Mat PR Collected

HERB-APA, NYTCL-8081, NYTCL-8082, NYTCL-8260HLW, NYTCL-8270, TAL, AG-TI, AL-TI, AS-TI, BA-TI, BE-TI, CA-TI, CD-TI, CO-TI, CR-TI, CU-TI, FE-TI, HG-T, K-TI, MG-TI, MN-TI, NA-TI, NI-TI, PB-TI, PREPT, SB-TI, SE-TI, TL-TI, V-TI, ZN-TI, TS		

L2155380-06 SB006_2-4	3 S0 110CT21 12:55

| Package Due Date: 10/25/21

HERB-APA, NYTCL-8081, NYTCL-8082, NYTCL-8260HLW, NYTCL-8270, TAL, AG-TI, AL-TI, AS-TI, BA-TI, BE-TI, CA-TI, CD-TI, CO-TI, CR-TI, CU-TI, FE-TI, HG-T, K-TI, MG-TI, MN-TI, NA-TI, NI-TI, PB-TI, PREPT, SB-TI, SE-TI, TL-TI, V-TI, ZN-TI, TS	

L2155380-07 SB007_5-7	3 S0 110CT21 13:20

| Package Due Date: 10/25/21

HERB-APA, NYTCL-8081, NYTCL-8082, NYTCL-8260HLW, NYTCL-8270, TAL, AG-TI, AL-TI, AS-TI, BA-TI, BE-TI, CA-TI, CD-TI, CO-TI, CR-TI, CU-TI, FE-TI, HG-T, K-TI, MG-TI, MN-TI, NA-TI, NI-TI, PB-TI, PREPT, SB-TI, SE-TI, TL-TI, V-TI, ZN-TI, TS	

L2155380-08 SB008_6-8	3 S0 110CT21 13:45

| Package Due Date: 10/25/21

HERB-APA, NYTCL-8081, NYTCL-8082, NYTCL-8260HLW, NYTCL-8270, TAL, AG-TI, AL-TI, AS-TI, BA-TI, BE-TI, CA-TI, CD-TI, CO-TI, CR-TI, CU-TI, FE-TI, HG-T, K-TI, MG-TI, MN-TI, NA-TI, NI-TI, PB-TI, PREPT, SB-TI, SE-TI, TL-TI, V-TI, ZN-TI, TS	

L2155380-09 SB009_2-4	3 S0 110CT21 14:05

| Package Due Date: 10/25/21

HERB-APA, NYTCL-8081, NYTCL-8082, NYTCL-8260HLW, NYTCL-8270, TAL, AG-TI, AL-TI, AS-TI, BA-TI, BE-TI, CA-TI, CD-TI, CO-TI, CR-TI, CU-TI, FE-TI, HG-T, K-TI, MG-TI, MN-TI, NA-TI, NI-TI, PB-TI, PREPT, SB-TI, SE-TI, TL-TI, V-TI, ZN-TI, TS	

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Oct 25 2021, 04:54 pm

Login Number: L2155380

Account: PWGROSSER P. W. GrosserProject: HKV2101

Received: 11OCT21 Due Date: 25OCT21

Sample #	Client ID	Mat PR Collected

L2155380-10 SB010_6-8	3 S0 11OCT21 14:25

| Package Due Date: 10/25/21

HERB-APA, NYTCL-8081, NYTCL-8082, NYTCL-8260HLW, NYTCL-8270, TAL, AG-TI, AL-TI, AS-TI, BA-TI, BE-TI, CA-TI, CD-TI, CO-TI, CR-TI, CU-TI, FE-TI, HG-T, K-TI, MG-TI, MN-TI, NA-TI, NI-TI, PB-TI, PREPT, SB-TI, SE-TI, TL-TI, V-TI, ZN-TI, TS

 ALPHA ANALYTICAL	NEW YORK CHAIN OF CUSTODY	Service Centers Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105	Page <u>1</u>	Date Rec'd in Lab <u>10/12/21</u>	ALPHA Job # <u>L2155380</u>																																																																																																																																					
			of <u>1</u>																																																																																																																																							
Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193	Mansfield, MA 02048 320 Forbes Blvd TEL: 508-822-9300 FAX: 508-822-3288	Project Information Project Name: <u>HK Ventures - Calverton</u> Project Location: <u>4255 Middle Country Rd, Calverton, NY</u> Project # <u>HKV2101</u> (Use Project name as Project #) ☐		Deliverables ☒ ASP-A ☐ ASP-B ☐ EQuIS (1 File) ☐ EQuIS (4 File) ☐ Other		Billing Information ☐ Same as Client Info PO #																																																																																																																																				
Client Information Client: <u>PWGC</u> Address: <u>630 Johnson Ave</u> <u>Bohemia, NY 11716</u> Phone: <u>631-589-6553</u> Fax: Email: <u>thomasm@pwgrosse.com</u>		Project Manager: <u>Tom Melia</u> ALPHAQuote #: Turn-Around Time Standard ☒ Due Date: Rush (only if pre approved) ☐ # of Days:		Regulatory Requirement ☐ NY TOGS ☐ NY Part 375 ☐ AWQ Standards ☐ NY CP-51 ☐ NY Restricted Use ☐ Other ☐ NY Unrestricted Use ☐ NYC Sewer Discharge		Disposal Site Information Please identify below location of applicable disposal facilities. Disposal Facility: ☐ NJ ☐ NY ☐ Other:																																																																																																																																				
These samples have been previously analyzed by Alpha ☐ Other project specific requirements/comments:				ANALYSIS		Sample Filtration ☐ Done ☐ Lab to do Preservation ☐ Lab to do (Please Specify below)																																																																																																																																				
Please specify Metals or TAL.				<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th style="width:15%;">ALPHA Lab ID (Lab Use Only)</th> <th style="width:20%;">Sample ID</th> <th style="width:10%;">Collection Date</th> <th style="width:10%;">Collection Time</th> <th style="width:10%;">Sample Matrix</th> <th style="width:10%;">Sampler's Initials</th> <th style="width:10%;">VOCs (4260)</th> <th style="width:10%;">SVOCs (8270)</th> <th style="width:10%;">PCBs (8032)</th> <th style="width:10%;">Herbicides (9051)</th> <th style="width:10%;">Pesticides (9051)</th> <th style="width:10%;">TAL Metals (6010/11)</th> </tr> <tr> <td>55380 -01</td> <td>SB001-0-2</td> <td>10/11/21</td> <td>1110</td> <td>S</td> <td>MPP</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> </tr> <tr> <td>-02</td> <td>SB002-3-5</td> <td></td> <td>1130</td> <td></td> <td></td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> </tr> <tr> <td>-03</td> <td>SB003-2-4</td> <td></td> <td>1150</td> <td></td> <td></td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> </tr> <tr> <td>-04</td> <td>SB004-4-6</td> <td></td> <td>1215</td> <td></td> <td></td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> </tr> <tr> <td>-05</td> <td>SB005-1-3</td> <td></td> <td>1235</td> <td></td> <td></td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> </tr> <tr> <td>-06</td> <td>SB006-2-4</td> <td></td> <td>1255</td> <td></td> <td></td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> </tr> <tr> <td>-07</td> <td>SB007-5-7</td> <td></td> <td>1320</td> <td></td> <td></td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> </tr> <tr> <td>-08</td> <td>SB008-6-8</td> <td></td> <td>1345</td> <td></td> <td></td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> </tr> <tr> <td>-09</td> <td>SB009-2-4</td> <td></td> <td>1405</td> <td></td> <td></td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> </tr> <tr> <td>-10</td> <td>SB010-6-8</td> <td></td> <td>1425</td> <td></td> <td></td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> </tr> </table>		ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs (4260)	SVOCs (8270)	PCBs (8032)	Herbicides (9051)	Pesticides (9051)	TAL Metals (6010/11)	55380 -01	SB001-0-2	10/11/21	1110	S	MPP	X	X	X	X	X	X	-02	SB002-3-5		1130			X	X	X	X	X	X	-03	SB003-2-4		1150			X	X	X	X	X	X	-04	SB004-4-6		1215			X	X	X	X	X	X	-05	SB005-1-3		1235			X	X	X	X	X	X	-06	SB006-2-4		1255			X	X	X	X	X	X	-07	SB007-5-7		1320			X	X	X	X	X	X	-08	SB008-6-8		1345			X	X	X	X	X	X	-09	SB009-2-4		1405			X	X	X	X	X	X	-10	SB010-6-8		1425			X	X	X	X	X	X	Total Bottles
ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs (4260)	SVOCs (8270)	PCBs (8032)	Herbicides (9051)	Pesticides (9051)	TAL Metals (6010/11)																																																																																																																															
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Preservative Code: A = None B = HCl C = HNO ₃ D = H ₂ SO ₄ E = NaOH F = MeOH G = NaHSO ₄ H = Na ₂ S ₂ O ₃ K/E = Zn Ac/NaOH O = Other		Container Code: P = Plastic A = Amber Glass V = Vial G = Glass B = Bacteria Cup C = Cube O = Other E = Encore D = BOD Bottle		Westboro: Certification No: MA935 Mansfield: Certification No: MA015		Container Type Preservative	Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)																																																																																																																																			
Relinquished By:		Date/Time		Received By:		Date/Time																																																																																																																																				
<u>Michael Pecora</u>		<u>10/11/21 16:55</u>		<u>Yvonne D'Amico</u>		<u>10/11/21 16:55</u>																																																																																																																																				
<u>Yvonne D'Amico</u>		<u>10/11/21 18:10</u>		<u>Yvonne D'Amico</u>		<u>10/11/21 20:30</u>																																																																																																																																				
<u>Yvonne D'Amico</u>		<u>10/12/21 02:30</u>		<u>Yvonne D'Amico</u>		<u>10/12/21 02:30</u>																																																																																																																																				

Organics

Volatiles Data

Volatiles Sample Data

Results Summary

Form 1

Volatile Organics by EPA 5035

Client : P. W. Grosser	Lab Number : L2155380
Project Name : HK VENTURES-CALVERTON	Project Number : HKV2101
Lab ID : L2155380-01	Date Collected : 10/11/21 11:10
Client ID : SB001_0-2	Date Received : 10/11/21
Sample Location : 4285 MIDDLE COUNTRY RD, CALVERTON, NY	Date Analyzed : 10/22/21 14:17
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 1,8260C	Analyst : NLK
Lab File ID : V10211022B11	Instrument ID : VOA110
Sample Amount : 5.6 g	GC Column : RTX-VMS
Level : LOW	%Solids : 94
Extract Volume (MeOH) : N/A	Injection Volume : N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	4.7	2.2	U
75-34-3	1,1-Dichloroethane	ND	0.94	0.14	U
67-66-3	Chloroform	ND	1.4	0.13	U
56-23-5	Carbon tetrachloride	ND	0.94	0.22	U
78-87-5	1,2-Dichloropropane	ND	0.94	0.12	U
124-48-1	Dibromochloromethane	ND	0.94	0.13	U
79-00-5	1,1,2-Trichloroethane	ND	0.94	0.25	U
127-18-4	Tetrachloroethene	ND	0.47	0.18	U
108-90-7	Chlorobenzene	ND	0.47	0.12	U
75-69-4	Trichlorofluoromethane	ND	3.8	0.66	U
107-06-2	1,2-Dichloroethane	ND	0.94	0.24	U
71-55-6	1,1,1-Trichloroethane	ND	0.47	0.16	U
75-27-4	Bromodichloromethane	ND	0.47	0.10	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.94	0.26	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.47	0.15	U
542-75-6	1,3-Dichloropropene, Total	ND	0.47	0.15	U
563-58-6	1,1-Dichloropropene	ND	0.47	0.15	U
75-25-2	Bromoform	ND	3.8	0.23	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.47	0.16	U
71-43-2	Benzene	ND	0.47	0.16	U
108-88-3	Toluene	ND	0.94	0.51	U
100-41-4	Ethylbenzene	ND	0.94	0.13	U
74-87-3	Chloromethane	ND	3.8	0.88	U
74-83-9	Bromomethane	ND	1.9	0.55	U



Results Summary

Form 1

Volatile Organics by EPA 5035

Client : P. W. Grosser	Lab Number : L2155380
Project Name : HK VENTURES-CALVERTON	Project Number : HKV2101
Lab ID : L2155380-01	Date Collected : 10/11/21 11:10
Client ID : SB001_0-2	Date Received : 10/11/21
Sample Location : 4285 MIDDLE COUNTRY RD, CALVERTON, NY	Date Analyzed : 10/22/21 14:17
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 1,8260C	Analyst : NLK
Lab File ID : V10211022B11	Instrument ID : VOA110
Sample Amount : 5.6 g	GC Column : RTX-VMS
Level : LOW	%Solids : 94
Extract Volume (MeOH) : N/A	Injection Volume : N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
75-01-4	Vinyl chloride	ND	0.94	0.32	U
75-00-3	Chloroethane	ND	1.9	0.43	U
75-35-4	1,1-Dichloroethene	ND	0.94	0.22	U
156-60-5	trans-1,2-Dichloroethene	ND	1.4	0.13	U
79-01-6	Trichloroethene	ND	0.47	0.13	U
95-50-1	1,2-Dichlorobenzene	ND	1.9	0.14	U
541-73-1	1,3-Dichlorobenzene	ND	1.9	0.14	U
106-46-7	1,4-Dichlorobenzene	ND	1.9	0.16	U
1634-04-4	Methyl tert butyl ether	ND	1.9	0.19	U
179601-23-1	p/m-Xylene	ND	1.9	0.53	U
95-47-6	o-Xylene	ND	0.94	0.27	U
1330-20-7	Xylenes, Total	ND	0.94	0.27	U
156-59-2	cis-1,2-Dichloroethene	ND	0.94	0.16	U
540-59-0	1,2-Dichloroethene, Total	ND	0.94	0.13	U
74-95-3	Dibromomethane	ND	1.9	0.22	U
100-42-5	Styrene	ND	0.94	0.18	U
75-71-8	Dichlorodifluoromethane	ND	9.4	0.86	U
67-64-1	Acetone	ND	9.4	4.5	U
75-15-0	Carbon disulfide	ND	9.4	4.3	U
78-93-3	2-Butanone	ND	9.4	2.1	U
108-05-4	Vinyl acetate	ND	9.4	2.0	U
108-10-1	4-Methyl-2-pentanone	ND	9.4	1.2	U
96-18-4	1,2,3-Trichloropropane	ND	1.9	0.12	U
591-78-6	2-Hexanone	ND	9.4	1.1	U



Results Summary

Form 1

Volatile Organics by EPA 5035

Client : P. W. Grosser	Lab Number : L2155380
Project Name : HK VENTURES-CALVERTON	Project Number : HKV2101
Lab ID : L2155380-01	Date Collected : 10/11/21 11:10
Client ID : SB001_0-2	Date Received : 10/11/21
Sample Location : 4285 MIDDLE COUNTRY RD, CALVERTON, NY	Date Analyzed : 10/22/21 14:17
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 1,8260C	Analyst : NLK
Lab File ID : V10211022B11	Instrument ID : VOA110
Sample Amount : 5.6 g	GC Column : RTX-VMS
Level : LOW	%Solids : 94
Extract Volume (MeOH) : N/A	Injection Volume : N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
74-97-5	Bromochloromethane	ND	1.9	0.19	U
594-20-7	2,2-Dichloropropane	ND	1.9	0.19	U
106-93-4	1,2-Dibromoethane	ND	0.94	0.26	U
142-28-9	1,3-Dichloropropane	ND	1.9	0.16	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.47	0.12	U
108-86-1	Bromobenzene	ND	1.9	0.14	U
104-51-8	n-Butylbenzene	ND	0.94	0.16	U
135-98-8	sec-Butylbenzene	ND	0.94	0.14	U
98-06-6	tert-Butylbenzene	ND	1.9	0.11	U
95-49-8	o-Chlorotoluene	ND	1.9	0.18	U
106-43-4	p-Chlorotoluene	ND	1.9	0.10	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.8	0.94	U
87-68-3	Hexachlorobutadiene	ND	3.8	0.16	U
98-82-8	Isopropylbenzene	ND	0.94	0.10	U
99-87-6	p-Isopropyltoluene	ND	0.94	0.10	U
91-20-3	Naphthalene	ND	3.8	0.61	U
107-13-1	Acrylonitrile	ND	3.8	1.1	U
103-65-1	n-Propylbenzene	ND	0.94	0.16	U
87-61-6	1,2,3-Trichlorobenzene	ND	1.9	0.30	U
120-82-1	1,2,4-Trichlorobenzene	ND	1.9	0.26	U
108-67-8	1,3,5-Trimethylbenzene	ND	1.9	0.18	U
95-63-6	1,2,4-Trimethylbenzene	ND	1.9	0.31	U
123-91-1	1,4-Dioxane	ND	75	33.	U
105-05-5	p-Diethylbenzene	ND	1.9	0.17	U



Results Summary

Form 1

Volatile Organics by EPA 5035

Client : P. W. Grosser	Lab Number : L2155380
Project Name : HK VENTURES-CALVERTON	Project Number : HKV2101
Lab ID : L2155380-01	Date Collected : 10/11/21 11:10
Client ID : SB001_0-2	Date Received : 10/11/21
Sample Location : 4285 MIDDLE COUNTRY RD, CALVERTON, NY	Date Analyzed : 10/22/21 14:17
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 1,8260C	Analyst : NLK
Lab File ID : V10211022B11	Instrument ID : VOA110
Sample Amount : 5.6 g	GC Column : RTX-VMS
Level : LOW	%Solids : 94
Extract Volume (MeOH) : N/A	Injection Volume : N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
622-96-8	p-Ethyltoluene	ND	1.9	0.36	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	1.9	0.18	U
60-29-7	Ethyl ether	ND	1.9	0.32	U
110-57-6	trans-1,4-Dichloro-2-butene	ND	4.7	1.3	U

Results Summary

Form 1

Volatile Organics by EPA 5035

Client : P. W. Grosser	Lab Number : L2155380
Project Name : HK VENTURES-CALVERTON	Project Number : HKV2101
Lab ID : L2155380-02	Date Collected : 10/11/21 11:30
Client ID : SB002_3-5	Date Received : 10/11/21
Sample Location : 4285 MIDDLE COUNTRY RD, CALVERTON, NY	Date Analyzed : 10/22/21 14:44
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 1,8260C	Analyst : NLK
Lab File ID : V10211022B12	Instrument ID : VOA110
Sample Amount : 4.7 g	GC Column : RTX-VMS
Level : LOW	%Solids : 98
Extract Volume (MeOH) : N/A	Injection Volume : N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	5.4	2.5	U
75-34-3	1,1-Dichloroethane	ND	1.1	0.16	U
67-66-3	Chloroform	ND	1.6	0.15	U
56-23-5	Carbon tetrachloride	ND	1.1	0.25	U
78-87-5	1,2-Dichloropropane	ND	1.1	0.14	U
124-48-1	Dibromochloromethane	ND	1.1	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.1	0.29	U
127-18-4	Tetrachloroethene	ND	0.54	0.21	U
108-90-7	Chlorobenzene	ND	0.54	0.14	U
75-69-4	Trichlorofluoromethane	ND	4.3	0.75	U
107-06-2	1,2-Dichloroethane	ND	1.1	0.28	U
71-55-6	1,1,1-Trichloroethane	ND	0.54	0.18	U
75-27-4	Bromodichloromethane	ND	0.54	0.12	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.1	0.30	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.54	0.17	U
542-75-6	1,3-Dichloropropene, Total	ND	0.54	0.17	U
563-58-6	1,1-Dichloropropene	ND	0.54	0.17	U
75-25-2	Bromoform	ND	4.3	0.26	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.54	0.18	U
71-43-2	Benzene	ND	0.54	0.18	U
108-88-3	Toluene	ND	1.1	0.59	U
100-41-4	Ethylbenzene	ND	1.1	0.15	U
74-87-3	Chloromethane	ND	4.3	1.0	U
74-83-9	Bromomethane	ND	2.2	0.63	U

Results Summary

Form 1

Volatile Organics by EPA 5035

Client	: P. W. Grosser	Lab Number	: L2155380
Project Name	: HK VENTURES-CALVERTON	Project Number	: HKV2101
Lab ID	: L2155380-02	Date Collected	: 10/11/21 11:30
Client ID	: SB002_3-5	Date Received	: 10/11/21
Sample Location	: 4285 MIDDLE COUNTRY RD, CALVERTON, NY	Date Analyzed	: 10/22/21 14:44
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: NLK
Lab File ID	: V10211022B12	Instrument ID	: VOA110
Sample Amount	: 4.7 g	GC Column	: RTX-VMS
Level	: LOW	%Solids	: 98
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
75-01-4	Vinyl chloride	ND	1.1	0.36	U
75-00-3	Chloroethane	ND	2.2	0.49	U
75-35-4	1,1-Dichloroethene	ND	1.1	0.26	U
156-60-5	trans-1,2-Dichloroethene	ND	1.6	0.15	U
79-01-6	Trichloroethene	ND	0.54	0.15	U
95-50-1	1,2-Dichlorobenzene	ND	2.2	0.16	U
541-73-1	1,3-Dichlorobenzene	ND	2.2	0.16	U
106-46-7	1,4-Dichlorobenzene	ND	2.2	0.18	U
1634-04-4	Methyl tert butyl ether	ND	2.2	0.22	U
179601-23-1	p/m-Xylene	ND	2.2	0.60	U
95-47-6	o-Xylene	ND	1.1	0.31	U
1330-20-7	Xylenes, Total	ND	1.1	0.31	U
156-59-2	cis-1,2-Dichloroethene	ND	1.1	0.19	U
540-59-0	1,2-Dichloroethene, Total	ND	1.1	0.15	U
74-95-3	Dibromomethane	ND	2.2	0.26	U
100-42-5	Styrene	ND	1.1	0.21	U
75-71-8	Dichlorodifluoromethane	ND	11	0.99	U
67-64-1	Acetone	ND	11	5.2	U
75-15-0	Carbon disulfide	ND	11	4.9	U
78-93-3	2-Butanone	ND	11	2.4	U
108-05-4	Vinyl acetate	ND	11	2.3	U
108-10-1	4-Methyl-2-pentanone	ND	11	1.4	U
96-18-4	1,2,3-Trichloropropane	ND	2.2	0.14	U
591-78-6	2-Hexanone	ND	11	1.3	U



Results Summary

Form 1

Volatile Organics by EPA 5035

Client : P. W. Grosser	Lab Number : L2155380
Project Name : HK VENTURES-CALVERTON	Project Number : HKV2101
Lab ID : L2155380-02	Date Collected : 10/11/21 11:30
Client ID : SB002_3-5	Date Received : 10/11/21
Sample Location : 4285 MIDDLE COUNTRY RD, CALVERTON, NY	Date Analyzed : 10/22/21 14:44
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 1,8260C	Analyst : NLK
Lab File ID : V10211022B12	Instrument ID : VOA110
Sample Amount : 4.7 g	GC Column : RTX-VMS
Level : LOW	%Solids : 98
Extract Volume (MeOH) : N/A	Injection Volume : N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
74-97-5	Bromochloromethane	ND	2.2	0.22	U
594-20-7	2,2-Dichloropropane	ND	2.2	0.22	U
106-93-4	1,2-Dibromoethane	ND	1.1	0.30	U
142-28-9	1,3-Dichloropropane	ND	2.2	0.18	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.54	0.14	U
108-86-1	Bromobenzene	ND	2.2	0.16	U
104-51-8	n-Butylbenzene	ND	1.1	0.18	U
135-98-8	sec-Butylbenzene	ND	1.1	0.16	U
98-06-6	tert-Butylbenzene	ND	2.2	0.13	U
95-49-8	o-Chlorotoluene	ND	2.2	0.21	U
106-43-4	p-Chlorotoluene	ND	2.2	0.12	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	3.2	1.1	U
87-68-3	Hexachlorobutadiene	ND	4.3	0.18	U
98-82-8	Isopropylbenzene	ND	1.1	0.12	U
99-87-6	p-Isopropyltoluene	ND	1.1	0.12	U
91-20-3	Naphthalene	ND	4.3	0.70	U
107-13-1	Acrylonitrile	ND	4.3	1.2	U
103-65-1	n-Propylbenzene	ND	1.1	0.18	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.2	0.35	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.2	0.29	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.2	0.21	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.2	0.36	U
123-91-1	1,4-Dioxane	ND	86	38.	U
105-05-5	p-Diethylbenzene	ND	2.2	0.19	U



Results Summary

Form 1

Volatile Organics by EPA 5035

Client	: P. W. Grosser	Lab Number	: L2155380
Project Name	: HK VENTURES-CALVERTON	Project Number	: HKV2101
Lab ID	: L2155380-02	Date Collected	: 10/11/21 11:30
Client ID	: SB002_3-5	Date Received	: 10/11/21
Sample Location	: 4285 MIDDLE COUNTRY RD, CALVERTON, NY	Date Analyzed	: 10/22/21 14:44
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: NLK
Lab File ID	: V10211022B12	Instrument ID	: VOA110
Sample Amount	: 4.7 g	GC Column	: RTX-VMS
Level	: LOW	%Solids	: 98
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
622-96-8	p-Ethyltoluene	ND	2.2	0.42	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.2	0.21	U
60-29-7	Ethyl ether	ND	2.2	0.37	U
110-57-6	trans-1,4-Dichloro-2-butene	ND	5.4	1.5	U

Results Summary

Form 1

Volatile Organics by EPA 5035

Client : P. W. Grosser	Lab Number : L2155380
Project Name : HK VENTURES-CALVERTON	Project Number : HKV2101
Lab ID : L2155380-03	Date Collected : 10/11/21 11:50
Client ID : SB003_2-4	Date Received : 10/11/21
Sample Location : 4285 MIDDLE COUNTRY RD, CALVERTON, NY	Date Analyzed : 10/22/21 15:12
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 1,8260C	Analyst : NLK
Lab File ID : V10211022B13	Instrument ID : VOA110
Sample Amount : 6.2 g	GC Column : RTX-VMS
Level : LOW	%Solids : 89
Extract Volume (MeOH) : N/A	Injection Volume : N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	4.5	2.1	U
75-34-3	1,1-Dichloroethane	ND	0.90	0.13	U
67-66-3	Chloroform	ND	1.4	0.13	U
56-23-5	Carbon tetrachloride	ND	0.90	0.21	U
78-87-5	1,2-Dichloropropane	ND	0.90	0.11	U
124-48-1	Dibromochloromethane	ND	0.90	0.13	U
79-00-5	1,1,2-Trichloroethane	ND	0.90	0.24	U
127-18-4	Tetrachloroethene	ND	0.45	0.18	U
108-90-7	Chlorobenzene	ND	0.45	0.12	U
75-69-4	Trichlorofluoromethane	ND	3.6	0.63	U
107-06-2	1,2-Dichloroethane	ND	0.90	0.23	U
71-55-6	1,1,1-Trichloroethane	ND	0.45	0.15	U
75-27-4	Bromodichloromethane	ND	0.45	0.10	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.90	0.25	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.45	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.45	0.14	U
563-58-6	1,1-Dichloropropene	ND	0.45	0.14	U
75-25-2	Bromoform	ND	3.6	0.22	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.45	0.15	U
71-43-2	Benzene	ND	0.45	0.15	U
108-88-3	Toluene	ND	0.90	0.49	U
100-41-4	Ethylbenzene	ND	0.90	0.13	U
74-87-3	Chloromethane	ND	3.6	0.84	U
74-83-9	Bromomethane	ND	1.8	0.53	U

Results Summary

Form 1

Volatile Organics by EPA 5035

Client	: P. W. Grosser	Lab Number	: L2155380
Project Name	: HK VENTURES-CALVERTON	Project Number	: HKV2101
Lab ID	: L2155380-03	Date Collected	: 10/11/21 11:50
Client ID	: SB003_2-4	Date Received	: 10/11/21
Sample Location	: 4285 MIDDLE COUNTRY RD, CALVERTON, NY	Date Analyzed	: 10/22/21 15:12
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: NLK
Lab File ID	: V10211022B13	Instrument ID	: VOA110
Sample Amount	: 6.2 g	GC Column	: RTX-VMS
Level	: LOW	%Solids	: 89
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
75-01-4	Vinyl chloride	ND	0.90	0.30	U
75-00-3	Chloroethane	ND	1.8	0.41	U
75-35-4	1,1-Dichloroethene	ND	0.90	0.22	U
156-60-5	trans-1,2-Dichloroethene	ND	1.4	0.12	U
79-01-6	Trichloroethene	ND	0.45	0.12	U
95-50-1	1,2-Dichlorobenzene	ND	1.8	0.13	U
541-73-1	1,3-Dichlorobenzene	ND	1.8	0.13	U
106-46-7	1,4-Dichlorobenzene	ND	1.8	0.15	U
1634-04-4	Methyl tert butyl ether	ND	1.8	0.18	U
179601-23-1	p/m-Xylene	ND	1.8	0.51	U
95-47-6	o-Xylene	ND	0.90	0.26	U
1330-20-7	Xylenes, Total	ND	0.90	0.26	U
156-59-2	cis-1,2-Dichloroethene	ND	0.90	0.16	U
540-59-0	1,2-Dichloroethene, Total	ND	0.90	0.12	U
74-95-3	Dibromomethane	ND	1.8	0.22	U
100-42-5	Styrene	ND	0.90	0.18	U
75-71-8	Dichlorodifluoromethane	ND	9.0	0.83	U
67-64-1	Acetone	ND	9.0	4.4	U
75-15-0	Carbon disulfide	ND	9.0	4.1	U
78-93-3	2-Butanone	ND	9.0	2.0	U
108-05-4	Vinyl acetate	ND	9.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	9.0	1.2	U
96-18-4	1,2,3-Trichloropropane	ND	1.8	0.12	U
591-78-6	2-Hexanone	ND	9.0	1.1	U



Results Summary

Form 1

Volatile Organics by EPA 5035

Client : P. W. Grosser	Lab Number : L2155380
Project Name : HK VENTURES-CALVERTON	Project Number : HKV2101
Lab ID : L2155380-03	Date Collected : 10/11/21 11:50
Client ID : SB003_2-4	Date Received : 10/11/21
Sample Location : 4285 MIDDLE COUNTRY RD, CALVERTON, NY	Date Analyzed : 10/22/21 15:12
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 1,8260C	Analyst : NLK
Lab File ID : V10211022B13	Instrument ID : VOA110
Sample Amount : 6.2 g	GC Column : RTX-VMS
Level : LOW	%Solids : 89
Extract Volume (MeOH) : N/A	Injection Volume : N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
74-97-5	Bromochloromethane	ND	1.8	0.18	U
594-20-7	2,2-Dichloropropane	ND	1.8	0.18	U
106-93-4	1,2-Dibromoethane	ND	0.90	0.25	U
142-28-9	1,3-Dichloropropane	ND	1.8	0.15	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.45	0.12	U
108-86-1	Bromobenzene	ND	1.8	0.13	U
104-51-8	n-Butylbenzene	ND	0.90	0.15	U
135-98-8	sec-Butylbenzene	ND	0.90	0.13	U
98-06-6	tert-Butylbenzene	ND	1.8	0.11	U
95-49-8	o-Chlorotoluene	ND	1.8	0.17	U
106-43-4	p-Chlorotoluene	ND	1.8	0.10	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.7	0.90	U
87-68-3	Hexachlorobutadiene	ND	3.6	0.15	U
98-82-8	Isopropylbenzene	ND	0.90	0.10	U
99-87-6	p-Isopropyltoluene	ND	0.90	0.10	U
91-20-3	Naphthalene	ND	3.6	0.59	U
107-13-1	Acrylonitrile	ND	3.6	1.0	U
103-65-1	n-Propylbenzene	ND	0.90	0.15	U
87-61-6	1,2,3-Trichlorobenzene	ND	1.8	0.29	U
120-82-1	1,2,4-Trichlorobenzene	ND	1.8	0.25	U
108-67-8	1,3,5-Trimethylbenzene	ND	1.8	0.17	U
95-63-6	1,2,4-Trimethylbenzene	ND	1.8	0.30	U
123-91-1	1,4-Dioxane	ND	72	32.	U
105-05-5	p-Diethylbenzene	ND	1.8	0.16	U

Results Summary

Form 1

Volatile Organics by EPA 5035

Client	: P. W. Grosser	Lab Number	: L2155380
Project Name	: HK VENTURES-CALVERTON	Project Number	: HKV2101
Lab ID	: L2155380-03	Date Collected	: 10/11/21 11:50
Client ID	: SB003_2-4	Date Received	: 10/11/21
Sample Location	: 4285 MIDDLE COUNTRY RD, CALVERTON, NY	Date Analyzed	: 10/22/21 15:12
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: NLK
Lab File ID	: V10211022B13	Instrument ID	: VOA110
Sample Amount	: 6.2 g	GC Column	: RTX-VMS
Level	: LOW	%Solids	: 89
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
622-96-8	p-Ethyltoluene	ND	1.8	0.35	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	1.8	0.17	U
60-29-7	Ethyl ether	ND	1.8	0.31	U
110-57-6	trans-1,4-Dichloro-2-butene	ND	4.5	1.3	U

Results Summary

Form 1

Volatile Organics by EPA 5035

Client : P. W. Grosser	Lab Number : L2155380
Project Name : HK VENTURES-CALVERTON	Project Number : HKV2101
Lab ID : L2155380-04	Date Collected : 10/11/21 12:15
Client ID : SB004_4-6	Date Received : 10/11/21
Sample Location : 4285 MIDDLE COUNTRY RD, CALVERTON, NY	Date Analyzed : 10/22/21 15:40
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 1,8260C	Analyst : NLK
Lab File ID : V10211022B14	Instrument ID : VOA110
Sample Amount : 5.4 g	GC Column : RTX-VMS
Level : LOW	%Solids : 96
Extract Volume (MeOH) : N/A	Injection Volume : N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	4.8	2.2	U
75-34-3	1,1-Dichloroethane	ND	0.96	0.14	U
67-66-3	Chloroform	ND	1.4	0.13	U
56-23-5	Carbon tetrachloride	ND	0.96	0.22	U
78-87-5	1,2-Dichloropropane	ND	0.96	0.12	U
124-48-1	Dibromochloromethane	ND	0.96	0.13	U
79-00-5	1,1,2-Trichloroethane	ND	0.96	0.26	U
127-18-4	Tetrachloroethene	ND	0.48	0.19	U
108-90-7	Chlorobenzene	ND	0.48	0.12	U
75-69-4	Trichlorofluoromethane	ND	3.8	0.67	U
107-06-2	1,2-Dichloroethane	ND	0.96	0.25	U
71-55-6	1,1,1-Trichloroethane	ND	0.48	0.16	U
75-27-4	Bromodichloromethane	ND	0.48	0.10	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.96	0.26	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.48	0.15	U
542-75-6	1,3-Dichloropropene, Total	ND	0.48	0.15	U
563-58-6	1,1-Dichloropropene	ND	0.48	0.15	U
75-25-2	Bromoform	ND	3.8	0.24	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.48	0.16	U
71-43-2	Benzene	ND	0.48	0.16	U
108-88-3	Toluene	ND	0.96	0.52	U
100-41-4	Ethylbenzene	ND	0.96	0.14	U
74-87-3	Chloromethane	ND	3.8	0.89	U
74-83-9	Bromomethane	ND	1.9	0.56	U

Results Summary

Form 1

Volatile Organics by EPA 5035

Client : P. W. Grosser	Lab Number : L2155380
Project Name : HK VENTURES-CALVERTON	Project Number : HKV2101
Lab ID : L2155380-04	Date Collected : 10/11/21 12:15
Client ID : SB004_4-6	Date Received : 10/11/21
Sample Location : 4285 MIDDLE COUNTRY RD, CALVERTON, NY	Date Analyzed : 10/22/21 15:40
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 1,8260C	Analyst : NLK
Lab File ID : V10211022B14	Instrument ID : VOA110
Sample Amount : 5.4 g	GC Column : RTX-VMS
Level : LOW	%Solids : 96
Extract Volume (MeOH) : N/A	Injection Volume : N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
75-01-4	Vinyl chloride	ND	0.96	0.32	U
75-00-3	Chloroethane	ND	1.9	0.43	U
75-35-4	1,1-Dichloroethene	ND	0.96	0.23	U
156-60-5	trans-1,2-Dichloroethene	ND	1.4	0.13	U
79-01-6	Trichloroethene	ND	0.48	0.13	U
95-50-1	1,2-Dichlorobenzene	ND	1.9	0.14	U
541-73-1	1,3-Dichlorobenzene	ND	1.9	0.14	U
106-46-7	1,4-Dichlorobenzene	ND	1.9	0.16	U
1634-04-4	Methyl tert butyl ether	ND	1.9	0.19	U
179601-23-1	p/m-Xylene	ND	1.9	0.54	U
95-47-6	o-Xylene	ND	0.96	0.28	U
1330-20-7	Xylenes, Total	ND	0.96	0.28	U
156-59-2	cis-1,2-Dichloroethene	ND	0.96	0.17	U
540-59-0	1,2-Dichloroethene, Total	ND	0.96	0.13	U
74-95-3	Dibromomethane	ND	1.9	0.23	U
100-42-5	Styrene	ND	0.96	0.19	U
75-71-8	Dichlorodifluoromethane	ND	9.6	0.88	U
67-64-1	Acetone	ND	9.6	4.6	U
75-15-0	Carbon disulfide	ND	9.6	4.4	U
78-93-3	2-Butanone	ND	9.6	2.1	U
108-05-4	Vinyl acetate	ND	9.6	2.1	U
108-10-1	4-Methyl-2-pentanone	ND	9.6	1.2	U
96-18-4	1,2,3-Trichloropropane	ND	1.9	0.12	U
591-78-6	2-Hexanone	ND	9.6	1.1	U



Results Summary

Form 1

Volatile Organics by EPA 5035

Client : P. W. Grosser	Lab Number : L2155380
Project Name : HK VENTURES-CALVERTON	Project Number : HKV2101
Lab ID : L2155380-04	Date Collected : 10/11/21 12:15
Client ID : SB004_4-6	Date Received : 10/11/21
Sample Location : 4285 MIDDLE COUNTRY RD, CALVERTON, NY	Date Analyzed : 10/22/21 15:40
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 1,8260C	Analyst : NLK
Lab File ID : V10211022B14	Instrument ID : VOA110
Sample Amount : 5.4 g	GC Column : RTX-VMS
Level : LOW	%Solids : 96
Extract Volume (MeOH) : N/A	Injection Volume : N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
74-97-5	Bromochloromethane	ND	1.9	0.20	U
594-20-7	2,2-Dichloropropane	ND	1.9	0.19	U
106-93-4	1,2-Dibromoethane	ND	0.96	0.27	U
142-28-9	1,3-Dichloropropane	ND	1.9	0.16	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.48	0.13	U
108-86-1	Bromobenzene	ND	1.9	0.14	U
104-51-8	n-Butylbenzene	ND	0.96	0.16	U
135-98-8	sec-Butylbenzene	ND	0.96	0.14	U
98-06-6	tert-Butylbenzene	ND	1.9	0.11	U
95-49-8	o-Chlorotoluene	ND	1.9	0.18	U
106-43-4	p-Chlorotoluene	ND	1.9	0.10	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.9	0.96	U
87-68-3	Hexachlorobutadiene	ND	3.8	0.16	U
98-82-8	Isopropylbenzene	ND	0.96	0.10	U
99-87-6	p-Isopropyltoluene	ND	0.96	0.10	U
91-20-3	Naphthalene	ND	3.8	0.62	U
107-13-1	Acrylonitrile	ND	3.8	1.1	U
103-65-1	n-Propylbenzene	ND	0.96	0.16	U
87-61-6	1,2,3-Trichlorobenzene	ND	1.9	0.31	U
120-82-1	1,2,4-Trichlorobenzene	ND	1.9	0.26	U
108-67-8	1,3,5-Trimethylbenzene	ND	1.9	0.18	U
95-63-6	1,2,4-Trimethylbenzene	ND	1.9	0.32	U
123-91-1	1,4-Dioxane	ND	77	34.	U
105-05-5	p-Diethylbenzene	ND	1.9	0.17	U



Results Summary

Form 1

Volatile Organics by EPA 5035

Client	: P. W. Grosser	Lab Number	: L2155380
Project Name	: HK VENTURES-CALVERTON	Project Number	: HKV2101
Lab ID	: L2155380-04	Date Collected	: 10/11/21 12:15
Client ID	: SB004_4-6	Date Received	: 10/11/21
Sample Location	: 4285 MIDDLE COUNTRY RD, CALVERTON, NY	Date Analyzed	: 10/22/21 15:40
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: NLK
Lab File ID	: V10211022B14	Instrument ID	: VOA110
Sample Amount	: 5.4 g	GC Column	: RTX-VMS
Level	: LOW	%Solids	: 96
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
622-96-8	p-Ethyltoluene	ND	1.9	0.37	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	1.9	0.18	U
60-29-7	Ethyl ether	ND	1.9	0.33	U
110-57-6	trans-1,4-Dichloro-2-butene	ND	4.8	1.4	U

Results Summary

Form 1

Volatile Organics by EPA 5035

Client : P. W. Grosser	Lab Number : L2155380
Project Name : HK VENTURES-CALVERTON	Project Number : HKV2101
Lab ID : L2155380-05	Date Collected : 10/11/21 12:35
Client ID : SB005_1-3	Date Received : 10/11/21
Sample Location : 4285 MIDDLE COUNTRY RD, CALVERTON, NY	Date Analyzed : 10/22/21 16:07
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 1,8260C	Analyst : NLK
Lab File ID : V10211022B15	Instrument ID : VOA110
Sample Amount : 5.1 g	GC Column : RTX-VMS
Level : LOW	%Solids : 91
Extract Volume (MeOH) : N/A	Injection Volume : N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	5.3	2.4	U
75-34-3	1,1-Dichloroethane	ND	1.1	0.15	U
67-66-3	Chloroform	ND	1.6	0.15	U
56-23-5	Carbon tetrachloride	ND	1.1	0.24	U
78-87-5	1,2-Dichloropropane	ND	1.1	0.13	U
124-48-1	Dibromochloromethane	ND	1.1	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.1	0.28	U
127-18-4	Tetrachloroethene	ND	0.53	0.21	U
108-90-7	Chlorobenzene	ND	0.53	0.14	U
75-69-4	Trichlorofluoromethane	ND	4.3	0.74	U
107-06-2	1,2-Dichloroethane	ND	1.1	0.27	U
71-55-6	1,1,1-Trichloroethane	ND	0.53	0.18	U
75-27-4	Bromodichloromethane	ND	0.53	0.12	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.1	0.29	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.53	0.17	U
542-75-6	1,3-Dichloropropene, Total	ND	0.53	0.17	U
563-58-6	1,1-Dichloropropene	ND	0.53	0.17	U
75-25-2	Bromoform	ND	4.3	0.26	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.53	0.18	U
71-43-2	Benzene	ND	0.53	0.18	U
108-88-3	Toluene	ND	1.1	0.58	U
100-41-4	Ethylbenzene	ND	1.1	0.15	U
74-87-3	Chloromethane	ND	4.3	1.0	U
74-83-9	Bromomethane	ND	2.1	0.62	U



Results Summary

Form 1

Volatile Organics by EPA 5035

Client : P. W. Grosser	Lab Number : L2155380
Project Name : HK VENTURES-CALVERTON	Project Number : HKV2101
Lab ID : L2155380-05	Date Collected : 10/11/21 12:35
Client ID : SB005_1-3	Date Received : 10/11/21
Sample Location : 4285 MIDDLE COUNTRY RD, CALVERTON, NY	Date Analyzed : 10/22/21 16:07
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 1,8260C	Analyst : NLK
Lab File ID : V10211022B15	Instrument ID : VOA110
Sample Amount : 5.1 g	GC Column : RTX-VMS
Level : LOW	%Solids : 91
Extract Volume (MeOH) : N/A	Injection Volume : N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
75-01-4	Vinyl chloride	ND	1.1	0.36	U
75-00-3	Chloroethane	ND	2.1	0.48	U
75-35-4	1,1-Dichloroethene	ND	1.1	0.25	U
156-60-5	trans-1,2-Dichloroethene	ND	1.6	0.15	U
79-01-6	Trichloroethene	ND	0.53	0.15	U
95-50-1	1,2-Dichlorobenzene	ND	2.1	0.15	U
541-73-1	1,3-Dichlorobenzene	ND	2.1	0.16	U
106-46-7	1,4-Dichlorobenzene	ND	2.1	0.18	U
1634-04-4	Methyl tert butyl ether	ND	2.1	0.21	U
179601-23-1	p/m-Xylene	ND	2.1	0.60	U
95-47-6	o-Xylene	ND	1.1	0.31	U
1330-20-7	Xylenes, Total	ND	1.1	0.31	U
156-59-2	cis-1,2-Dichloroethene	ND	1.1	0.19	U
540-59-0	1,2-Dichloroethene, Total	ND	1.1	0.15	U
74-95-3	Dibromomethane	ND	2.1	0.25	U
100-42-5	Styrene	ND	1.1	0.21	U
75-71-8	Dichlorodifluoromethane	ND	11	0.98	U
67-64-1	Acetone	7.3	11	5.1	J
75-15-0	Carbon disulfide	ND	11	4.9	U
78-93-3	2-Butanone	ND	11	2.4	U
108-05-4	Vinyl acetate	ND	11	2.3	U
108-10-1	4-Methyl-2-pentanone	ND	11	1.4	U
96-18-4	1,2,3-Trichloropropane	ND	2.1	0.14	U
591-78-6	2-Hexanone	ND	11	1.3	U



Results Summary

Form 1

Volatile Organics by EPA 5035

Client : P. W. Grosser	Lab Number : L2155380
Project Name : HK VENTURES-CALVERTON	Project Number : HKV2101
Lab ID : L2155380-05	Date Collected : 10/11/21 12:35
Client ID : SB005_1-3	Date Received : 10/11/21
Sample Location : 4285 MIDDLE COUNTRY RD, CALVERTON, NY	Date Analyzed : 10/22/21 16:07
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 1,8260C	Analyst : NLK
Lab File ID : V10211022B15	Instrument ID : VOA110
Sample Amount : 5.1 g	GC Column : RTX-VMS
Level : LOW	%Solids : 91
Extract Volume (MeOH) : N/A	Injection Volume : N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
74-97-5	Bromochloromethane	ND	2.1	0.22	U
594-20-7	2,2-Dichloropropane	ND	2.1	0.22	U
106-93-4	1,2-Dibromoethane	ND	1.1	0.30	U
142-28-9	1,3-Dichloropropane	ND	2.1	0.18	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.53	0.14	U
108-86-1	Bromobenzene	ND	2.1	0.15	U
104-51-8	n-Butylbenzene	ND	1.1	0.18	U
135-98-8	sec-Butylbenzene	ND	1.1	0.16	U
98-06-6	tert-Butylbenzene	ND	2.1	0.13	U
95-49-8	o-Chlorotoluene	ND	2.1	0.20	U
106-43-4	p-Chlorotoluene	ND	2.1	0.12	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	3.2	1.1	U
87-68-3	Hexachlorobutadiene	ND	4.3	0.18	U
98-82-8	Isopropylbenzene	ND	1.1	0.12	U
99-87-6	p-Isopropyltoluene	ND	1.1	0.12	U
91-20-3	Naphthalene	ND	4.3	0.69	U
107-13-1	Acrylonitrile	ND	4.3	1.2	U
103-65-1	n-Propylbenzene	ND	1.1	0.18	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.1	0.34	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.1	0.29	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.1	0.21	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.1	0.36	U
123-91-1	1,4-Dioxane	ND	85	38.	U
105-05-5	p-Diethylbenzene	ND	2.1	0.19	U



Results Summary

Form 1

Volatile Organics by EPA 5035

Client : P. W. Grosser	Lab Number : L2155380
Project Name : HK VENTURES-CALVERTON	Project Number : HKV2101
Lab ID : L2155380-05	Date Collected : 10/11/21 12:35
Client ID : SB005_1-3	Date Received : 10/11/21
Sample Location : 4285 MIDDLE COUNTRY RD, CALVERTON, NY	Date Analyzed : 10/22/21 16:07
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 1,8260C	Analyst : NLK
Lab File ID : V10211022B15	Instrument ID : VOA110
Sample Amount : 5.1 g	GC Column : RTX-VMS
Level : LOW	%Solids : 91
Extract Volume (MeOH) : N/A	Injection Volume : N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
622-96-8	p-Ethyltoluene	ND	2.1	0.41	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.1	0.20	U
60-29-7	Ethyl ether	ND	2.1	0.36	U
110-57-6	trans-1,4-Dichloro-2-butene	ND	5.3	1.5	U

Results Summary

Form 1

Volatile Organics by EPA 5035

Client : P. W. Grosser	Lab Number : L2155380
Project Name : HK VENTURES-CALVERTON	Project Number : HKV2101
Lab ID : L2155380-06	Date Collected : 10/11/21 12:55
Client ID : SB006_2-4	Date Received : 10/11/21
Sample Location : 4285 MIDDLE COUNTRY RD, CALVERTON, NY	Date Analyzed : 10/22/21 16:35
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 1,8260C	Analyst : NLK
Lab File ID : V10211022B16	Instrument ID : VOA110
Sample Amount : 6.1 g	GC Column : RTX-VMS
Level : LOW	%Solids : 92
Extract Volume (MeOH) : N/A	Injection Volume : N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	4.5	2.0	U
75-34-3	1,1-Dichloroethane	ND	0.90	0.13	U
67-66-3	Chloroform	ND	1.3	0.12	U
56-23-5	Carbon tetrachloride	ND	0.90	0.21	U
78-87-5	1,2-Dichloropropane	ND	0.90	0.11	U
124-48-1	Dibromochloromethane	ND	0.90	0.12	U
79-00-5	1,1,2-Trichloroethane	ND	0.90	0.24	U
127-18-4	Tetrachloroethene	ND	0.45	0.18	U
108-90-7	Chlorobenzene	ND	0.45	0.11	U
75-69-4	Trichlorofluoromethane	ND	3.6	0.62	U
107-06-2	1,2-Dichloroethane	ND	0.90	0.23	U
71-55-6	1,1,1-Trichloroethane	ND	0.45	0.15	U
75-27-4	Bromodichloromethane	ND	0.45	0.10	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.90	0.24	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.45	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.45	0.14	U
563-58-6	1,1-Dichloropropene	ND	0.45	0.14	U
75-25-2	Bromoform	ND	3.6	0.22	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.45	0.15	U
71-43-2	Benzene	ND	0.45	0.15	U
108-88-3	Toluene	ND	0.90	0.49	U
100-41-4	Ethylbenzene	ND	0.90	0.13	U
74-87-3	Chloromethane	ND	3.6	0.84	U
74-83-9	Bromomethane	ND	1.8	0.52	U



Results Summary

Form 1

Volatile Organics by EPA 5035

Client : P. W. Grosser	Lab Number : L2155380
Project Name : HK VENTURES-CALVERTON	Project Number : HKV2101
Lab ID : L2155380-06	Date Collected : 10/11/21 12:55
Client ID : SB006_2-4	Date Received : 10/11/21
Sample Location : 4285 MIDDLE COUNTRY RD, CALVERTON, NY	Date Analyzed : 10/22/21 16:35
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 1,8260C	Analyst : NLK
Lab File ID : V10211022B16	Instrument ID : VOA110
Sample Amount : 6.1 g	GC Column : RTX-VMS
Level : LOW	%Solids : 92
Extract Volume (MeOH) : N/A	Injection Volume : N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
75-01-4	Vinyl chloride	ND	0.90	0.30	U
75-00-3	Chloroethane	ND	1.8	0.40	U
75-35-4	1,1-Dichloroethene	ND	0.90	0.21	U
156-60-5	trans-1,2-Dichloroethene	ND	1.3	0.12	U
79-01-6	Trichloroethene	ND	0.45	0.12	U
95-50-1	1,2-Dichlorobenzene	ND	1.8	0.13	U
541-73-1	1,3-Dichlorobenzene	ND	1.8	0.13	U
106-46-7	1,4-Dichlorobenzene	ND	1.8	0.15	U
1634-04-4	Methyl tert butyl ether	ND	1.8	0.18	U
179601-23-1	p/m-Xylene	ND	1.8	0.50	U
95-47-6	o-Xylene	ND	0.90	0.26	U
1330-20-7	Xylenes, Total	ND	0.90	0.26	U
156-59-2	cis-1,2-Dichloroethene	ND	0.90	0.16	U
540-59-0	1,2-Dichloroethene, Total	ND	0.90	0.12	U
74-95-3	Dibromomethane	ND	1.8	0.21	U
100-42-5	Styrene	ND	0.90	0.18	U
75-71-8	Dichlorodifluoromethane	ND	9.0	0.82	U
67-64-1	Acetone	ND	9.0	4.3	U
75-15-0	Carbon disulfide	ND	9.0	4.1	U
78-93-3	2-Butanone	ND	9.0	2.0	U
108-05-4	Vinyl acetate	ND	9.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	9.0	1.1	U
96-18-4	1,2,3-Trichloropropane	ND	1.8	0.11	U
591-78-6	2-Hexanone	ND	9.0	1.0	U



Results Summary

Form 1

Volatile Organics by EPA 5035

Client : P. W. Grosser	Lab Number : L2155380
Project Name : HK VENTURES-CALVERTON	Project Number : HKV2101
Lab ID : L2155380-06	Date Collected : 10/11/21 12:55
Client ID : SB006_2-4	Date Received : 10/11/21
Sample Location : 4285 MIDDLE COUNTRY RD, CALVERTON, NY	Date Analyzed : 10/22/21 16:35
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 1,8260C	Analyst : NLK
Lab File ID : V10211022B16	Instrument ID : VOA110
Sample Amount : 6.1 g	GC Column : RTX-VMS
Level : LOW	%Solids : 92
Extract Volume (MeOH) : N/A	Injection Volume : N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
74-97-5	Bromochloromethane	ND	1.8	0.18	U
594-20-7	2,2-Dichloropropane	ND	1.8	0.18	U
106-93-4	1,2-Dibromoethane	ND	0.90	0.25	U
142-28-9	1,3-Dichloropropane	ND	1.8	0.15	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.45	0.12	U
108-86-1	Bromobenzene	ND	1.8	0.13	U
104-51-8	n-Butylbenzene	ND	0.90	0.15	U
135-98-8	sec-Butylbenzene	ND	0.90	0.13	U
98-06-6	tert-Butylbenzene	ND	1.8	0.10	U
95-49-8	o-Chlorotoluene	ND	1.8	0.17	U
106-43-4	p-Chlorotoluene	ND	1.8	0.10	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.7	0.90	U
87-68-3	Hexachlorobutadiene	ND	3.6	0.15	U
98-82-8	Isopropylbenzene	ND	0.90	0.10	U
99-87-6	p-Isopropyltoluene	ND	0.90	0.10	U
91-20-3	Naphthalene	ND	3.6	0.58	U
107-13-1	Acrylonitrile	ND	3.6	1.0	U
103-65-1	n-Propylbenzene	ND	0.90	0.15	U
87-61-6	1,2,3-Trichlorobenzene	ND	1.8	0.29	U
120-82-1	1,2,4-Trichlorobenzene	ND	1.8	0.24	U
108-67-8	1,3,5-Trimethylbenzene	ND	1.8	0.17	U
95-63-6	1,2,4-Trimethylbenzene	ND	1.8	0.30	U
123-91-1	1,4-Dioxane	ND	72	31.	U
105-05-5	p-Diethylbenzene	ND	1.8	0.16	U



Results Summary

Form 1

Volatile Organics by EPA 5035

Client	: P. W. Grosser	Lab Number	: L2155380
Project Name	: HK VENTURES-CALVERTON	Project Number	: HKV2101
Lab ID	: L2155380-06	Date Collected	: 10/11/21 12:55
Client ID	: SB006_2-4	Date Received	: 10/11/21
Sample Location	: 4285 MIDDLE COUNTRY RD, CALVERTON, NY	Date Analyzed	: 10/22/21 16:35
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: NLK
Lab File ID	: V10211022B16	Instrument ID	: VOA110
Sample Amount	: 6.1 g	GC Column	: RTX-VMS
Level	: LOW	%Solids	: 92
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
622-96-8	p-Ethyltoluene	ND	1.8	0.34	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	1.8	0.17	U
60-29-7	Ethyl ether	ND	1.8	0.30	U
110-57-6	trans-1,4-Dichloro-2-butene	ND	4.5	1.3	U

Results Summary

Form 1

Volatile Organics by EPA 5035

Client : P. W. Grosser	Lab Number : L2155380
Project Name : HK VENTURES-CALVERTON	Project Number : HKV2101
Lab ID : L2155380-07	Date Collected : 10/11/21 13:20
Client ID : SB007_5-7	Date Received : 10/11/21
Sample Location : 4285 MIDDLE COUNTRY RD, CALVERTON, NY	Date Analyzed : 10/22/21 17:03
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 1,8260C	Analyst : NLK
Lab File ID : V10211022B17	Instrument ID : VOA110
Sample Amount : 4.8 g	GC Column : RTX-VMS
Level : LOW	%Solids : 99
Extract Volume (MeOH) : N/A	Injection Volume : N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	5.2	2.4	U
75-34-3	1,1-Dichloroethane	ND	1.0	0.15	U
67-66-3	Chloroform	ND	1.6	0.15	U
56-23-5	Carbon tetrachloride	ND	1.0	0.24	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.13	U
124-48-1	Dibromochloromethane	ND	1.0	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.28	U
127-18-4	Tetrachloroethene	ND	0.52	0.20	U
108-90-7	Chlorobenzene	ND	0.52	0.13	U
75-69-4	Trichlorofluoromethane	ND	4.2	0.73	U
107-06-2	1,2-Dichloroethane	ND	1.0	0.27	U
71-55-6	1,1,1-Trichloroethane	ND	0.52	0.17	U
75-27-4	Bromodichloromethane	ND	0.52	0.11	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.28	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.52	0.16	U
542-75-6	1,3-Dichloropropene, Total	ND	0.52	0.16	U
563-58-6	1,1-Dichloropropene	ND	0.52	0.17	U
75-25-2	Bromoform	ND	4.2	0.26	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.52	0.17	U
71-43-2	Benzene	ND	0.52	0.17	U
108-88-3	Toluene	ND	1.0	0.57	U
100-41-4	Ethylbenzene	ND	1.0	0.15	U
74-87-3	Chloromethane	ND	4.2	0.97	U
74-83-9	Bromomethane	ND	2.1	0.61	U



Results Summary

Form 1

Volatile Organics by EPA 5035

Client : P. W. Grosser	Lab Number : L2155380
Project Name : HK VENTURES-CALVERTON	Project Number : HKV2101
Lab ID : L2155380-07	Date Collected : 10/11/21 13:20
Client ID : SB007_5-7	Date Received : 10/11/21
Sample Location : 4285 MIDDLE COUNTRY RD, CALVERTON, NY	Date Analyzed : 10/22/21 17:03
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 1,8260C	Analyst : NLK
Lab File ID : V10211022B17	Instrument ID : VOA110
Sample Amount : 4.8 g	GC Column : RTX-VMS
Level : LOW	%Solids : 99
Extract Volume (MeOH) : N/A	Injection Volume : N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
75-01-4	Vinyl chloride	ND	1.0	0.35	U
75-00-3	Chloroethane	ND	2.1	0.47	U
75-35-4	1,1-Dichloroethene	ND	1.0	0.25	U
156-60-5	trans-1,2-Dichloroethene	ND	1.6	0.14	U
79-01-6	Trichloroethene	ND	0.52	0.14	U
95-50-1	1,2-Dichlorobenzene	ND	2.1	0.15	U
541-73-1	1,3-Dichlorobenzene	ND	2.1	0.15	U
106-46-7	1,4-Dichlorobenzene	ND	2.1	0.18	U
1634-04-4	Methyl tert butyl ether	ND	2.1	0.21	U
179601-23-1	p/m-Xylene	ND	2.1	0.58	U
95-47-6	o-Xylene	ND	1.0	0.30	U
1330-20-7	Xylenes, Total	ND	1.0	0.30	U
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.18	U
540-59-0	1,2-Dichloroethene, Total	ND	1.0	0.14	U
74-95-3	Dibromomethane	ND	2.1	0.25	U
100-42-5	Styrene	ND	1.0	0.20	U
75-71-8	Dichlorodifluoromethane	ND	10	0.96	U
67-64-1	Acetone	5.1	10	5.0	J
75-15-0	Carbon disulfide	ND	10	4.8	U
78-93-3	2-Butanone	ND	10	2.3	U
108-05-4	Vinyl acetate	ND	10	2.2	U
108-10-1	4-Methyl-2-pentanone	ND	10	1.3	U
96-18-4	1,2,3-Trichloropropane	ND	2.1	0.13	U
591-78-6	2-Hexanone	ND	10	1.2	U



Results Summary

Form 1

Volatile Organics by EPA 5035

Client : P. W. Grosser	Lab Number : L2155380
Project Name : HK VENTURES-CALVERTON	Project Number : HKV2101
Lab ID : L2155380-07	Date Collected : 10/11/21 13:20
Client ID : SB007_5-7	Date Received : 10/11/21
Sample Location : 4285 MIDDLE COUNTRY RD, CALVERTON, NY	Date Analyzed : 10/22/21 17:03
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 1,8260C	Analyst : NLK
Lab File ID : V10211022B17	Instrument ID : VOA110
Sample Amount : 4.8 g	GC Column : RTX-VMS
Level : LOW	%Solids : 99
Extract Volume (MeOH) : N/A	Injection Volume : N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
74-97-5	Bromochloromethane	ND	2.1	0.21	U
594-20-7	2,2-Dichloropropane	ND	2.1	0.21	U
106-93-4	1,2-Dibromoethane	ND	1.0	0.29	U
142-28-9	1,3-Dichloropropane	ND	2.1	0.17	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.52	0.14	U
108-86-1	Bromobenzene	ND	2.1	0.15	U
104-51-8	n-Butylbenzene	ND	1.0	0.17	U
135-98-8	sec-Butylbenzene	ND	1.0	0.15	U
98-06-6	tert-Butylbenzene	ND	2.1	0.12	U
95-49-8	o-Chlorotoluene	ND	2.1	0.20	U
106-43-4	p-Chlorotoluene	ND	2.1	0.11	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	3.1	1.0	U
87-68-3	Hexachlorobutadiene	ND	4.2	0.18	U
98-82-8	Isopropylbenzene	ND	1.0	0.11	U
99-87-6	p-Isopropyltoluene	ND	1.0	0.11	U
91-20-3	Naphthalene	ND	4.2	0.68	U
107-13-1	Acrylonitrile	ND	4.2	1.2	U
103-65-1	n-Propylbenzene	ND	1.0	0.18	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.1	0.34	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.1	0.28	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.1	0.20	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.1	0.35	U
123-91-1	1,4-Dioxane	ND	84	37.	U
105-05-5	p-Diethylbenzene	ND	2.1	0.18	U



Results Summary

Form 1

Volatile Organics by EPA 5035

Client : P. W. Grosser	Lab Number : L2155380
Project Name : HK VENTURES-CALVERTON	Project Number : HKV2101
Lab ID : L2155380-07	Date Collected : 10/11/21 13:20
Client ID : SB007_5-7	Date Received : 10/11/21
Sample Location : 4285 MIDDLE COUNTRY RD, CALVERTON, NY	Date Analyzed : 10/22/21 17:03
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 1,8260C	Analyst : NLK
Lab File ID : V10211022B17	Instrument ID : VOA110
Sample Amount : 4.8 g	GC Column : RTX-VMS
Level : LOW	%Solids : 99
Extract Volume (MeOH) : N/A	Injection Volume : N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
622-96-8	p-Ethyltoluene	ND	2.1	0.40	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.1	0.20	U
60-29-7	Ethyl ether	ND	2.1	0.36	U
110-57-6	trans-1,4-Dichloro-2-butene	ND	5.2	1.5	U

Results Summary

Form 1

Volatile Organics by EPA 5035

Client : P. W. Grosser	Lab Number : L2155380
Project Name : HK VENTURES-CALVERTON	Project Number : HKV2101
Lab ID : L2155380-08	Date Collected : 10/11/21 13:45
Client ID : SB008_6-8	Date Received : 10/11/21
Sample Location : 4285 MIDDLE COUNTRY RD, CALVERTON, NY	Date Analyzed : 10/22/21 17:30
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 1,8260C	Analyst : NLK
Lab File ID : V10211022B18	Instrument ID : VOA110
Sample Amount : 6.3 g	GC Column : RTX-VMS
Level : LOW	%Solids : 84
Extract Volume (MeOH) : N/A	Injection Volume : N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	4.8	2.2	U
75-34-3	1,1-Dichloroethane	ND	0.95	0.14	U
67-66-3	Chloroform	ND	1.4	0.13	U
56-23-5	Carbon tetrachloride	ND	0.95	0.22	U
78-87-5	1,2-Dichloropropane	ND	0.95	0.12	U
124-48-1	Dibromochloromethane	ND	0.95	0.13	U
79-00-5	1,1,2-Trichloroethane	ND	0.95	0.25	U
127-18-4	Tetrachloroethene	ND	0.48	0.19	U
108-90-7	Chlorobenzene	ND	0.48	0.12	U
75-69-4	Trichlorofluoromethane	ND	3.8	0.66	U
107-06-2	1,2-Dichloroethane	ND	0.95	0.24	U
71-55-6	1,1,1-Trichloroethane	ND	0.48	0.16	U
75-27-4	Bromodichloromethane	ND	0.48	0.10	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.95	0.26	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.48	0.15	U
542-75-6	1,3-Dichloropropene, Total	ND	0.48	0.15	U
563-58-6	1,1-Dichloropropene	ND	0.48	0.15	U
75-25-2	Bromoform	ND	3.8	0.23	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.48	0.16	U
71-43-2	Benzene	ND	0.48	0.16	U
108-88-3	Toluene	ND	0.95	0.52	U
100-41-4	Ethylbenzene	ND	0.95	0.13	U
74-87-3	Chloromethane	ND	3.8	0.89	U
74-83-9	Bromomethane	ND	1.9	0.55	U

Results Summary

Form 1

Volatile Organics by EPA 5035

Client : P. W. Grosser	Lab Number : L2155380
Project Name : HK VENTURES-CALVERTON	Project Number : HKV2101
Lab ID : L2155380-08	Date Collected : 10/11/21 13:45
Client ID : SB008_6-8	Date Received : 10/11/21
Sample Location : 4285 MIDDLE COUNTRY RD, CALVERTON, NY	Date Analyzed : 10/22/21 17:30
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 1,8260C	Analyst : NLK
Lab File ID : V10211022B18	Instrument ID : VOA110
Sample Amount : 6.3 g	GC Column : RTX-VMS
Level : LOW	%Solids : 84
Extract Volume (MeOH) : N/A	Injection Volume : N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
75-01-4	Vinyl chloride	ND	0.95	0.32	U
75-00-3	Chloroethane	ND	1.9	0.43	U
75-35-4	1,1-Dichloroethene	ND	0.95	0.23	U
156-60-5	trans-1,2-Dichloroethene	ND	1.4	0.13	U
79-01-6	Trichloroethene	ND	0.48	0.13	U
95-50-1	1,2-Dichlorobenzene	ND	1.9	0.14	U
541-73-1	1,3-Dichlorobenzene	ND	1.9	0.14	U
106-46-7	1,4-Dichlorobenzene	ND	1.9	0.16	U
1634-04-4	Methyl tert butyl ether	ND	1.9	0.19	U
179601-23-1	p/m-Xylene	ND	1.9	0.53	U
95-47-6	o-Xylene	ND	0.95	0.28	U
1330-20-7	Xylenes, Total	ND	0.95	0.28	U
156-59-2	cis-1,2-Dichloroethene	ND	0.95	0.17	U
540-59-0	1,2-Dichloroethene, Total	ND	0.95	0.13	U
74-95-3	Dibromomethane	ND	1.9	0.23	U
100-42-5	Styrene	ND	0.95	0.19	U
75-71-8	Dichlorodifluoromethane	ND	9.5	0.87	U
67-64-1	Acetone	ND	9.5	4.6	U
75-15-0	Carbon disulfide	ND	9.5	4.3	U
78-93-3	2-Butanone	ND	9.5	2.1	U
108-05-4	Vinyl acetate	ND	9.5	2.0	U
108-10-1	4-Methyl-2-pentanone	ND	9.5	1.2	U
96-18-4	1,2,3-Trichloropropane	ND	1.9	0.12	U
591-78-6	2-Hexanone	ND	9.5	1.1	U



Results Summary

Form 1

Volatile Organics by EPA 5035

Client : P. W. Grosser	Lab Number : L2155380
Project Name : HK VENTURES-CALVERTON	Project Number : HKV2101
Lab ID : L2155380-08	Date Collected : 10/11/21 13:45
Client ID : SB008_6-8	Date Received : 10/11/21
Sample Location : 4285 MIDDLE COUNTRY RD, CALVERTON, NY	Date Analyzed : 10/22/21 17:30
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 1,8260C	Analyst : NLK
Lab File ID : V10211022B18	Instrument ID : VOA110
Sample Amount : 6.3 g	GC Column : RTX-VMS
Level : LOW	%Solids : 84
Extract Volume (MeOH) : N/A	Injection Volume : N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
74-97-5	Bromochloromethane	ND	1.9	0.20	U
594-20-7	2,2-Dichloropropane	ND	1.9	0.19	U
106-93-4	1,2-Dibromoethane	ND	0.95	0.27	U
142-28-9	1,3-Dichloropropane	ND	1.9	0.16	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.48	0.12	U
108-86-1	Bromobenzene	ND	1.9	0.14	U
104-51-8	n-Butylbenzene	ND	0.95	0.16	U
135-98-8	sec-Butylbenzene	ND	0.95	0.14	U
98-06-6	tert-Butylbenzene	ND	1.9	0.11	U
95-49-8	o-Chlorotoluene	ND	1.9	0.18	U
106-43-4	p-Chlorotoluene	ND	1.9	0.10	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.9	0.95	U
87-68-3	Hexachlorobutadiene	ND	3.8	0.16	U
98-82-8	Isopropylbenzene	ND	0.95	0.10	U
99-87-6	p-Isopropyltoluene	ND	0.95	0.10	U
91-20-3	Naphthalene	ND	3.8	0.62	U
107-13-1	Acrylonitrile	ND	3.8	1.1	U
103-65-1	n-Propylbenzene	ND	0.95	0.16	U
87-61-6	1,2,3-Trichlorobenzene	ND	1.9	0.31	U
120-82-1	1,2,4-Trichlorobenzene	ND	1.9	0.26	U
108-67-8	1,3,5-Trimethylbenzene	ND	1.9	0.18	U
95-63-6	1,2,4-Trimethylbenzene	ND	1.9	0.32	U
123-91-1	1,4-Dioxane	ND	76	33.	U
105-05-5	p-Diethylbenzene	ND	1.9	0.17	U



Results Summary

Form 1

Volatile Organics by EPA 5035

Client	: P. W. Grosser	Lab Number	: L2155380
Project Name	: HK VENTURES-CALVERTON	Project Number	: HKV2101
Lab ID	: L2155380-08	Date Collected	: 10/11/21 13:45
Client ID	: SB008_6-8	Date Received	: 10/11/21
Sample Location	: 4285 MIDDLE COUNTRY RD, CALVERTON, NY	Date Analyzed	: 10/22/21 17:30
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: NLK
Lab File ID	: V10211022B18	Instrument ID	: VOA110
Sample Amount	: 6.3 g	GC Column	: RTX-VMS
Level	: LOW	%Solids	: 84
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
622-96-8	p-Ethyltoluene	ND	1.9	0.37	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	1.9	0.18	U
60-29-7	Ethyl ether	ND	1.9	0.32	U
110-57-6	trans-1,4-Dichloro-2-butene	ND	4.8	1.4	U

Results Summary

Form 1

Volatile Organics by EPA 5035

Client : P. W. Grosser	Lab Number : L2155380
Project Name : HK VENTURES-CALVERTON	Project Number : HKV2101
Lab ID : L2155380-09	Date Collected : 10/11/21 14:05
Client ID : SB009_2-4	Date Received : 10/11/21
Sample Location : 4285 MIDDLE COUNTRY RD, CALVERTON, NY	Date Analyzed : 10/22/21 17:58
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 1,8260C	Analyst : NLK
Lab File ID : V10211022B19	Instrument ID : VOA110
Sample Amount : 6.1 g	GC Column : RTX-VMS
Level : LOW	%Solids : 91
Extract Volume (MeOH) : N/A	Injection Volume : N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	4.5	2.1	U
75-34-3	1,1-Dichloroethane	ND	0.90	0.13	U
67-66-3	Chloroform	ND	1.4	0.13	U
56-23-5	Carbon tetrachloride	ND	0.90	0.21	U
78-87-5	1,2-Dichloropropane	ND	0.90	0.11	U
124-48-1	Dibromochloromethane	ND	0.90	0.13	U
79-00-5	1,1,2-Trichloroethane	ND	0.90	0.24	U
127-18-4	Tetrachloroethene	1.8	0.45	0.18	
108-90-7	Chlorobenzene	ND	0.45	0.11	U
75-69-4	Trichlorofluoromethane	ND	3.6	0.63	U
107-06-2	1,2-Dichloroethane	ND	0.90	0.23	U
71-55-6	1,1,1-Trichloroethane	ND	0.45	0.15	U
75-27-4	Bromodichloromethane	ND	0.45	0.10	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.90	0.25	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.45	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.45	0.14	U
563-58-6	1,1-Dichloropropene	ND	0.45	0.14	U
75-25-2	Bromoform	ND	3.6	0.22	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.45	0.15	U
71-43-2	Benzene	0.16	0.45	0.15	J
108-88-3	Toluene	ND	0.90	0.49	U
100-41-4	Ethylbenzene	ND	0.90	0.13	U
74-87-3	Chloromethane	ND	3.6	0.84	U
74-83-9	Bromomethane	ND	1.8	0.52	U



Results Summary

Form 1

Volatile Organics by EPA 5035

Client : P. W. Grosser	Lab Number : L2155380
Project Name : HK VENTURES-CALVERTON	Project Number : HKV2101
Lab ID : L2155380-09	Date Collected : 10/11/21 14:05
Client ID : SB009_2-4	Date Received : 10/11/21
Sample Location : 4285 MIDDLE COUNTRY RD, CALVERTON, NY	Date Analyzed : 10/22/21 17:58
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 1,8260C	Analyst : NLK
Lab File ID : V10211022B19	Instrument ID : VOA110
Sample Amount : 6.1 g	GC Column : RTX-VMS
Level : LOW	%Solids : 91
Extract Volume (MeOH) : N/A	Injection Volume : N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
75-01-4	Vinyl chloride	ND	0.90	0.30	U
75-00-3	Chloroethane	ND	1.8	0.41	U
75-35-4	1,1-Dichloroethene	ND	0.90	0.21	U
156-60-5	trans-1,2-Dichloroethene	ND	1.4	0.12	U
79-01-6	Trichloroethene	ND	0.45	0.12	U
95-50-1	1,2-Dichlorobenzene	ND	1.8	0.13	U
541-73-1	1,3-Dichlorobenzene	ND	1.8	0.13	U
106-46-7	1,4-Dichlorobenzene	ND	1.8	0.15	U
1634-04-4	Methyl tert butyl ether	ND	1.8	0.18	U
179601-23-1	p/m-Xylene	ND	1.8	0.50	U
95-47-6	o-Xylene	ND	0.90	0.26	U
1330-20-7	Xylenes, Total	ND	0.90	0.26	U
156-59-2	cis-1,2-Dichloroethene	ND	0.90	0.16	U
540-59-0	1,2-Dichloroethene, Total	ND	0.90	0.12	U
74-95-3	Dibromomethane	ND	1.8	0.21	U
100-42-5	Styrene	ND	0.90	0.18	U
75-71-8	Dichlorodifluoromethane	ND	9.0	0.83	U
67-64-1	Acetone	ND	9.0	4.3	U
75-15-0	Carbon disulfide	ND	9.0	4.1	U
78-93-3	2-Butanone	ND	9.0	2.0	U
108-05-4	Vinyl acetate	ND	9.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	9.0	1.2	U
96-18-4	1,2,3-Trichloropropane	ND	1.8	0.11	U
591-78-6	2-Hexanone	ND	9.0	1.1	U



Results Summary

Form 1

Volatile Organics by EPA 5035

Client : P. W. Grosser	Lab Number : L2155380
Project Name : HK VENTURES-CALVERTON	Project Number : HKV2101
Lab ID : L2155380-09	Date Collected : 10/11/21 14:05
Client ID : SB009_2-4	Date Received : 10/11/21
Sample Location : 4285 MIDDLE COUNTRY RD, CALVERTON, NY	Date Analyzed : 10/22/21 17:58
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 1,8260C	Analyst : NLK
Lab File ID : V10211022B19	Instrument ID : VOA110
Sample Amount : 6.1 g	GC Column : RTX-VMS
Level : LOW	%Solids : 91
Extract Volume (MeOH) : N/A	Injection Volume : N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
74-97-5	Bromochloromethane	ND	1.8	0.18	U
594-20-7	2,2-Dichloropropane	ND	1.8	0.18	U
106-93-4	1,2-Dibromoethane	ND	0.90	0.25	U
142-28-9	1,3-Dichloropropane	ND	1.8	0.15	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.45	0.12	U
108-86-1	Bromobenzene	ND	1.8	0.13	U
104-51-8	n-Butylbenzene	ND	0.90	0.15	U
135-98-8	sec-Butylbenzene	ND	0.90	0.13	U
98-06-6	tert-Butylbenzene	ND	1.8	0.11	U
95-49-8	o-Chlorotoluene	ND	1.8	0.17	U
106-43-4	p-Chlorotoluene	ND	1.8	0.10	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.7	0.90	U
87-68-3	Hexachlorobutadiene	ND	3.6	0.15	U
98-82-8	Isopropylbenzene	ND	0.90	0.10	U
99-87-6	p-Isopropyltoluene	ND	0.90	0.10	U
91-20-3	Naphthalene	9.2	3.6	0.59	
107-13-1	Acrylonitrile	ND	3.6	1.0	U
103-65-1	n-Propylbenzene	ND	0.90	0.15	U
87-61-6	1,2,3-Trichlorobenzene	ND	1.8	0.29	U
120-82-1	1,2,4-Trichlorobenzene	ND	1.8	0.24	U
108-67-8	1,3,5-Trimethylbenzene	ND	1.8	0.17	U
95-63-6	1,2,4-Trimethylbenzene	ND	1.8	0.30	U
123-91-1	1,4-Dioxane	ND	72	32.	U
105-05-5	p-Diethylbenzene	ND	1.8	0.16	U



Results Summary

Form 1

Volatile Organics by EPA 5035

Client	: P. W. Grosser	Lab Number	: L2155380
Project Name	: HK VENTURES-CALVERTON	Project Number	: HKV2101
Lab ID	: L2155380-09	Date Collected	: 10/11/21 14:05
Client ID	: SB009_2-4	Date Received	: 10/11/21
Sample Location	: 4285 MIDDLE COUNTRY RD, CALVERTON, NY	Date Analyzed	: 10/22/21 17:58
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: NLK
Lab File ID	: V10211022B19	Instrument ID	: VOA110
Sample Amount	: 6.1 g	GC Column	: RTX-VMS
Level	: LOW	%Solids	: 91
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
622-96-8	p-Ethyltoluene	ND	1.8	0.35	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	1.8	0.17	U
60-29-7	Ethyl ether	ND	1.8	0.31	U
110-57-6	trans-1,4-Dichloro-2-butene	ND	4.5	1.3	U

Results Summary

Form 1

Volatile Organics by EPA 5035

Client : P. W. Grosser	Lab Number : L2155380
Project Name : HK VENTURES-CALVERTON	Project Number : HKV2101
Lab ID : L2155380-10	Date Collected : 10/11/21 14:25
Client ID : SB010_6-8	Date Received : 10/11/21
Sample Location : 4285 MIDDLE COUNTRY RD, CALVERTON, NY	Date Analyzed : 10/22/21 18:26
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 1,8260C	Analyst : NLK
Lab File ID : V10211022B20	Instrument ID : VOA110
Sample Amount : 6.1 g	GC Column : RTX-VMS
Level : LOW	%Solids : 91
Extract Volume (MeOH) : N/A	Injection Volume : N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	4.5	2.1	U
75-34-3	1,1-Dichloroethane	ND	0.90	0.13	U
67-66-3	Chloroform	ND	1.4	0.13	U
56-23-5	Carbon tetrachloride	ND	0.90	0.21	U
78-87-5	1,2-Dichloropropane	ND	0.90	0.11	U
124-48-1	Dibromochloromethane	ND	0.90	0.13	U
79-00-5	1,1,2-Trichloroethane	ND	0.90	0.24	U
127-18-4	Tetrachloroethene	ND	0.45	0.18	U
108-90-7	Chlorobenzene	ND	0.45	0.11	U
75-69-4	Trichlorofluoromethane	ND	3.6	0.63	U
107-06-2	1,2-Dichloroethane	ND	0.90	0.23	U
71-55-6	1,1,1-Trichloroethane	ND	0.45	0.15	U
75-27-4	Bromodichloromethane	ND	0.45	0.10	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.90	0.25	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.45	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.45	0.14	U
563-58-6	1,1-Dichloropropene	ND	0.45	0.14	U
75-25-2	Bromoform	ND	3.6	0.22	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.45	0.15	U
71-43-2	Benzene	0.30	0.45	0.15	J
108-88-3	Toluene	ND	0.90	0.49	U
100-41-4	Ethylbenzene	ND	0.90	0.13	U
74-87-3	Chloromethane	ND	3.6	0.84	U
74-83-9	Bromomethane	ND	1.8	0.52	U



Results Summary

Form 1

Volatile Organics by EPA 5035

Client : P. W. Grosser	Lab Number : L2155380
Project Name : HK VENTURES-CALVERTON	Project Number : HKV2101
Lab ID : L2155380-10	Date Collected : 10/11/21 14:25
Client ID : SB010_6-8	Date Received : 10/11/21
Sample Location : 4285 MIDDLE COUNTRY RD, CALVERTON, NY	Date Analyzed : 10/22/21 18:26
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 1,8260C	Analyst : NLK
Lab File ID : V10211022B20	Instrument ID : VOA110
Sample Amount : 6.1 g	GC Column : RTX-VMS
Level : LOW	%Solids : 91
Extract Volume (MeOH) : N/A	Injection Volume : N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
75-01-4	Vinyl chloride	ND	0.90	0.30	U
75-00-3	Chloroethane	ND	1.8	0.41	U
75-35-4	1,1-Dichloroethene	ND	0.90	0.22	U
156-60-5	trans-1,2-Dichloroethene	ND	1.4	0.12	U
79-01-6	Trichloroethene	ND	0.45	0.12	U
95-50-1	1,2-Dichlorobenzene	ND	1.8	0.13	U
541-73-1	1,3-Dichlorobenzene	ND	1.8	0.13	U
106-46-7	1,4-Dichlorobenzene	ND	1.8	0.15	U
1634-04-4	Methyl tert butyl ether	ND	1.8	0.18	U
179601-23-1	p/m-Xylene	ND	1.8	0.51	U
95-47-6	o-Xylene	ND	0.90	0.26	U
1330-20-7	Xylenes, Total	ND	0.90	0.26	U
156-59-2	cis-1,2-Dichloroethene	ND	0.90	0.16	U
540-59-0	1,2-Dichloroethene, Total	ND	0.90	0.12	U
74-95-3	Dibromomethane	ND	1.8	0.22	U
100-42-5	Styrene	ND	0.90	0.18	U
75-71-8	Dichlorodifluoromethane	ND	9.0	0.83	U
67-64-1	Acetone	210	9.0	4.4	
75-15-0	Carbon disulfide	ND	9.0	4.1	U
78-93-3	2-Butanone	29	9.0	2.0	
108-05-4	Vinyl acetate	ND	9.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	9.0	1.2	U
96-18-4	1,2,3-Trichloropropane	ND	1.8	0.11	U
591-78-6	2-Hexanone	ND	9.0	1.1	U



Results Summary

Form 1

Volatile Organics by EPA 5035

Client : P. W. Grosser	Lab Number : L2155380
Project Name : HK VENTURES-CALVERTON	Project Number : HKV2101
Lab ID : L2155380-10	Date Collected : 10/11/21 14:25
Client ID : SB010_6-8	Date Received : 10/11/21
Sample Location : 4285 MIDDLE COUNTRY RD, CALVERTON, NY	Date Analyzed : 10/22/21 18:26
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 1,8260C	Analyst : NLK
Lab File ID : V10211022B20	Instrument ID : VOA110
Sample Amount : 6.1 g	GC Column : RTX-VMS
Level : LOW	%Solids : 91
Extract Volume (MeOH) : N/A	Injection Volume : N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
74-97-5	Bromochloromethane	ND	1.8	0.18	U
594-20-7	2,2-Dichloropropane	ND	1.8	0.18	U
106-93-4	1,2-Dibromoethane	ND	0.90	0.25	U
142-28-9	1,3-Dichloropropane	ND	1.8	0.15	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.45	0.12	U
108-86-1	Bromobenzene	ND	1.8	0.13	U
104-51-8	n-Butylbenzene	ND	0.90	0.15	U
135-98-8	sec-Butylbenzene	ND	0.90	0.13	U
98-06-6	tert-Butylbenzene	ND	1.8	0.11	U
95-49-8	o-Chlorotoluene	ND	1.8	0.17	U
106-43-4	p-Chlorotoluene	ND	1.8	0.10	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.7	0.90	U
87-68-3	Hexachlorobutadiene	ND	3.6	0.15	U
98-82-8	Isopropylbenzene	ND	0.90	0.10	U
99-87-6	p-Isopropyltoluene	ND	0.90	0.10	U
91-20-3	Naphthalene	ND	3.6	0.59	U
107-13-1	Acrylonitrile	ND	3.6	1.0	U
103-65-1	n-Propylbenzene	ND	0.90	0.15	U
87-61-6	1,2,3-Trichlorobenzene	ND	1.8	0.29	U
120-82-1	1,2,4-Trichlorobenzene	ND	1.8	0.25	U
108-67-8	1,3,5-Trimethylbenzene	ND	1.8	0.17	U
95-63-6	1,2,4-Trimethylbenzene	ND	1.8	0.30	U
123-91-1	1,4-Dioxane	ND	72	32.	U
105-05-5	p-Diethylbenzene	ND	1.8	0.16	U



Results Summary

Form 1

Volatile Organics by EPA 5035

Client	: P. W. Grosser	Lab Number	: L2155380
Project Name	: HK VENTURES-CALVERTON	Project Number	: HKV2101
Lab ID	: L2155380-10	Date Collected	: 10/11/21 14:25
Client ID	: SB010_6-8	Date Received	: 10/11/21
Sample Location	: 4285 MIDDLE COUNTRY RD, CALVERTON, NY	Date Analyzed	: 10/22/21 18:26
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: NLK
Lab File ID	: V10211022B20	Instrument ID	: VOA110
Sample Amount	: 6.1 g	GC Column	: RTX-VMS
Level	: LOW	%Solids	: 91
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
622-96-8	p-Ethyltoluene	ND	1.8	0.35	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	1.8	0.17	U
60-29-7	Ethyl ether	ND	1.8	0.31	U
110-57-6	trans-1,4-Dichloro-2-butene	ND	4.5	1.3	U

Results Summary

Form 1

Volatile Organics by EPA 5035

Client : P. W. Grosser
 Project Name : HK VENTURES-CALVERTON
 Lab ID : WG1562024-5
 Client ID : WG1562024-5BLANK
 Sample Location :
 Sample Matrix : SOIL
 Analytical Method : 1,8260C
 Lab File ID : V10211022B04
 Sample Amount : 5.0 g
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2155380
 Project Number : HKV2101
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 10/22/21 11:05
 Dilution Factor : 1
 Analyst : AJK
 Instrument ID : VOA110
 GC Column : RTX-VMS
 %Solids : NA
 Injection Volume : N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	5.0	2.3	U
75-34-3	1,1-Dichloroethane	ND	1.0	0.14	U
67-66-3	Chloroform	ND	1.5	0.14	U
56-23-5	Carbon tetrachloride	ND	1.0	0.23	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.12	U
124-48-1	Dibromochloromethane	ND	1.0	0.14	U
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.27	U
127-18-4	Tetrachloroethene	ND	0.50	0.20	U
108-90-7	Chlorobenzene	ND	0.50	0.13	U
75-69-4	Trichlorofluoromethane	ND	4.0	0.70	U
107-06-2	1,2-Dichloroethane	ND	1.0	0.26	U
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.17	U
75-27-4	Bromodichloromethane	ND	0.50	0.11	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.27	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.16	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.16	U
563-58-6	1,1-Dichloropropene	ND	0.50	0.16	U
75-25-2	Bromoform	ND	4.0	0.25	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.17	U
108-88-3	Toluene	ND	1.0	0.54	U
100-41-4	Ethylbenzene	ND	1.0	0.14	U
74-87-3	Chloromethane	ND	4.0	0.93	U
74-83-9	Bromomethane	ND	2.0	0.58	U
75-01-4	Vinyl chloride	ND	1.0	0.34	U



Results Summary

Form 1

Volatile Organics by EPA 5035

Client : P. W. Grosser
 Project Name : HK VENTURES-CALVERTON
 Lab ID : WG1562024-5
 Client ID : WG1562024-5BLANK
 Sample Location :
 Sample Matrix : SOIL
 Analytical Method : 1,8260C
 Lab File ID : V10211022B04
 Sample Amount : 5.0 g
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2155380
 Project Number : HKV2101
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 10/22/21 11:05
 Dilution Factor : 1
 Analyst : AJK
 Instrument ID : VOA110
 GC Column : RTX-VMS
 %Solids : NA
 Injection Volume : N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
75-00-3	Chloroethane	ND	2.0	0.45	U
75-35-4	1,1-Dichloroethene	ND	1.0	0.24	U
156-60-5	trans-1,2-Dichloroethene	ND	1.5	0.14	U
79-01-6	Trichloroethene	ND	0.50	0.14	U
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.14	U
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.15	U
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.17	U
1634-04-4	Methyl tert butyl ether	ND	2.0	0.20	U
179601-23-1	p/m-Xylene	ND	2.0	0.56	U
95-47-6	o-Xylene	ND	1.0	0.29	U
1330-20-7	Xylenes, Total	ND	1.0	0.29	U
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.18	U
540-59-0	1,2-Dichloroethene, Total	ND	1.0	0.14	U
74-95-3	Dibromomethane	ND	2.0	0.24	U
100-42-5	Styrene	0.78	1.0	0.20	J
75-71-8	Dichlorodifluoromethane	ND	10	0.92	U
67-64-1	Acetone	ND	10	4.8	U
75-15-0	Carbon disulfide	ND	10	4.6	U
78-93-3	2-Butanone	ND	10	2.2	U
108-05-4	Vinyl acetate	ND	10	2.2	U
108-10-1	4-Methyl-2-pentanone	ND	10	1.3	U
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.13	U
591-78-6	2-Hexanone	ND	10	1.2	U
74-97-5	Bromochloromethane	ND	2.0	0.20	U
594-20-7	2,2-Dichloropropane	ND	2.0	0.20	U



Results Summary

Form 1

Volatile Organics by EPA 5035

Client : P. W. Grosser
 Project Name : HK VENTURES-CALVERTON
 Lab ID : WG1562024-5
 Client ID : WG1562024-5BLANK
 Sample Location :
 Sample Matrix : SOIL
 Analytical Method : 1,8260C
 Lab File ID : V10211022B04
 Sample Amount : 5.0 g
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2155380
 Project Number : HKV2101
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 10/22/21 11:05
 Dilution Factor : 1
 Analyst : AJK
 Instrument ID : VOA110
 GC Column : RTX-VMS
 %Solids : NA
 Injection Volume : N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
106-93-4	1,2-Dibromoethane	ND	1.0	0.28	U
142-28-9	1,3-Dichloropropane	ND	2.0	0.17	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.50	0.13	U
108-86-1	Bromobenzene	ND	2.0	0.14	U
104-51-8	n-Butylbenzene	ND	1.0	0.17	U
135-98-8	sec-Butylbenzene	ND	1.0	0.15	U
98-06-6	tert-Butylbenzene	ND	2.0	0.12	U
95-49-8	o-Chlorotoluene	ND	2.0	0.19	U
106-43-4	p-Chlorotoluene	ND	2.0	0.11	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	3.0	1.0	U
87-68-3	Hexachlorobutadiene	ND	4.0	0.17	U
98-82-8	Isopropylbenzene	ND	1.0	0.11	U
99-87-6	p-Isopropyltoluene	ND	1.0	0.11	U
91-20-3	Naphthalene	ND	4.0	0.65	U
107-13-1	Acrylonitrile	ND	4.0	1.2	U
103-65-1	n-Propylbenzene	ND	1.0	0.17	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.32	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.27	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.19	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.33	U
123-91-1	1,4-Dioxane	ND	80	35.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.18	U
622-96-8	p-Ethyltoluene	ND	2.0	0.38	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.19	U
60-29-7	Ethyl ether	ND	2.0	0.34	U



Results Summary

Form 1

Volatile Organics by EPA 5035

Client	: P. W. Grosser	Lab Number	: L2155380
Project Name	: HK VENTURES-CALVERTON	Project Number	: HKV2101
Lab ID	: WG1562024-5	Date Collected	: NA
Client ID	: WG1562024-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 10/22/21 11:05
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: AJK
Lab File ID	: V10211022B04	Instrument ID	: VOA110
Sample Amount	: 5.0 g	GC Column	: RTX-VMS
Level	: LOW	%Solids	: NA
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
110-57-6	trans-1,4-Dichloro-2-butene	ND	5.0	1.4	U



Semivolatiles Data- Method 8270D

Semivolatile Sample Data

Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : P. W. Grosser Project Name : HK VENTURES-CALVERTON Lab ID : L2155380-01 Client ID : SB001_0-2 Sample Location : 4285 MIDDLE COUNTRY RD, CALVERTON, NY Sample Matrix : SOIL Analytical Method : 1,8270D Lab File ID : 55380-01 Sample Amount : 30.29 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N	Lab Number : L2155380 Project Number : HKV2101 Date Collected : 10/11/21 11:10 Date Received : 10/11/21 Date Analyzed : 10/13/21 16:42 Date Extracted : 10/12/21 Dilution Factor : 1 Analyst : JG Instrument ID : SV112 GC Column : RTX5-MS %Solids : 94 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
83-32-9	Acenaphthene	ND	140	18.	U
120-82-1	1,2,4-Trichlorobenzene	ND	180	20.	U
118-74-1	Hexachlorobenzene	ND	100	20.	U
111-44-4	Bis(2-chloroethyl)ether	ND	160	24.	U
91-58-7	2-Chloronaphthalene	ND	180	17.	U
95-50-1	1,2-Dichlorobenzene	ND	180	31.	U
541-73-1	1,3-Dichlorobenzene	ND	180	30.	U
106-46-7	1,4-Dichlorobenzene	ND	180	30.	U
91-94-1	3,3'-Dichlorobenzidine	ND	180	47.	U
121-14-2	2,4-Dinitrotoluene	ND	180	35.	U
606-20-2	2,6-Dinitrotoluene	ND	180	30.	U
206-44-0	Fluoranthene	ND	100	20.	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	180	19.	U
101-55-3	4-Bromophenyl phenyl ether	ND	180	27.	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	210	30.	U
111-91-1	Bis(2-chloroethoxy)methane	ND	190	18.	U
87-68-3	Hexachlorobutadiene	ND	180	26.	U
77-47-4	Hexachlorocyclopentadiene	ND	500	160	U
67-72-1	Hexachloroethane	ND	140	28.	U
78-59-1	Isophorone	ND	160	23.	U
91-20-3	Naphthalene	ND	180	21.	U

Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : P. W. Grosser Project Name : HK VENTURES-CALVERTON Lab ID : L2155380-01 Client ID : SB001_0-2 Sample Location : 4285 MIDDLE COUNTRY RD, CALVERTON, NY Sample Matrix : SOIL Analytical Method : 1,8270D Lab File ID : 55380-01 Sample Amount : 30.29 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N	Lab Number : L2155380 Project Number : HKV2101 Date Collected : 10/11/21 11:10 Date Received : 10/11/21 Date Analyzed : 10/13/21 16:42 Date Extracted : 10/12/21 Dilution Factor : 1 Analyst : JG Instrument ID : SV112 GC Column : RTX5-MS %Solids : 94 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
98-95-3	Nitrobenzene	ND	160	26.	U
86-30-6	NDPA/DPA	ND	140	20.	U
621-64-7	n-Nitrosodi-n-propylamine	ND	180	27.	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	180	61.	U
85-68-7	Butyl benzyl phthalate	ND	180	44.	U
84-74-2	Di-n-butylphthalate	ND	180	33.	U
117-84-0	Di-n-octylphthalate	ND	180	60.	U
84-66-2	Diethyl phthalate	ND	180	16.	U
131-11-3	Dimethyl phthalate	ND	180	37.	U
56-55-3	Benzo(a)anthracene	ND	100	20.	U
50-32-8	Benzo(a)pyrene	ND	140	43.	U
205-99-2	Benzo(b)fluoranthene	ND	100	30.	U
207-08-9	Benzo(k)fluoranthene	ND	100	28.	U
218-01-9	Chrysene	ND	100	18.	U
208-96-8	Acenaphthylene	ND	140	27.	U
120-12-7	Anthracene	ND	100	34.	U
191-24-2	Benzo(ghi)perylene	ND	140	21.	U
86-73-7	Fluorene	ND	180	17.	U
85-01-8	Phenanthrene	ND	100	21.	U
53-70-3	Dibenzo(a,h)anthracene	ND	100	20.	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	140	24.	U

Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : P. W. Grosser Project Name : HK VENTURES-CALVERTON Lab ID : L2155380-01 Client ID : SB001_0-2 Sample Location : 4285 MIDDLE COUNTRY RD, CALVERTON, NY Sample Matrix : SOIL Analytical Method : 1,8270D Lab File ID : 55380-01 Sample Amount : 30.29 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N	Lab Number : L2155380 Project Number : HKV2101 Date Collected : 10/11/21 11:10 Date Received : 10/11/21 Date Analyzed : 10/13/21 16:42 Date Extracted : 10/12/21 Dilution Factor : 1 Analyst : JG Instrument ID : SV112 GC Column : RTX5-MS %Solids : 94 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
129-00-0	Pyrene	ND	100	17.	U
92-52-4	Biphenyl	ND	400	41.	U
106-47-8	4-Chloroaniline	ND	180	32.	U
88-74-4	2-Nitroaniline	ND	180	34.	U
99-09-2	3-Nitroaniline	ND	180	33.	U
100-01-6	4-Nitroaniline	ND	180	72.	U
132-64-9	Dibenzofuran	ND	180	16.	U
91-57-6	2-Methylnaphthalene	ND	210	21.	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	180	18.	U
98-86-2	Acetophenone	ND	180	22.	U
88-06-2	2,4,6-Trichlorophenol	ND	100	33.	U
59-50-7	p-Chloro-m-cresol	ND	180	26.	U
95-57-8	2-Chlorophenol	ND	180	21.	U
120-83-2	2,4-Dichlorophenol	ND	160	28.	U
105-67-9	2,4-Dimethylphenol	ND	180	58.	U
88-75-5	2-Nitrophenol	ND	380	66.	U
100-02-7	4-Nitrophenol	ND	240	71.	U
51-28-5	2,4-Dinitrophenol	ND	840	82.	U
534-52-1	4,6-Dinitro-o-cresol	ND	460	84.	U
87-86-5	Pentachlorophenol	ND	140	38.	U
108-95-2	Phenol	ND	180	26.	U

Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : P. W. Grosser Project Name : HK VENTURES-CALVERTON Lab ID : L2155380-01 Client ID : SB001_0-2 Sample Location : 4285 MIDDLE COUNTRY RD, CALVERTON, NY Sample Matrix : SOIL Analytical Method : 1,8270D Lab File ID : 55380-01 Sample Amount : 30.29 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N	Lab Number : L2155380 Project Number : HKV2101 Date Collected : 10/11/21 11:10 Date Received : 10/11/21 Date Analyzed : 10/13/21 16:42 Date Extracted : 10/12/21 Dilution Factor : 1 Analyst : JG Instrument ID : SV112 GC Column : RTX5-MS %Solids : 94 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
95-48-7	2-Methylphenol	ND	180	27.	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	250	27.	U
95-95-4	2,4,5-Trichlorophenol	ND	180	34.	U
65-85-0	Benzoic Acid	ND	570	180	U
100-51-6	Benzyl Alcohol	ND	180	54.	U
86-74-8	Carbazole	ND	180	17.	U
123-91-1	1,4-Dioxane	ND	26	8.1	U

Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : P. W. Grosser Project Name : HK VENTURES-CALVERTON Lab ID : L2155380-02 Client ID : SB002_3-5 Sample Location : 4285 MIDDLE COUNTRY RD, CALVERTON, NY Sample Matrix : SOIL Analytical Method : 1,8270D Lab File ID : 55380-02 Sample Amount : 30.84 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N	Lab Number : L2155380 Project Number : HKV2101 Date Collected : 10/11/21 11:30 Date Received : 10/11/21 Date Analyzed : 10/22/21 17:04 Date Extracted : 10/12/21 Dilution Factor : 1 Analyst : JG Instrument ID : SV112 GC Column : RTX5-MS %Solids : 98 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
83-32-9	Acenaphthene	ND	130	17.	U
120-82-1	1,2,4-Trichlorobenzene	ND	160	19.	U
118-74-1	Hexachlorobenzene	ND	99	18.	U
111-44-4	Bis(2-chloroethyl)ether	ND	150	22.	U
91-58-7	2-Chloronaphthalene	ND	160	16.	U
95-50-1	1,2-Dichlorobenzene	ND	160	30.	U
541-73-1	1,3-Dichlorobenzene	ND	160	28.	U
106-46-7	1,4-Dichlorobenzene	ND	160	29.	U
91-94-1	3,3'-Dichlorobenzidine	ND	160	44.	U
121-14-2	2,4-Dinitrotoluene	ND	160	33.	U
606-20-2	2,6-Dinitrotoluene	ND	160	28.	U
206-44-0	Fluoranthene	ND	99	19.	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	160	18.	U
101-55-3	4-Bromophenyl phenyl ether	ND	160	25.	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	200	28.	U
111-91-1	Bis(2-chloroethoxy)methane	ND	180	17.	U
87-68-3	Hexachlorobutadiene	ND	160	24.	U
77-47-4	Hexachlorocyclopentadiene	ND	470	150	U
67-72-1	Hexachloroethane	ND	130	27.	U
78-59-1	Isophorone	ND	150	22.	U
91-20-3	Naphthalene	ND	160	20.	U

Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : P. W. Grosser Project Name : HK VENTURES-CALVERTON Lab ID : L2155380-02 Client ID : SB002_3-5 Sample Location : 4285 MIDDLE COUNTRY RD, CALVERTON, NY Sample Matrix : SOIL Analytical Method : 1,8270D Lab File ID : 55380-02 Sample Amount : 30.84 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N	Lab Number : L2155380 Project Number : HKV2101 Date Collected : 10/11/21 11:30 Date Received : 10/11/21 Date Analyzed : 10/22/21 17:04 Date Extracted : 10/12/21 Dilution Factor : 1 Analyst : JG Instrument ID : SV112 GC Column : RTX5-MS %Solids : 98 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
98-95-3	Nitrobenzene	ND	150	24.	U
86-30-6	NDPA/DPA	ND	130	19.	U
621-64-7	n-Nitrosodi-n-propylamine	ND	160	26.	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	160	57.	U
85-68-7	Butyl benzyl phthalate	ND	160	42.	U
84-74-2	Di-n-butylphthalate	ND	160	31.	U
117-84-0	Di-n-octylphthalate	ND	160	56.	U
84-66-2	Diethyl phthalate	ND	160	15.	U
131-11-3	Dimethyl phthalate	ND	160	35.	U
56-55-3	Benzo(a)anthracene	ND	99	19.	U
50-32-8	Benzo(a)pyrene	ND	130	40.	U
205-99-2	Benzo(b)fluoranthene	ND	99	28.	U
207-08-9	Benzo(k)fluoranthene	ND	99	26.	U
218-01-9	Chrysene	ND	99	17.	U
208-96-8	Acenaphthylene	ND	130	26.	U
120-12-7	Anthracene	ND	99	32.	U
191-24-2	Benzo(ghi)perylene	ND	130	19.	U
86-73-7	Fluorene	ND	160	16.	U
85-01-8	Phenanthrene	ND	99	20.	U
53-70-3	Dibenzo(a,h)anthracene	ND	99	19.	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	130	23.	U

Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : P. W. Grosser Project Name : HK VENTURES-CALVERTON Lab ID : L2155380-02 Client ID : SB002_3-5 Sample Location : 4285 MIDDLE COUNTRY RD, CALVERTON, NY Sample Matrix : SOIL Analytical Method : 1,8270D Lab File ID : 55380-02 Sample Amount : 30.84 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N	Lab Number : L2155380 Project Number : HKV2101 Date Collected : 10/11/21 11:30 Date Received : 10/11/21 Date Analyzed : 10/22/21 17:04 Date Extracted : 10/12/21 Dilution Factor : 1 Analyst : JG Instrument ID : SV112 GC Column : RTX5-MS %Solids : 98 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
129-00-0	Pyrene	ND	99	16.	U
92-52-4	Biphenyl	ND	380	38.	U
106-47-8	4-Chloroaniline	ND	160	30.	U
88-74-4	2-Nitroaniline	ND	160	32.	U
99-09-2	3-Nitroaniline	ND	160	31.	U
100-01-6	4-Nitroaniline	ND	160	69.	U
132-64-9	Dibenzofuran	ND	160	16.	U
91-57-6	2-Methylnaphthalene	ND	200	20.	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	160	17.	U
98-86-2	Acetophenone	ND	160	20.	U
88-06-2	2,4,6-Trichlorophenol	ND	99	31.	U
59-50-7	p-Chloro-m-cresol	ND	160	25.	U
95-57-8	2-Chlorophenol	ND	160	20.	U
120-83-2	2,4-Dichlorophenol	ND	150	27.	U
105-67-9	2,4-Dimethylphenol	ND	160	55.	U
88-75-5	2-Nitrophenol	ND	360	62.	U
100-02-7	4-Nitrophenol	ND	230	68.	U
51-28-5	2,4-Dinitrophenol	ND	800	77.	U
534-52-1	4,6-Dinitro-o-cresol	ND	430	80.	U
87-86-5	Pentachlorophenol	ND	130	36.	U
108-95-2	Phenol	ND	160	25.	U

Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : P. W. Grosser Project Name : HK VENTURES-CALVERTON Lab ID : L2155380-02 Client ID : SB002_3-5 Sample Location : 4285 MIDDLE COUNTRY RD, CALVERTON, NY Sample Matrix : SOIL Analytical Method : 1,8270D Lab File ID : 55380-02 Sample Amount : 30.84 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N	Lab Number : L2155380 Project Number : HKV2101 Date Collected : 10/11/21 11:30 Date Received : 10/11/21 Date Analyzed : 10/22/21 17:04 Date Extracted : 10/12/21 Dilution Factor : 1 Analyst : JG Instrument ID : SV112 GC Column : RTX5-MS %Solids : 98 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
95-48-7	2-Methylphenol	ND	160	26.	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	240	26.	U
95-95-4	2,4,5-Trichlorophenol	ND	160	32.	U
65-85-0	Benzoic Acid	ND	540	170	U
100-51-6	Benzyl Alcohol	ND	160	51.	U
86-74-8	Carbazole	ND	160	16.	U
123-91-1	1,4-Dioxane	ND	25	7.6	U

Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : P. W. Grosser Project Name : HK VENTURES-CALVERTON Lab ID : L2155380-03 Client ID : SB003_2-4 Sample Location : 4285 MIDDLE COUNTRY RD, CALVERTON, NY Sample Matrix : SOIL Analytical Method : 1,8270D Lab File ID : 55380-03 Sample Amount : 30.33 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N	Lab Number : L2155380 Project Number : HKV2101 Date Collected : 10/11/21 11:50 Date Received : 10/11/21 Date Analyzed : 10/23/21 03:11 Date Extracted : 10/12/21 Dilution Factor : 1 Analyst : IM Instrument ID : SV112 GC Column : RTX5-MS %Solids : 89 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
83-32-9	Acenaphthene	ND	150	19.	U
120-82-1	1,2,4-Trichlorobenzene	ND	180	21.	U
118-74-1	Hexachlorobenzene	ND	110	21.	U
111-44-4	Bis(2-chloroethyl)ether	ND	170	25.	U
91-58-7	2-Chloronaphthalene	ND	180	18.	U
95-50-1	1,2-Dichlorobenzene	ND	180	33.	U
541-73-1	1,3-Dichlorobenzene	ND	180	32.	U
106-46-7	1,4-Dichlorobenzene	ND	180	32.	U
91-94-1	3,3'-Dichlorobenzidine	ND	180	49.	U
121-14-2	2,4-Dinitrotoluene	ND	180	37.	U
606-20-2	2,6-Dinitrotoluene	ND	180	32.	U
206-44-0	Fluoranthene	ND	110	21.	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	180	20.	U
101-55-3	4-Bromophenyl phenyl ether	ND	180	28.	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	220	32.	U
111-91-1	Bis(2-chloroethoxy)methane	ND	200	18.	U
87-68-3	Hexachlorobutadiene	ND	180	27.	U
77-47-4	Hexachlorocyclopentadiene	ND	530	170	U
67-72-1	Hexachloroethane	ND	150	30.	U
78-59-1	Isophorone	ND	170	24.	U
91-20-3	Naphthalene	ND	180	22.	U

Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : P. W. Grosser Project Name : HK VENTURES-CALVERTON Lab ID : L2155380-03 Client ID : SB003_2-4 Sample Location : 4285 MIDDLE COUNTRY RD, CALVERTON, NY Sample Matrix : SOIL Analytical Method : 1,8270D Lab File ID : 55380-03 Sample Amount : 30.33 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N	Lab Number : L2155380 Project Number : HKV2101 Date Collected : 10/11/21 11:50 Date Received : 10/11/21 Date Analyzed : 10/23/21 03:11 Date Extracted : 10/12/21 Dilution Factor : 1 Analyst : IM Instrument ID : SV112 GC Column : RTX5-MS %Solids : 89 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
98-95-3	Nitrobenzene	ND	170	27.	U
86-30-6	NDPA/DPA	ND	150	21.	U
621-64-7	n-Nitrosodi-n-propylamine	ND	180	29.	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	180	64.	U
85-68-7	Butyl benzyl phthalate	ND	180	47.	U
84-74-2	Di-n-butylphthalate	ND	180	35.	U
117-84-0	Di-n-octylphthalate	ND	180	63.	U
84-66-2	Diethyl phthalate	ND	180	17.	U
131-11-3	Dimethyl phthalate	ND	180	39.	U
56-55-3	Benzo(a)anthracene	ND	110	21.	U
50-32-8	Benzo(a)pyrene	ND	150	45.	U
205-99-2	Benzo(b)fluoranthene	ND	110	31.	U
207-08-9	Benzo(k)fluoranthene	ND	110	30.	U
218-01-9	Chrysene	ND	110	19.	U
208-96-8	Acenaphthylene	ND	150	29.	U
120-12-7	Anthracene	ND	110	36.	U
191-24-2	Benzo(ghi)perylene	ND	150	22.	U
86-73-7	Fluorene	ND	180	18.	U
85-01-8	Phenanthrene	ND	110	22.	U
53-70-3	Dibenzo(a,h)anthracene	ND	110	21.	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	150	26.	U

Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : P. W. Grosser Project Name : HK VENTURES-CALVERTON Lab ID : L2155380-03 Client ID : SB003_2-4 Sample Location : 4285 MIDDLE COUNTRY RD, CALVERTON, NY Sample Matrix : SOIL Analytical Method : 1,8270D Lab File ID : 55380-03 Sample Amount : 30.33 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N	Lab Number : L2155380 Project Number : HKV2101 Date Collected : 10/11/21 11:50 Date Received : 10/11/21 Date Analyzed : 10/23/21 03:11 Date Extracted : 10/12/21 Dilution Factor : 1 Analyst : IM Instrument ID : SV112 GC Column : RTX5-MS %Solids : 89 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
129-00-0	Pyrene	ND	110	18.	U
92-52-4	Biphenyl	ND	420	43.	U
106-47-8	4-Chloroaniline	ND	180	34.	U
88-74-4	2-Nitroaniline	ND	180	36.	U
99-09-2	3-Nitroaniline	ND	180	35.	U
100-01-6	4-Nitroaniline	ND	180	77.	U
132-64-9	Dibenzofuran	ND	180	18.	U
91-57-6	2-Methylnaphthalene	ND	220	22.	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	180	19.	U
98-86-2	Acetophenone	ND	180	23.	U
88-06-2	2,4,6-Trichlorophenol	ND	110	35.	U
59-50-7	p-Chloro-m-cresol	ND	180	28.	U
95-57-8	2-Chlorophenol	ND	180	22.	U
120-83-2	2,4-Dichlorophenol	ND	170	30.	U
105-67-9	2,4-Dimethylphenol	ND	180	61.	U
88-75-5	2-Nitrophenol	ND	400	70.	U
100-02-7	4-Nitrophenol	ND	260	76.	U
51-28-5	2,4-Dinitrophenol	ND	890	86.	U
534-52-1	4,6-Dinitro-o-cresol	ND	480	89.	U
87-86-5	Pentachlorophenol	ND	150	41.	U
108-95-2	Phenol	ND	180	28.	U

Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : P. W. Grosser Project Name : HK VENTURES-CALVERTON Lab ID : L2155380-03 Client ID : SB003_2-4 Sample Location : 4285 MIDDLE COUNTRY RD, CALVERTON, NY Sample Matrix : SOIL Analytical Method : 1,8270D Lab File ID : 55380-03 Sample Amount : 30.33 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N	Lab Number : L2155380 Project Number : HKV2101 Date Collected : 10/11/21 11:50 Date Received : 10/11/21 Date Analyzed : 10/23/21 03:11 Date Extracted : 10/12/21 Dilution Factor : 1 Analyst : IM Instrument ID : SV112 GC Column : RTX5-MS %Solids : 89 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
95-48-7	2-Methylphenol	ND	180	29.	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	270	29.	U
95-95-4	2,4,5-Trichlorophenol	ND	180	36.	U
65-85-0	Benzoic Acid	ND	600	190	U
100-51-6	Benzyl Alcohol	ND	180	57.	U
86-74-8	Carbazole	ND	180	18.	U
123-91-1	1,4-Dioxane	ND	28	8.5	U

Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : P. W. Grosser Project Name : HK VENTURES-CALVERTON Lab ID : L2155380-04 Client ID : SB004_4-6 Sample Location : 4285 MIDDLE COUNTRY RD, CALVERTON, NY Sample Matrix : SOIL Analytical Method : 1,8270D Lab File ID : 55380-04 Sample Amount : 30.24 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N	Lab Number : L2155380 Project Number : HKV2101 Date Collected : 10/11/21 12:15 Date Received : 10/11/21 Date Analyzed : 10/13/21 17:05 Date Extracted : 10/12/21 Dilution Factor : 1 Analyst : JG Instrument ID : SV112 GC Column : RTX5-MS %Solids : 96 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
83-32-9	Acenaphthene	ND	140	18.	U
120-82-1	1,2,4-Trichlorobenzene	ND	170	20.	U
118-74-1	Hexachlorobenzene	ND	100	19.	U
111-44-4	Bis(2-chloroethyl)ether	ND	160	23.	U
91-58-7	2-Chloronaphthalene	ND	170	17.	U
95-50-1	1,2-Dichlorobenzene	ND	170	31.	U
541-73-1	1,3-Dichlorobenzene	ND	170	30.	U
106-46-7	1,4-Dichlorobenzene	ND	170	30.	U
91-94-1	3,3'-Dichlorobenzidine	ND	170	46.	U
121-14-2	2,4-Dinitrotoluene	ND	170	34.	U
606-20-2	2,6-Dinitrotoluene	ND	170	30.	U
206-44-0	Fluoranthene	ND	100	20.	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	170	18.	U
101-55-3	4-Bromophenyl phenyl ether	ND	170	26.	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	210	29.	U
111-91-1	Bis(2-chloroethoxy)methane	ND	190	17.	U
87-68-3	Hexachlorobutadiene	ND	170	25.	U
77-47-4	Hexachlorocyclopentadiene	ND	490	160	U
67-72-1	Hexachloroethane	ND	140	28.	U
78-59-1	Isophorone	ND	160	22.	U
91-20-3	Naphthalene	ND	170	21.	U

Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : P. W. Grosser Project Name : HK VENTURES-CALVERTON Lab ID : L2155380-04 Client ID : SB004_4-6 Sample Location : 4285 MIDDLE COUNTRY RD, CALVERTON, NY Sample Matrix : SOIL Analytical Method : 1,8270D Lab File ID : 55380-04 Sample Amount : 30.24 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N	Lab Number : L2155380 Project Number : HKV2101 Date Collected : 10/11/21 12:15 Date Received : 10/11/21 Date Analyzed : 10/13/21 17:05 Date Extracted : 10/12/21 Dilution Factor : 1 Analyst : JG Instrument ID : SV112 GC Column : RTX5-MS %Solids : 96 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
98-95-3	Nitrobenzene	ND	160	26.	U
86-30-6	NDPA/DPA	ND	140	20.	U
621-64-7	n-Nitrosodi-n-propylamine	ND	170	27.	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	170	60.	U
85-68-7	Butyl benzyl phthalate	ND	170	43.	U
84-74-2	Di-n-butylphthalate	ND	170	33.	U
117-84-0	Di-n-octylphthalate	ND	170	59.	U
84-66-2	Diethyl phthalate	ND	170	16.	U
131-11-3	Dimethyl phthalate	ND	170	36.	U
56-55-3	Benzo(a)anthracene	ND	100	19.	U
50-32-8	Benzo(a)pyrene	ND	140	42.	U
205-99-2	Benzo(b)fluoranthene	ND	100	29.	U
207-08-9	Benzo(k)fluoranthene	ND	100	28.	U
218-01-9	Chrysene	ND	100	18.	U
208-96-8	Acenaphthylene	ND	140	27.	U
120-12-7	Anthracene	ND	100	34.	U
191-24-2	Benzo(ghi)perylene	ND	140	20.	U
86-73-7	Fluorene	17	170	17.	J
85-01-8	Phenanthrene	ND	100	21.	U
53-70-3	Dibenzo(a,h)anthracene	ND	100	20.	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	140	24.	U

Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : P. W. Grosser Project Name : HK VENTURES-CALVERTON Lab ID : L2155380-04 Client ID : SB004_4-6 Sample Location : 4285 MIDDLE COUNTRY RD, CALVERTON, NY Sample Matrix : SOIL Analytical Method : 1,8270D Lab File ID : 55380-04 Sample Amount : 30.24 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N	Lab Number : L2155380 Project Number : HKV2101 Date Collected : 10/11/21 12:15 Date Received : 10/11/21 Date Analyzed : 10/13/21 17:05 Date Extracted : 10/12/21 Dilution Factor : 1 Analyst : JG Instrument ID : SV112 GC Column : RTX5-MS %Solids : 96 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
129-00-0	Pyrene	ND	100	17.	U
92-52-4	Biphenyl	ND	390	40.	U
106-47-8	4-Chloroaniline	ND	170	31.	U
88-74-4	2-Nitroaniline	ND	170	33.	U
99-09-2	3-Nitroaniline	ND	170	32.	U
100-01-6	4-Nitroaniline	ND	170	71.	U
132-64-9	Dibenzofuran	ND	170	16.	U
91-57-6	2-Methylnaphthalene	ND	210	21.	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	170	18.	U
98-86-2	Acetophenone	ND	170	21.	U
88-06-2	2,4,6-Trichlorophenol	ND	100	33.	U
59-50-7	p-Chloro-m-cresol	ND	170	26.	U
95-57-8	2-Chlorophenol	ND	170	20.	U
120-83-2	2,4-Dichlorophenol	ND	160	28.	U
105-67-9	2,4-Dimethylphenol	ND	170	57.	U
88-75-5	2-Nitrophenol	ND	370	65.	U
100-02-7	4-Nitrophenol	ND	240	70.	U
51-28-5	2,4-Dinitrophenol	ND	830	80.	U
534-52-1	4,6-Dinitro-o-cresol	ND	450	83.	U
87-86-5	Pentachlorophenol	ND	140	38.	U
108-95-2	Phenol	ND	170	26.	U

Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : P. W. Grosser Project Name : HK VENTURES-CALVERTON Lab ID : L2155380-04 Client ID : SB004_4-6 Sample Location : 4285 MIDDLE COUNTRY RD, CALVERTON, NY Sample Matrix : SOIL Analytical Method : 1,8270D Lab File ID : 55380-04 Sample Amount : 30.24 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N	Lab Number : L2155380 Project Number : HKV2101 Date Collected : 10/11/21 12:15 Date Received : 10/11/21 Date Analyzed : 10/13/21 17:05 Date Extracted : 10/12/21 Dilution Factor : 1 Analyst : JG Instrument ID : SV112 GC Column : RTX5-MS %Solids : 96 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
95-48-7	2-Methylphenol	ND	170	27.	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	250	27.	U
95-95-4	2,4,5-Trichlorophenol	ND	170	33.	U
65-85-0	Benzoic Acid	ND	560	170	U
100-51-6	Benzyl Alcohol	ND	170	53.	U
86-74-8	Carbazole	ND	170	17.	U
123-91-1	1,4-Dioxane	ND	26	7.9	U

Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : P. W. Grosser Project Name : HK VENTURES-CALVERTON Lab ID : L2155380-05 Client ID : SB005_1-3 Sample Location : 4285 MIDDLE COUNTRY RD, CALVERTON, NY Sample Matrix : SOIL Analytical Method : 1,8270D Lab File ID : 55380-05 Sample Amount : 30.84 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N	Lab Number : L2155380 Project Number : HKV2101 Date Collected : 10/11/21 12:35 Date Received : 10/11/21 Date Analyzed : 10/13/21 17:27 Date Extracted : 10/12/21 Dilution Factor : 1 Analyst : JG Instrument ID : SV112 GC Column : RTX5-MS %Solids : 91 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
83-32-9	Acenaphthene	ND	140	18.	U
120-82-1	1,2,4-Trichlorobenzene	ND	180	20.	U
118-74-1	Hexachlorobenzene	ND	110	20.	U
111-44-4	Bis(2-chloroethyl)ether	ND	160	24.	U
91-58-7	2-Chloronaphthalene	ND	180	18.	U
95-50-1	1,2-Dichlorobenzene	ND	180	32.	U
541-73-1	1,3-Dichlorobenzene	ND	180	30.	U
106-46-7	1,4-Dichlorobenzene	ND	180	31.	U
91-94-1	3,3'-Dichlorobenzidine	ND	180	47.	U
121-14-2	2,4-Dinitrotoluene	ND	180	36.	U
606-20-2	2,6-Dinitrotoluene	ND	180	30.	U
206-44-0	Fluoranthene	ND	110	20.	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	180	19.	U
101-55-3	4-Bromophenyl phenyl ether	ND	180	27.	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	210	30.	U
111-91-1	Bis(2-chloroethoxy)methane	ND	190	18.	U
87-68-3	Hexachlorobutadiene	ND	180	26.	U
77-47-4	Hexachlorocyclopentadiene	ND	510	160	U
67-72-1	Hexachloroethane	ND	140	29.	U
78-59-1	Isophorone	ND	160	23.	U
91-20-3	Naphthalene	ND	180	22.	U

Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : P. W. Grosser Project Name : HK VENTURES-CALVERTON Lab ID : L2155380-05 Client ID : SB005_1-3 Sample Location : 4285 MIDDLE COUNTRY RD, CALVERTON, NY Sample Matrix : SOIL Analytical Method : 1,8270D Lab File ID : 55380-05 Sample Amount : 30.84 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N	Lab Number : L2155380 Project Number : HKV2101 Date Collected : 10/11/21 12:35 Date Received : 10/11/21 Date Analyzed : 10/13/21 17:27 Date Extracted : 10/12/21 Dilution Factor : 1 Analyst : JG Instrument ID : SV112 GC Column : RTX5-MS %Solids : 91 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
98-95-3	Nitrobenzene	ND	160	26.	U
86-30-6	NDPA/DPA	ND	140	20.	U
621-64-7	n-Nitrosodi-n-propylamine	ND	180	27.	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	180	62.	U
85-68-7	Butyl benzyl phthalate	ND	180	45.	U
84-74-2	Di-n-butylphthalate	ND	180	34.	U
117-84-0	Di-n-octylphthalate	ND	180	60.	U
84-66-2	Diethyl phthalate	ND	180	16.	U
131-11-3	Dimethyl phthalate	ND	180	37.	U
56-55-3	Benzo(a)anthracene	ND	110	20.	U
50-32-8	Benzo(a)pyrene	ND	140	43.	U
205-99-2	Benzo(b)fluoranthene	ND	110	30.	U
207-08-9	Benzo(k)fluoranthene	ND	110	28.	U
218-01-9	Chrysene	ND	110	18.	U
208-96-8	Acenaphthylene	ND	140	27.	U
120-12-7	Anthracene	ND	110	35.	U
191-24-2	Benzo(ghi)perylene	ND	140	21.	U
86-73-7	Fluorene	ND	180	17.	U
85-01-8	Phenanthrene	ND	110	22.	U
53-70-3	Dibenzo(a,h)anthracene	ND	110	20.	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	140	25.	U

Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : P. W. Grosser Project Name : HK VENTURES-CALVERTON Lab ID : L2155380-05 Client ID : SB005_1-3 Sample Location : 4285 MIDDLE COUNTRY RD, CALVERTON, NY Sample Matrix : SOIL Analytical Method : 1,8270D Lab File ID : 55380-05 Sample Amount : 30.84 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N	Lab Number : L2155380 Project Number : HKV2101 Date Collected : 10/11/21 12:35 Date Received : 10/11/21 Date Analyzed : 10/13/21 17:27 Date Extracted : 10/12/21 Dilution Factor : 1 Analyst : JG Instrument ID : SV112 GC Column : RTX5-MS %Solids : 91 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
129-00-0	Pyrene	ND	110	18.	U
92-52-4	Biphenyl	ND	400	41.	U
106-47-8	4-Chloroaniline	ND	180	32.	U
88-74-4	2-Nitroaniline	ND	180	34.	U
99-09-2	3-Nitroaniline	ND	180	34.	U
100-01-6	4-Nitroaniline	ND	180	74.	U
132-64-9	Dibenzofuran	ND	180	17.	U
91-57-6	2-Methylnaphthalene	ND	210	21.	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	180	18.	U
98-86-2	Acetophenone	ND	180	22.	U
88-06-2	2,4,6-Trichlorophenol	ND	110	34.	U
59-50-7	p-Chloro-m-cresol	ND	180	26.	U
95-57-8	2-Chlorophenol	ND	180	21.	U
120-83-2	2,4-Dichlorophenol	ND	160	28.	U
105-67-9	2,4-Dimethylphenol	ND	180	59.	U
88-75-5	2-Nitrophenol	ND	380	67.	U
100-02-7	4-Nitrophenol	ND	250	72.	U
51-28-5	2,4-Dinitrophenol	ND	850	83.	U
534-52-1	4,6-Dinitro-o-cresol	ND	460	85.	U
87-86-5	Pentachlorophenol	ND	140	39.	U
108-95-2	Phenol	ND	180	27.	U

Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : P. W. Grosser Project Name : HK VENTURES-CALVERTON Lab ID : L2155380-05 Client ID : SB005_1-3 Sample Location : 4285 MIDDLE COUNTRY RD, CALVERTON, NY Sample Matrix : SOIL Analytical Method : 1,8270D Lab File ID : 55380-05 Sample Amount : 30.84 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N	Lab Number : L2155380 Project Number : HKV2101 Date Collected : 10/11/21 12:35 Date Received : 10/11/21 Date Analyzed : 10/13/21 17:27 Date Extracted : 10/12/21 Dilution Factor : 1 Analyst : JG Instrument ID : SV112 GC Column : RTX5-MS %Solids : 91 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
95-48-7	2-Methylphenol	ND	180	28.	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	260	28.	U
95-95-4	2,4,5-Trichlorophenol	ND	180	34.	U
65-85-0	Benzoic Acid	ND	580	180	U
100-51-6	Benzyl Alcohol	ND	180	54.	U
86-74-8	Carbazole	ND	180	17.	U
123-91-1	1,4-Dioxane	ND	27	8.2	U

Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : P. W. Grosser Project Name : HK VENTURES-CALVERTON Lab ID : L2155380-06 Client ID : SB006_2-4 Sample Location : 4285 MIDDLE COUNTRY RD, CALVERTON, NY Sample Matrix : SOIL Analytical Method : 1,8270D Lab File ID : 55380-06 Sample Amount : 30.5 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N	Lab Number : L2155380 Project Number : HKV2101 Date Collected : 10/11/21 12:55 Date Received : 10/11/21 Date Analyzed : 10/23/21 03:34 Date Extracted : 10/12/21 Dilution Factor : 1 Analyst : IM Instrument ID : SV112 GC Column : RTX5-MS %Solids : 92 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
83-32-9	Acenaphthene	ND	140	18.	U
120-82-1	1,2,4-Trichlorobenzene	ND	180	20.	U
118-74-1	Hexachlorobenzene	ND	110	20.	U
111-44-4	Bis(2-chloroethyl)ether	ND	160	24.	U
91-58-7	2-Chloronaphthalene	ND	180	18.	U
95-50-1	1,2-Dichlorobenzene	ND	180	32.	U
541-73-1	1,3-Dichlorobenzene	ND	180	31.	U
106-46-7	1,4-Dichlorobenzene	ND	180	31.	U
91-94-1	3,3'-Dichlorobenzidine	ND	180	47.	U
121-14-2	2,4-Dinitrotoluene	ND	180	36.	U
606-20-2	2,6-Dinitrotoluene	ND	180	30.	U
206-44-0	Fluoranthene	ND	110	20.	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	180	19.	U
101-55-3	4-Bromophenyl phenyl ether	ND	180	27.	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	210	30.	U
111-91-1	Bis(2-chloroethoxy)methane	ND	190	18.	U
87-68-3	Hexachlorobutadiene	ND	180	26.	U
77-47-4	Hexachlorocyclopentadiene	ND	510	160	U
67-72-1	Hexachloroethane	ND	140	29.	U
78-59-1	Isophorone	ND	160	23.	U
91-20-3	Naphthalene	ND	180	22.	U

Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : P. W. Grosser Project Name : HK VENTURES-CALVERTON Lab ID : L2155380-06 Client ID : SB006_2-4 Sample Location : 4285 MIDDLE COUNTRY RD, CALVERTON, NY Sample Matrix : SOIL Analytical Method : 1,8270D Lab File ID : 55380-06 Sample Amount : 30.5 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N	Lab Number : L2155380 Project Number : HKV2101 Date Collected : 10/11/21 12:55 Date Received : 10/11/21 Date Analyzed : 10/23/21 03:34 Date Extracted : 10/12/21 Dilution Factor : 1 Analyst : IM Instrument ID : SV112 GC Column : RTX5-MS %Solids : 92 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
98-95-3	Nitrobenzene	ND	160	26.	U
86-30-6	NDPA/DPA	ND	140	20.	U
621-64-7	n-Nitrosodi-n-propylamine	ND	180	27.	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	180	62.	U
85-68-7	Butyl benzyl phthalate	ND	180	45.	U
84-74-2	Di-n-butylphthalate	ND	180	34.	U
117-84-0	Di-n-octylphthalate	ND	180	60.	U
84-66-2	Diethyl phthalate	ND	180	16.	U
131-11-3	Dimethyl phthalate	ND	180	37.	U
56-55-3	Benzo(a)anthracene	ND	110	20.	U
50-32-8	Benzo(a)pyrene	ND	140	43.	U
205-99-2	Benzo(b)fluoranthene	ND	110	30.	U
207-08-9	Benzo(k)fluoranthene	ND	110	28.	U
218-01-9	Chrysene	ND	110	18.	U
208-96-8	Acenaphthylene	ND	140	27.	U
120-12-7	Anthracene	ND	110	35.	U
191-24-2	Benzo(ghi)perylene	ND	140	21.	U
86-73-7	Fluorene	ND	180	17.	U
85-01-8	Phenanthrene	ND	110	22.	U
53-70-3	Dibenzo(a,h)anthracene	ND	110	20.	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	140	25.	U

Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : P. W. Grosser Project Name : HK VENTURES-CALVERTON Lab ID : L2155380-06 Client ID : SB006_2-4 Sample Location : 4285 MIDDLE COUNTRY RD, CALVERTON, NY Sample Matrix : SOIL Analytical Method : 1,8270D Lab File ID : 55380-06 Sample Amount : 30.5 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N	Lab Number : L2155380 Project Number : HKV2101 Date Collected : 10/11/21 12:55 Date Received : 10/11/21 Date Analyzed : 10/23/21 03:34 Date Extracted : 10/12/21 Dilution Factor : 1 Analyst : IM Instrument ID : SV112 GC Column : RTX5-MS %Solids : 92 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
129-00-0	Pyrene	ND	110	18.	U
92-52-4	Biphenyl	ND	400	41.	U
106-47-8	4-Chloroaniline	ND	180	32.	U
88-74-4	2-Nitroaniline	ND	180	34.	U
99-09-2	3-Nitroaniline	ND	180	34.	U
100-01-6	4-Nitroaniline	ND	180	74.	U
132-64-9	Dibenzofuran	ND	180	17.	U
91-57-6	2-Methylnaphthalene	ND	210	22.	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	180	18.	U
98-86-2	Acetophenone	ND	180	22.	U
88-06-2	2,4,6-Trichlorophenol	ND	110	34.	U
59-50-7	p-Chloro-m-cresol	ND	180	26.	U
95-57-8	2-Chlorophenol	ND	180	21.	U
120-83-2	2,4-Dichlorophenol	ND	160	29.	U
105-67-9	2,4-Dimethylphenol	ND	180	59.	U
88-75-5	2-Nitrophenol	ND	380	67.	U
100-02-7	4-Nitrophenol	ND	250	73.	U
51-28-5	2,4-Dinitrophenol	ND	850	83.	U
534-52-1	4,6-Dinitro-o-cresol	ND	460	85.	U
87-86-5	Pentachlorophenol	ND	140	39.	U
108-95-2	Phenol	ND	180	27.	U

Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : P. W. Grosser Project Name : HK VENTURES-CALVERTON Lab ID : L2155380-06 Client ID : SB006_2-4 Sample Location : 4285 MIDDLE COUNTRY RD, CALVERTON, NY Sample Matrix : SOIL Analytical Method : 1,8270D Lab File ID : 55380-06 Sample Amount : 30.5 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N	Lab Number : L2155380 Project Number : HKV2101 Date Collected : 10/11/21 12:55 Date Received : 10/11/21 Date Analyzed : 10/23/21 03:34 Date Extracted : 10/12/21 Dilution Factor : 1 Analyst : IM Instrument ID : SV112 GC Column : RTX5-MS %Solids : 92 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
95-48-7	2-Methylphenol	ND	180	28.	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	260	28.	U
95-95-4	2,4,5-Trichlorophenol	ND	180	34.	U
65-85-0	Benzoic Acid	ND	580	180	U
100-51-6	Benzyl Alcohol	ND	180	54.	U
86-74-8	Carbazole	ND	180	17.	U
123-91-1	1,4-Dioxane	ND	27	8.2	U

Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : P. W. Grosser Project Name : HK VENTURES-CALVERTON Lab ID : L2155380-07 Client ID : SB007_5-7 Sample Location : 4285 MIDDLE COUNTRY RD, CALVERTON, NY Sample Matrix : SOIL Analytical Method : 1,8270D Lab File ID : 55380-07 Sample Amount : 30.88 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N	Lab Number : L2155380 Project Number : HKV2101 Date Collected : 10/11/21 13:20 Date Received : 10/11/21 Date Analyzed : 10/23/21 02:26 Date Extracted : 10/12/21 Dilution Factor : 1 Analyst : IM Instrument ID : SV112 GC Column : RTX5-MS %Solids : 99 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
83-32-9	Acenaphthene	ND	130	17.	U
120-82-1	1,2,4-Trichlorobenzene	ND	160	19.	U
118-74-1	Hexachlorobenzene	ND	98	18.	U
111-44-4	Bis(2-chloroethyl)ether	ND	150	22.	U
91-58-7	2-Chloronaphthalene	ND	160	16.	U
95-50-1	1,2-Dichlorobenzene	ND	160	29.	U
541-73-1	1,3-Dichlorobenzene	ND	160	28.	U
106-46-7	1,4-Dichlorobenzene	ND	160	28.	U
91-94-1	3,3'-Dichlorobenzidine	ND	160	43.	U
121-14-2	2,4-Dinitrotoluene	ND	160	33.	U
606-20-2	2,6-Dinitrotoluene	ND	160	28.	U
206-44-0	Fluoranthene	ND	98	19.	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	160	17.	U
101-55-3	4-Bromophenyl phenyl ether	ND	160	25.	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	200	28.	U
111-91-1	Bis(2-chloroethoxy)methane	ND	180	16.	U
87-68-3	Hexachlorobutadiene	ND	160	24.	U
77-47-4	Hexachlorocyclopentadiene	ND	470	150	U
67-72-1	Hexachloroethane	ND	130	26.	U
78-59-1	Isophorone	ND	150	21.	U
91-20-3	Naphthalene	ND	160	20.	U

Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : P. W. Grosser Project Name : HK VENTURES-CALVERTON Lab ID : L2155380-07 Client ID : SB007_5-7 Sample Location : 4285 MIDDLE COUNTRY RD, CALVERTON, NY Sample Matrix : SOIL Analytical Method : 1,8270D Lab File ID : 55380-07 Sample Amount : 30.88 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N	Lab Number : L2155380 Project Number : HKV2101 Date Collected : 10/11/21 13:20 Date Received : 10/11/21 Date Analyzed : 10/23/21 02:26 Date Extracted : 10/12/21 Dilution Factor : 1 Analyst : IM Instrument ID : SV112 GC Column : RTX5-MS %Solids : 99 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
98-95-3	Nitrobenzene	ND	150	24.	U
86-30-6	NDPA/DPA	ND	130	18.	U
621-64-7	n-Nitrosodi-n-propylamine	ND	160	25.	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	160	56.	U
85-68-7	Butyl benzyl phthalate	ND	160	41.	U
84-74-2	Di-n-butylphthalate	ND	160	31.	U
117-84-0	Di-n-octylphthalate	ND	160	55.	U
84-66-2	Diethyl phthalate	ND	160	15.	U
131-11-3	Dimethyl phthalate	ND	160	34.	U
56-55-3	Benzo(a)anthracene	ND	98	18.	U
50-32-8	Benzo(a)pyrene	ND	130	40.	U
205-99-2	Benzo(b)fluoranthene	ND	98	27.	U
207-08-9	Benzo(k)fluoranthene	ND	98	26.	U
218-01-9	Chrysene	ND	98	17.	U
208-96-8	Acenaphthylene	ND	130	25.	U
120-12-7	Anthracene	ND	98	32.	U
191-24-2	Benzo(ghi)perylene	ND	130	19.	U
86-73-7	Fluorene	ND	160	16.	U
85-01-8	Phenanthrene	ND	98	20.	U
53-70-3	Dibenzo(a,h)anthracene	ND	98	19.	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	130	23.	U

Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : P. W. Grosser Project Name : HK VENTURES-CALVERTON Lab ID : L2155380-07 Client ID : SB007_5-7 Sample Location : 4285 MIDDLE COUNTRY RD, CALVERTON, NY Sample Matrix : SOIL Analytical Method : 1,8270D Lab File ID : 55380-07 Sample Amount : 30.88 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N	Lab Number : L2155380 Project Number : HKV2101 Date Collected : 10/11/21 13:20 Date Received : 10/11/21 Date Analyzed : 10/23/21 02:26 Date Extracted : 10/12/21 Dilution Factor : 1 Analyst : IM Instrument ID : SV112 GC Column : RTX5-MS %Solids : 99 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
129-00-0	Pyrene	ND	98	16.	U
92-52-4	Biphenyl	ND	370	38.	U
106-47-8	4-Chloroaniline	ND	160	30.	U
88-74-4	2-Nitroaniline	ND	160	31.	U
99-09-2	3-Nitroaniline	ND	160	31.	U
100-01-6	4-Nitroaniline	ND	160	68.	U
132-64-9	Dibenzofuran	ND	160	15.	U
91-57-6	2-Methylnaphthalene	ND	200	20.	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	160	17.	U
98-86-2	Acetophenone	ND	160	20.	U
88-06-2	2,4,6-Trichlorophenol	ND	98	31.	U
59-50-7	p-Chloro-m-cresol	ND	160	24.	U
95-57-8	2-Chlorophenol	ND	160	19.	U
120-83-2	2,4-Dichlorophenol	ND	150	26.	U
105-67-9	2,4-Dimethylphenol	ND	160	54.	U
88-75-5	2-Nitrophenol	ND	350	61.	U
100-02-7	4-Nitrophenol	ND	230	66.	U
51-28-5	2,4-Dinitrophenol	ND	780	76.	U
534-52-1	4,6-Dinitro-o-cresol	ND	420	78.	U
87-86-5	Pentachlorophenol	ND	130	36.	U
108-95-2	Phenol	ND	160	25.	U



Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : P. W. Grosser Project Name : HK VENTURES-CALVERTON Lab ID : L2155380-07 Client ID : SB007_5-7 Sample Location : 4285 MIDDLE COUNTRY RD, CALVERTON, NY Sample Matrix : SOIL Analytical Method : 1,8270D Lab File ID : 55380-07 Sample Amount : 30.88 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N	Lab Number : L2155380 Project Number : HKV2101 Date Collected : 10/11/21 13:20 Date Received : 10/11/21 Date Analyzed : 10/23/21 02:26 Date Extracted : 10/12/21 Dilution Factor : 1 Analyst : IM Instrument ID : SV112 GC Column : RTX5-MS %Solids : 99 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
95-48-7	2-Methylphenol	ND	160	25.	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	240	26.	U
95-95-4	2,4,5-Trichlorophenol	ND	160	31.	U
65-85-0	Benzoic Acid	ND	530	160	U
100-51-6	Benzyl Alcohol	ND	160	50.	U
86-74-8	Carbazole	ND	160	16.	U
123-91-1	1,4-Dioxane	ND	24	7.5	U

Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : P. W. Grosser Project Name : HK VENTURES-CALVERTON Lab ID : L2155380-08 Client ID : SB008_6-8 Sample Location : 4285 MIDDLE COUNTRY RD, CALVERTON, NY Sample Matrix : SOIL Analytical Method : 1,8270D Lab File ID : 55380-08 Sample Amount : 30.15 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N	Lab Number : L2155380 Project Number : HKV2101 Date Collected : 10/11/21 13:45 Date Received : 10/11/21 Date Analyzed : 10/23/21 02:49 Date Extracted : 10/12/21 Dilution Factor : 1 Analyst : IM Instrument ID : SV112 GC Column : RTX5-MS %Solids : 84 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
83-32-9	Acenaphthene	ND	160	20.	U
120-82-1	1,2,4-Trichlorobenzene	ND	200	23.	U
118-74-1	Hexachlorobenzene	ND	120	22.	U
111-44-4	Bis(2-chloroethyl)ether	ND	180	27.	U
91-58-7	2-Chloronaphthalene	ND	200	20.	U
95-50-1	1,2-Dichlorobenzene	ND	200	35.	U
541-73-1	1,3-Dichlorobenzene	ND	200	34.	U
106-46-7	1,4-Dichlorobenzene	ND	200	34.	U
91-94-1	3,3'-Dichlorobenzidine	ND	200	52.	U
121-14-2	2,4-Dinitrotoluene	ND	200	40.	U
606-20-2	2,6-Dinitrotoluene	ND	200	34.	U
206-44-0	Fluoranthene	ND	120	23.	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	200	21.	U
101-55-3	4-Bromophenyl phenyl ether	ND	200	30.	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	240	34.	U
111-91-1	Bis(2-chloroethoxy)methane	ND	210	20.	U
87-68-3	Hexachlorobutadiene	ND	200	29.	U
77-47-4	Hexachlorocyclopentadiene	ND	560	180	U
67-72-1	Hexachloroethane	ND	160	32.	U
78-59-1	Isophorone	ND	180	26.	U
91-20-3	Naphthalene	ND	200	24.	U

Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : P. W. Grosser Project Name : HK VENTURES-CALVERTON Lab ID : L2155380-08 Client ID : SB008_6-8 Sample Location : 4285 MIDDLE COUNTRY RD, CALVERTON, NY Sample Matrix : SOIL Analytical Method : 1,8270D Lab File ID : 55380-08 Sample Amount : 30.15 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N	Lab Number : L2155380 Project Number : HKV2101 Date Collected : 10/11/21 13:45 Date Received : 10/11/21 Date Analyzed : 10/23/21 02:49 Date Extracted : 10/12/21 Dilution Factor : 1 Analyst : IM Instrument ID : SV112 GC Column : RTX5-MS %Solids : 84 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
98-95-3	Nitrobenzene	ND	180	29.	U
86-30-6	NDPA/DPA	ND	160	22.	U
621-64-7	n-Nitrosodi-n-propylamine	ND	200	30.	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	200	68.	U
85-68-7	Butyl benzyl phthalate	ND	200	50.	U
84-74-2	Di-n-butylphthalate	ND	200	37.	U
117-84-0	Di-n-octylphthalate	ND	200	67.	U
84-66-2	Diethyl phthalate	ND	200	18.	U
131-11-3	Dimethyl phthalate	ND	200	42.	U
56-55-3	Benzo(a)anthracene	ND	120	22.	U
50-32-8	Benzo(a)pyrene	ND	160	48.	U
205-99-2	Benzo(b)fluoranthene	ND	120	33.	U
207-08-9	Benzo(k)fluoranthene	ND	120	32.	U
218-01-9	Chrysene	ND	120	20.	U
208-96-8	Acenaphthylene	ND	160	30.	U
120-12-7	Anthracene	ND	120	38.	U
191-24-2	Benzo(ghi)perylene	ND	160	23.	U
86-73-7	Fluorene	ND	200	19.	U
85-01-8	Phenanthrene	ND	120	24.	U
53-70-3	Dibenzo(a,h)anthracene	ND	120	23.	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	160	28.	U

Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : P. W. Grosser Project Name : HK VENTURES-CALVERTON Lab ID : L2155380-08 Client ID : SB008_6-8 Sample Location : 4285 MIDDLE COUNTRY RD, CALVERTON, NY Sample Matrix : SOIL Analytical Method : 1,8270D Lab File ID : 55380-08 Sample Amount : 30.15 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N	Lab Number : L2155380 Project Number : HKV2101 Date Collected : 10/11/21 13:45 Date Received : 10/11/21 Date Analyzed : 10/23/21 02:49 Date Extracted : 10/12/21 Dilution Factor : 1 Analyst : IM Instrument ID : SV112 GC Column : RTX5-MS %Solids : 84 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
129-00-0	Pyrene	ND	120	20.	U
92-52-4	Biphenyl	ND	450	46.	U
106-47-8	4-Chloroaniline	ND	200	36.	U
88-74-4	2-Nitroaniline	ND	200	38.	U
99-09-2	3-Nitroaniline	ND	200	37.	U
100-01-6	4-Nitroaniline	ND	200	82.	U
132-64-9	Dibenzofuran	ND	200	19.	U
91-57-6	2-Methylnaphthalene	ND	240	24.	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	200	21.	U
98-86-2	Acetophenone	ND	200	24.	U
88-06-2	2,4,6-Trichlorophenol	ND	120	37.	U
59-50-7	p-Chloro-m-cresol	ND	200	29.	U
95-57-8	2-Chlorophenol	ND	200	23.	U
120-83-2	2,4-Dichlorophenol	ND	180	32.	U
105-67-9	2,4-Dimethylphenol	ND	200	65.	U
88-75-5	2-Nitrophenol	ND	430	74.	U
100-02-7	4-Nitrophenol	ND	280	81.	U
51-28-5	2,4-Dinitrophenol	ND	950	92.	U
534-52-1	4,6-Dinitro-o-cresol	ND	510	95.	U
87-86-5	Pentachlorophenol	ND	160	43.	U
108-95-2	Phenol	ND	200	30.	U



Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : P. W. Grosser Project Name : HK VENTURES-CALVERTON Lab ID : L2155380-08 Client ID : SB008_6-8 Sample Location : 4285 MIDDLE COUNTRY RD, CALVERTON, NY Sample Matrix : SOIL Analytical Method : 1,8270D Lab File ID : 55380-08 Sample Amount : 30.15 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N	Lab Number : L2155380 Project Number : HKV2101 Date Collected : 10/11/21 13:45 Date Received : 10/11/21 Date Analyzed : 10/23/21 02:49 Date Extracted : 10/12/21 Dilution Factor : 1 Analyst : IM Instrument ID : SV112 GC Column : RTX5-MS %Solids : 84 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
95-48-7	2-Methylphenol	ND	200	31.	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	280	31.	U
95-95-4	2,4,5-Trichlorophenol	ND	200	38.	U
65-85-0	Benzoic Acid	ND	640	200	U
100-51-6	Benzyl Alcohol	ND	200	60.	U
86-74-8	Carbazole	ND	200	19.	U
123-91-1	1,4-Dioxane	ND	30	9.1	U

Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : P. W. Grosser Project Name : HK VENTURES-CALVERTON Lab ID : L2155380-09 Client ID : SB009_2-4 Sample Location : 4285 MIDDLE COUNTRY RD, CALVERTON, NY Sample Matrix : SOIL Analytical Method : 1,8270D Lab File ID : 55380-09 Sample Amount : 30.07 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N	Lab Number : L2155380 Project Number : HKV2101 Date Collected : 10/11/21 14:05 Date Received : 10/11/21 Date Analyzed : 10/23/21 06:59 Date Extracted : 10/12/21 Dilution Factor : 1 Analyst : IM Instrument ID : SV112 GC Column : RTX5-MS %Solids : 91 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
83-32-9	Acenaphthene	190	150	19.	
120-82-1	1,2,4-Trichlorobenzene	ND	180	21.	U
118-74-1	Hexachlorobenzene	ND	110	20.	U
111-44-4	Bis(2-chloroethyl)ether	ND	160	25.	U
91-58-7	2-Chloronaphthalene	ND	180	18.	U
95-50-1	1,2-Dichlorobenzene	ND	180	33.	U
541-73-1	1,3-Dichlorobenzene	ND	180	32.	U
106-46-7	1,4-Dichlorobenzene	ND	180	32.	U
91-94-1	3,3'-Dichlorobenzidine	ND	180	49.	U
121-14-2	2,4-Dinitrotoluene	ND	180	37.	U
606-20-2	2,6-Dinitrotoluene	ND	180	31.	U
206-44-0	Fluoranthene	3400	110	21.	
7005-72-3	4-Chlorophenyl phenyl ether	ND	180	20.	U
101-55-3	4-Bromophenyl phenyl ether	ND	180	28.	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	220	31.	U
111-91-1	Bis(2-chloroethoxy)methane	ND	200	18.	U
87-68-3	Hexachlorobutadiene	ND	180	27.	U
77-47-4	Hexachlorocyclopentadiene	ND	520	170	U
67-72-1	Hexachloroethane	ND	150	30.	U
78-59-1	Isophorone	ND	160	24.	U
91-20-3	Naphthalene	67	180	22.	J

Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : P. W. Grosser Project Name : HK VENTURES-CALVERTON Lab ID : L2155380-09 Client ID : SB009_2-4 Sample Location : 4285 MIDDLE COUNTRY RD, CALVERTON, NY Sample Matrix : SOIL Analytical Method : 1,8270D Lab File ID : 55380-09 Sample Amount : 30.07 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N	Lab Number : L2155380 Project Number : HKV2101 Date Collected : 10/11/21 14:05 Date Received : 10/11/21 Date Analyzed : 10/23/21 06:59 Date Extracted : 10/12/21 Dilution Factor : 1 Analyst : IM Instrument ID : SV112 GC Column : RTX5-MS %Solids : 91 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
98-95-3	Nitrobenzene	ND	160	27.	U
86-30-6	NDPA/DPA	ND	150	21.	U
621-64-7	n-Nitrosodi-n-propylamine	ND	180	28.	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	180	64.	U
85-68-7	Butyl benzyl phthalate	ND	180	46.	U
84-74-2	Di-n-butylphthalate	ND	180	35.	U
117-84-0	Di-n-octylphthalate	ND	180	62.	U
84-66-2	Diethyl phthalate	ND	180	17.	U
131-11-3	Dimethyl phthalate	ND	180	38.	U
56-55-3	Benzo(a)anthracene	1600	110	21.	
50-32-8	Benzo(a)pyrene	1500	150	45.	
205-99-2	Benzo(b)fluoranthene	2100	110	31.	
207-08-9	Benzo(k)fluoranthene	510	110	29.	
218-01-9	Chrysene	1400	110	19.	
208-96-8	Acenaphthylene	93	150	28.	J
120-12-7	Anthracene	540	110	36.	
191-24-2	Benzo(ghi)perylene	980	150	22.	
86-73-7	Fluorene	190	180	18.	
85-01-8	Phenanthrene	2300	110	22.	
53-70-3	Dibenzo(a,h)anthracene	240	110	21.	
193-39-5	Indeno(1,2,3-cd)pyrene	1000	150	26.	

Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : P. W. Grosser Project Name : HK VENTURES-CALVERTON Lab ID : L2155380-09 Client ID : SB009_2-4 Sample Location : 4285 MIDDLE COUNTRY RD, CALVERTON, NY Sample Matrix : SOIL Analytical Method : 1,8270D Lab File ID : 55380-09 Sample Amount : 30.07 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N	Lab Number : L2155380 Project Number : HKV2101 Date Collected : 10/11/21 14:05 Date Received : 10/11/21 Date Analyzed : 10/23/21 06:59 Date Extracted : 10/12/21 Dilution Factor : 1 Analyst : IM Instrument ID : SV112 GC Column : RTX5-MS %Solids : 91 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
129-00-0	Pyrene	2900	110	18.	
92-52-4	Biphenyl	ND	420	42.	U
106-47-8	4-Chloroaniline	ND	180	33.	U
88-74-4	2-Nitroaniline	ND	180	35.	U
99-09-2	3-Nitroaniline	ND	180	35.	U
100-01-6	4-Nitroaniline	ND	180	76.	U
132-64-9	Dibenzofuran	100	180	17.	J
91-57-6	2-Methylnaphthalene	48	220	22.	J
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	180	19.	U
98-86-2	Acetophenone	ND	180	23.	U
88-06-2	2,4,6-Trichlorophenol	ND	110	35.	U
59-50-7	p-Chloro-m-cresol	ND	180	27.	U
95-57-8	2-Chlorophenol	ND	180	22.	U
120-83-2	2,4-Dichlorophenol	ND	160	30.	U
105-67-9	2,4-Dimethylphenol	ND	180	60.	U
88-75-5	2-Nitrophenol	ND	400	69.	U
100-02-7	4-Nitrophenol	ND	260	75.	U
51-28-5	2,4-Dinitrophenol	ND	880	86.	U
534-52-1	4,6-Dinitro-o-cresol	ND	480	88.	U
87-86-5	Pentachlorophenol	ND	150	40.	U
108-95-2	Phenol	ND	180	28.	U

Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : P. W. Grosser Project Name : HK VENTURES-CALVERTON Lab ID : L2155380-09 Client ID : SB009_2-4 Sample Location : 4285 MIDDLE COUNTRY RD, CALVERTON, NY Sample Matrix : SOIL Analytical Method : 1,8270D Lab File ID : 55380-09 Sample Amount : 30.07 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N	Lab Number : L2155380 Project Number : HKV2101 Date Collected : 10/11/21 14:05 Date Received : 10/11/21 Date Analyzed : 10/23/21 06:59 Date Extracted : 10/12/21 Dilution Factor : 1 Analyst : IM Instrument ID : SV112 GC Column : RTX5-MS %Solids : 91 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
95-48-7	2-Methylphenol	ND	180	28.	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	260	29.	U
95-95-4	2,4,5-Trichlorophenol	ND	180	35.	U
65-85-0	Benzoic Acid	ND	590	180	U
100-51-6	Benzyl Alcohol	ND	180	56.	U
86-74-8	Carbazole	190	180	18.	
123-91-1	1,4-Dioxane	ND	28	8.4	U

Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : P. W. Grosser Project Name : HK VENTURES-CALVERTON Lab ID : L2155380-10 Client ID : SB010_6-8 Sample Location : 4285 MIDDLE COUNTRY RD, CALVERTON, NY Sample Matrix : SOIL Analytical Method : 1,8270D Lab File ID : 55380-10 Sample Amount : 30.66 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N	Lab Number : L2155380 Project Number : HKV2101 Date Collected : 10/11/21 14:25 Date Received : 10/11/21 Date Analyzed : 10/13/21 17:50 Date Extracted : 10/12/21 Dilution Factor : 1 Analyst : JG Instrument ID : SV112 GC Column : RTX5-MS %Solids : 91 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
83-32-9	Acenaphthene	240	140	18.	
120-82-1	1,2,4-Trichlorobenzene	25	180	20.	J
118-74-1	Hexachlorobenzene	34	110	20.	J
111-44-4	Bis(2-chloroethyl)ether	ND	160	24.	U
91-58-7	2-Chloronaphthalene	32	180	18.	J
95-50-1	1,2-Dichlorobenzene	ND	180	32.	U
541-73-1	1,3-Dichlorobenzene	ND	180	31.	U
106-46-7	1,4-Dichlorobenzene	ND	180	31.	U
91-94-1	3,3'-Dichlorobenzidine	ND	180	48.	U
121-14-2	2,4-Dinitrotoluene	ND	180	36.	U
606-20-2	2,6-Dinitrotoluene	ND	180	31.	U
206-44-0	Fluoranthene	1500	110	20.	
7005-72-3	4-Chlorophenyl phenyl ether	38	180	19.	J
101-55-3	4-Bromophenyl phenyl ether	35	180	27.	J
108-60-1	Bis(2-chloroisopropyl)ether	ND	210	30.	U
111-91-1	Bis(2-chloroethoxy)methane	ND	190	18.	U
87-68-3	Hexachlorobutadiene	ND	180	26.	U
77-47-4	Hexachlorocyclopentadiene	ND	510	160	U
67-72-1	Hexachloroethane	ND	140	29.	U
78-59-1	Isophorone	ND	160	23.	U
91-20-3	Naphthalene	130	180	22.	J

Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : P. W. Grosser Project Name : HK VENTURES-CALVERTON Lab ID : L2155380-10 Client ID : SB010_6-8 Sample Location : 4285 MIDDLE COUNTRY RD, CALVERTON, NY Sample Matrix : SOIL Analytical Method : 1,8270D Lab File ID : 55380-10 Sample Amount : 30.66 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N	Lab Number : L2155380 Project Number : HKV2101 Date Collected : 10/11/21 14:25 Date Received : 10/11/21 Date Analyzed : 10/13/21 17:50 Date Extracted : 10/12/21 Dilution Factor : 1 Analyst : JG Instrument ID : SV112 GC Column : RTX5-MS %Solids : 91 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
98-95-3	Nitrobenzene	ND	160	26.	U
86-30-6	NDPA/DPA	ND	140	20.	U
621-64-7	n-Nitrosodi-n-propylamine	ND	180	28.	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	180	62.	U
85-68-7	Butyl benzyl phthalate	ND	180	45.	U
84-74-2	Di-n-butylphthalate	ND	180	34.	U
117-84-0	Di-n-octylphthalate	ND	180	61.	U
84-66-2	Diethyl phthalate	ND	180	16.	U
131-11-3	Dimethyl phthalate	ND	180	38.	U
56-55-3	Benzo(a)anthracene	640	110	20.	
50-32-8	Benzo(a)pyrene	570	140	44.	
205-99-2	Benzo(b)fluoranthene	700	110	30.	
207-08-9	Benzo(k)fluoranthene	260	110	28.	
218-01-9	Chrysene	600	110	18.	
208-96-8	Acenaphthylene	34	140	28.	J
120-12-7	Anthracene	410	110	35.	
191-24-2	Benzo(ghi)perylene	320	140	21.	
86-73-7	Fluorene	220	180	17.	
85-01-8	Phenanthrene	1400	110	22.	
53-70-3	Dibenzo(a,h)anthracene	93	110	21.	J
193-39-5	Indeno(1,2,3-cd)pyrene	380	140	25.	

Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : P. W. Grosser Project Name : HK VENTURES-CALVERTON Lab ID : L2155380-10 Client ID : SB010_6-8 Sample Location : 4285 MIDDLE COUNTRY RD, CALVERTON, NY Sample Matrix : SOIL Analytical Method : 1,8270D Lab File ID : 55380-10 Sample Amount : 30.66 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N	Lab Number : L2155380 Project Number : HKV2101 Date Collected : 10/11/21 14:25 Date Received : 10/11/21 Date Analyzed : 10/13/21 17:50 Date Extracted : 10/12/21 Dilution Factor : 1 Analyst : JG Instrument ID : SV112 GC Column : RTX5-MS %Solids : 91 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
129-00-0	Pyrene	1200	110	18.	
92-52-4	Biphenyl	ND	410	41.	U
106-47-8	4-Chloroaniline	ND	180	32.	U
88-74-4	2-Nitroaniline	ND	180	34.	U
99-09-2	3-Nitroaniline	ND	180	34.	U
100-01-6	4-Nitroaniline	ND	180	74.	U
132-64-9	Dibenzofuran	170	180	17.	J
91-57-6	2-Methylnaphthalene	110	210	22.	J
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	180	19.	U
98-86-2	Acetophenone	ND	180	22.	U
88-06-2	2,4,6-Trichlorophenol	ND	110	34.	U
59-50-7	p-Chloro-m-cresol	ND	180	27.	U
95-57-8	2-Chlorophenol	ND	180	21.	U
120-83-2	2,4-Dichlorophenol	ND	160	29.	U
105-67-9	2,4-Dimethylphenol	ND	180	59.	U
88-75-5	2-Nitrophenol	ND	380	67.	U
100-02-7	4-Nitrophenol	ND	250	73.	U
51-28-5	2,4-Dinitrophenol	ND	860	83.	U
534-52-1	4,6-Dinitro-o-cresol	ND	460	86.	U
87-86-5	Pentachlorophenol	ND	140	39.	U
108-95-2	Phenol	ND	180	27.	U

Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : P. W. Grosser Project Name : HK VENTURES-CALVERTON Lab ID : L2155380-10 Client ID : SB010_6-8 Sample Location : 4285 MIDDLE COUNTRY RD, CALVERTON, NY Sample Matrix : SOIL Analytical Method : 1,8270D Lab File ID : 55380-10 Sample Amount : 30.66 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N	Lab Number : L2155380 Project Number : HKV2101 Date Collected : 10/11/21 14:25 Date Received : 10/11/21 Date Analyzed : 10/13/21 17:50 Date Extracted : 10/12/21 Dilution Factor : 1 Analyst : JG Instrument ID : SV112 GC Column : RTX5-MS %Solids : 91 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
95-48-7	2-Methylphenol	ND	180	28.	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	28	260	28.	J
95-95-4	2,4,5-Trichlorophenol	ND	180	34.	U
65-85-0	Benzoic Acid	ND	580	180	U
100-51-6	Benzyl Alcohol	ND	180	55.	U
86-74-8	Carbazole	200	180	17.	
123-91-1	1,4-Dioxane	ND	27	8.2	U

Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : P. W. Grosser
 Project Name : HK VENTURES-CALVERTON
 Lab ID : WG1557691-1
 Client ID : WG1557691-1BLANK
 Sample Location :
 Sample Matrix : SOIL
 Analytical Method : 1,8270D
 Lab File ID : 557691-1
 Sample Amount : 30.1 g
 Extraction Method : EPA 3546
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L2155380
 Project Number : HKV2101
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 10/13/21 23:30
 Date Extracted : 10/12/21
 Dilution Factor : 1
 Analyst : IM
 Instrument ID : GCMS5
 GC Column : RTX5-MS
 %Solids : NA
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
83-32-9	Acenaphthene	ND	130	17.	U
120-82-1	1,2,4-Trichlorobenzene	ND	170	19.	U
118-74-1	Hexachlorobenzene	ND	100	19.	U
111-44-4	Bis(2-chloroethyl)ether	ND	150	22.	U
91-58-7	2-Chloronaphthalene	ND	170	16.	U
95-50-1	1,2-Dichlorobenzene	ND	170	30.	U
541-73-1	1,3-Dichlorobenzene	ND	170	28.	U
106-46-7	1,4-Dichlorobenzene	ND	170	29.	U
91-94-1	3,3'-Dichlorobenzidine	ND	170	44.	U
121-14-2	2,4-Dinitrotoluene	ND	170	33.	U
606-20-2	2,6-Dinitrotoluene	ND	170	28.	U
206-44-0	Fluoranthene	ND	100	19.	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	170	18.	U
101-55-3	4-Bromophenyl phenyl ether	ND	170	25.	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	200	28.	U
111-91-1	Bis(2-chloroethoxy)methane	ND	180	17.	U
87-68-3	Hexachlorobutadiene	ND	170	24.	U
77-47-4	Hexachlorocyclopentadiene	ND	480	150	U
67-72-1	Hexachloroethane	ND	130	27.	U
78-59-1	Isophorone	ND	150	22.	U
91-20-3	Naphthalene	ND	170	20.	U
98-95-3	Nitrobenzene	ND	150	24.	U



Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : P. W. Grosser
 Project Name : HK VENTURES-CALVERTON
 Lab ID : WG1557691-1
 Client ID : WG1557691-1BLANK
 Sample Location :
 Sample Matrix : SOIL
 Analytical Method : 1,8270D
 Lab File ID : 557691-1
 Sample Amount : 30.1 g
 Extraction Method : EPA 3546
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L2155380
 Project Number : HKV2101
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 10/13/21 23:30
 Date Extracted : 10/12/21
 Dilution Factor : 1
 Analyst : IM
 Instrument ID : GCMS5
 GC Column : RTX5-MS
 %Solids : NA
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
86-30-6	NDPA/DPA	ND	130	19.	U
621-64-7	n-Nitrosodi-n-propylamine	ND	170	26.	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	170	57.	U
85-68-7	Butyl benzyl phthalate	ND	170	42.	U
84-74-2	Di-n-butylphthalate	ND	170	31.	U
117-84-0	Di-n-octylphthalate	ND	170	56.	U
84-66-2	Diethyl phthalate	ND	170	15.	U
131-11-3	Dimethyl phthalate	ND	170	35.	U
56-55-3	Benzo(a)anthracene	ND	100	19.	U
50-32-8	Benzo(a)pyrene	ND	130	40.	U
205-99-2	Benzo(b)fluoranthene	ND	100	28.	U
207-08-9	Benzo(k)fluoranthene	ND	100	26.	U
218-01-9	Chrysene	ND	100	17.	U
208-96-8	Acenaphthylene	ND	130	26.	U
120-12-7	Anthracene	ND	100	32.	U
191-24-2	Benzo(ghi)perylene	ND	130	20.	U
86-73-7	Fluorene	ND	170	16.	U
85-01-8	Phenanthrene	ND	100	20.	U
53-70-3	Dibenzo(a,h)anthracene	ND	100	19.	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	130	23.	U
129-00-0	Pyrene	ND	100	16.	U
92-52-4	Biphenyl	ND	380	38.	U



Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : P. W. Grosser
 Project Name : HK VENTURES-CALVERTON
 Lab ID : WG1557691-1
 Client ID : WG1557691-1BLANK
 Sample Location :
 Sample Matrix : SOIL
 Analytical Method : 1,8270D
 Lab File ID : 557691-1
 Sample Amount : 30.1 g
 Extraction Method : EPA 3546
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L2155380
 Project Number : HKV2101
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 10/13/21 23:30
 Date Extracted : 10/12/21
 Dilution Factor : 1
 Analyst : IM
 Instrument ID : GCMS5
 GC Column : RTX5-MS
 %Solids : NA
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
106-47-8	4-Chloroaniline	ND	170	30.	U
88-74-4	2-Nitroaniline	ND	170	32.	U
99-09-2	3-Nitroaniline	ND	170	31.	U
100-01-6	4-Nitroaniline	ND	170	69.	U
132-64-9	Dibenzofuran	ND	170	16.	U
91-57-6	2-Methylnaphthalene	ND	200	20.	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	170	17.	U
98-86-2	Acetophenone	ND	170	20.	U
88-06-2	2,4,6-Trichlorophenol	ND	100	31.	U
59-50-7	p-Chloro-m-cresol	ND	170	25.	U
95-57-8	2-Chlorophenol	ND	170	20.	U
120-83-2	2,4-Dichlorophenol	ND	150	27.	U
105-67-9	2,4-Dimethylphenol	ND	170	55.	U
88-75-5	2-Nitrophenol	ND	360	62.	U
100-02-7	4-Nitrophenol	ND	230	68.	U
51-28-5	2,4-Dinitrophenol	ND	800	77.	U
534-52-1	4,6-Dinitro-o-cresol	ND	430	80.	U
87-86-5	Pentachlorophenol	ND	130	36.	U
108-95-2	Phenol	ND	170	25.	U
95-48-7	2-Methylphenol	ND	170	26.	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	240	26.	U
95-95-4	2,4,5-Trichlorophenol	ND	170	32.	U



Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : P. W. Grosser
 Project Name : HK VENTURES-CALVERTON
 Lab ID : WG1557691-1
 Client ID : WG1557691-1BLANK
 Sample Location :
 Sample Matrix : SOIL
 Analytical Method : 1,8270D
 Lab File ID : 557691-1
 Sample Amount : 30.1 g
 Extraction Method : EPA 3546
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L2155380
 Project Number : HKV2101
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 10/13/21 23:30
 Date Extracted : 10/12/21
 Dilution Factor : 1
 Analyst : IM
 Instrument ID : GCMS5
 GC Column : RTX5-MS
 %Solids : NA
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
65-85-0	Benzoic Acid	ND	540	170	U
100-51-6	Benzyl Alcohol	ND	170	51.	U
86-74-8	Carbazole	ND	170	16.	U
123-91-1	1,4-Dioxane	ND	25	7.6	U

GC Extractable Analysis Polychlorinated Biphenyls (PCB)

Aroclor Sample Data

Results Summary

Form 1

Polychlorinated Biphenyls by GC

Client : P. W. Grosser Project Name : HK VENTURES-CALVERTON Lab ID : L2155380-01 Client ID : SB001_0-2 Sample Location : 4285 MIDDLE COUNTRY RD, CALVERTON, NY Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : 19211013a-20 Sample Amount : 15.09 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2155380 Project Number : HKV2101 Date Collected : 10/11/21 11:10 Date Received : 10/11/21 Date Analyzed : 10/13/21 15:17 Date Extracted : 10/12/21 Dilution Factor : 1 Analyst : JM Instrument ID : PEST19 GC Column : CLP-Pesticide %Solids : 94 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	35.2	3.12	U
11104-28-2	Aroclor 1221	ND	35.2	3.52	U
11141-16-5	Aroclor 1232	ND	35.2	7.46	U
53469-21-9	Aroclor 1242	ND	35.2	4.74	U
12672-29-6	Aroclor 1248	ND	35.2	5.28	U
11097-69-1	Aroclor 1254	ND	35.2	3.85	U
11096-82-5	Aroclor 1260	ND	35.2	6.50	U
37324-23-5	Aroclor 1262	ND	35.2	4.47	U
11100-14-4	Aroclor 1268	ND	35.2	3.64	U
1336-36-3	PCBs, Total	ND	35.2	3.12	U

Results Summary

Form 1

Polychlorinated Biphenyls by GC

Client : P. W. Grosser Project Name : HK VENTURES-CALVERTON Lab ID : L2155380-02 Client ID : SB002_3-5 Sample Location : 4285 MIDDLE COUNTRY RD, CALVERTON, NY Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : 19211013a-21 Sample Amount : 15.77 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2155380 Project Number : HKV2101 Date Collected : 10/11/21 11:30 Date Received : 10/11/21 Date Analyzed : 10/13/21 15:24 Date Extracted : 10/12/21 Dilution Factor : 1 Analyst : JM Instrument ID : PEST19 GC Column : CLP-Pesticide %Solids : 98 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	32.4	2.88	U
11104-28-2	Aroclor 1221	ND	32.4	3.25	U
11141-16-5	Aroclor 1232	ND	32.4	6.87	U
53469-21-9	Aroclor 1242	ND	32.4	4.37	U
12672-29-6	Aroclor 1248	ND	32.4	4.86	U
11097-69-1	Aroclor 1254	ND	32.4	3.55	U
11096-82-5	Aroclor 1260	ND	32.4	5.99	U
37324-23-5	Aroclor 1262	ND	32.4	4.12	U
11100-14-4	Aroclor 1268	ND	32.4	3.36	U
1336-36-3	PCBs, Total	ND	32.4	2.88	U

Results Summary

Form 1

Polychlorinated Biphenyls by GC

Client : P. W. Grosser	Lab Number : L2155380
Project Name : HK VENTURES-CALVERTON	Project Number : HKV2101
Lab ID : L2155380-03	Date Collected : 10/11/21 11:50
Client ID : SB003_2-4	Date Received : 10/11/21
Sample Location : 4285 MIDDLE COUNTRY RD, CALVERTON, NY	Date Analyzed : 10/13/21 15:32
Sample Matrix : SOIL	Date Extracted : 10/12/21
Analytical Method : 1,8082A	Dilution Factor : 1
Lab File ID : 19211013a-22	Analyst : JM
Sample Amount : 15.78 g	Instrument ID : PEST19
Extraction Method : EPA 3546	GC Column : CLP-Pesticide
Extract Volume : 1000 uL	%Solids : 89
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	35.6	3.16	U
11104-28-2	Aroclor 1221	ND	35.6	3.57	U
11141-16-5	Aroclor 1232	ND	35.6	7.56	U
53469-21-9	Aroclor 1242	ND	35.6	4.80	U
12672-29-6	Aroclor 1248	ND	35.6	5.35	U
11097-69-1	Aroclor 1254	ND	35.6	3.90	U
11096-82-5	Aroclor 1260	ND	35.6	6.59	U
37324-23-5	Aroclor 1262	ND	35.6	4.53	U
11100-14-4	Aroclor 1268	ND	35.6	3.69	U
1336-36-3	PCBs, Total	ND	35.6	3.16	U

Results Summary

Form 1

Polychlorinated Biphenyls by GC

Client : P. W. Grosser Project Name : HK VENTURES-CALVERTON Lab ID : L2155380-04 Client ID : SB004_4-6 Sample Location : 4285 MIDDLE COUNTRY RD, CALVERTON, NY Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : 19211013a-23 Sample Amount : 15.14 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2155380 Project Number : HKV2101 Date Collected : 10/11/21 12:15 Date Received : 10/11/21 Date Analyzed : 10/13/21 15:39 Date Extracted : 10/12/21 Dilution Factor : 1 Analyst : JM Instrument ID : PEST19 GC Column : CLP-Pesticide %Solids : 96 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	34.4	3.06	U
11104-28-2	Aroclor 1221	ND	34.4	3.45	U
11141-16-5	Aroclor 1232	ND	34.4	7.30	U
53469-21-9	Aroclor 1242	ND	34.4	4.64	U
12672-29-6	Aroclor 1248	ND	34.4	5.16	U
11097-69-1	Aroclor 1254	ND	34.4	3.77	U
11096-82-5	Aroclor 1260	ND	34.4	6.36	U
37324-23-5	Aroclor 1262	ND	34.4	4.37	U
11100-14-4	Aroclor 1268	ND	34.4	3.57	U
1336-36-3	PCBs, Total	ND	34.4	3.06	U

Results Summary

Form 1

Polychlorinated Biphenyls by GC

Client : P. W. Grosser Project Name : HK VENTURES-CALVERTON Lab ID : L2155380-05 Client ID : SB005_1-3 Sample Location : 4285 MIDDLE COUNTRY RD, CALVERTON, NY Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : 19211013a-24 Sample Amount : 15.37 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2155380 Project Number : HKV2101 Date Collected : 10/11/21 12:35 Date Received : 10/11/21 Date Analyzed : 10/13/21 15:46 Date Extracted : 10/12/21 Dilution Factor : 1 Analyst : JM Instrument ID : PEST19 GC Column : CLP-Pesticide %Solids : 91 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	35.7	3.17	U
11104-28-2	Aroclor 1221	ND	35.7	3.57	U
11141-16-5	Aroclor 1232	ND	35.7	7.56	U
53469-21-9	Aroclor 1242	ND	35.7	4.81	U
12672-29-6	Aroclor 1248	ND	35.7	5.35	U
11097-69-1	Aroclor 1254	ND	35.7	3.90	U
11096-82-5	Aroclor 1260	ND	35.7	6.59	U
37324-23-5	Aroclor 1262	ND	35.7	4.53	U
11100-14-4	Aroclor 1268	ND	35.7	3.70	U
1336-36-3	PCBs, Total	ND	35.7	3.17	U

Results Summary

Form 1

Polychlorinated Biphenyls by GC

Client : P. W. Grosser Project Name : HK VENTURES-CALVERTON Lab ID : L2155380-06 Client ID : SB006_2-4 Sample Location : 4285 MIDDLE COUNTRY RD, CALVERTON, NY Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : 19211013a-25 Sample Amount : 15.27 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2155380 Project Number : HKV2101 Date Collected : 10/11/21 12:55 Date Received : 10/11/21 Date Analyzed : 10/13/21 15:53 Date Extracted : 10/12/21 Dilution Factor : 1 Analyst : JM Instrument ID : PEST19 GC Column : CLP-Pesticide %Solids : 92 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	35.6	3.16	U
11104-28-2	Aroclor 1221	ND	35.6	3.56	U
11141-16-5	Aroclor 1232	ND	35.6	7.54	U
53469-21-9	Aroclor 1242	ND	35.6	4.79	U
12672-29-6	Aroclor 1248	ND	35.6	5.33	U
11097-69-1	Aroclor 1254	ND	35.6	3.89	U
11096-82-5	Aroclor 1260	ND	35.6	6.57	U
37324-23-5	Aroclor 1262	ND	35.6	4.52	U
11100-14-4	Aroclor 1268	ND	35.6	3.68	U
1336-36-3	PCBs, Total	ND	35.6	3.16	U

Results Summary

Form 1

Polychlorinated Biphenyls by GC

Client : P. W. Grosser Project Name : HK VENTURES-CALVERTON Lab ID : L2155380-07 Client ID : SB007_5-7 Sample Location : 4285 MIDDLE COUNTRY RD, CALVERTON, NY Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : 19211013a-26 Sample Amount : 15.11 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2155380 Project Number : HKV2101 Date Collected : 10/11/21 13:20 Date Received : 10/11/21 Date Analyzed : 10/13/21 16:00 Date Extracted : 10/12/21 Dilution Factor : 1 Analyst : JM Instrument ID : PEST19 GC Column : CLP-Pesticide %Solids : 99 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	33.4	2.96	U
11104-28-2	Aroclor 1221	ND	33.4	3.34	U
11141-16-5	Aroclor 1232	ND	33.4	7.07	U
53469-21-9	Aroclor 1242	ND	33.4	4.50	U
12672-29-6	Aroclor 1248	ND	33.4	5.00	U
11097-69-1	Aroclor 1254	ND	33.4	3.65	U
11096-82-5	Aroclor 1260	ND	33.4	6.16	U
37324-23-5	Aroclor 1262	ND	33.4	4.24	U
11100-14-4	Aroclor 1268	ND	33.4	3.46	U
1336-36-3	PCBs, Total	ND	33.4	2.96	U

Results Summary

Form 1

Polychlorinated Biphenyls by GC

Client : P. W. Grosser Project Name : HK VENTURES-CALVERTON Lab ID : L2155380-08 Client ID : SB008_6-8 Sample Location : 4285 MIDDLE COUNTRY RD, CALVERTON, NY Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : 19211013a-27 Sample Amount : 15.28 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2155380 Project Number : HKV2101 Date Collected : 10/11/21 13:45 Date Received : 10/11/21 Date Analyzed : 10/13/21 16:07 Date Extracted : 10/12/21 Dilution Factor : 1 Analyst : JM Instrument ID : PEST19 GC Column : CLP-Pesticide %Solids : 84 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	39.0	3.46	U
11104-28-2	Aroclor 1221	ND	39.0	3.91	U
11141-16-5	Aroclor 1232	ND	39.0	8.27	U
53469-21-9	Aroclor 1242	ND	39.0	5.26	U
11097-69-1	Aroclor 1254	ND	39.0	4.27	U
11096-82-5	Aroclor 1260	ND	39.0	7.21	U
37324-23-5	Aroclor 1262	ND	39.0	4.95	U
11100-14-4	Aroclor 1268	ND	39.0	4.04	U

Results Summary

Form 1

Polychlorinated Biphenyls by GC

Client : P. W. Grosser Project Name : HK VENTURES-CALVERTON Lab ID : L2155380-08 Client ID : SB008_6-8 Sample Location : 4285 MIDDLE COUNTRY RD, CALVERTON, NY Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : 19211013a-27 Sample Amount : 15.28 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2155380 Project Number : HKV2101 Date Collected : 10/11/21 13:45 Date Received : 10/11/21 Date Analyzed : 10/13/21 16:07 Date Extracted : 10/12/21 Dilution Factor : 1 Analyst : JM Instrument ID : PEST19 GC Column : CLP-PesticideII %Solids : 84 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
12672-29-6	Aroclor 1248	ND	39.0	5.85	U
1336-36-3	PCBs, Total	ND	39.0	3.46	U

Results Summary

Form 1

Polychlorinated Biphenyls by GC

Client : P. W. Grosser Project Name : HK VENTURES-CALVERTON Lab ID : L2155380-09 Client ID : SB009_2-4 Sample Location : 4285 MIDDLE COUNTRY RD, CALVERTON, NY Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : 19211013a-28 Sample Amount : 15.44 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2155380 Project Number : HKV2101 Date Collected : 10/11/21 14:05 Date Received : 10/11/21 Date Analyzed : 10/13/21 16:14 Date Extracted : 10/12/21 Dilution Factor : 1 Analyst : JM Instrument ID : PEST19 GC Column : CLP-Pesticide %Solids : 91 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	35.7	3.17	U
11104-28-2	Aroclor 1221	ND	35.7	3.58	U
11141-16-5	Aroclor 1232	ND	35.7	7.58	U
53469-21-9	Aroclor 1242	ND	35.7	4.82	U
12672-29-6	Aroclor 1248	ND	35.7	5.36	U
11097-69-1	Aroclor 1254	ND	35.7	3.91	U
37324-23-5	Aroclor 1262	ND	35.7	4.54	U
11100-14-4	Aroclor 1268	ND	35.7	3.70	U

Results Summary

Form 1

Polychlorinated Biphenyls by GC

Client : P. W. Grosser Project Name : HK VENTURES-CALVERTON Lab ID : L2155380-09 Client ID : SB009_2-4 Sample Location : 4285 MIDDLE COUNTRY RD, CALVERTON, NY Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : 19211013a-28 Sample Amount : 15.44 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2155380 Project Number : HKV2101 Date Collected : 10/11/21 14:05 Date Received : 10/11/21 Date Analyzed : 10/13/21 16:14 Date Extracted : 10/12/21 Dilution Factor : 1 Analyst : JM Instrument ID : PEST19 GC Column : CLP-PesticideII %Solids : 91 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
11096-82-5	Aroclor 1260	77.0	35.7	6.60	
1336-36-3	PCBs, Total	77.0	35.7	3.17	

Results Summary

Form 1

Polychlorinated Biphenyls by GC

Client : P. W. Grosser Project Name : HK VENTURES-CALVERTON Lab ID : L2155380-10 Client ID : SB010_6-8 Sample Location : 4285 MIDDLE COUNTRY RD, CALVERTON, NY Sample Matrix : SOIL Analytical Method : 1,8082A Lab File ID : 19211013a-29 Sample Amount : 15.46 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2155380 Project Number : HKV2101 Date Collected : 10/11/21 14:25 Date Received : 10/11/21 Date Analyzed : 10/13/21 16:22 Date Extracted : 10/12/21 Dilution Factor : 1 Analyst : JM Instrument ID : PEST19 GC Column : CLP-Pesticide %Solids : 91 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	35.4	3.14	U
11104-28-2	Aroclor 1221	ND	35.4	3.55	U
11141-16-5	Aroclor 1232	ND	35.4	7.51	U
53469-21-9	Aroclor 1242	ND	35.4	4.78	U
12672-29-6	Aroclor 1248	ND	35.4	5.31	U
11097-69-1	Aroclor 1254	ND	35.4	3.88	U
11096-82-5	Aroclor 1260	ND	35.4	6.55	U
37324-23-5	Aroclor 1262	ND	35.4	4.50	U
11100-14-4	Aroclor 1268	22.1	35.4	3.67	J
1336-36-3	PCBs, Total	22.1	35.4	3.14	J

Results Summary

Form 1

Polychlorinated Biphenyls by GC

Client : P. W. Grosser
 Project Name : HK VENTURES-CALVERTON
 Lab ID : WG1557739-1
 Client ID : WG1557739-1BLANK
 Sample Location :
 Sample Matrix : SOIL
 Analytical Method : 1,8082A
 Lab File ID : 19211013a-17
 Sample Amount : 15.25 g
 Extraction Method : EPA 3546
 Extract Volume : 1000 uL
 GPC Cleanup : N
 Sulfur Cleanup : Y

Lab Number : L2155380
 Project Number : HKV2101
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 10/13/21 14:56
 Date Extracted : 10/12/21
 Dilution Factor : 1
 Analyst : CW
 Instrument ID : PEST19
 GC Column : CLP-Pesticide
 %Solids : NA
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	32.8	2.91	U
11104-28-2	Aroclor 1221	ND	32.8	3.28	U
11141-16-5	Aroclor 1232	ND	32.8	6.95	U
53469-21-9	Aroclor 1242	ND	32.8	4.42	U
12672-29-6	Aroclor 1248	ND	32.8	4.92	U
11097-69-1	Aroclor 1254	ND	32.8	3.59	U
11096-82-5	Aroclor 1260	ND	32.8	6.06	U
37324-23-5	Aroclor 1262	ND	32.8	4.16	U
11100-14-4	Aroclor 1268	ND	32.8	3.40	U
1336-36-3	PCBs, Total	ND	32.8	2.91	U



GC Extractable Analysis Pesticides

Pesticide Sample Data

Results Summary

Form 1

Organochlorine Pesticides by GC

Client : P. W. Grosser Project Name : HK VENTURES-CALVERTON Lab ID : L2155380-01 Client ID : SB001_0-2 Sample Location : 4285 MIDDLE COUNTRY RD, CALVERTON, NY Sample Matrix : SOIL Analytical Method : 1,8081B Lab File ID : 10211016a-29 Sample Amount : 15.09 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N Sulfur Cleanup : N	Lab Number : L2155380 Project Number : HKV2101 Date Collected : 10/11/21 11:10 Date Received : 10/11/21 Date Analyzed : 10/16/21 15:47 Date Extracted : 10/12/21 Dilution Factor : 1 Analyst : SDC Instrument ID : PEST10 GC Column : CLPPesticides %Solids : 94 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
319-86-8	Delta-BHC	ND	1.69	0.331	U
58-89-9	Lindane	ND	0.703	0.314	U
319-84-6	Alpha-BHC	ND	0.703	0.200	U
319-85-7	Beta-BHC	ND	1.69	0.640	U
76-44-8	Heptachlor	ND	0.844	0.378	U
309-00-2	Aldrin	ND	1.69	0.594	U
1024-57-3	Heptachlor epoxide	ND	3.16	0.950	U
7421-93-4	Endrin aldehyde	ND	2.11	0.739	U
53494-70-5	Endrin ketone	ND	1.69	0.435	U
72-55-9	4,4'-DDE	87.3	1.69	0.390	
959-98-8	Endosulfan I	ND	1.69	0.399	U
33213-65-9	Endosulfan II	1.26	1.69	0.564	J
8001-35-2	Toxaphene	ND	31.6	8.86	U
5103-71-9	cis-Chlordane	ND	2.11	0.588	U
57-74-9	Chlordane	ND	14.1	5.59	U

Results Summary

Form 1

Organochlorine Pesticides by GC

Client : P. W. Grosser Project Name : HK VENTURES-CALVERTON Lab ID : L2155380-01 Client ID : SB001_0-2 Sample Location : 4285 MIDDLE COUNTRY RD, CALVERTON, NY Sample Matrix : SOIL Analytical Method : 1,8081B Lab File ID : 10211016a-29 Sample Amount : 15.09 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N Sulfur Cleanup : N	Lab Number : L2155380 Project Number : HKV2101 Date Collected : 10/11/21 11:10 Date Received : 10/11/21 Date Analyzed : 10/16/21 15:47 Date Extracted : 10/12/21 Dilution Factor : 1 Analyst : SDC Instrument ID : PEST10 GC Column : CLPPesticidesII %Solids : 94 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
72-20-8	Endrin	1.13	0.703	0.288	
60-57-1	Dieldrin	9.69	1.06	0.528	
72-54-8	4,4'-DDD	2.50	1.69	0.602	
50-29-3	4,4'-DDT	234	3.16	1.36	E
1031-07-8	Endosulfan sulfate	4.93	0.703	0.335	
72-43-5	Methoxychlor	1.88	3.16	0.985	JIP
5103-74-2	trans-Chlordane	1.29	2.11	0.557	JP

Results Summary

Form 1

Organochlorine Pesticides by GC

Client	: P. W. Grosser	Lab Number	: L2155380
Project Name	: HK VENTURES-CALVERTON	Project Number	: HKV2101
Lab ID	: L2155380-01D	Date Collected	: 10/11/21 11:10
Client ID	: SB001_0-2	Date Received	: 10/11/21
Sample Location	: 4285 MIDDLE COUNTRY RD, CALVERTON, NY	Date Analyzed	: 10/22/21 17:14
Sample Matrix	: SOIL	Date Extracted	: 10/12/21
Analytical Method	: 1,8081B	Dilution Factor	: 5
Lab File ID	: 10211022a-35	Analyst	: EJL
Sample Amount	: 15.09 g	Instrument ID	: PEST10
Extraction Method	: EPA 3546	GC Column	: CLPPesticidesII
Extract Volume	: 1000 uL	%Solids	: 94
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: N		

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
50-29-3	4,4'-DDT	233	15.8	6.79	

Results Summary

Form 1

Organochlorine Pesticides by GC

Client : P. W. Grosser Project Name : HK VENTURES-CALVERTON Lab ID : L2155380-02 Client ID : SB002_3-5 Sample Location : 4285 MIDDLE COUNTRY RD, CALVERTON, NY Sample Matrix : SOIL Analytical Method : 1,8081B Lab File ID : 10211016a-30 Sample Amount : 15.49 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N Sulfur Cleanup : N	Lab Number : L2155380 Project Number : HKV2101 Date Collected : 10/11/21 11:30 Date Received : 10/11/21 Date Analyzed : 10/16/21 15:58 Date Extracted : 10/12/21 Dilution Factor : 1 Analyst : SDC Instrument ID : PEST10 GC Column : CLPPesticides %Solids : 98 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
319-86-8	Delta-BHC	ND	1.58	0.310	U
58-89-9	Lindane	ND	0.660	0.295	U
319-84-6	Alpha-BHC	ND	0.660	0.187	U
319-85-7	Beta-BHC	ND	1.58	0.601	U
76-44-8	Heptachlor	ND	0.792	0.355	U
309-00-2	Aldrin	ND	1.58	0.558	U
1024-57-3	Heptachlor epoxide	ND	2.97	0.891	U
72-20-8	Endrin	ND	0.660	0.271	U
7421-93-4	Endrin aldehyde	ND	1.98	0.693	U
53494-70-5	Endrin ketone	1.27	1.58	0.408	JIP
60-57-1	Dieldrin	ND	0.990	0.495	U
72-55-9	4,4'-DDE	ND	1.58	0.366	U
72-54-8	4,4'-DDD	ND	1.58	0.565	U
50-29-3	4,4'-DDT	ND	2.97	1.27	U
959-98-8	Endosulfan I	ND	1.58	0.374	U
33213-65-9	Endosulfan II	ND	1.58	0.529	U
1031-07-8	Endosulfan sulfate	ND	0.660	0.314	U
72-43-5	Methoxychlor	ND	2.97	0.924	U
8001-35-2	Toxaphene	ND	29.7	8.32	U
5103-71-9	cis-Chlordane	ND	1.98	0.552	U

Results Summary

Form 1

Organochlorine Pesticides by GC

Client : P. W. Grosser Project Name : HK VENTURES-CALVERTON Lab ID : L2155380-02 Client ID : SB002_3-5 Sample Location : 4285 MIDDLE COUNTRY RD, CALVERTON, NY Sample Matrix : SOIL Analytical Method : 1,8081B Lab File ID : 10211016a-30 Sample Amount : 15.49 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N Sulfur Cleanup : N	Lab Number : L2155380 Project Number : HKV2101 Date Collected : 10/11/21 11:30 Date Received : 10/11/21 Date Analyzed : 10/16/21 15:58 Date Extracted : 10/12/21 Dilution Factor : 1 Analyst : SDC Instrument ID : PEST10 GC Column : CLPPesticides %Solids : 98 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
5103-74-2	trans-Chlordane	ND	1.98	0.523	U
57-74-9	Chlordane	ND	13.2	5.25	U

Results Summary

Form 1

Organochlorine Pesticides by GC

Client : P. W. Grosser Project Name : HK VENTURES-CALVERTON Lab ID : L2155380-03 Client ID : SB003_2-4 Sample Location : 4285 MIDDLE COUNTRY RD, CALVERTON, NY Sample Matrix : SOIL Analytical Method : 1,8081B Lab File ID : 10211016a-31 Sample Amount : 15.67 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N Sulfur Cleanup : N	Lab Number : L2155380 Project Number : HKV2101 Date Collected : 10/11/21 11:50 Date Received : 10/11/21 Date Analyzed : 10/16/21 16:09 Date Extracted : 10/12/21 Dilution Factor : 1 Analyst : SDC Instrument ID : PEST10 GC Column : CLPPesticides %Solids : 89 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
319-86-8	Delta-BHC	ND	1.72	0.337	U
58-89-9	Lindane	ND	0.718	0.321	U
319-84-6	Alpha-BHC	ND	0.718	0.204	U
319-85-7	Beta-BHC	ND	1.72	0.653	U
76-44-8	Heptachlor	ND	0.861	0.386	U
309-00-2	Aldrin	ND	1.72	0.606	U
1024-57-3	Heptachlor epoxide	ND	3.23	0.969	U
72-20-8	Endrin	ND	0.718	0.294	U
7421-93-4	Endrin aldehyde	ND	2.15	0.754	U
53494-70-5	Endrin ketone	1.95	1.72	0.444	IP
60-57-1	Dieldrin	ND	1.08	0.538	U
72-54-8	4,4'-DDD	ND	1.72	0.614	U
959-98-8	Endosulfan I	ND	1.72	0.407	U
33213-65-9	Endosulfan II	ND	1.72	0.576	U
72-43-5	Methoxychlor	ND	3.23	1.00	U
8001-35-2	Toxaphene	ND	32.3	9.04	U
5103-71-9	cis-Chlordane	ND	2.15	0.600	U
5103-74-2	trans-Chlordane	ND	2.15	0.568	U
57-74-9	Chlordane	ND	14.4	5.71	U

Results Summary

Form 1

Organochlorine Pesticides by GC

Client : P. W. Grosser Project Name : HK VENTURES-CALVERTON Lab ID : L2155380-03 Client ID : SB003_2-4 Sample Location : 4285 MIDDLE COUNTRY RD, CALVERTON, NY Sample Matrix : SOIL Analytical Method : 1,8081B Lab File ID : 10211016a-31 Sample Amount : 15.67 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N Sulfur Cleanup : N	Lab Number : L2155380 Project Number : HKV2101 Date Collected : 10/11/21 11:50 Date Received : 10/11/21 Date Analyzed : 10/16/21 16:09 Date Extracted : 10/12/21 Dilution Factor : 1 Analyst : SDC Instrument ID : PEST10 GC Column : CLPPesticidesII %Solids : 89 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
72-55-9	4,4'-DDE	3.54	1.72	0.398	
50-29-3	4,4'-DDT	2.65	3.23	1.38	J
1031-07-8	Endosulfan sulfate	ND	0.718	0.342	U

Results Summary

Form 1

Organochlorine Pesticides by GC

Client : P. W. Grosser	Lab Number : L2155380
Project Name : HK VENTURES-CALVERTON	Project Number : HKV2101
Lab ID : L2155380-04	Date Collected : 10/11/21 12:15
Client ID : SB004_4-6	Date Received : 10/11/21
Sample Location : 4285 MIDDLE COUNTRY RD, CALVERTON, NY	Date Analyzed : 10/16/21 16:20
Sample Matrix : SOIL	Date Extracted : 10/12/21
Analytical Method : 1,8081B	Dilution Factor : 1
Lab File ID : 10211016a-32	Analyst : SDC
Sample Amount : 15.13 g	Instrument ID : PEST10
Extraction Method : EPA 3546	GC Column : CLPPesticides
Extract Volume : 1000 uL	%Solids : 96
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : N	

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
319-86-8	Delta-BHC	ND	1.65	0.324	U
58-89-9	Lindane	ND	0.689	0.308	U
319-84-6	Alpha-BHC	ND	0.689	0.196	U
319-85-7	Beta-BHC	ND	1.65	0.627	U
76-44-8	Heptachlor	ND	0.827	0.371	U
309-00-2	Aldrin	ND	1.65	0.582	U
1024-57-3	Heptachlor epoxide	ND	3.10	0.930	U
7421-93-4	Endrin aldehyde	ND	2.07	0.724	U
53494-70-5	Endrin ketone	2.56	1.65	0.426	IP
60-57-1	Dieldrin	2.28	1.03	0.517	
72-55-9	4,4'-DDE	46.5	1.65	0.382	
959-98-8	Endosulfan I	ND	1.65	0.391	U
33213-65-9	Endosulfan II	1.16	1.65	0.553	JP
8001-35-2	Toxaphene	ND	31.0	8.68	U
5103-71-9	cis-Chlordane	ND	2.07	0.576	U
5103-74-2	trans-Chlordane	ND	2.07	0.546	U
57-74-9	Chlordane	ND	13.8	5.48	U

Results Summary

Form 1

Organochlorine Pesticides by GC

Client : P. W. Grosser Project Name : HK VENTURES-CALVERTON Lab ID : L2155380-04 Client ID : SB004_4-6 Sample Location : 4285 MIDDLE COUNTRY RD, CALVERTON, NY Sample Matrix : SOIL Analytical Method : 1,8081B Lab File ID : 10211016a-32 Sample Amount : 15.13 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N Sulfur Cleanup : N	Lab Number : L2155380 Project Number : HKV2101 Date Collected : 10/11/21 12:15 Date Received : 10/11/21 Date Analyzed : 10/16/21 16:20 Date Extracted : 10/12/21 Dilution Factor : 1 Analyst : SDC Instrument ID : PEST10 GC Column : CLPPesticidesII %Solids : 96 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
72-20-8	Endrin	0.712	0.689	0.282	P
72-54-8	4,4'-DDD	1.28	1.65	0.590	J
50-29-3	4,4'-DDT	89.6	3.10	1.33	
1031-07-8	Endosulfan sulfate	3.03	0.689	0.328	
72-43-5	Methoxychlor	ND	3.10	0.965	UIP

Results Summary

Form 1

Organochlorine Pesticides by GC

Client : P. W. Grosser	Lab Number : L2155380
Project Name : HK VENTURES-CALVERTON	Project Number : HKV2101
Lab ID : L2155380-05	Date Collected : 10/11/21 12:35
Client ID : SB005_1-3	Date Received : 10/11/21
Sample Location : 4285 MIDDLE COUNTRY RD, CALVERTON, NY	Date Analyzed : 10/16/21 16:31
Sample Matrix : SOIL	Date Extracted : 10/12/21
Analytical Method : 1,8081B	Dilution Factor : 1
Lab File ID : 10211016a-33	Analyst : SDC
Sample Amount : 15.46 g	Instrument ID : PEST10
Extraction Method : EPA 3546	GC Column : CLPPesticides
Extract Volume : 1000 uL	%Solids : 91
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : N	

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
319-86-8	Delta-BHC	ND	1.70	0.333	U
58-89-9	Lindane	ND	0.709	0.317	U
319-84-6	Alpha-BHC	ND	0.709	0.201	U
319-85-7	Beta-BHC	ND	1.70	0.645	U
76-44-8	Heptachlor	ND	0.851	0.382	U
309-00-2	Aldrin	ND	1.70	0.599	U
1024-57-3	Heptachlor epoxide	ND	3.19	0.957	U
7421-93-4	Endrin aldehyde	ND	2.13	0.745	U
53494-70-5	Endrin ketone	2.55	1.70	0.438	IP
60-57-1	Dieldrin	8.88	1.06	0.532	
959-98-8	Endosulfan I	ND	1.70	0.402	U
33213-65-9	Endosulfan II	0.642	1.70	0.569	J
8001-35-2	Toxaphene	ND	31.9	8.94	U
5103-71-9	cis-Chlordane	ND	2.13	0.593	U
5103-74-2	trans-Chlordane	ND	2.13	0.562	U
57-74-9	Chlordane	ND	14.2	5.64	U

Results Summary

Form 1

Organochlorine Pesticides by GC

Client : P. W. Grosser Project Name : HK VENTURES-CALVERTON Lab ID : L2155380-05 Client ID : SB005_1-3 Sample Location : 4285 MIDDLE COUNTRY RD, CALVERTON, NY Sample Matrix : SOIL Analytical Method : 1,8081B Lab File ID : 10211016a-33 Sample Amount : 15.46 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N Sulfur Cleanup : N	Lab Number : L2155380 Project Number : HKV2101 Date Collected : 10/11/21 12:35 Date Received : 10/11/21 Date Analyzed : 10/16/21 16:31 Date Extracted : 10/12/21 Dilution Factor : 1 Analyst : SDC Instrument ID : PEST10 GC Column : CLPPesticidesII %Solids : 91 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
72-20-8	Endrin	0.865	0.709	0.291	
72-55-9	4,4'-DDE	108	1.70	0.394	
72-54-8	4,4'-DDD	3.09	1.70	0.607	
50-29-3	4,4'-DDT	145	3.19	1.37	E
1031-07-8	Endosulfan sulfate	4.40	0.709	0.338	
72-43-5	Methoxychlor	ND	3.19	0.993	UIP

Results Summary

Form 1

Organochlorine Pesticides by GC

Client	: P. W. Grosser	Lab Number	: L2155380
Project Name	: HK VENTURES-CALVERTON	Project Number	: HKV2101
Lab ID	: L2155380-05D	Date Collected	: 10/11/21 12:35
Client ID	: SB005_1-3	Date Received	: 10/11/21
Sample Location	: 4285 MIDDLE COUNTRY RD, CALVERTON, NY	Date Analyzed	: 10/22/21 17:03
Sample Matrix	: SOIL	Date Extracted	: 10/12/21
Analytical Method	: 1,8081B	Dilution Factor	: 2
Lab File ID	: 10211022a-34	Analyst	: EJL
Sample Amount	: 15.46 g	Instrument ID	: PEST10
Extraction Method	: EPA 3546	GC Column	: CLPPesticidesII
Extract Volume	: 1000 uL	%Solids	: 91
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: N		

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
50-29-3	4,4'-DDT	131	6.38	2.74	

Results Summary

Form 1

Organochlorine Pesticides by GC

Client : P. W. Grosser Project Name : HK VENTURES-CALVERTON Lab ID : L2155380-06 Client ID : SB006_2-4 Sample Location : 4285 MIDDLE COUNTRY RD, CALVERTON, NY Sample Matrix : SOIL Analytical Method : 1,8081B Lab File ID : 10211016a-34 Sample Amount : 15.79 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N Sulfur Cleanup : N	Lab Number : L2155380 Project Number : HKV2101 Date Collected : 10/11/21 12:55 Date Received : 10/11/21 Date Analyzed : 10/16/21 16:42 Date Extracted : 10/12/21 Dilution Factor : 1 Analyst : SDC Instrument ID : PEST10 GC Column : CLPPesticides %Solids : 92 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
319-86-8	Delta-BHC	ND	1.65	0.323	U
58-89-9	Lindane	ND	0.688	0.307	U
319-84-6	Alpha-BHC	ND	0.688	0.195	U
319-85-7	Beta-BHC	ND	1.65	0.626	U
76-44-8	Heptachlor	ND	0.825	0.370	U
309-00-2	Aldrin	ND	1.65	0.581	U
1024-57-3	Heptachlor epoxide	ND	3.09	0.928	U
72-20-8	Endrin	ND	0.688	0.282	U
7421-93-4	Endrin aldehyde	ND	2.06	0.722	U
53494-70-5	Endrin ketone	1.01	1.65	0.425	JIP
60-57-1	Dieldrin	0.844	1.03	0.516	J
959-98-8	Endosulfan I	ND	1.65	0.390	U
33213-65-9	Endosulfan II	ND	1.65	0.551	U
72-43-5	Methoxychlor	ND	3.09	0.963	U
8001-35-2	Toxaphene	ND	30.9	8.66	U
5103-71-9	cis-Chlordane	ND	2.06	0.575	U
5103-74-2	trans-Chlordane	ND	2.06	0.545	U
57-74-9	Chlordane	ND	13.8	5.47	U

Results Summary

Form 1

Organochlorine Pesticides by GC

Client : P. W. Grosser Project Name : HK VENTURES-CALVERTON Lab ID : L2155380-06 Client ID : SB006_2-4 Sample Location : 4285 MIDDLE COUNTRY RD, CALVERTON, NY Sample Matrix : SOIL Analytical Method : 1,8081B Lab File ID : 10211016a-34 Sample Amount : 15.79 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N Sulfur Cleanup : N	Lab Number : L2155380 Project Number : HKV2101 Date Collected : 10/11/21 12:55 Date Received : 10/11/21 Date Analyzed : 10/16/21 16:42 Date Extracted : 10/12/21 Dilution Factor : 1 Analyst : SDC Instrument ID : PEST10 GC Column : CLPPesticidesII %Solids : 92 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
72-55-9	4,4'-DDE	6.89	1.65	0.382	
72-54-8	4,4'-DDD	ND	1.65	0.589	U
50-29-3	4,4'-DDT	13.0	3.09	1.33	
1031-07-8	Endosulfan sulfate	0.725	0.688	0.327	P

Results Summary

Form 1

Organochlorine Pesticides by GC

Client : P. W. Grosser Project Name : HK VENTURES-CALVERTON Lab ID : L2155380-07 Client ID : SB007_5-7 Sample Location : 4285 MIDDLE COUNTRY RD, CALVERTON, NY Sample Matrix : SOIL Analytical Method : 1,8081B Lab File ID : 10211016a-35 Sample Amount : 15.26 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N Sulfur Cleanup : N	Lab Number : L2155380 Project Number : HKV2101 Date Collected : 10/11/21 13:20 Date Received : 10/11/21 Date Analyzed : 10/16/21 16:53 Date Extracted : 10/12/21 Dilution Factor : 1 Analyst : SDC Instrument ID : PEST10 GC Column : CLPPesticides %Solids : 99 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
319-86-8	Delta-BHC	ND	1.58	0.310	U
58-89-9	Lindane	ND	0.660	0.295	U
319-84-6	Alpha-BHC	ND	0.660	0.188	U
319-85-7	Beta-BHC	ND	1.58	0.601	U
76-44-8	Heptachlor	ND	0.793	0.355	U
309-00-2	Aldrin	ND	1.58	0.558	U
1024-57-3	Heptachlor epoxide	ND	2.97	0.892	U
72-20-8	Endrin	ND	0.660	0.271	U
7421-93-4	Endrin aldehyde	ND	1.98	0.694	U
53494-70-5	Endrin ketone	0.894	1.58	0.408	JIP
60-57-1	Dieldrin	ND	0.991	0.495	U
959-98-8	Endosulfan I	ND	1.58	0.374	U
33213-65-9	Endosulfan II	ND	1.58	0.530	U
72-43-5	Methoxychlor	ND	2.97	0.925	U
8001-35-2	Toxaphene	ND	29.7	8.32	U
5103-71-9	cis-Chlordane	ND	1.98	0.552	U
5103-74-2	trans-Chlordane	ND	1.98	0.523	U
57-74-9	Chlordane	ND	13.2	5.25	U

Results Summary

Form 1

Organochlorine Pesticides by GC

Client : P. W. Grosser Project Name : HK VENTURES-CALVERTON Lab ID : L2155380-07 Client ID : SB007_5-7 Sample Location : 4285 MIDDLE COUNTRY RD, CALVERTON, NY Sample Matrix : SOIL Analytical Method : 1,8081B Lab File ID : 10211016a-35 Sample Amount : 15.26 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N Sulfur Cleanup : N	Lab Number : L2155380 Project Number : HKV2101 Date Collected : 10/11/21 13:20 Date Received : 10/11/21 Date Analyzed : 10/16/21 16:53 Date Extracted : 10/12/21 Dilution Factor : 1 Analyst : SDC Instrument ID : PEST10 GC Column : CLPPesticidesII %Solids : 99 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
72-55-9	4,4'-DDE	2.35	1.58	0.367	
72-54-8	4,4'-DDD	ND	1.58	0.565	U
50-29-3	4,4'-DDT	5.87	2.97	1.27	
1031-07-8	Endosulfan sulfate	ND	0.660	0.314	U

Results Summary

Form 1

Organochlorine Pesticides by GC

Client : P. W. Grosser Project Name : HK VENTURES-CALVERTON Lab ID : L2155380-08 Client ID : SB008_6-8 Sample Location : 4285 MIDDLE COUNTRY RD, CALVERTON, NY Sample Matrix : SOIL Analytical Method : 1,8081B Lab File ID : 10211016a-36 Sample Amount : 15.93 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N Sulfur Cleanup : N	Lab Number : L2155380 Project Number : HKV2101 Date Collected : 10/11/21 13:45 Date Received : 10/11/21 Date Analyzed : 10/16/21 17:04 Date Extracted : 10/12/21 Dilution Factor : 1 Analyst : SDC Instrument ID : PEST10 GC Column : CLPPesticides %Solids : 84 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
319-86-8	Delta-BHC	ND	1.80	0.352	U
58-89-9	Lindane	ND	0.748	0.334	U
319-84-6	Alpha-BHC	ND	0.748	0.212	U
319-85-7	Beta-BHC	ND	1.80	0.681	U
76-44-8	Heptachlor	ND	0.898	0.402	U
309-00-2	Aldrin	ND	1.80	0.632	U
1024-57-3	Heptachlor epoxide	ND	3.37	1.01	U
72-20-8	Endrin	ND	0.748	0.307	U
7421-93-4	Endrin aldehyde	ND	2.24	0.786	U
53494-70-5	Endrin ketone	1.26	1.80	0.462	JIP
60-57-1	Dieldrin	ND	1.12	0.561	U
72-55-9	4,4'-DDE	ND	1.80	0.415	U
72-54-8	4,4'-DDD	ND	1.80	0.640	U
50-29-3	4,4'-DDT	ND	3.37	1.44	U
959-98-8	Endosulfan I	ND	1.80	0.424	U
33213-65-9	Endosulfan II	ND	1.80	0.600	U
1031-07-8	Endosulfan sulfate	ND	0.748	0.356	U
72-43-5	Methoxychlor	ND	3.37	1.05	U
8001-35-2	Toxaphene	ND	33.7	9.43	U
5103-71-9	cis-Chlordane	ND	2.24	0.626	U

Results Summary

Form 1

Organochlorine Pesticides by GC

Client	: P. W. Grosser	Lab Number	: L2155380
Project Name	: HK VENTURES-CALVERTON	Project Number	: HKV2101
Lab ID	: L2155380-08	Date Collected	: 10/11/21 13:45
Client ID	: SB008_6-8	Date Received	: 10/11/21
Sample Location	: 4285 MIDDLE COUNTRY RD, CALVERTON, NY	Date Analyzed	: 10/16/21 17:04
Sample Matrix	: SOIL	Date Extracted	: 10/12/21
Analytical Method	: 1,8081B	Dilution Factor	: 1
Lab File ID	: 10211016a-36	Analyst	: SDC
Sample Amount	: 15.93 g	Instrument ID	: PEST10
Extraction Method	: EPA 3546	GC Column	: CLPPesticides
Extract Volume	: 1000 uL	%Solids	: 84
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: N		

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
5103-74-2	trans-Chlordane	ND	2.24	0.592	U
57-74-9	Chlordane	ND	15.0	5.95	U

Results Summary

Form 1

Organochlorine Pesticides by GC

Client : P. W. Grosser Project Name : HK VENTURES-CALVERTON Lab ID : L2155380-09 Client ID : SB009_2-4 Sample Location : 4285 MIDDLE COUNTRY RD, CALVERTON, NY Sample Matrix : SOIL Analytical Method : 1,8081B Lab File ID : 10211016a-37 Sample Amount : 15.38 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N Sulfur Cleanup : N	Lab Number : L2155380 Project Number : HKV2101 Date Collected : 10/11/21 14:05 Date Received : 10/11/21 Date Analyzed : 10/16/21 17:15 Date Extracted : 10/12/21 Dilution Factor : 1 Analyst : SDC Instrument ID : PEST10 GC Column : CLPPesticides %Solids : 91 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
319-86-8	Delta-BHC	ND	1.72	0.337	U
58-89-9	Lindane	ND	0.718	0.321	U
319-84-6	Alpha-BHC	ND	0.718	0.204	U
319-85-7	Beta-BHC	ND	1.72	0.653	U
72-20-8	Endrin	ND	0.718	0.294	U
7421-93-4	Endrin aldehyde	ND	2.15	0.754	U
53494-70-5	Endrin ketone	ND	1.72	0.444	U
959-98-8	Endosulfan I	ND	1.72	0.407	U
33213-65-9	Endosulfan II	ND	1.72	0.576	U
1031-07-8	Endosulfan sulfate	2.48	0.718	0.342	IP
72-43-5	Methoxychlor	ND	3.23	1.00	U
8001-35-2	Toxaphene	ND	32.3	9.04	U
5103-71-9	cis-Chlordane	22.6	2.15	0.600	

Results Summary

Form 1

Organochlorine Pesticides by GC

Client : P. W. Grosser Project Name : HK VENTURES-CALVERTON Lab ID : L2155380-09 Client ID : SB009_2-4 Sample Location : 4285 MIDDLE COUNTRY RD, CALVERTON, NY Sample Matrix : SOIL Analytical Method : 1,8081B Lab File ID : 10211016a-37 Sample Amount : 15.38 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N Sulfur Cleanup : N	Lab Number : L2155380 Project Number : HKV2101 Date Collected : 10/11/21 14:05 Date Received : 10/11/21 Date Analyzed : 10/16/21 17:15 Date Extracted : 10/12/21 Dilution Factor : 1 Analyst : SDC Instrument ID : PEST10 GC Column : CLPPesticidesII %Solids : 91 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
76-44-8	Heptachlor	0.863	0.861	0.386	
309-00-2	Aldrin	ND	1.72	0.606	U
1024-57-3	Heptachlor epoxide	2.05	3.23	0.969	JIP
60-57-1	Dieldrin	23.3	1.08	0.538	
72-55-9	4,4'-DDE	249	1.72	0.398	E
72-54-8	4,4'-DDD	51.3	1.72	0.614	
50-29-3	4,4'-DDT	202	3.23	1.38	E
5103-74-2	trans-Chlordane	21.2	2.15	0.568	
57-74-9	Chlordane	131	14.4	5.70	P

Results Summary

Form 1

Organochlorine Pesticides by GC

Client : P. W. Grosser Project Name : HK VENTURES-CALVERTON Lab ID : L2155380-09D Client ID : SB009_2-4 Sample Location : 4285 MIDDLE COUNTRY RD, CALVERTON, NY Sample Matrix : SOIL Analytical Method : 1,8081B Lab File ID : 10211022a-36 Sample Amount : 15.38 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N Sulfur Cleanup : N	Lab Number : L2155380 Project Number : HKV2101 Date Collected : 10/11/21 14:05 Date Received : 10/11/21 Date Analyzed : 10/22/21 17:25 Date Extracted : 10/12/21 Dilution Factor : 5 Analyst : EJJ Instrument ID : PEST10 GC Column : CLPPesticidesII %Solids : 91 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
72-55-9	4,4'-DDE	243	8.61	1.99	
50-29-3	4,4'-DDT	203	16.1	6.92	

Results Summary

Form 1

Organochlorine Pesticides by GC

Client : P. W. Grosser Project Name : HK VENTURES-CALVERTON Lab ID : L2155380-10D Client ID : SB010_6-8 Sample Location : 4285 MIDDLE COUNTRY RD, CALVERTON, NY Sample Matrix : SOIL Analytical Method : 1,8081B Lab File ID : 11211022a-29 Sample Amount : 15.72 g Extraction Method : EPA 3546 Extract Volume : 1000 uL GPC Cleanup : N Sulfur Cleanup : Y	Lab Number : L2155380 Project Number : HKV2101 Date Collected : 10/11/21 14:25 Date Received : 10/11/21 Date Analyzed : 10/22/21 18:07 Date Extracted : 10/12/21 Dilution Factor : 5 Analyst : SDC Instrument ID : PEST11 GC Column : CLPPesticidesII %Solids : 91 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
319-86-8	Delta-BHC	ND	8.36	1.64	U
58-89-9	Lindane	ND	3.48	1.56	U
319-84-6	Alpha-BHC	ND	3.48	0.989	U
319-85-7	Beta-BHC	ND	8.36	3.17	U
76-44-8	Heptachlor	ND	4.18	1.87	U
309-00-2	Aldrin	4.66	8.36	2.94	JP
1024-57-3	Heptachlor epoxide	ND	15.7	4.70	U
72-20-8	Endrin	ND	3.48	1.43	U
7421-93-4	Endrin aldehyde	ND	10.4	3.66	U
53494-70-5	Endrin ketone	4.69	8.36	2.15	JP
60-57-1	Dieldrin	32.7	5.22	2.61	P
72-55-9	4,4'-DDE	157	8.36	1.93	P
72-54-8	4,4'-DDD	249	8.36	2.98	P
50-29-3	4,4'-DDT	196	15.7	6.72	P
959-98-8	Endosulfan I	ND	8.36	1.98	U
33213-65-9	Endosulfan II	ND	8.36	2.79	U
1031-07-8	Endosulfan sulfate	46.2	3.48	1.66	P
72-43-5	Methoxychlor	ND	15.7	4.88	U
8001-35-2	Toxaphene	ND	157	43.9	U
5103-71-9	cis-Chlordane	25.8	10.4	2.91	P

Results Summary

Form 1

Organochlorine Pesticides by GC

Client	: P. W. Grosser	Lab Number	: L2155380
Project Name	: HK VENTURES-CALVERTON	Project Number	: HKV2101
Lab ID	: L2155380-10D	Date Collected	: 10/11/21 14:25
Client ID	: SB010_6-8	Date Received	: 10/11/21
Sample Location	: 4285 MIDDLE COUNTRY RD, CALVERTON, NY	Date Analyzed	: 10/22/21 18:07
Sample Matrix	: SOIL	Date Extracted	: 10/12/21
Analytical Method	: 1,8081B	Dilution Factor	: 5
Lab File ID	: 11211022a-29	Analyst	: SDC
Sample Amount	: 15.72 g	Instrument ID	: PEST11
Extraction Method	: EPA 3546	GC Column	: CLPPesticidesII
Extract Volume	: 1000 uL	%Solids	: 91
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: Y		

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
5103-74-2	trans-Chlordane	22.4	10.4	2.76	P
57-74-9	Chlordane	ND	69.7	27.7	U

Results Summary

Form 1

Organochlorine Pesticides by GC

Client : P. W. Grosser
 Project Name : HK VENTURES-CALVERTON
 Lab ID : WG1557748-1
 Client ID : WG1557748-1BLANK
 Sample Location :
 Sample Matrix : SOIL
 Analytical Method : 1,8081B
 Lab File ID : 11211022a-10
 Sample Amount : 15.71 g
 Extraction Method : EPA 3546
 Extract Volume : 1000 uL
 GPC Cleanup : N
 Sulfur Cleanup : N

Lab Number : L2155380
 Project Number : HKV2101
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 10/22/21 12:31
 Date Extracted : 10/12/21
 Dilution Factor : 1
 Analyst : SDC
 Instrument ID : PEST11
 GC Column : CLPPesticides
 %Solids : NA
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
319-86-8	Delta-BHC	ND	1.53	0.299	U
58-89-9	Lindane	ND	0.636	0.284	U
319-84-6	Alpha-BHC	ND	0.636	0.181	U
319-85-7	Beta-BHC	ND	1.53	0.579	U
76-44-8	Heptachlor	ND	0.764	0.342	U
309-00-2	Aldrin	ND	1.53	0.538	U
1024-57-3	Heptachlor epoxide	ND	2.86	0.859	U
72-20-8	Endrin	ND	0.636	0.261	U
7421-93-4	Endrin aldehyde	ND	1.91	0.668	U
53494-70-5	Endrin ketone	ND	1.53	0.393	U
60-57-1	Dieldrin	ND	0.955	0.477	U
72-55-9	4,4'-DDE	ND	1.53	0.353	U
72-54-8	4,4'-DDD	ND	1.53	0.545	U
50-29-3	4,4'-DDT	ND	2.86	1.23	U
959-98-8	Endosulfan I	ND	1.53	0.361	U
33213-65-9	Endosulfan II	ND	1.53	0.510	U
1031-07-8	Endosulfan sulfate	ND	0.636	0.303	U
72-43-5	Methoxychlor	ND	2.86	0.891	U
8001-35-2	Toxaphene	ND	28.6	8.02	U
5103-71-9	cis-Chlordane	ND	1.91	0.532	U
5103-74-2	trans-Chlordane	ND	1.91	0.504	U

Results Summary

Form 1

Organochlorine Pesticides by GC

Client : P. W. Grosser
 Project Name : HK VENTURES-CALVERTON
 Lab ID : WG1557748-1
 Client ID : WG1557748-1BLANK
 Sample Location :
 Sample Matrix : SOIL
 Analytical Method : 1,8081B
 Lab File ID : 11211022a-10
 Sample Amount : 15.71 g
 Extraction Method : EPA 3546
 Extract Volume : 1000 uL
 GPC Cleanup : N
 Sulfur Cleanup : N

Lab Number : L2155380
 Project Number : HKV2101
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 10/22/21 12:31
 Date Extracted : 10/12/21
 Dilution Factor : 1
 Analyst : SDC
 Instrument ID : PEST11
 GC Column : CLPPesticides
 %Solids : NA
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
57-74-9	Chlordane	ND	12.7	5.06	U

Results Summary

Form 1

Organochlorine Pesticides by GC

Client : P. W. Grosser
 Project Name : HK VENTURES-CALVERTON
 Lab ID : WG1562633-1
 Client ID : WG1562633-1BLANK
 Sample Location :
 Sample Matrix : SOIL
 Analytical Method : 1,8081B
 Lab File ID : 11211022a-25
 Sample Amount : 15.71 g
 Extraction Method : EPA 3546
 Extract Volume : 1000 uL
 GPC Cleanup : N
 Sulfur Cleanup : Y

Lab Number : L2155380
 Project Number : HKV2101
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 10/22/21 17:23
 Date Extracted : 10/12/21
 Dilution Factor : 1
 Analyst : SDC
 Instrument ID : PEST11
 GC Column : CLPPesticides
 %Solids : NA
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
319-86-8	Delta-BHC	ND	1.53	0.299	U
58-89-9	Lindane	ND	0.636	0.284	U
319-84-6	Alpha-BHC	ND	0.636	0.181	U
319-85-7	Beta-BHC	ND	1.53	0.579	U
76-44-8	Heptachlor	ND	0.764	0.342	U
309-00-2	Aldrin	ND	1.53	0.538	U
1024-57-3	Heptachlor epoxide	ND	2.86	0.859	U
72-20-8	Endrin	ND	0.636	0.261	U
7421-93-4	Endrin aldehyde	ND	1.91	0.668	U
53494-70-5	Endrin ketone	ND	1.53	0.393	U
60-57-1	Dieldrin	ND	0.955	0.477	U
72-55-9	4,4'-DDE	ND	1.53	0.353	U
72-54-8	4,4'-DDD	ND	1.53	0.545	U
50-29-3	4,4'-DDT	ND	2.86	1.23	U
959-98-8	Endosulfan I	ND	1.53	0.361	U
33213-65-9	Endosulfan II	ND	1.53	0.510	U
1031-07-8	Endosulfan sulfate	ND	0.636	0.303	U
72-43-5	Methoxychlor	ND	2.86	0.891	U
8001-35-2	Toxaphene	ND	28.6	8.02	U
5103-71-9	cis-Chlordane	ND	1.91	0.532	U
5103-74-2	trans-Chlordane	ND	1.91	0.504	U

Results Summary

Form 1

Organochlorine Pesticides by GC

Client : P. W. Grosser
 Project Name : HK VENTURES-CALVERTON
 Lab ID : WG1562633-1
 Client ID : WG1562633-1BLANK
 Sample Location :
 Sample Matrix : SOIL
 Analytical Method : 1,8081B
 Lab File ID : 11211022a-25
 Sample Amount : 15.71 g
 Extraction Method : EPA 3546
 Extract Volume : 1000 uL
 GPC Cleanup : N
 Sulfur Cleanup : Y

Lab Number : L2155380
 Project Number : HKV2101
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 10/22/21 17:23
 Date Extracted : 10/12/21
 Dilution Factor : 1
 Analyst : SDC
 Instrument ID : PEST11
 GC Column : CLPPesticides
 %Solids : NA
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
57-74-9	Chlordane	ND	12.7	5.06	U



GC Extractable Analysis Herbicides

Herbicide Sample Data

Results Summary

Form 1

Chlorinated Herbicides by GC

Client : P. W. Grosser Project Name : HK VENTURES-CALVERTON Lab ID : L2155380-01 Client ID : SB001_0-2 Sample Location : 4285 MIDDLE COUNTRY RD, CALVERTON, NY Sample Matrix : SOIL Analytical Method : 1,8151A Lab File ID : 22211014a-21 Sample Amount : 30.52 g Extraction Method : EPA 8151A Extract Volume : 10000 uL GPC Cleanup : N Sulfur Cleanup : N	Lab Number : L2155380 Project Number : HKV2101 Date Collected : 10/11/21 11:10 Date Received : 10/11/21 Date Analyzed : 10/14/21 17:33 Date Extracted : 10/13/21 Dilution Factor : 1 Analyst : AR Instrument ID : PEST22 GC Column : STX-CLP1 %Solids : 94 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
94-75-7	2,4-D	ND	174	11.0	U
93-76-5	2,4,5-T	ND	174	5.39	U
93-72-1	2,4,5-TP (Silvex)	ND	174	4.63	U

Results Summary

Form 1

Chlorinated Herbicides by GC

Client	: P. W. Grosser	Lab Number	: L2155380
Project Name	: HK VENTURES-CALVERTON	Project Number	: HKV2101
Lab ID	: L2155380-02	Date Collected	: 10/11/21 11:30
Client ID	: SB002_3-5	Date Received	: 10/11/21
Sample Location	: 4285 MIDDLE COUNTRY RD, CALVERTON, NY	Date Analyzed	: 10/14/21 18:09
Sample Matrix	: SOIL	Date Extracted	: 10/13/21
Analytical Method	: 1,8151A	Dilution Factor	: 1
Lab File ID	: 22211014a-23	Analyst	: EJJ
Sample Amount	: 30.02 g	Instrument ID	: PEST22
Extraction Method	: EPA 8151A	GC Column	: STX-CLP1
Extract Volume	: 10000 uL	%Solids	: 98
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: N		

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
94-75-7	2,4-D	ND	170	10.7	U
93-76-5	2,4,5-T	ND	170	5.28	U
93-72-1	2,4,5-TP (Silvex)	ND	170	4.53	U

Results Summary

Form 1

Chlorinated Herbicides by GC

Client : P. W. Grosser Project Name : HK VENTURES-CALVERTON Lab ID : L2155380-03 Client ID : SB003_2-4 Sample Location : 4285 MIDDLE COUNTRY RD, CALVERTON, NY Sample Matrix : SOIL Analytical Method : 1,8151A Lab File ID : 22211014a-24 Sample Amount : 30.2 g Extraction Method : EPA 8151A Extract Volume : 10000 uL GPC Cleanup : N Sulfur Cleanup : N	Lab Number : L2155380 Project Number : HKV2101 Date Collected : 10/11/21 11:50 Date Received : 10/11/21 Date Analyzed : 10/14/21 18:28 Date Extracted : 10/13/21 Dilution Factor : 1 Analyst : EJJ Instrument ID : PEST22 GC Column : STX-CLP1 %Solids : 89 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
94-75-7	2,4-D	ND	186	11.7	U
93-76-5	2,4,5-T	ND	186	5.77	U
93-72-1	2,4,5-TP (Silvex)	ND	186	4.95	U

Results Summary

Form 1

Chlorinated Herbicides by GC

Client : P. W. Grosser Project Name : HK VENTURES-CALVERTON Lab ID : L2155380-04 Client ID : SB004_4-6 Sample Location : 4285 MIDDLE COUNTRY RD, CALVERTON, NY Sample Matrix : SOIL Analytical Method : 1,8151A Lab File ID : 22211014a-25 Sample Amount : 30.78 g Extraction Method : EPA 8151A Extract Volume : 10000 uL GPC Cleanup : N Sulfur Cleanup : N	Lab Number : L2155380 Project Number : HKV2101 Date Collected : 10/11/21 12:15 Date Received : 10/11/21 Date Analyzed : 10/14/21 18:46 Date Extracted : 10/13/21 Dilution Factor : 1 Analyst : EJJ Instrument ID : PEST22 GC Column : STX-CLP1 %Solids : 96 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
94-75-7	2,4-D	ND	169	10.7	U
93-76-5	2,4,5-T	ND	169	5.25	U
93-72-1	2,4,5-TP (Silvex)	ND	169	4.50	U

Results Summary

Form 1

Chlorinated Herbicides by GC

Client : P. W. Grosser Project Name : HK VENTURES-CALVERTON Lab ID : L2155380-05 Client ID : SB005_1-3 Sample Location : 4285 MIDDLE COUNTRY RD, CALVERTON, NY Sample Matrix : SOIL Analytical Method : 1,8151A Lab File ID : 22211014a-26 Sample Amount : 30.32 g Extraction Method : EPA 8151A Extract Volume : 10000 uL GPC Cleanup : N Sulfur Cleanup : N	Lab Number : L2155380 Project Number : HKV2101 Date Collected : 10/11/21 12:35 Date Received : 10/11/21 Date Analyzed : 10/14/21 19:04 Date Extracted : 10/13/21 Dilution Factor : 1 Analyst : EJJ Instrument ID : PEST22 GC Column : STX-CLP1 %Solids : 91 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
94-75-7	2,4-D	ND	181	11.4	U
93-76-5	2,4,5-T	ND	181	5.60	U
93-72-1	2,4,5-TP (Silvex)	ND	181	4.81	U

Results Summary

Form 1

Chlorinated Herbicides by GC

Client : P. W. Grosser Project Name : HK VENTURES-CALVERTON Lab ID : L2155380-06 Client ID : SB006_2-4 Sample Location : 4285 MIDDLE COUNTRY RD, CALVERTON, NY Sample Matrix : SOIL Analytical Method : 1,8151A Lab File ID : 22211014a-27 Sample Amount : 30.52 g Extraction Method : EPA 8151A Extract Volume : 10000 uL GPC Cleanup : N Sulfur Cleanup : N	Lab Number : L2155380 Project Number : HKV2101 Date Collected : 10/11/21 12:55 Date Received : 10/11/21 Date Analyzed : 10/14/21 19:22 Date Extracted : 10/13/21 Dilution Factor : 1 Analyst : EJJ Instrument ID : PEST22 GC Column : STX-CLP1 %Solids : 92 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
94-75-7	2,4-D	ND	178	11.2	U
93-76-5	2,4,5-T	ND	178	5.51	U
93-72-1	2,4,5-TP (Silvex)	ND	178	4.73	U

Results Summary

Form 1

Chlorinated Herbicides by GC

Client : P. W. Grosser Project Name : HK VENTURES-CALVERTON Lab ID : L2155380-07 Client ID : SB007_5-7 Sample Location : 4285 MIDDLE COUNTRY RD, CALVERTON, NY Sample Matrix : SOIL Analytical Method : 1,8151A Lab File ID : 22211014a-28 Sample Amount : 30.45 g Extraction Method : EPA 8151A Extract Volume : 10000 uL GPC Cleanup : N Sulfur Cleanup : N	Lab Number : L2155380 Project Number : HKV2101 Date Collected : 10/11/21 13:20 Date Received : 10/11/21 Date Analyzed : 10/14/21 19:40 Date Extracted : 10/13/21 Dilution Factor : 1 Analyst : EJJ Instrument ID : PEST22 GC Column : STX-CLP1 %Solids : 99 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
94-75-7	2,4-D	ND	166	10.4	U
93-76-5	2,4,5-T	ND	166	5.13	U
93-72-1	2,4,5-TP (Silvex)	ND	166	4.40	U

Results Summary

Form 1

Chlorinated Herbicides by GC

Client : P. W. Grosser Project Name : HK VENTURES-CALVERTON Lab ID : L2155380-08 Client ID : SB008_6-8 Sample Location : 4285 MIDDLE COUNTRY RD, CALVERTON, NY Sample Matrix : SOIL Analytical Method : 1,8151A Lab File ID : 22211014a-29 Sample Amount : 30.06 g Extraction Method : EPA 8151A Extract Volume : 10000 uL GPC Cleanup : N Sulfur Cleanup : N	Lab Number : L2155380 Project Number : HKV2101 Date Collected : 10/11/21 13:45 Date Received : 10/11/21 Date Analyzed : 10/14/21 19:59 Date Extracted : 10/13/21 Dilution Factor : 1 Analyst : EJJ Instrument ID : PEST22 GC Column : STX-CLP1 %Solids : 84 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
94-75-7	2,4-D	ND	198	12.5	U
93-76-5	2,4,5-T	ND	198	6.14	U
93-72-1	2,4,5-TP (Silvex)	ND	198	5.27	U

Results Summary

Form 1

Chlorinated Herbicides by GC

Client	: P. W. Grosser	Lab Number	: L2155380
Project Name	: HK VENTURES-CALVERTON	Project Number	: HKV2101
Lab ID	: L2155380-09	Date Collected	: 10/11/21 14:05
Client ID	: SB009_2-4	Date Received	: 10/11/21
Sample Location	: 4285 MIDDLE COUNTRY RD, CALVERTON, NY	Date Analyzed	: 10/14/21 20:17
Sample Matrix	: SOIL	Date Extracted	: 10/13/21
Analytical Method	: 1,8151A	Dilution Factor	: 1
Lab File ID	: 22211014a-30	Analyst	: EJJ
Sample Amount	: 30.26 g	Instrument ID	: PEST22
Extraction Method	: EPA 8151A	GC Column	: STX-CLP1
Extract Volume	: 10000 uL	%Solids	: 91
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: N		

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
94-75-7	2,4-D	ND	182	11.5	U
93-76-5	2,4,5-T	ND	182	5.65	U
93-72-1	2,4,5-TP (Silvex)	ND	182	4.85	U

Results Summary

Form 1

Chlorinated Herbicides by GC

Client	: P. W. Grosser	Lab Number	: L2155380
Project Name	: HK VENTURES-CALVERTON	Project Number	: HKV2101
Lab ID	: L2155380-10	Date Collected	: 10/11/21 14:25
Client ID	: SB010_6-8	Date Received	: 10/11/21
Sample Location	: 4285 MIDDLE COUNTRY RD, CALVERTON, NY	Date Analyzed	: 10/14/21 20:35
Sample Matrix	: SOIL	Date Extracted	: 10/13/21
Analytical Method	: 1,8151A	Dilution Factor	: 1
Lab File ID	: 22211014a-31	Analyst	: EJJ
Sample Amount	: 30.25 g	Instrument ID	: PEST22
Extraction Method	: EPA 8151A	GC Column	: STX-CLP1
Extract Volume	: 10000 uL	%Solids	: 91
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: N		

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
94-75-7	2,4-D	ND	181	11.4	U
93-76-5	2,4,5-T	ND	181	5.61	U
93-72-1	2,4,5-TP (Silvex)	ND	181	4.82	U

Results Summary

Form 1

Chlorinated Herbicides by GC

Client : P. W. Grosser
 Project Name : HK VENTURES-CALVERTON
 Lab ID : WG1558098-1
 Client ID : WG1558098-1BLANK
 Sample Location :
 Sample Matrix : SOIL
 Analytical Method : 1,8151A
 Lab File ID : 22211014a-14
 Sample Amount : 30.71 g
 Extraction Method : EPA 8151A
 Extract Volume : 10000 uL
 GPC Cleanup : N
 Sulfur Cleanup : N

Lab Number : L2155380
 Project Number : HKV2101
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 10/14/21 15:26
 Date Extracted : 10/13/21
 Dilution Factor : 1
 Analyst : AR
 Instrument ID : PEST22
 GC Column : STX-CLP1
 %Solids : NA
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
94-75-7	2,4-D	ND	163	10.2	U
93-76-5	2,4,5-T	ND	163	5.05	U
93-72-1	2,4,5-TP (Silvex)	ND	163	4.33	U

Metals

Inorganic Data (ICP Analysis)

Form 1 METALS

Client : P. W. Grosser
 Project Name : HK VENTURES-CALVERTON
 Lab ID : L2155380-01
 Client ID : SB001_0-2
 Sample Location : 4285 MIDDLE COUNTRY RD,
 CALVERTON, NY
 Sample Matrix : SOIL
 Analytical Method : 1,6010D
 Lab File ID : WG1560838.pdf
 Sample Amount : 1.313g
 Digestion Method : EPA 3050B

Lab Number : L2155380
 Project Number : HKV2101
 Date Collected : 10/11/21 11:10
 Date Received : 10/11/21
 Date Analyzed : 10/20/21 17:27
 Dilution Factor : 2
 Analyst : SV
 Instrument ID : TRACE5
 %Solids : 94
 Date Digested : 10/12/21

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
7429-90-5	Aluminum, Total	4260	8.08	2.18	
7440-36-0	Antimony, Total	ND	4.04	0.307	U
7440-38-2	Arsenic, Total	9.11	0.808	0.168	
7440-39-3	Barium, Total	7.14	0.808	0.141	
7440-41-7	Beryllium, Total	0.113	0.404	0.027	J
7440-43-9	Cadmium, Total	ND	0.808	0.079	U
7440-70-2	Calcium, Total	545	8.08	2.83	
7440-47-3	Chromium, Total	4.72	0.808	0.078	
7440-48-4	Cobalt, Total	0.760	1.62	0.134	J
7440-50-8	Copper, Total	7.96	0.808	0.208	
7439-89-6	Iron, Total	5560	4.04	0.730	
7439-92-1	Lead, Total	5.64	4.04	0.217	
7439-95-4	Magnesium, Total	453	8.08	1.24	
7439-96-5	Manganese, Total	18.3	0.808	0.128	
7440-02-0	Nickel, Total	1.51	2.02	0.196	J
7440-09-7	Potassium, Total	84.7	202	11.6	J
7782-49-2	Selenium, Total	0.251	1.62	0.208	J
7440-22-4	Silver, Total	ND	0.808	0.229	U
7440-23-5	Sodium, Total	3.06	162	2.55	J
7440-28-0	Thallium, Total	ND	1.62	0.255	U
7440-62-2	Vanadium, Total	7.66	0.808	0.164	
7440-66-6	Zinc, Total	6.10	4.04	0.237	



Form 1 METALS

Client : P. W. Grosser
 Project Name : HK VENTURES-CALVERTON
 Lab ID : L2155380-02
 Client ID : SB002_3-5
 Sample Location : 4285 MIDDLE COUNTRY RD,
 CALVERTON, NY
 Sample Matrix : SOIL
 Analytical Method : 1,6010D
 Lab File ID : WG1560838.pdf
 Sample Amount : 1.3g
 Digestion Method : EPA 3050B

Lab Number : L2155380
 Project Number : HKV2101
 Date Collected : 10/11/21 11:30
 Date Received : 10/11/21
 Date Analyzed : 10/20/21 17:31
 Dilution Factor : 2
 Analyst : DL
 Instrument ID : TRACE5
 %Solids : 98
 Date Digested : 10/12/21

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
7429-90-5	Aluminum, Total	664	7.86	2.12	
7440-36-0	Antimony, Total	ND	3.93	0.299	U
7440-38-2	Arsenic, Total	2.38	0.786	0.164	
7440-39-3	Barium, Total	0.904	0.786	0.137	
7440-41-7	Beryllium, Total	ND	0.393	0.026	U
7440-43-9	Cadmium, Total	ND	0.786	0.077	U
7440-70-2	Calcium, Total	15.4	7.86	2.75	
7440-47-3	Chromium, Total	2.18	0.786	0.076	
7440-48-4	Cobalt, Total	0.197	1.57	0.130	J
7440-50-8	Copper, Total	0.794	0.786	0.203	
7439-89-6	Iron, Total	731	3.93	0.710	
7439-92-1	Lead, Total	0.645	3.93	0.211	J
7439-95-4	Magnesium, Total	55.0	7.86	1.21	
7439-96-5	Manganese, Total	3.78	0.786	0.125	
7440-02-0	Nickel, Total	0.315	1.97	0.190	J
7440-09-7	Potassium, Total	24.2	197	11.3	J
7782-49-2	Selenium, Total	ND	1.57	0.203	U
7440-22-4	Silver, Total	ND	0.786	0.222	U
7440-23-5	Sodium, Total	ND	157	2.48	U
7440-28-0	Thallium, Total	ND	1.57	0.248	U
7440-62-2	Vanadium, Total	1.28	0.786	0.160	
7440-66-6	Zinc, Total	1.20	3.93	0.230	J



Form 1 METALS

Client : P. W. Grosser
 Project Name : HK VENTURES-CALVERTON
 Lab ID : L2155380-03
 Client ID : SB003_2-4
 Sample Location : 4285 MIDDLE COUNTRY RD,
 CALVERTON, NY
 Sample Matrix : SOIL
 Analytical Method : 1,6010D
 Lab File ID : WG1560838.pdf
 Sample Amount : 1.276g
 Digestion Method : EPA 3050B

Lab Number : L2155380
 Project Number : HKV2101
 Date Collected : 10/11/21 11:50
 Date Received : 10/11/21
 Date Analyzed : 10/20/21 17:35
 Dilution Factor : 2
 Analyst : DL
 Instrument ID : TRACE5
 %Solids : 89
 Date Digested : 10/12/21

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
7429-90-5	Aluminum, Total	9340	8.82	2.38	
7440-36-0	Antimony, Total	ND	4.41	0.335	U
7440-38-2	Arsenic, Total	6.00	0.882	0.183	
7440-39-3	Barium, Total	22.5	0.882	0.153	
7440-41-7	Beryllium, Total	0.238	0.441	0.029	J
7440-43-9	Cadmium, Total	ND	0.882	0.086	U
7440-70-2	Calcium, Total	79.7	8.82	3.08	
7440-47-3	Chromium, Total	8.49	0.882	0.085	
7440-48-4	Cobalt, Total	2.56	1.76	0.146	
7440-50-8	Copper, Total	4.71	0.882	0.227	
7439-89-6	Iron, Total	9850	4.41	0.796	
7439-92-1	Lead, Total	4.42	4.41	0.236	
7439-95-4	Magnesium, Total	909	8.82	1.36	
7439-96-5	Manganese, Total	56.3	0.882	0.140	
7440-02-0	Nickel, Total	4.32	2.20	0.213	
7440-09-7	Potassium, Total	140	220	12.7	J
7782-49-2	Selenium, Total	ND	1.76	0.227	U
7440-22-4	Silver, Total	ND	0.882	0.249	U
7440-23-5	Sodium, Total	5.52	176	2.78	J
7440-28-0	Thallium, Total	ND	1.76	0.278	U
7440-62-2	Vanadium, Total	12.9	0.882	0.179	
7440-66-6	Zinc, Total	13.1	4.41	0.258	



Form 1 METALS

Client : P. W. Grosser
 Project Name : HK VENTURES-CALVERTON
 Lab ID : L2155380-04
 Client ID : SB004_4-6
 Sample Location : 4285 MIDDLE COUNTRY RD,
 CALVERTON, NY
 Sample Matrix : SOIL
 Analytical Method : 1,6010D
 Lab File ID : WG1560838.pdf
 Sample Amount : 1.268g
 Digestion Method : EPA 3050B

Lab Number : L2155380
 Project Number : HKV2101
 Date Collected : 10/11/21 12:15
 Date Received : 10/11/21
 Date Analyzed : 10/20/21 18:08
 Dilution Factor : 2
 Analyst : DL
 Instrument ID : TRACE5
 %Solids : 96
 Date Digested : 10/12/21

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
7429-90-5	Aluminum, Total	9350	8.22	2.22	
7440-36-0	Antimony, Total	ND	4.11	0.312	U
7440-38-2	Arsenic, Total	9.04	0.822	0.171	
7440-39-3	Barium, Total	14.8	0.822	0.143	
7440-41-7	Beryllium, Total	0.206	0.411	0.027	J
7440-43-9	Cadmium, Total	ND	0.822	0.081	U
7440-70-2	Calcium, Total	194	8.22	2.88	
7440-47-3	Chromium, Total	10.7	0.822	0.079	
7440-48-4	Cobalt, Total	3.67	1.64	0.136	
7440-50-8	Copper, Total	12.0	0.822	0.212	
7439-89-6	Iron, Total	10100	4.11	0.742	
7439-92-1	Lead, Total	8.78	4.11	0.220	
7439-95-4	Magnesium, Total	1040	8.22	1.27	
7439-96-5	Manganese, Total	84.0	0.822	0.131	
7440-02-0	Nickel, Total	5.19	2.06	0.199	
7440-09-7	Potassium, Total	200	206	11.8	J
7782-49-2	Selenium, Total	0.312	1.64	0.212	J
7440-22-4	Silver, Total	ND	0.822	0.233	U
7440-23-5	Sodium, Total	10.8	164	2.59	J
7440-28-0	Thallium, Total	ND	1.64	0.259	U
7440-62-2	Vanadium, Total	15.1	0.822	0.167	
7440-66-6	Zinc, Total	15.9	4.11	0.241	



Form 1 METALS

Client : P. W. Grosser
 Project Name : HK VENTURES-CALVERTON
 Lab ID : L2155380-05
 Client ID : SB005_1-3
 Sample Location : 4285 MIDDLE COUNTRY RD,
 CALVERTON, NY
 Sample Matrix : SOIL
 Analytical Method : 1,6010D
 Lab File ID : WG1560838.pdf
 Sample Amount : 1.266g
 Digestion Method : EPA 3050B

Lab Number : L2155380
 Project Number : HKV2101
 Date Collected : 10/11/21 12:35
 Date Received : 10/11/21
 Date Analyzed : 10/20/21 18:12
 Dilution Factor : 2
 Analyst : DL
 Instrument ID : TRACE5
 %Solids : 91
 Date Digested : 10/12/21

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
7429-90-5	Aluminum, Total	10300	8.66	2.34	
7440-36-0	Antimony, Total	ND	4.33	0.329	U
7440-38-2	Arsenic, Total	5.81	0.866	0.180	
7440-39-3	Barium, Total	16.8	0.866	0.151	
7440-41-7	Beryllium, Total	0.286	0.433	0.029	J
7440-43-9	Cadmium, Total	ND	0.866	0.085	U
7440-70-2	Calcium, Total	78.1	8.66	3.03	
7440-47-3	Chromium, Total	10.4	0.866	0.083	
7440-48-4	Cobalt, Total	4.36	1.73	0.144	
7440-50-8	Copper, Total	7.91	0.866	0.223	
7439-89-6	Iron, Total	10200	4.33	0.782	
7439-92-1	Lead, Total	5.52	4.33	0.232	
7439-95-4	Magnesium, Total	1140	8.66	1.33	
7439-96-5	Manganese, Total	76.5	0.866	0.138	
7440-02-0	Nickel, Total	6.01	2.16	0.210	
7440-09-7	Potassium, Total	195	216	12.5	J
7782-49-2	Selenium, Total	0.407	1.73	0.223	J
7440-22-4	Silver, Total	ND	0.866	0.245	U
7440-23-5	Sodium, Total	9.57	173	2.73	J
7440-28-0	Thallium, Total	ND	1.73	0.273	U
7440-62-2	Vanadium, Total	14.9	0.866	0.176	
7440-66-6	Zinc, Total	14.7	4.33	0.254	



Form 1 METALS

Client : P. W. Grosser
 Project Name : HK VENTURES-CALVERTON
 Lab ID : L2155380-06
 Client ID : SB006_2-4
 Sample Location : 4285 MIDDLE COUNTRY RD,
 CALVERTON, NY
 Sample Matrix : SOIL
 Analytical Method : 1,6010D
 Lab File ID : WG1560838.pdf
 Sample Amount : 1.278g
 Digestion Method : EPA 3050B

Lab Number : L2155380
 Project Number : HKV2101
 Date Collected : 10/11/21 12:55
 Date Received : 10/11/21
 Date Analyzed : 10/20/21 18:16
 Dilution Factor : 2
 Analyst : DL
 Instrument ID : TRACE5
 %Solids : 92
 Date Digested : 10/12/21

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
7429-90-5	Aluminum, Total	9090	8.50	2.29	
7440-36-0	Antimony, Total	ND	4.25	0.323	U
7440-38-2	Arsenic, Total	4.12	0.850	0.177	
7440-39-3	Barium, Total	17.2	0.850	0.148	
7440-41-7	Beryllium, Total	0.204	0.425	0.028	J
7440-43-9	Cadmium, Total	ND	0.850	0.083	U
7440-70-2	Calcium, Total	63.0	8.50	2.97	
7440-47-3	Chromium, Total	8.67	0.850	0.082	
7440-48-4	Cobalt, Total	3.01	1.70	0.141	
7440-50-8	Copper, Total	5.33	0.850	0.219	
7439-89-6	Iron, Total	8630	4.25	0.767	
7439-92-1	Lead, Total	4.28	4.25	0.228	
7439-95-4	Magnesium, Total	1030	8.50	1.31	
7439-96-5	Manganese, Total	62.7	0.850	0.135	
7440-02-0	Nickel, Total	4.77	2.12	0.206	
7440-09-7	Potassium, Total	172	212	12.2	J
7782-49-2	Selenium, Total	0.255	1.70	0.219	J
7440-22-4	Silver, Total	ND	0.850	0.240	U
7440-23-5	Sodium, Total	5.44	170	2.68	J
7440-28-0	Thallium, Total	ND	1.70	0.268	U
7440-62-2	Vanadium, Total	13.1	0.850	0.172	
7440-66-6	Zinc, Total	15.1	4.25	0.249	



Form 1 METALS

Client : P. W. Grosser
 Project Name : HK VENTURES-CALVERTON
 Lab ID : L2155380-07
 Client ID : SB007_5-7
 Sample Location : 4285 MIDDLE COUNTRY RD,
 CALVERTON, NY
 Sample Matrix : SOIL
 Analytical Method : 1,6010D
 Lab File ID : WG1560838.pdf
 Sample Amount : 1.305g
 Digestion Method : EPA 3050B

Lab Number : L2155380
 Project Number : HKV2101
 Date Collected : 10/11/21 13:20
 Date Received : 10/11/21
 Date Analyzed : 10/20/21 18:20
 Dilution Factor : 2
 Analyst : DL
 Instrument ID : TRACE5
 %Solids : 99
 Date Digested : 10/12/21

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
7429-90-5	Aluminum, Total	1380	7.72	2.08	
7440-36-0	Antimony, Total	ND	3.86	0.294	U
7440-38-2	Arsenic, Total	1.04	0.772	0.161	
7440-39-3	Barium, Total	3.03	0.772	0.134	
7440-41-7	Beryllium, Total	0.085	0.386	0.026	J
7440-43-9	Cadmium, Total	ND	0.772	0.076	U
7440-70-2	Calcium, Total	29.1	7.72	2.70	
7440-47-3	Chromium, Total	3.76	0.772	0.074	
7440-48-4	Cobalt, Total	0.942	1.54	0.128	J
7440-50-8	Copper, Total	2.22	0.772	0.199	
7439-89-6	Iron, Total	4130	3.86	0.698	
7439-92-1	Lead, Total	1.24	3.86	0.207	J
7439-95-4	Magnesium, Total	168	7.72	1.19	
7439-96-5	Manganese, Total	32.8	0.772	0.123	
7440-02-0	Nickel, Total	0.803	1.93	0.187	J
7440-09-7	Potassium, Total	51.5	193	11.1	J
7782-49-2	Selenium, Total	ND	1.54	0.199	U
7440-22-4	Silver, Total	ND	0.772	0.219	U
7440-23-5	Sodium, Total	ND	154	2.43	U
7440-28-0	Thallium, Total	ND	1.54	0.243	U
7440-62-2	Vanadium, Total	3.69	0.772	0.157	
7440-66-6	Zinc, Total	2.81	3.86	0.226	J



Form 1 METALS

Client : P. W. Grosser
 Project Name : HK VENTURES-CALVERTON
 Lab ID : L2155380-08
 Client ID : SB008_6-8
 Sample Location : 4285 MIDDLE COUNTRY RD,
 CALVERTON, NY
 Sample Matrix : SOIL
 Analytical Method : 1,6010D
 Lab File ID : WG1560838.pdf
 Sample Amount : 1.255g
 Digestion Method : EPA 3050B

Lab Number : L2155380
 Project Number : HKV2101
 Date Collected : 10/11/21 13:45
 Date Received : 10/11/21
 Date Analyzed : 10/20/21 22:22
 Dilution Factor : 10
 Analyst : DL
 Instrument ID : TRACE5
 %Solids : 84
 Date Digested : 10/12/21

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
7429-90-5	Aluminum, Total	14500	47.5	12.8	
7440-36-0	Antimony, Total	ND	23.7	1.80	U
7440-38-2	Arsenic, Total	2.04	4.75	0.988	J
7440-39-3	Barium, Total	35.8	4.75	0.826	
7440-41-7	Beryllium, Total	0.427	2.37	0.157	J
7440-43-9	Cadmium, Total	ND	4.75	0.465	U
7440-70-2	Calcium, Total	319	47.5	16.6	
7440-47-3	Chromium, Total	14.7	4.75	0.456	
7440-48-4	Cobalt, Total	4.42	9.50	0.788	J
7440-50-8	Copper, Total	7.69	4.75	1.22	
7439-89-6	Iron, Total	8780	23.7	4.29	
7439-92-1	Lead, Total	8.74	23.7	1.27	J
7439-95-4	Magnesium, Total	2520	47.5	7.31	
7439-96-5	Manganese, Total	95.8	4.75	0.755	
7440-02-0	Nickel, Total	7.69	11.9	1.15	J
7440-09-7	Potassium, Total	440	1190	68.4	J
7782-49-2	Selenium, Total	ND	9.50	1.22	U
7440-22-4	Silver, Total	ND	4.75	1.34	U
7440-23-5	Sodium, Total	ND	950	15.0	U
7440-28-0	Thallium, Total	ND	9.50	1.50	U
7440-62-2	Vanadium, Total	20.2	4.75	0.964	
7440-66-6	Zinc, Total	26.5	23.7	1.39	



Form 1 METALS

Client : P. W. Grosser
 Project Name : HK VENTURES-CALVERTON
 Lab ID : L2155380-09
 Client ID : SB009_2-4
 Sample Location : 4285 MIDDLE COUNTRY RD,
 CALVERTON, NY
 Sample Matrix : SOIL
 Analytical Method : 1,6010D
 Lab File ID : WG1560838.pdf
 Sample Amount : 1.304g
 Digestion Method : EPA 3050B

Lab Number : L2155380
 Project Number : HKV2101
 Date Collected : 10/11/21 14:05
 Date Received : 10/11/21
 Date Analyzed : 10/20/21 18:28
 Dilution Factor : 2
 Analyst : DL
 Instrument ID : TRACE5
 %Solids : 91
 Date Digested : 10/12/21

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
7429-90-5	Aluminum, Total	6070	8.46	2.28	
7440-36-0	Antimony, Total	ND	4.23	0.322	U
7440-38-2	Arsenic, Total	8.68	0.846	0.176	
7440-39-3	Barium, Total	127	0.846	0.147	
7440-41-7	Beryllium, Total	0.254	0.423	0.028	J
7440-43-9	Cadmium, Total	8.02	0.846	0.083	
7440-70-2	Calcium, Total	10300	8.46	2.96	
7440-47-3	Chromium, Total	13.5	0.846	0.081	
7440-48-4	Cobalt, Total	4.18	1.69	0.140	
7440-50-8	Copper, Total	46.1	0.846	0.218	
7439-89-6	Iron, Total	11200	4.23	0.764	
7439-92-1	Lead, Total	127	4.23	0.227	
7439-95-4	Magnesium, Total	2720	8.46	1.30	
7439-96-5	Manganese, Total	190	0.846	0.134	
7440-02-0	Nickel, Total	11.2	2.12	0.205	
7440-09-7	Potassium, Total	586	212	12.2	
7782-49-2	Selenium, Total	ND	1.69	0.218	U
7440-22-4	Silver, Total	ND	0.846	0.240	U
7440-23-5	Sodium, Total	53.3	169	2.67	J
7440-28-0	Thallium, Total	ND	1.69	0.267	U
7440-62-2	Vanadium, Total	18.3	0.846	0.172	
7440-66-6	Zinc, Total	130	4.23	0.248	

Form 1 METALS

Client : P. W. Grosser
 Project Name : HK VENTURES-CALVERTON
 Lab ID : L2155380-10
 Client ID : SB010_6-8
 Sample Location : 4285 MIDDLE COUNTRY RD,
 CALVERTON, NY
 Sample Matrix : SOIL
 Analytical Method : 1,6010D
 Lab File ID : WG1560838.pdf
 Sample Amount : 1.26g
 Digestion Method : EPA 3050B

Lab Number : L2155380
 Project Number : HKV2101
 Date Collected : 10/11/21 14:25
 Date Received : 10/11/21
 Date Analyzed : 10/20/21 19:50
 Dilution Factor : 2
 Analyst : DL
 Instrument ID : TRACE5
 %Solids : 91
 Date Digested : 10/12/21

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
7429-90-5	Aluminum, Total	7380	8.69	2.35	
7440-36-0	Antimony, Total	ND	4.35	0.330	U
7440-38-2	Arsenic, Total	30.8	0.869	0.181	
7440-39-3	Barium, Total	37.0	0.869	0.151	
7440-41-7	Beryllium, Total	0.200	0.435	0.029	J
7440-43-9	Cadmium, Total	ND	0.869	0.085	U
7440-70-2	Calcium, Total	5210	8.69	3.04	
7440-47-3	Chromium, Total	9.99	0.869	0.083	
7440-48-4	Cobalt, Total	2.07	1.74	0.144	
7440-50-8	Copper, Total	35.9	0.869	0.224	
7439-89-6	Iron, Total	8600	4.35	0.785	
7439-92-1	Lead, Total	36.6	4.35	0.233	
7439-95-4	Magnesium, Total	1550	8.69	1.34	
7439-96-5	Manganese, Total	79.8	0.869	0.138	
7440-02-0	Nickel, Total	5.37	2.17	0.210	
7440-09-7	Potassium, Total	364	217	12.5	
7782-49-2	Selenium, Total	0.400	1.74	0.224	J
7440-22-4	Silver, Total	ND	0.869	0.246	U
7440-23-5	Sodium, Total	106	174	2.74	J
7440-28-0	Thallium, Total	ND	1.74	0.274	U
7440-62-2	Vanadium, Total	15.0	0.869	0.176	
7440-66-6	Zinc, Total	37.7	4.35	0.255	



Form 1 METALS

Client : P. W. Grosser
Project Name : HK VENTURES-CALVERTON
Lab ID : WG1557675-1
Client ID : WG1557675-1BLANK
Sample Location :
Sample Matrix : SOIL
Analytical Method : 1,6010D
Lab File ID : WG1560838.pdf
Sample Amount : 1.25g
Digestion Method : EPA 3050B

Lab Number : L2155380
Project Number : HKV2101
Date Collected : NA
Date Received : NA
Date Analyzed : 10/20/21 17:18
Dilution Factor : 1
Analyst : SV
Instrument ID : TRACE5
%Solids : NA
Date Digested : 10/12/21

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
7429-90-5	Aluminum, Total	ND	4.00	1.08	U
7440-36-0	Antimony, Total	ND	2.00	0.152	U
7440-38-2	Arsenic, Total	0.088	0.400	0.083	J
7440-39-3	Barium, Total	ND	0.400	0.070	U
7440-41-7	Beryllium, Total	ND	0.200	0.013	U
7440-43-9	Cadmium, Total	ND	0.400	0.039	U
7440-70-2	Calcium, Total	ND	4.00	1.40	U
7440-47-3	Chromium, Total	0.068	0.400	0.038	J
7440-48-4	Cobalt, Total	ND	0.800	0.066	U
7440-50-8	Copper, Total	ND	0.400	0.103	U
7439-89-6	Iron, Total	1.41	2.00	0.361	J
7439-92-1	Lead, Total	ND	2.00	0.107	U
7439-95-4	Magnesium, Total	ND	4.00	0.616	U
7439-96-5	Manganese, Total	ND	0.400	0.064	U
7440-02-0	Nickel, Total	ND	1.00	0.097	U
7440-09-7	Potassium, Total	ND	100	5.76	U
7782-49-2	Selenium, Total	ND	0.800	0.103	U
7440-22-4	Silver, Total	ND	0.400	0.113	U
7440-23-5	Sodium, Total	2.06	80.0	1.26	J
7440-28-0	Thallium, Total	ND	0.800	0.126	U
7440-62-2	Vanadium, Total	ND	0.400	0.081	U
7440-66-6	Zinc, Total	ND	2.00	0.117	U



Form 1 METALS

Client : P. W. Grosser
 Project Name : HK VENTURES-CALVERTON
 Lab ID : WG1557675-4
 Client ID : WG1557675-4 DUP
 Sample Location :
 Sample Matrix : SOIL
 Analytical Method : 1,6010D
 Lab File ID : WG1560838.pdf
 Sample Amount : 1.33g
 Digestion Method : EPA 3050B

Lab Number : L2155380
 Project Number : HKV2101
 Date Collected : 10/06/21 11:45
 Date Received : 10/07/21
 Date Analyzed : 10/20/21 17:47
 Dilution Factor : 1
 Analyst : DL
 Instrument ID : TRACE5
 %Solids : 85
 Date Digested : 10/12/21

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
7440-38-2	Arsenic, Total	3.24	0.443	0.092	
7440-39-3	Barium, Total	80.9	0.443	0.077	
7440-43-9	Cadmium, Total	ND	0.443	0.043	U
7440-47-3	Chromium, Total	11.1	0.443	0.043	
7439-92-1	Lead, Total	120.	2.22	0.119	
7782-49-2	Selenium, Total	0.324	0.887	0.114	J
7440-22-4	Silver, Total	ND	0.443	0.125	U

Inorganic Data (Mercury Analysis)

Form 1 METALS

Client : P. W. Grosser
 Project Name : HK VENTURES-CALVERTON
 Lab ID : L2155380-01
 Client ID : SB001_0-2
 Sample Location : 4285 MIDDLE COUNTRY RD,
 CALVERTON, NY
 Sample Matrix : SOIL
 Analytical Method : 1,7471B
 Lab File ID : WG1559784.pdf
 Sample Amount : 0.395g
 Digestion Method : EPA 7471B

Lab Number : L2155380
 Project Number : HKV2101
 Date Collected : 10/11/21 11:10
 Date Received : 10/11/21
 Date Analyzed : 10/18/21 09:39
 Dilution Factor : 1
 Analyst : AC
 Instrument ID : NIC 2
 %Solids : 94
 Date Digested : 10/12/21

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Total	ND	0.067	0.044	U



Form 1 METALS

Client : P. W. Grosser
 Project Name : HK VENTURES-CALVERTON
 Lab ID : L2155380-02
 Client ID : SB002_3-5
 Sample Location : 4285 MIDDLE COUNTRY RD,
 CALVERTON, NY
 Sample Matrix : SOIL
 Analytical Method : 1,7471B
 Lab File ID : WG1559784.pdf
 Sample Amount : 0.375g
 Digestion Method : EPA 7471B

Lab Number : L2155380
 Project Number : HKV2101
 Date Collected : 10/11/21 11:30
 Date Received : 10/11/21
 Date Analyzed : 10/18/21 09:42
 Dilution Factor : 1
 Analyst : AC
 Instrument ID : NIC 2
 %Solids : 98
 Date Digested : 10/12/21

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Total	ND	0.068	0.044	U



Form 1 METALS

Client : P. W. Grosser
 Project Name : HK VENTURES-CALVERTON
 Lab ID : L2155380-03
 Client ID : SB003_2-4
 Sample Location : 4285 MIDDLE COUNTRY RD,
 CALVERTON, NY
 Sample Matrix : SOIL
 Analytical Method : 1,7471B
 Lab File ID : WG1559784.pdf
 Sample Amount : 0.362g
 Digestion Method : EPA 7471B

Lab Number : L2155380
 Project Number : HKV2101
 Date Collected : 10/11/21 11:50
 Date Received : 10/11/21
 Date Analyzed : 10/18/21 09:46
 Dilution Factor : 1
 Analyst : AC
 Instrument ID : NIC 2
 %Solids : 89
 Date Digested : 10/12/21

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Total	ND	0.078	0.051	U



Form 1 METALS

Client : P. W. Grosser
 Project Name : HK VENTURES-CALVERTON
 Lab ID : L2155380-04
 Client ID : SB004_4-6
 Sample Location : 4285 MIDDLE COUNTRY RD,
 CALVERTON, NY
 Sample Matrix : SOIL
 Analytical Method : 1,7471B
 Lab File ID : WG1559784.pdf
 Sample Amount : 0.384g
 Digestion Method : EPA 7471B

Lab Number : L2155380
 Project Number : HKV2101
 Date Collected : 10/11/21 12:15
 Date Received : 10/11/21
 Date Analyzed : 10/18/21 09:49
 Dilution Factor : 1
 Analyst : AC
 Instrument ID : NIC 2
 %Solids : 96
 Date Digested : 10/12/21

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Total	ND	0.068	0.044	U



Form 1 METALS

Client : P. W. Grosser
 Project Name : HK VENTURES-CALVERTON
 Lab ID : L2155380-05
 Client ID : SB005_1-3
 Sample Location : 4285 MIDDLE COUNTRY RD,
 CALVERTON, NY
 Sample Matrix : SOIL
 Analytical Method : 1,7471B
 Lab File ID : WG1559784.pdf
 Sample Amount : 0.367g
 Digestion Method : EPA 7471B

Lab Number : L2155380
 Project Number : HKV2101
 Date Collected : 10/11/21 12:35
 Date Received : 10/11/21
 Date Analyzed : 10/18/21 09:52
 Dilution Factor : 1
 Analyst : AC
 Instrument ID : NIC 2
 %Solids : 91
 Date Digested : 10/12/21

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Total	ND	0.075	0.049	U



Form 1 METALS

Client : P. W. Grosser
 Project Name : HK VENTURES-CALVERTON
 Lab ID : L2155380-06
 Client ID : SB006_2-4
 Sample Location : 4285 MIDDLE COUNTRY RD,
 CALVERTON, NY
 Sample Matrix : SOIL
 Analytical Method : 1,7471B
 Lab File ID : WG1559784.pdf
 Sample Amount : 0.367g
 Digestion Method : EPA 7471B

Lab Number : L2155380
 Project Number : HKV2101
 Date Collected : 10/11/21 12:55
 Date Received : 10/11/21
 Date Analyzed : 10/18/21 09:56
 Dilution Factor : 1
 Analyst : AC
 Instrument ID : NIC 2
 %Solids : 92
 Date Digested : 10/12/21

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Total	ND	0.074	0.048	U



Form 1 METALS

Client : P. W. Grosser
 Project Name : HK VENTURES-CALVERTON
 Lab ID : L2155380-07
 Client ID : SB007_5-7
 Sample Location : 4285 MIDDLE COUNTRY RD,
 CALVERTON, NY
 Sample Matrix : SOIL
 Analytical Method : 1,7471B
 Lab File ID : WG1559784.pdf
 Sample Amount : 0.399g
 Digestion Method : EPA 7471B

Lab Number : L2155380
 Project Number : HKV2101
 Date Collected : 10/11/21 13:20
 Date Received : 10/11/21
 Date Analyzed : 10/18/21 09:59
 Dilution Factor : 1
 Analyst : AC
 Instrument ID : NIC 2
 %Solids : 99
 Date Digested : 10/12/21

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Total	ND	0.063	0.041	U



Form 1 METALS

Client : P. W. Grosser
 Project Name : HK VENTURES-CALVERTON
 Lab ID : L2155380-08
 Client ID : SB008_6-8
 Sample Location : 4285 MIDDLE COUNTRY RD,
 CALVERTON, NY
 Sample Matrix : SOIL
 Analytical Method : 1,7471B
 Lab File ID : WG1559784.pdf
 Sample Amount : 0.39g
 Digestion Method : EPA 7471B

Lab Number : L2155380
 Project Number : HKV2101
 Date Collected : 10/11/21 13:45
 Date Received : 10/11/21
 Date Analyzed : 10/18/21 10:09
 Dilution Factor : 1
 Analyst : AC
 Instrument ID : NIC 2
 %Solids : 84
 Date Digested : 10/12/21

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Total	ND	0.076	0.050	U



Form 1 METALS

Client : P. W. Grosser
 Project Name : HK VENTURES-CALVERTON
 Lab ID : L2155380-09
 Client ID : SB009_2-4
 Sample Location : 4285 MIDDLE COUNTRY RD,
 CALVERTON, NY
 Sample Matrix : SOIL
 Analytical Method : 1,7471B
 Lab File ID : WG1559784.pdf
 Sample Amount : 0.383g
 Digestion Method : EPA 7471B

Lab Number : L2155380
 Project Number : HKV2101
 Date Collected : 10/11/21 14:05
 Date Received : 10/11/21
 Date Analyzed : 10/18/21 10:12
 Dilution Factor : 1
 Analyst : AC
 Instrument ID : NIC 2
 %Solids : 91
 Date Digested : 10/12/21

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Total	0.346	0.072	0.047	



Form 1 METALS

Client : P. W. Grosser
 Project Name : HK VENTURES-CALVERTON
 Lab ID : L2155380-10
 Client ID : SB010_6-8
 Sample Location : 4285 MIDDLE COUNTRY RD,
 CALVERTON, NY
 Sample Matrix : SOIL
 Analytical Method : 1,7471B
 Lab File ID : WG1559784.pdf
 Sample Amount : 0.388g
 Digestion Method : EPA 7471B

Lab Number : L2155380
 Project Number : HKV2101
 Date Collected : 10/11/21 14:25
 Date Received : 10/11/21
 Date Analyzed : 10/18/21 10:15
 Dilution Factor : 1
 Analyst : AC
 Instrument ID : NIC 2
 %Solids : 91
 Date Digested : 10/12/21

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Total	0.166	0.071	0.046	



Form 1 METALS

Client : P. W. Grosser
 Project Name : HK VENTURES-CALVERTON
 Lab ID : WG1557676-1
 Client ID : WG1557676-1BLANK
 Sample Location :
 Sample Matrix : SOIL
 Analytical Method : 1,7471B
 Lab File ID : WG1559784.pdf
 Sample Amount : 0.3g
 Digestion Method : EPA 7471B

Lab Number : L2155380
 Project Number : HKV2101
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 10/18/21 08:58
 Dilution Factor : 1
 Analyst : AC
 Instrument ID : NIC 2
 %Solids : NA
 Date Digested : 10/12/21

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Total	ND	0.083	0.054	U



Form 1 METALS

Client : P. W. Grosser
 Project Name : HK VENTURES-CALVERTON
 Lab ID : WG1557676-4
 Client ID : WG1557676-4 DUP
 Sample Location :
 Sample Matrix : SOIL
 Analytical Method : 1,7471B
 Lab File ID : WG1559784.pdf
 Sample Amount : 0.363g
 Digestion Method : EPA 7471B

Lab Number : L2155380
 Project Number : HKV2101
 Date Collected : 10/06/21 11:45
 Date Received : 10/07/21
 Date Analyzed : 10/18/21 09:11
 Dilution Factor : 1
 Analyst : AC
 Instrument ID : NIC 2
 %Solids : 85
 Date Digested : 10/12/21

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Total	0.170	0.081	0.053	



Wet Chemistry

Total Solids / Percent Moisture Analysis

Results

Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : HK VENTURES-CALVERTON
 Lab ID : L2155380-01
 Client ID : SB001_0-2
 Sample Location : 4285 MIDDLE COUNTRY RD,
 CALVERTON, NY
 Sample Matrix : SOIL
 Analytical Method : 121,2540G
 Lab File ID : WG1557406.pdf
 Sample Amount :
 Digestion Method :

Lab Number : L2155380
 Project Number : HKV2101
 Date Collected : 10/11/21 11:10
 Date Received : 10/11/21
 Date Analyzed : 10/12/21 09:16
 Dilution Factor : 1
 Analyst : RI
 Instrument ID : BALANCE#53
 %Solids : 94
 Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	94.2	0.100	NA	

Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : HK VENTURES-CALVERTON
 Lab ID : L2155380-02
 Client ID : SB002_3-5
 Sample Location : 4285 MIDDLE COUNTRY RD,
 CALVERTON, NY
 Sample Matrix : SOIL
 Analytical Method : 121,2540G
 Lab File ID : WG1557406.pdf
 Sample Amount :
 Digestion Method :

Lab Number : L2155380
 Project Number : HKV2101
 Date Collected : 10/11/21 11:30
 Date Received : 10/11/21
 Date Analyzed : 10/12/21 09:16
 Dilution Factor : 1
 Analyst : RI
 Instrument ID : BALANCE#53
 %Solids : 98
 Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	97.8	0.100	NA	

Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : HK VENTURES-CALVERTON
 Lab ID : L2155380-03
 Client ID : SB003_2-4
 Sample Location : 4285 MIDDLE COUNTRY RD,
 CALVERTON, NY
 Sample Matrix : SOIL
 Analytical Method : 121,2540G
 Lab File ID : WG1557406.pdf
 Sample Amount :
 Digestion Method :

Lab Number : L2155380
 Project Number : HKV2101
 Date Collected : 10/11/21 11:50
 Date Received : 10/11/21
 Date Analyzed : 10/12/21 09:16
 Dilution Factor : 1
 Analyst : RI
 Instrument ID : BALANCE#53
 %Solids : 89
 Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	88.9	0.100	NA	

Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : HK VENTURES-CALVERTON
 Lab ID : L2155380-04
 Client ID : SB004_4-6
 Sample Location : 4285 MIDDLE COUNTRY RD,
 CALVERTON, NY
 Sample Matrix : SOIL
 Analytical Method : 121,2540G
 Lab File ID : WG1557406.pdf
 Sample Amount :
 Digestion Method :

Lab Number : L2155380
 Project Number : HKV2101
 Date Collected : 10/11/21 12:15
 Date Received : 10/11/21
 Date Analyzed : 10/12/21 09:16
 Dilution Factor : 1
 Analyst : RI
 Instrument ID : BALANCE#53
 %Solids : 96
 Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	95.9	0.100	NA	



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : HK VENTURES-CALVERTON
 Lab ID : L2155380-05
 Client ID : SB005_1-3
 Sample Location : 4285 MIDDLE COUNTRY RD,
 CALVERTON, NY
 Sample Matrix : SOIL
 Analytical Method : 121,2540G
 Lab File ID : WG1557406.pdf
 Sample Amount :
 Digestion Method :

Lab Number : L2155380
 Project Number : HKV2101
 Date Collected : 10/11/21 12:35
 Date Received : 10/11/21
 Date Analyzed : 10/12/21 09:16
 Dilution Factor : 1
 Analyst : RI
 Instrument ID : BALANCE#53
 %Solids : 91
 Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	91.2	0.100	NA	



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : HK VENTURES-CALVERTON
 Lab ID : L2155380-06
 Client ID : SB006_2-4
 Sample Location : 4285 MIDDLE COUNTRY RD,
 CALVERTON, NY
 Sample Matrix : SOIL
 Analytical Method : 121,2540G
 Lab File ID : WG1557406.pdf
 Sample Amount :
 Digestion Method :

Lab Number : L2155380
 Project Number : HKV2101
 Date Collected : 10/11/21 12:55
 Date Received : 10/11/21
 Date Analyzed : 10/12/21 09:16
 Dilution Factor : 1
 Analyst : RI
 Instrument ID : BALANCE#53
 %Solids : 92
 Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	92.1	0.100	NA	

Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : HK VENTURES-CALVERTON
 Lab ID : L2155380-07
 Client ID : SB007_5-7
 Sample Location : 4285 MIDDLE COUNTRY RD,
 CALVERTON, NY
 Sample Matrix : SOIL
 Analytical Method : 121,2540G
 Lab File ID : WG1557406.pdf
 Sample Amount :
 Digestion Method :

Lab Number : L2155380
 Project Number : HKV2101
 Date Collected : 10/11/21 13:20
 Date Received : 10/11/21
 Date Analyzed : 10/12/21 09:16
 Dilution Factor : 1
 Analyst : RI
 Instrument ID : BALANCE#53
 %Solids : 99
 Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	99.2	0.100	NA	



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : HK VENTURES-CALVERTON
 Lab ID : L2155380-08
 Client ID : SB008_6-8
 Sample Location : 4285 MIDDLE COUNTRY RD,
 CALVERTON, NY
 Sample Matrix : SOIL
 Analytical Method : 121,2540G
 Lab File ID : WG1557406.pdf
 Sample Amount :
 Digestion Method :

Lab Number : L2155380
 Project Number : HKV2101
 Date Collected : 10/11/21 13:45
 Date Received : 10/11/21
 Date Analyzed : 10/12/21 09:16
 Dilution Factor : 1
 Analyst : RI
 Instrument ID : BALANCE#53
 %Solids : 84
 Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	83.9	0.100	NA	

Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : HK VENTURES-CALVERTON
 Lab ID : L2155380-09
 Client ID : SB009_2-4
 Sample Location : 4285 MIDDLE COUNTRY RD,
 CALVERTON, NY
 Sample Matrix : SOIL
 Analytical Method : 121,2540G
 Lab File ID : WG1557406.pdf
 Sample Amount :
 Digestion Method :

Lab Number : L2155380
 Project Number : HKV2101
 Date Collected : 10/11/21 14:05
 Date Received : 10/11/21
 Date Analyzed : 10/12/21 09:16
 Dilution Factor : 1
 Analyst : RI
 Instrument ID : BALANCE#53
 %Solids : 91
 Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	90.6	0.100	NA	



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : HK VENTURES-CALVERTON
 Lab ID : L2155380-10
 Client ID : SB010_6-8
 Sample Location : 4285 MIDDLE COUNTRY RD,
 CALVERTON, NY
 Sample Matrix : SOIL
 Analytical Method : 121,2540G
 Lab File ID : WG1557406.pdf
 Sample Amount :
 Digestion Method :

Lab Number : L2155380
 Project Number : HKV2101
 Date Collected : 10/11/21 14:25
 Date Received : 10/11/21
 Date Analyzed : 10/12/21 09:16
 Dilution Factor : 1
 Analyst : RI
 Instrument ID : BALANCE#53
 %Solids : 91
 Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	91.3	0.100	NA	



Form 1

WETCHEM

Client : P. W. Grosser
 Project Name : HK VENTURES-CALVERTON
 Lab ID : WG1557406-1
 Client ID : WG1557406-1 DUP
 Sample Location :
 Sample Matrix : SOIL
 Analytical Method : 121,2540G
 Lab File ID : WG1557406.pdf
 Sample Amount :
 Digestion Method :

Lab Number : L2155380
 Project Number : HKV2101
 Date Collected : 10/09/21 16:20
 Date Received : 10/10/21
 Date Analyzed : 10/12/21 09:16
 Dilution Factor : 1
 Analyst : RI
 Instrument ID : BALANCE#53
 %Solids : 86
 Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	86.9	0.100	NA	





ANALYTICAL REPORT

Lab Number:	L2155998
Client:	P. W. Grosser 630 Johnson Avenue Suite 7 Bohemia, NY 11716
ATTN:	Thomas Melia
Phone:	(631) 589-6353
Project Name:	HKV2101
Project Number:	HKV2101
Report Date:	10/20/21

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Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com



Project Name: HKV2101

Project Number: HKV2101

Lab Number: L2155998

Report Date: 10/20/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2155998-01	GRID A_0-2	SOIL	Not Specified	10/13/21 09:35	10/13/21
L2155998-02	GRID A_18-24	SOIL	Not Specified	10/13/21 09:35	10/13/21
L2155998-03	GRID B_0-2	SOIL	Not Specified	10/13/21 10:45	10/13/21
L2155998-04	GRID B_18-24	SOIL	Not Specified	10/13/21 10:45	10/13/21
L2155998-05	GRID C_0-2	SOIL	Not Specified	10/13/21 13:00	10/13/21
L2155998-06	GRID C_18-24	SOIL	Not Specified	10/13/21 13:00	10/13/21
L2155998-07	GRID D_0-2	SOIL	Not Specified	10/13/21 14:30	10/13/21
L2155998-08	GRID D_18-24	SOIL	Not Specified	10/13/21 14:30	10/13/21
L2155998-09	GRID P_0-2	SOIL	Not Specified	10/13/21 08:26	10/13/21
L2155998-10	GRID P_18-24	SOIL	Not Specified	10/13/21 08:26	10/13/21
L2155998-11	GRID Q_0-2	SOIL	Not Specified	10/13/21 10:20	10/13/21
L2155998-12	GRID Q_18-24	SOIL	Not Specified	10/13/21 10:20	10/13/21
L2155998-13	GRID R_0-2	SOIL	Not Specified	10/13/21 11:30	10/13/21
L2155998-14	GRID R_18-24	SOIL	Not Specified	10/13/21 11:30	10/13/21
L2155998-15	GRID S_0-2	SOIL	Not Specified	10/13/21 13:40	10/13/21
L2155998-16	GRID S_18-24	SOIL	Not Specified	10/13/21 13:40	10/13/21
L2155998-17	GRID T_0-2	SOIL	Not Specified	10/13/21 15:00	10/13/21
L2155998-18	GRID T_18-24	SOIL	Not Specified	10/13/21 15:00	10/13/21

Project Name: HKV2101
Project Number: HKV2101

Lab Number: L2155998
Report Date: 10/20/21

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name: HKV2101
Project Number: HKV2101

Lab Number: L2155998
Report Date: 10/20/21

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Sample Receipt

L2155998-04: A sample container identified as "GRID B_18-24" was listed on the Chain of Custody, but not received. This was verified by the client.

L2155998-06: A sample container identified as "GRID C_18-24" was listed on the Chain of Custody, but not received. This was verified by the client.

L2155998-08: A sample container identified as "GRID D_18-24" was listed on the Chain of Custody, but not received. This was verified by the client.

L2155998-10: A sample container identified as "GRID P_18-24" was listed on the Chain of Custody, but not received. This was verified by the client.

L2155998-12: A sample container identified as "GRID Q_18-24" was listed on the Chain of Custody, but not received. This was verified by the client.

L2155998-16: A sample container identified as "GRID S_18-24" was listed on the Chain of Custody, but not received. This was verified by the client.

L2155998-18: A sample container identified as "GRID T_18-24" was listed on the Chain of Custody, but not received. This was verified by the client.

Total Metals

L2155998-01, -03, -05, -07, -09, -11, -13, -15 and -17: The sample has elevated detection limits for all elements, with the exception of mercury and sodium, due to the dilution required by matrix interferences encountered during analysis.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:



Sebastian Corbin

Title: Technical Director/Representative

Date: 10/20/21

ORGANICS

VOLATILES

Project Name: HKV2101

Lab Number: L2155998

Project Number: HKV2101

Report Date: 10/20/21

SAMPLE RESULTS

Lab ID: L2155998-01

Date Collected: 10/13/21 09:35

Client ID: GRID A_0-2

Date Received: 10/13/21

Sample Location: Not Specified

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 1,8260C

Analytical Date: 10/16/21 15:29

Analyst: NLK

Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	6.8	3.1	1
1,1-Dichloroethane	ND		ug/kg	1.4	0.20	1
Chloroform	ND		ug/kg	2.0	0.19	1
Carbon tetrachloride	ND		ug/kg	1.4	0.31	1
1,2-Dichloropropane	ND		ug/kg	1.4	0.17	1
Dibromochloromethane	ND		ug/kg	1.4	0.19	1
1,1,2-Trichloroethane	ND		ug/kg	1.4	0.36	1
Tetrachloroethene	ND		ug/kg	0.68	0.26	1
Chlorobenzene	ND		ug/kg	0.68	0.17	1
Trichlorofluoromethane	ND		ug/kg	5.4	0.94	1
1,2-Dichloroethane	ND		ug/kg	1.4	0.35	1
1,1,1-Trichloroethane	ND		ug/kg	0.68	0.23	1
Bromodichloromethane	ND		ug/kg	0.68	0.15	1
trans-1,3-Dichloropropene	ND		ug/kg	1.4	0.37	1
cis-1,3-Dichloropropene	ND		ug/kg	0.68	0.21	1
1,3-Dichloropropene, Total	ND		ug/kg	0.68	0.21	1
1,1-Dichloropropene	ND		ug/kg	0.68	0.22	1
Bromoform	ND		ug/kg	5.4	0.33	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.68	0.22	1
Benzene	ND		ug/kg	0.68	0.22	1
Toluene	ND		ug/kg	1.4	0.74	1
Ethylbenzene	ND		ug/kg	1.4	0.19	1
Chloromethane	ND		ug/kg	5.4	1.3	1
Bromomethane	ND		ug/kg	2.7	0.79	1
Vinyl chloride	ND		ug/kg	1.4	0.45	1
Chloroethane	ND		ug/kg	2.7	0.61	1
1,1-Dichloroethene	ND		ug/kg	1.4	0.32	1
trans-1,2-Dichloroethene	ND		ug/kg	2.0	0.18	1

Project Name: HKV2101

Lab Number: L2155998

Project Number: HKV2101

Report Date: 10/20/21

SAMPLE RESULTS

Lab ID: L2155998-01

Date Collected: 10/13/21 09:35

Client ID: GRID A_0-2

Date Received: 10/13/21

Sample Location: Not Specified

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.68	0.18	1
1,2-Dichlorobenzene	ND		ug/kg	2.7	0.20	1
1,3-Dichlorobenzene	ND		ug/kg	2.7	0.20	1
1,4-Dichlorobenzene	ND		ug/kg	2.7	0.23	1
Methyl tert butyl ether	ND		ug/kg	2.7	0.27	1
p/m-Xylene	ND		ug/kg	2.7	0.76	1
o-Xylene	ND		ug/kg	1.4	0.39	1
Xylenes, Total	ND		ug/kg	1.4	0.39	1
cis-1,2-Dichloroethene	ND		ug/kg	1.4	0.24	1
1,2-Dichloroethene, Total	ND		ug/kg	1.4	0.18	1
Dibromomethane	ND		ug/kg	2.7	0.32	1
Styrene	ND		ug/kg	1.4	0.26	1
Dichlorodifluoromethane	ND		ug/kg	14	1.2	1
Acetone	ND		ug/kg	14	6.5	1
Carbon disulfide	ND		ug/kg	14	6.2	1
2-Butanone	ND		ug/kg	14	3.0	1
Vinyl acetate	ND		ug/kg	14	2.9	1
4-Methyl-2-pentanone	ND		ug/kg	14	1.7	1
1,2,3-Trichloropropane	ND		ug/kg	2.7	0.17	1
2-Hexanone	ND		ug/kg	14	1.6	1
Bromochloromethane	ND		ug/kg	2.7	0.28	1
2,2-Dichloropropane	ND		ug/kg	2.7	0.27	1
1,2-Dibromoethane	ND		ug/kg	1.4	0.38	1
1,3-Dichloropropane	ND		ug/kg	2.7	0.23	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.68	0.18	1
Bromobenzene	ND		ug/kg	2.7	0.20	1
n-Butylbenzene	ND		ug/kg	1.4	0.23	1
sec-Butylbenzene	ND		ug/kg	1.4	0.20	1
tert-Butylbenzene	ND		ug/kg	2.7	0.16	1
o-Chlorotoluene	ND		ug/kg	2.7	0.26	1
p-Chlorotoluene	ND		ug/kg	2.7	0.15	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.1	1.4	1
Hexachlorobutadiene	ND		ug/kg	5.4	0.23	1
Isopropylbenzene	ND		ug/kg	1.4	0.15	1
p-Isopropyltoluene	ND		ug/kg	1.4	0.15	1
Naphthalene	ND		ug/kg	5.4	0.88	1
Acrylonitrile	ND		ug/kg	5.4	1.6	1

Project Name: HKV2101

Lab Number: L2155998

Project Number: HKV2101

Report Date: 10/20/21

SAMPLE RESULTS

Lab ID: L2155998-01

Date Collected: 10/13/21 09:35

Client ID: GRID A_0-2

Date Received: 10/13/21

Sample Location: Not Specified

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.4	0.23	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.7	0.44	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.7	0.37	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.7	0.26	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.7	0.45	1
1,4-Dioxane	ND		ug/kg	110	48.	1
p-Diethylbenzene	ND		ug/kg	2.7	0.24	1
p-Ethyltoluene	ND		ug/kg	2.7	0.52	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.7	0.26	1
Ethyl ether	ND		ug/kg	2.7	0.46	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.8	1.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	101		70-130

Project Name: HKV2101

Lab Number: L2155998

Project Number: HKV2101

Report Date: 10/20/21

SAMPLE RESULTS

Lab ID: L2155998-13

Date Collected: 10/13/21 11:30

Client ID: GRID R_0-2

Date Received: 10/13/21

Sample Location: Not Specified

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 1,8260C

Analytical Date: 10/16/21 15:56

Analyst: NLK

Percent Solids: 94%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	6.0	2.8	1
1,1-Dichloroethane	ND		ug/kg	1.2	0.17	1
Chloroform	ND		ug/kg	1.8	0.17	1
Carbon tetrachloride	ND		ug/kg	1.2	0.28	1
1,2-Dichloropropane	ND		ug/kg	1.2	0.15	1
Dibromochloromethane	ND		ug/kg	1.2	0.17	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	0.32	1
Tetrachloroethene	ND		ug/kg	0.60	0.24	1
Chlorobenzene	ND		ug/kg	0.60	0.15	1
Trichlorofluoromethane	ND		ug/kg	4.8	0.84	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.31	1
1,1,1-Trichloroethane	ND		ug/kg	0.60	0.20	1
Bromodichloromethane	ND		ug/kg	0.60	0.13	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.33	1
cis-1,3-Dichloropropene	ND		ug/kg	0.60	0.19	1
1,3-Dichloropropene, Total	ND		ug/kg	0.60	0.19	1
1,1-Dichloropropene	ND		ug/kg	0.60	0.19	1
Bromoform	ND		ug/kg	4.8	0.30	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.60	0.20	1
Benzene	ND		ug/kg	0.60	0.20	1
Toluene	ND		ug/kg	1.2	0.65	1
Ethylbenzene	ND		ug/kg	1.2	0.17	1
Chloromethane	ND		ug/kg	4.8	1.1	1
Bromomethane	ND		ug/kg	2.4	0.70	1
Vinyl chloride	ND		ug/kg	1.2	0.40	1
Chloroethane	ND		ug/kg	2.4	0.54	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.29	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.16	1

Project Name: HKV2101

Lab Number: L2155998

Project Number: HKV2101

Report Date: 10/20/21

SAMPLE RESULTS

Lab ID: L2155998-13

Date Collected: 10/13/21 11:30

Client ID: GRID R_0-2

Date Received: 10/13/21

Sample Location: Not Specified

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.60	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	2.4	0.17	1
1,3-Dichlorobenzene	ND		ug/kg	2.4	0.18	1
1,4-Dichlorobenzene	ND		ug/kg	2.4	0.21	1
Methyl tert butyl ether	ND		ug/kg	2.4	0.24	1
p/m-Xylene	ND		ug/kg	2.4	0.67	1
o-Xylene	ND		ug/kg	1.2	0.35	1
Xylenes, Total	ND		ug/kg	1.2	0.35	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.21	1
1,2-Dichloroethene, Total	ND		ug/kg	1.2	0.16	1
Dibromomethane	ND		ug/kg	2.4	0.29	1
Styrene	ND		ug/kg	1.2	0.24	1
Dichlorodifluoromethane	ND		ug/kg	12	1.1	1
Acetone	ND		ug/kg	12	5.8	1
Carbon disulfide	ND		ug/kg	12	5.5	1
2-Butanone	ND		ug/kg	12	2.7	1
Vinyl acetate	ND		ug/kg	12	2.6	1
4-Methyl-2-pentanone	ND		ug/kg	12	1.5	1
1,2,3-Trichloropropane	ND		ug/kg	2.4	0.15	1
2-Hexanone	ND		ug/kg	12	1.4	1
Bromochloromethane	ND		ug/kg	2.4	0.25	1
2,2-Dichloropropane	ND		ug/kg	2.4	0.24	1
1,2-Dibromoethane	ND		ug/kg	1.2	0.34	1
1,3-Dichloropropane	ND		ug/kg	2.4	0.20	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.60	0.16	1
Bromobenzene	ND		ug/kg	2.4	0.17	1
n-Butylbenzene	ND		ug/kg	1.2	0.20	1
sec-Butylbenzene	ND		ug/kg	1.2	0.18	1
tert-Butylbenzene	ND		ug/kg	2.4	0.14	1
o-Chlorotoluene	ND		ug/kg	2.4	0.23	1
p-Chlorotoluene	ND		ug/kg	2.4	0.13	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.6	1.2	1
Hexachlorobutadiene	ND		ug/kg	4.8	0.20	1
Isopropylbenzene	ND		ug/kg	1.2	0.13	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.13	1
Naphthalene	ND		ug/kg	4.8	0.78	1
Acrylonitrile	ND		ug/kg	4.8	1.4	1

Project Name: HKV2101

Lab Number: L2155998

Project Number: HKV2101

Report Date: 10/20/21

SAMPLE RESULTS

Lab ID: L2155998-13

Date Collected: 10/13/21 11:30

Client ID: GRID R_0-2

Date Received: 10/13/21

Sample Location: Not Specified

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.2	0.21	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.4	0.39	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.4	0.33	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.4	0.23	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.4	0.40	1
1,4-Dioxane	ND		ug/kg	96	42.	1
p-Diethylbenzene	ND		ug/kg	2.4	0.21	1
p-Ethyltoluene	ND		ug/kg	2.4	0.46	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.4	0.23	1
Ethyl ether	ND		ug/kg	2.4	0.41	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.0	1.7	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	101		70-130

Project Name: HKV2101

Lab Number: L2155998

Project Number: HKV2101

Report Date: 10/20/21

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 10/16/21 12:48
 Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01,13 Batch: WG1559720-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

Project Name: HKV2101

Lab Number: L2155998

Project Number: HKV2101

Report Date: 10/20/21

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 10/16/21 12:48
 Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01,13 Batch: WG1559720-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19

Project Name: HKV2101

Lab Number: L2155998

Project Number: HKV2101

Report Date: 10/20/21

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 10/16/21 12:48
 Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01,13 Batch: WG1559720-5					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
1,4-Dioxane	ND		ug/kg	80	35.
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	99		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: HKV2101

Project Number: HKV2101

Lab Number: L2155998

Report Date: 10/20/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01,13 Batch: WG1559720-3 WG1559720-4								
Methylene chloride	92		90		70-130	2		30
1,1-Dichloroethane	98		96		70-130	2		30
Chloroform	96		94		70-130	2		30
Carbon tetrachloride	104		100		70-130	4		30
1,2-Dichloropropane	95		95		70-130	0		30
Dibromochloromethane	87		88		70-130	1		30
1,1,2-Trichloroethane	92		94		70-130	2		30
Tetrachloroethene	104		101		70-130	3		30
Chlorobenzene	97		96		70-130	1		30
Trichlorofluoromethane	101		98		70-139	3		30
1,2-Dichloroethane	90		90		70-130	0		30
1,1,1-Trichloroethane	103		101		70-130	2		30
Bromodichloromethane	97		98		70-130	1		30
trans-1,3-Dichloropropene	88		89		70-130	1		30
cis-1,3-Dichloropropene	91		91		70-130	0		30
1,1-Dichloropropene	106		103		70-130	3		30
Bromoform	83		86		70-130	4		30
1,1,2,2-Tetrachloroethane	86		91		70-130	6		30
Benzene	100		98		70-130	2		30
Toluene	100		96		70-130	4		30
Ethylbenzene	101		99		70-130	2		30
Chloromethane	91		88		52-130	3		30
Bromomethane	86		79		57-147	8		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: HKV2101

Project Number: HKV2101

Lab Number: L2155998

Report Date: 10/20/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01,13 Batch: WG1559720-3 WG1559720-4								
Vinyl chloride	95		90		67-130	5		30
Chloroethane	94		89		50-151	5		30
1,1-Dichloroethene	104		101		65-135	3		30
trans-1,2-Dichloroethene	101		99		70-130	2		30
Trichloroethene	102		100		70-130	2		30
1,2-Dichlorobenzene	94		95		70-130	1		30
1,3-Dichlorobenzene	97		96		70-130	1		30
1,4-Dichlorobenzene	94		93		70-130	1		30
Methyl tert butyl ether	93		96		66-130	3		30
p/m-Xylene	104		102		70-130	2		30
o-Xylene	104		102		70-130	2		30
cis-1,2-Dichloroethene	98		96		70-130	2		30
Dibromomethane	89		91		70-130	2		30
Styrene	105		105		70-130	0		30
Dichlorodifluoromethane	99		95		30-146	4		30
Acetone	88		90		54-140	2		30
Carbon disulfide	96		94		59-130	2		30
2-Butanone	78		82		70-130	5		30
Vinyl acetate	81		81		70-130	0		30
4-Methyl-2-pentanone	75		80		70-130	6		30
1,2,3-Trichloropropane	87		89		68-130	2		30
2-Hexanone	71		75		70-130	5		30
Bromochloromethane	95		93		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: HKV2101

Project Number: HKV2101

Lab Number: L2155998

Report Date: 10/20/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01,13 Batch: WG1559720-3 WG1559720-4								
2,2-Dichloropropane	104		100		70-130	4		30
1,2-Dibromoethane	85		88		70-130	3		30
1,3-Dichloropropane	92		94		69-130	2		30
1,1,1,2-Tetrachloroethane	101		102		70-130	1		30
Bromobenzene	94		96		70-130	2		30
n-Butylbenzene	102		100		70-130	2		30
sec-Butylbenzene	103		100		70-130	3		30
tert-Butylbenzene	104		101		70-130	3		30
o-Chlorotoluene	98		98		70-130	0		30
p-Chlorotoluene	98		97		70-130	1		30
1,2-Dibromo-3-chloropropane	73		78		68-130	7		30
Hexachlorobutadiene	102		100		67-130	2		30
Isopropylbenzene	106		102		70-130	4		30
p-Isopropyltoluene	106		103		70-130	3		30
Naphthalene	91		95		70-130	4		30
Acrylonitrile	74		80		70-130	8		30
n-Propylbenzene	101		101		70-130	0		30
1,2,3-Trichlorobenzene	95		98		70-130	3		30
1,2,4-Trichlorobenzene	99		98		70-130	1		30
1,3,5-Trimethylbenzene	103		102		70-130	1		30
1,2,4-Trimethylbenzene	104		102		70-130	2		30
1,4-Dioxane	76		86		65-136	12		30
p-Diethylbenzene	105		102		70-130	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: HKV2101

Lab Number: L2155998

Project Number: HKV2101

Report Date: 10/20/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01,13 Batch: WG1559720-3 WG1559720-4								
p-Ethyltoluene	102		101		70-130	1		30
1,2,4,5-Tetramethylbenzene	101		100		70-130	1		30
Ethyl ether	85		83		67-130	2		30
trans-1,4-Dichloro-2-butene	82		85		70-130	4		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	91		93		70-130
Toluene-d8	101		100		70-130
4-Bromofluorobenzene	100		102		70-130
Dibromofluoromethane	96		97		70-130

SEMIVOLATILES

Project Name: HKV2101

Lab Number: L2155998

Project Number: HKV2101

Report Date: 10/20/21

SAMPLE RESULTS

Lab ID: L2155998-01

Date Collected: 10/13/21 09:35

Client ID: GRID A_0-2

Date Received: 10/13/21

Sample Location: Not Specified

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Extraction Method: EPA 3546

Analytical Method: 1,8270D

Extraction Date: 10/16/21 01:37

Analytical Date: 10/18/21 13:37

Analyst: IM

Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	21.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	23.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	27.	1
2-Chloronaphthalene	ND		ug/kg	200	20.	1
1,2-Dichlorobenzene	ND		ug/kg	200	36.	1
1,3-Dichlorobenzene	ND		ug/kg	200	34.	1
1,4-Dichlorobenzene	ND		ug/kg	200	35.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	53.	1
2,4-Dinitrotoluene	ND		ug/kg	200	40.	1
2,6-Dinitrotoluene	ND		ug/kg	200	34.	1
Fluoranthene	100	J	ug/kg	120	23.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	21.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	30.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	34.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	20.	1
Hexachlorobutadiene	ND		ug/kg	200	29.	1
Hexachlorocyclopentadiene	ND		ug/kg	570	180	1
Hexachloroethane	ND		ug/kg	160	32.	1
Isophorone	ND		ug/kg	180	26.	1
Naphthalene	ND		ug/kg	200	24.	1
Nitrobenzene	ND		ug/kg	180	30.	1
NDPA/DPA	ND		ug/kg	160	23.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	31.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	200	69.	1
Butyl benzyl phthalate	ND		ug/kg	200	50.	1
Di-n-butylphthalate	ND		ug/kg	200	38.	1
Di-n-octylphthalate	ND		ug/kg	200	68.	1

Project Name: HKV2101

Lab Number: L2155998

Project Number: HKV2101

Report Date: 10/20/21

SAMPLE RESULTS

Lab ID: L2155998-01

Date Collected: 10/13/21 09:35

Client ID: GRID A_0-2

Date Received: 10/13/21

Sample Location: Not Specified

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	200	18.	1
Dimethyl phthalate	ND		ug/kg	200	42.	1
Benzo(a)anthracene	50	J	ug/kg	120	22.	1
Benzo(a)pyrene	66	J	ug/kg	160	49.	1
Benzo(b)fluoranthene	110	J	ug/kg	120	34.	1
Benzo(k)fluoranthene	ND		ug/kg	120	32.	1
Chrysene	64	J	ug/kg	120	21.	1
Acenaphthylene	ND		ug/kg	160	31.	1
Anthracene	ND		ug/kg	120	39.	1
Benzo(ghi)perylene	61	J	ug/kg	160	24.	1
Fluorene	ND		ug/kg	200	19.	1
Phenanthrene	33	J	ug/kg	120	24.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	23.	1
Indeno(1,2,3-cd)pyrene	100	J	ug/kg	160	28.	1
Pyrene	90	J	ug/kg	120	20.	1
Biphenyl	ND		ug/kg	460	46.	1
4-Chloroaniline	ND		ug/kg	200	36.	1
2-Nitroaniline	ND		ug/kg	200	38.	1
3-Nitroaniline	ND		ug/kg	200	38.	1
4-Nitroaniline	ND		ug/kg	200	83.	1
Dibenzofuran	ND		ug/kg	200	19.	1
2-Methylnaphthalene	ND		ug/kg	240	24.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	21.	1
Acetophenone	ND		ug/kg	200	25.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	38.	1
p-Chloro-m-cresol	ND		ug/kg	200	30.	1
2-Chlorophenol	ND		ug/kg	200	24.	1
2,4-Dichlorophenol	ND		ug/kg	180	32.	1
2,4-Dimethylphenol	ND		ug/kg	200	66.	1
2-Nitrophenol	ND		ug/kg	430	75.	1
4-Nitrophenol	ND		ug/kg	280	82.	1
2,4-Dinitrophenol	ND		ug/kg	960	93.	1
4,6-Dinitro-o-cresol	ND		ug/kg	520	96.	1
Pentachlorophenol	ND		ug/kg	160	44.	1
Phenol	ND		ug/kg	200	30.	1
2-Methylphenol	ND		ug/kg	200	31.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	290	31.	1

Project Name: HKV2101

Lab Number: L2155998

Project Number: HKV2101

Report Date: 10/20/21

SAMPLE RESULTS

Lab ID: L2155998-01

Date Collected: 10/13/21 09:35

Client ID: GRID A_0-2

Date Received: 10/13/21

Sample Location: Not Specified

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	200	38.	1
Benzoic Acid	320	J	ug/kg	650	200	1
Benzyl Alcohol	ND		ug/kg	200	61.	1
Carbazole	ND		ug/kg	200	19.	1
1,4-Dioxane	ND		ug/kg	30	9.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	79		25-120
Phenol-d6	87		10-120
Nitrobenzene-d5	92		23-120
2-Fluorobiphenyl	87		30-120
2,4,6-Tribromophenol	109		10-136
4-Terphenyl-d14	87		18-120

Project Name: HKV2101

Lab Number: L2155998

Project Number: HKV2101

Report Date: 10/20/21

SAMPLE RESULTS

Lab ID: L2155998-13

Date Collected: 10/13/21 11:30

Client ID: GRID R_0-2

Date Received: 10/13/21

Sample Location: Not Specified

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Extraction Method: EPA 3546

Analytical Method: 1,8270D

Extraction Date: 10/16/21 01:37

Analytical Date: 10/18/21 14:00

Analyst: IM

Percent Solids: 94%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	170	20.	1
Hexachlorobenzene	ND		ug/kg	100	19.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	23.	1
2-Chloronaphthalene	ND		ug/kg	170	17.	1
1,2-Dichlorobenzene	ND		ug/kg	170	31.	1
1,3-Dichlorobenzene	ND		ug/kg	170	30.	1
1,4-Dichlorobenzene	ND		ug/kg	170	30.	1
3,3'-Dichlorobenzidine	ND		ug/kg	170	46.	1
2,4-Dinitrotoluene	ND		ug/kg	170	35.	1
2,6-Dinitrotoluene	ND		ug/kg	170	30.	1
Fluoranthene	ND		ug/kg	100	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	170	18.	1
4-Bromophenyl phenyl ether	ND		ug/kg	170	26.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	30.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	17.	1
Hexachlorobutadiene	ND		ug/kg	170	25.	1
Hexachlorocyclopentadiene	ND		ug/kg	500	160	1
Hexachloroethane	ND		ug/kg	140	28.	1
Isophorone	ND		ug/kg	160	22.	1
Naphthalene	ND		ug/kg	170	21.	1
Nitrobenzene	ND		ug/kg	160	26.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	170	27.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	170	60.	1
Butyl benzyl phthalate	ND		ug/kg	170	44.	1
Di-n-butylphthalate	ND		ug/kg	170	33.	1
Di-n-octylphthalate	ND		ug/kg	170	59.	1

Project Name: HKV2101

Lab Number: L2155998

Project Number: HKV2101

Report Date: 10/20/21

SAMPLE RESULTS

Lab ID: L2155998-13

Date Collected: 10/13/21 11:30

Client ID: GRID R_0-2

Date Received: 10/13/21

Sample Location: Not Specified

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	170	16.	1
Dimethyl phthalate	ND		ug/kg	170	36.	1
Benzo(a)anthracene	ND		ug/kg	100	20.	1
Benzo(a)pyrene	ND		ug/kg	140	42.	1
Benzo(b)fluoranthene	ND		ug/kg	100	29.	1
Benzo(k)fluoranthene	ND		ug/kg	100	28.	1
Chrysene	ND		ug/kg	100	18.	1
Acenaphthylene	ND		ug/kg	140	27.	1
Anthracene	ND		ug/kg	100	34.	1
Benzo(ghi)perylene	ND		ug/kg	140	20.	1
Fluorene	ND		ug/kg	170	17.	1
Phenanthrene	ND		ug/kg	100	21.	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	20.	1
Indeno(1,2,3-cd)pyrene	48	J	ug/kg	140	24.	1
Pyrene	18	J	ug/kg	100	17.	1
Biphenyl	ND		ug/kg	400	40.	1
4-Chloroaniline	ND		ug/kg	170	32.	1
2-Nitroaniline	ND		ug/kg	170	33.	1
3-Nitroaniline	ND		ug/kg	170	33.	1
4-Nitroaniline	ND		ug/kg	170	72.	1
Dibenzofuran	ND		ug/kg	170	16.	1
2-Methylnaphthalene	ND		ug/kg	210	21.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	18.	1
Acetophenone	ND		ug/kg	170	21.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	33.	1
p-Chloro-m-cresol	ND		ug/kg	170	26.	1
2-Chlorophenol	ND		ug/kg	170	20.	1
2,4-Dichlorophenol	ND		ug/kg	160	28.	1
2,4-Dimethylphenol	ND		ug/kg	170	57.	1
2-Nitrophenol	ND		ug/kg	370	65.	1
4-Nitrophenol	ND		ug/kg	240	71.	1
2,4-Dinitrophenol	ND		ug/kg	830	81.	1
4,6-Dinitro-o-cresol	ND		ug/kg	450	83.	1
Pentachlorophenol	ND		ug/kg	140	38.	1
Phenol	ND		ug/kg	170	26.	1
2-Methylphenol	ND		ug/kg	170	27.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	250	27.	1

Project Name: HKV2101

Lab Number: L2155998

Project Number: HKV2101

Report Date: 10/20/21

SAMPLE RESULTS

Lab ID: L2155998-13

Date Collected: 10/13/21 11:30

Client ID: GRID R_0-2

Date Received: 10/13/21

Sample Location: Not Specified

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	170	33.	1
Benzoic Acid	260	J	ug/kg	560	180	1
Benzyl Alcohol	ND		ug/kg	170	53.	1
Carbazole	ND		ug/kg	170	17.	1
1,4-Dioxane	ND		ug/kg	26	8.0	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	82		25-120
Phenol-d6	89		10-120
Nitrobenzene-d5	87		23-120
2-Fluorobiphenyl	84		30-120
2,4,6-Tribromophenol	109		10-136
4-Terphenyl-d14	79		18-120

Project Name: HKV2101

Project Number: HKV2101

Lab Number: L2155998

Report Date: 10/20/21

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 10/16/21 16:24
 Analyst: IM

Extraction Method: EPA 3546
 Extraction Date: 10/16/21 01:37

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01,13 Batch: WG1559404-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	19.
Hexachlorobenzene	ND		ug/kg	99	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	30.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	29.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	33.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	99	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	18.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	27.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	57.
Butyl benzyl phthalate	ND		ug/kg	160	42.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	56.
Diethyl phthalate	ND		ug/kg	160	15.

Project Name: HKV2101

Project Number: HKV2101

Lab Number: L2155998

Report Date: 10/20/21

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 10/16/21 16:24
 Analyst: IM

Extraction Method: EPA 3546
 Extraction Date: 10/16/21 01:37

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01,13 Batch: WG1559404-1					
Dimethyl phthalate	ND		ug/kg	160	35.
Benzo(a)anthracene	ND		ug/kg	99	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	99	28.
Benzo(k)fluoranthene	ND		ug/kg	99	26.
Chrysene	ND		ug/kg	99	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	99	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	99	20.
Dibenzo(a,h)anthracene	ND		ug/kg	99	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	99	16.
Biphenyl	ND		ug/kg	380	38.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	32.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	68.
Dibenzofuran	ND		ug/kg	160	16.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	99	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	20.
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	360	62.

Project Name: HKV2101

Project Number: HKV2101

Lab Number: L2155998

Report Date: 10/20/21

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 10/16/21 16:24
 Analyst: IM

Extraction Method: EPA 3546
 Extraction Date: 10/16/21 01:37

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01,13 Batch: WG1559404-1					
4-Nitrophenol	ND		ug/kg	230	67.
2,4-Dinitrophenol	ND		ug/kg	790	77.
4,6-Dinitro-o-cresol	ND		ug/kg	430	79.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	26.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	32.
Benzoic Acid	ND		ug/kg	530	170
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	16.
1,4-Dioxane	ND		ug/kg	25	7.6

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	91		25-120
Phenol-d6	94		10-120
Nitrobenzene-d5	95		23-120
2-Fluorobiphenyl	79		30-120
2,4,6-Tribromophenol	105		10-136
4-Terphenyl-d14	93		18-120

Lab Control Sample Analysis **Batch Quality Control**

Project Name: HKV2101

Project Number: HKV2101

Lab Number: L2155998

Report Date: 10/20/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,13 Batch: WG1559404-2 WG1559404-3								
Acenaphthene	81		78		31-137	4		50
1,2,4-Trichlorobenzene	76		76		38-107	0		50
Hexachlorobenzene	80		78		40-140	3		50
Bis(2-chloroethyl)ether	77		77		40-140	0		50
2-Chloronaphthalene	76		73		40-140	4		50
1,2-Dichlorobenzene	76		75		40-140	1		50
1,3-Dichlorobenzene	73		72		40-140	1		50
1,4-Dichlorobenzene	74		72		28-104	3		50
3,3'-Dichlorobenzidine	81		76		40-140	6		50
2,4-Dinitrotoluene	81		81		40-132	0		50
2,6-Dinitrotoluene	83		81		40-140	2		50
Fluoranthene	80		80		40-140	0		50
4-Chlorophenyl phenyl ether	76		75		40-140	1		50
4-Bromophenyl phenyl ether	78		75		40-140	4		50
Bis(2-chloroisopropyl)ether	58		59		40-140	2		50
Bis(2-chloroethoxy)methane	74		72		40-117	3		50
Hexachlorobutadiene	71		70		40-140	1		50
Hexachlorocyclopentadiene	40		41		40-140	2		50
Hexachloroethane	80		79		40-140	1		50
Isophorone	71		70		40-140	1		50
Naphthalene	74		72		40-140	3		50
Nitrobenzene	81		80		40-140	1		50
NDPA/DPA	80		77		36-157	4		50

Lab Control Sample Analysis **Batch Quality Control**

Project Name: HKV2101

Project Number: HKV2101

Lab Number: L2155998

Report Date: 10/20/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,13 Batch: WG1559404-2 WG1559404-3								
n-Nitrosodi-n-propylamine	74		72		32-121	3		50
Bis(2-ethylhexyl)phthalate	101		99		40-140	2		50
Butyl benzyl phthalate	96		95		40-140	1		50
Di-n-butylphthalate	86		86		40-140	0		50
Di-n-octylphthalate	100		96		40-140	4		50
Diethyl phthalate	80		79		40-140	1		50
Dimethyl phthalate	71		69		40-140	3		50
Benzo(a)anthracene	86		82		40-140	5		50
Benzo(a)pyrene	72		69		40-140	4		50
Benzo(b)fluoranthene	84		76		40-140	10		50
Benzo(k)fluoranthene	78		77		40-140	1		50
Chrysene	81		78		40-140	4		50
Acenaphthylene	71		68		40-140	4		50
Anthracene	81		77		40-140	5		50
Benzo(ghi)perylene	71		68		40-140	4		50
Fluorene	81		78		40-140	4		50
Phenanthrene	81		76		40-140	6		50
Dibenzo(a,h)anthracene	74		70		40-140	6		50
Indeno(1,2,3-cd)pyrene	72		70		40-140	3		50
Pyrene	82		79		35-142	4		50
Biphenyl	74		70		37-127	6		50
4-Chloroaniline	74		72		40-140	3		50
2-Nitroaniline	93		91		47-134	2		50

Lab Control Sample Analysis **Batch Quality Control**

Project Name: HKV2101

Project Number: HKV2101

Lab Number: L2155998

Report Date: 10/20/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,13 Batch: WG1559404-2 WG1559404-3								
3-Nitroaniline	86		83		26-129	4		50
4-Nitroaniline	89		88		41-125	1		50
Dibenzofuran	79		77		40-140	3		50
2-Methylnaphthalene	71		68		40-140	4		50
1,2,4,5-Tetrachlorobenzene	76		74		40-117	3		50
Acetophenone	74		73		14-144	1		50
2,4,6-Trichlorophenol	83		80		30-130	4		50
p-Chloro-m-cresol	79		76		26-103	4		50
2-Chlorophenol	88		87		25-102	1		50
2,4-Dichlorophenol	86		82		30-130	5		50
2,4-Dimethylphenol	80		76		30-130	5		50
2-Nitrophenol	111		109		30-130	2		50
4-Nitrophenol	91		92		11-114	1		50
2,4-Dinitrophenol	30		30		4-130	0		50
4,6-Dinitro-o-cresol	35		36		10-130	3		50
Pentachlorophenol	81		79		17-109	3		50
Phenol	77		75		26-90	3		50
2-Methylphenol	84		82		30-130.	2		50
3-Methylphenol/4-Methylphenol	89		86		30-130	3		50
2,4,5-Trichlorophenol	89		85		30-130	5		50
Benzoic Acid	33		29		10-110	13		50
Benzyl Alcohol	78		78		40-140	0		50
Carbazole	82		79		54-128	4		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: HKV2101

Project Number: HKV2101

Lab Number: L2155998

Report Date: 10/20/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,13 Batch: WG1559404-2 WG1559404-3								
1,4-Dioxane	54		50		40-140	8		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	86		87		25-120
Phenol-d6	88		86		10-120
Nitrobenzene-d5	88		86		23-120
2-Fluorobiphenyl	75		72		30-120
2,4,6-Tribromophenol	92		91		10-136
4-Terphenyl-d14	85		85		18-120

PCBS

Project Name: HKV2101

Lab Number: L2155998

Project Number: HKV2101

Report Date: 10/20/21

SAMPLE RESULTS

Lab ID: L2155998-01

Date Collected: 10/13/21 09:35

Client ID: GRID A_0-2

Date Received: 10/13/21

Sample Location: Not Specified

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Extraction Method: EPA 3546

Analytical Method: 1,8082A

Extraction Date: 10/16/21 05:12

Analytical Date: 10/17/21 21:06

Cleanup Method: EPA 3665A

Analyst: JAW

Cleanup Date: 10/16/21

Percent Solids: 83%

Cleanup Method: EPA 3660B

Cleanup Date: 10/16/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	39.4	3.50	1	A
Aroclor 1221	ND		ug/kg	39.4	3.95	1	A
Aroclor 1232	ND		ug/kg	39.4	8.36	1	A
Aroclor 1242	ND		ug/kg	39.4	5.32	1	A
Aroclor 1248	ND		ug/kg	39.4	5.91	1	A
Aroclor 1254	ND		ug/kg	39.4	4.31	1	A
Aroclor 1260	ND		ug/kg	39.4	7.29	1	A
Aroclor 1262	ND		ug/kg	39.4	5.01	1	A
Aroclor 1268	ND		ug/kg	39.4	4.08	1	A
PCBs, Total	ND		ug/kg	39.4	3.50	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		30-150	A
Decachlorobiphenyl	69		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	71		30-150	B

Project Name: HKV2101

Lab Number: L2155998

Project Number: HKV2101

Report Date: 10/20/21

SAMPLE RESULTS

Lab ID: L2155998-13

Date Collected: 10/13/21 11:30

Client ID: GRID R_0-2

Date Received: 10/13/21

Sample Location: Not Specified

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Extraction Method: EPA 3546

Analytical Method: 1,8082A

Extraction Date: 10/16/21 05:12

Analytical Date: 10/17/21 21:14

Cleanup Method: EPA 3665A

Analyst: JAW

Cleanup Date: 10/16/21

Percent Solids: 94%

Cleanup Method: EPA 3660B

Cleanup Date: 10/16/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	33.7	3.00	1	A
Aroclor 1221	ND		ug/kg	33.7	3.38	1	A
Aroclor 1232	ND		ug/kg	33.7	7.15	1	A
Aroclor 1242	ND		ug/kg	33.7	4.55	1	A
Aroclor 1248	ND		ug/kg	33.7	5.06	1	A
Aroclor 1254	ND		ug/kg	33.7	3.69	1	A
Aroclor 1260	ND		ug/kg	33.7	6.23	1	A
Aroclor 1262	ND		ug/kg	33.7	4.28	1	A
Aroclor 1268	ND		ug/kg	33.7	3.50	1	A
PCBs, Total	ND		ug/kg	33.7	3.00	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	79		30-150	A
2,4,5,6-Tetrachloro-m-xylene	82		30-150	B
Decachlorobiphenyl	77		30-150	B

Project Name: HKV2101

Project Number: HKV2101

Lab Number: L2155998

Report Date: 10/20/21

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8082A
 Analytical Date: 10/17/21 20:24
 Analyst: CW

Extraction Method: EPA 3546
 Extraction Date: 10/15/21 15:17
 Cleanup Method: EPA 3665A
 Cleanup Date: 10/15/21
 Cleanup Method: EPA 3660B
 Cleanup Date: 10/16/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01,13 Batch: WG1559291-1						
Aroclor 1016	ND		ug/kg	32.5	2.89	A
Aroclor 1221	ND		ug/kg	32.5	3.26	A
Aroclor 1232	ND		ug/kg	32.5	6.90	A
Aroclor 1242	ND		ug/kg	32.5	4.38	A
Aroclor 1248	ND		ug/kg	32.5	4.88	A
Aroclor 1254	ND		ug/kg	32.5	3.56	A
Aroclor 1260	ND		ug/kg	32.5	6.01	A
Aroclor 1262	ND		ug/kg	32.5	4.13	A
Aroclor 1268	ND		ug/kg	32.5	3.37	A
PCBs, Total	ND		ug/kg	32.5	2.89	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	83		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	78		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: HKV2101

Project Number: HKV2101

Lab Number: L2155998

Report Date: 10/20/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01,13 Batch: WG1559291-2 WG1559291-3									
Aroclor 1016	82		81		40-140	1		50	A
Aroclor 1260	87		83		40-140	5		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		73		30-150	A
Decachlorobiphenyl	86		82		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		70		30-150	B
Decachlorobiphenyl	78		77		30-150	B

PESTICIDES

Project Name: HKV2101

Lab Number: L2155998

Project Number: HKV2101

Report Date: 10/20/21

SAMPLE RESULTS

Lab ID: L2155998-01

Date Collected: 10/13/21 09:35

Client ID: GRID A_0-2

Date Received: 10/13/21

Sample Location: Not Specified

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Extraction Method: EPA 3546

Analytical Method: 1,8081B

Extraction Date: 10/16/21 04:25

Analytical Date: 10/18/21 12:41

Cleanup Method: EPA 3620B

Analyst: SDC

Cleanup Date: 10/17/21

Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.85	0.363	1	A
Lindane	ND		ug/kg	0.773	0.345	1	A
Alpha-BHC	ND		ug/kg	0.773	0.219	1	A
Beta-BHC	ND		ug/kg	1.85	0.703	1	A
Heptachlor	ND		ug/kg	0.927	0.416	1	A
Aldrin	ND		ug/kg	1.85	0.653	1	A
Heptachlor epoxide	ND		ug/kg	3.48	1.04	1	A
Endrin	4.19		ug/kg	0.773	0.317	1	A
Endrin aldehyde	ND		ug/kg	2.32	0.812	1	A
Endrin ketone	ND		ug/kg	1.85	0.478	1	A
Dieldrin	55.9		ug/kg	1.16	0.580	1	A
4,4'-DDE	496	E	ug/kg	1.85	0.429	1	A
4,4'-DDD	55.5		ug/kg	1.85	0.662	1	A
4,4'-DDT	1120	E	ug/kg	3.48	1.49	1	A
Endosulfan I	ND		ug/kg	1.85	0.438	1	A
Endosulfan II	7.29		ug/kg	1.85	0.620	1	A
Endosulfan sulfate	31.9		ug/kg	0.773	0.368	1	A
Methoxychlor	ND		ug/kg	3.48	1.08	1	A
Toxaphene	ND		ug/kg	34.8	9.74	1	A
cis-Chlordane	ND		ug/kg	2.32	0.646	1	A
trans-Chlordane	ND		ug/kg	2.32	0.612	1	A
Chlordane	ND		ug/kg	15.4	6.14	1	A

Project Name: HKV2101

Lab Number: L2155998

Project Number: HKV2101

Report Date: 10/20/21

SAMPLE RESULTS

Lab ID: L2155998-01

Date Collected: 10/13/21 09:35

Client ID: GRID A_0-2

Date Received: 10/13/21

Sample Location: Not Specified

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		30-150	A
Decachlorobiphenyl	98		30-150	A
2,4,5,6-Tetrachloro-m-xylene	85		30-150	B
Decachlorobiphenyl	69		30-150	B

Project Name: HKV2101

Lab Number: L2155998

Project Number: HKV2101

Report Date: 10/20/21

SAMPLE RESULTS

Lab ID: L2155998-01

Date Collected: 10/13/21 09:35

Client ID: GRID A_0-2

Date Received: 10/13/21

Sample Location: Not Specified

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Extraction Method: EPA 8151A

Analytical Method: 1,8151A

Extraction Date: 10/14/21 10:18

Analytical Date: 10/18/21 11:21

Analyst: SDC

Percent Solids: 83%

Methylation Date: 10/15/21 07:11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column

Chlorinated Herbicides by GC - Westborough Lab

2,4-D	ND		ug/kg	198	12.4	1	A
2,4,5-T	ND		ug/kg	198	6.12	1	A
2,4,5-TP (Silvex)	ND		ug/kg	198	5.25	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	76		30-150	A
DCAA	77		30-150	B

Project Name: HKV2101

Lab Number: L2155998

Project Number: HKV2101

Report Date: 10/20/21

SAMPLE RESULTS

Lab ID: L2155998-01 D

Date Collected: 10/13/21 09:35

Client ID: GRID A_0-2

Date Received: 10/13/21

Sample Location: Not Specified

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Extraction Method: EPA 3546

Analytical Method: 1,8081B

Extraction Date: 10/16/21 04:25

Analytical Date: 10/19/21 15:08

Cleanup Method: EPA 3620B

Analyst: AR

Cleanup Date: 10/17/21

Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
4,4'-DDE	562		ug/kg	37.1	8.58	20	A
4,4'-DDT	1570		ug/kg	69.6	29.8	20	B

Project Name: HKV2101

Lab Number: L2155998

Project Number: HKV2101

Report Date: 10/20/21

SAMPLE RESULTS

Lab ID: L2155998-03

Date Collected: 10/13/21 10:45

Client ID: GRID B_0-2

Date Received: 10/13/21

Sample Location: Not Specified

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Extraction Method: EPA 3546

Analytical Method: 1,8081B

Extraction Date: 10/14/21 22:19

Analytical Date: 10/16/21 12:51

Cleanup Method: EPA 3620B

Analyst: AR

Cleanup Date: 10/16/21

Percent Solids: 73%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	2.10	0.410	1	A
Lindane	ND		ug/kg	0.873	0.390	1	A
Alpha-BHC	ND		ug/kg	0.873	0.248	1	A
Beta-BHC	ND		ug/kg	2.10	0.795	1	A
Heptachlor	ND		ug/kg	1.05	0.470	1	A
Aldrin	ND		ug/kg	2.10	0.738	1	A
Heptachlor epoxide	ND		ug/kg	3.93	1.18	1	A
Endrin	1.53		ug/kg	0.873	0.358	1	A
Endrin aldehyde	ND		ug/kg	2.62	0.917	1	A
Endrin ketone	7.07	IP	ug/kg	2.10	0.540	1	A
Dieldrin	46.1		ug/kg	1.31	0.655	1	B
4,4'-DDE	408	E	ug/kg	2.10	0.485	1	B
4,4'-DDD	89.7		ug/kg	2.10	0.748	1	B
4,4'-DDT	350	E	ug/kg	3.93	1.68	1	B
Endosulfan I	ND		ug/kg	2.10	0.495	1	A
Endosulfan II	ND		ug/kg	2.10	0.700	1	A
Endosulfan sulfate	6.53		ug/kg	0.873	0.416	1	B
Methoxychlor	ND		ug/kg	3.93	1.22	1	A
Toxaphene	ND		ug/kg	39.3	11.0	1	A
cis-Chlordane	ND		ug/kg	2.62	0.730	1	A
trans-Chlordane	ND		ug/kg	2.62	0.692	1	A
Chlordane	ND		ug/kg	17.5	6.94	1	A

Project Name: HKV2101

Lab Number: L2155998

Project Number: HKV2101

Report Date: 10/20/21

SAMPLE RESULTS

Lab ID: L2155998-03

Date Collected: 10/13/21 10:45

Client ID: GRID B_0-2

Date Received: 10/13/21

Sample Location: Not Specified

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		30-150	A
Decachlorobiphenyl	99		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	92		30-150	B

Project Name: HKV2101

Lab Number: L2155998

Project Number: HKV2101

Report Date: 10/20/21

SAMPLE RESULTS

Lab ID: L2155998-03 D

Date Collected: 10/13/21 10:45

Client ID: GRID B_0-2

Date Received: 10/13/21

Sample Location: Not Specified

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Extraction Method: EPA 3546

Analytical Method: 1,8081B

Extraction Date: 10/14/21 22:19

Analytical Date: 10/19/21 15:51

Cleanup Method: EPA 3620B

Analyst: AR

Cleanup Date: 10/16/21

Percent Solids: 73%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
4,4'-DDE	401		ug/kg	10.5	2.42	5	A
4,4'-DDT	343		ug/kg	19.6	8.43	5	B

Project Name: HKV2101

Lab Number: L2155998

Project Number: HKV2101

Report Date: 10/20/21

SAMPLE RESULTS

Lab ID: L2155998-05

Date Collected: 10/13/21 13:00

Client ID: GRID C_0-2

Date Received: 10/13/21

Sample Location: Not Specified

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Extraction Method: EPA 3546

Analytical Method: 1,8081B

Extraction Date: 10/14/21 22:19

Analytical Date: 10/16/21 12:40

Cleanup Method: EPA 3620B

Analyst: AR

Cleanup Date: 10/16/21

Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.86	0.364	1	A
Lindane	ND		ug/kg	0.775	0.346	1	A
Alpha-BHC	ND		ug/kg	0.775	0.220	1	A
Beta-BHC	ND		ug/kg	1.86	0.705	1	A
Heptachlor	ND		ug/kg	0.930	0.417	1	A
Aldrin	ND		ug/kg	1.86	0.655	1	A
Heptachlor epoxide	ND		ug/kg	3.49	1.05	1	A
Endrin	0.896		ug/kg	0.775	0.318	1	B
Endrin aldehyde	ND		ug/kg	2.32	0.814	1	A
Endrin ketone	10.4	IP	ug/kg	1.86	0.479	1	A
Dieldrin	16.7		ug/kg	1.16	0.581	1	A
4,4'-DDE	438	E	ug/kg	1.86	0.430	1	A
4,4'-DDD	5.46		ug/kg	1.86	0.663	1	B
4,4'-DDT	682	E	ug/kg	3.49	1.50	1	B
Endosulfan I	ND		ug/kg	1.86	0.439	1	A
Endosulfan II	3.18		ug/kg	1.86	0.621	1	A
Endosulfan sulfate	14.2		ug/kg	0.775	0.369	1	B
Methoxychlor	ND		ug/kg	3.49	1.08	1	A
Toxaphene	ND		ug/kg	34.9	9.76	1	A
cis-Chlordane	ND		ug/kg	2.32	0.648	1	A
trans-Chlordane	ND		ug/kg	2.32	0.614	1	A
Chlordane	ND		ug/kg	15.5	6.16	1	A

Project Name: HKV2101

Lab Number: L2155998

Project Number: HKV2101

Report Date: 10/20/21

SAMPLE RESULTS

Lab ID: L2155998-05

Date Collected: 10/13/21 13:00

Client ID: GRID C_0-2

Date Received: 10/13/21

Sample Location: Not Specified

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		30-150	A
Decachlorobiphenyl	114		30-150	A
2,4,5,6-Tetrachloro-m-xylene	80		30-150	B
Decachlorobiphenyl	100		30-150	B

Project Name: HKV2101

Lab Number: L2155998

Project Number: HKV2101

Report Date: 10/20/21

SAMPLE RESULTS

Lab ID: L2155998-05 D

Date Collected: 10/13/21 13:00

Client ID: GRID C_0-2

Date Received: 10/13/21

Sample Location: Not Specified

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Extraction Method: EPA 3546

Analytical Method: 1,8081B

Extraction Date: 10/14/21 22:19

Analytical Date: 10/19/21 15:40

Cleanup Method: EPA 3620B

Analyst: AR

Cleanup Date: 10/16/21

Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
4,4'-DDE	449		ug/kg	18.6	4.30	10	A
4,4'-DDT	681		ug/kg	34.9	15.0	10	B

Project Name: HKV2101

Lab Number: L2155998

Project Number: HKV2101

Report Date: 10/20/21

SAMPLE RESULTS

Lab ID: L2155998-07

Date Collected: 10/13/21 14:30

Client ID: GRID D_0-2

Date Received: 10/13/21

Sample Location: Not Specified

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Extraction Method: EPA 3546

Analytical Method: 1,8081B

Extraction Date: 10/14/21 22:19

Analytical Date: 10/16/21 12:29

Cleanup Method: EPA 3620B

Analyst: AR

Cleanup Date: 10/16/21

Percent Solids: 79%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.95	0.382	1	A
Lindane	ND		ug/kg	0.812	0.363	1	A
Alpha-BHC	ND		ug/kg	0.812	0.231	1	A
Beta-BHC	ND		ug/kg	1.95	0.739	1	A
Heptachlor	ND		ug/kg	0.975	0.437	1	A
Aldrin	ND		ug/kg	1.95	0.686	1	A
Heptachlor epoxide	ND		ug/kg	3.66	1.10	1	A
Endrin	ND		ug/kg	0.812	0.333	1	A
Endrin aldehyde	ND		ug/kg	2.44	0.853	1	A
Endrin ketone	0.777	JIP	ug/kg	1.95	0.502	1	A
Dieldrin	2.72		ug/kg	1.22	0.609	1	B
4,4'-DDE	33.3		ug/kg	1.95	0.451	1	B
4,4'-DDD	ND		ug/kg	1.95	0.696	1	B
4,4'-DDT	32.8		ug/kg	3.66	1.57	1	B
Endosulfan I	ND		ug/kg	1.95	0.461	1	A
Endosulfan II	ND		ug/kg	1.95	0.652	1	A
Endosulfan sulfate	1.97		ug/kg	0.812	0.387	1	B
Methoxychlor	ND		ug/kg	3.66	1.14	1	A
Toxaphene	ND		ug/kg	36.6	10.2	1	A
cis-Chlordane	ND		ug/kg	2.44	0.679	1	A
trans-Chlordane	ND		ug/kg	2.44	0.644	1	A
Chlordane	ND		ug/kg	16.2	6.46	1	A

Project Name: HKV2101

Lab Number: L2155998

Project Number: HKV2101

Report Date: 10/20/21

SAMPLE RESULTS

Lab ID: L2155998-07

Date Collected: 10/13/21 14:30

Client ID: GRID D_0-2

Date Received: 10/13/21

Sample Location: Not Specified

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	58		30-150	A
Decachlorobiphenyl	81		30-150	A
2,4,5,6-Tetrachloro-m-xylene	60		30-150	B
Decachlorobiphenyl	76		30-150	B

Project Name: HKV2101

Lab Number: L2155998

Project Number: HKV2101

Report Date: 10/20/21

SAMPLE RESULTS

Lab ID: L2155998-09

Date Collected: 10/13/21 08:26

Client ID: GRID P_0-2

Date Received: 10/13/21

Sample Location: Not Specified

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Extraction Method: EPA 3546

Analytical Method: 1,8081B

Extraction Date: 10/14/21 22:19

Analytical Date: 10/16/21 12:19

Cleanup Method: EPA 3620B

Analyst: AR

Cleanup Date: 10/16/21

Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.78	0.348	1	A
Lindane	ND		ug/kg	0.741	0.331	1	A
Alpha-BHC	ND		ug/kg	0.741	0.210	1	A
Beta-BHC	ND		ug/kg	1.78	0.674	1	A
Heptachlor	ND		ug/kg	0.889	0.399	1	A
Aldrin	ND		ug/kg	1.78	0.626	1	A
Heptachlor epoxide	ND		ug/kg	3.34	1.00	1	A
Endrin	1.74		ug/kg	0.741	0.304	1	B
Endrin aldehyde	ND		ug/kg	2.22	0.778	1	A
Endrin ketone	5.96	IP	ug/kg	1.78	0.458	1	A
Dieldrin	9.58		ug/kg	1.11	0.556	1	B
4,4'-DDE	153	E	ug/kg	1.78	0.411	1	A
4,4'-DDD	2.95		ug/kg	1.78	0.634	1	B
4,4'-DDT	256	E	ug/kg	3.34	1.43	1	B
Endosulfan I	ND		ug/kg	1.78	0.420	1	A
Endosulfan II	2.83		ug/kg	1.78	0.594	1	A
Endosulfan sulfate	6.69		ug/kg	0.741	0.353	1	B
Methoxychlor	ND		ug/kg	3.34	1.04	1	A
Toxaphene	ND		ug/kg	33.4	9.34	1	A
cis-Chlordane	ND		ug/kg	2.22	0.620	1	A
trans-Chlordane	ND		ug/kg	2.22	0.587	1	A
Chlordane	ND		ug/kg	14.8	5.89	1	A

Project Name: HKV2101

Lab Number: L2155998

Project Number: HKV2101

Report Date: 10/20/21

SAMPLE RESULTS

Lab ID: L2155998-09

Date Collected: 10/13/21 08:26

Client ID: GRID P_0-2

Date Received: 10/13/21

Sample Location: Not Specified

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	98		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	89		30-150	B

Project Name: HKV2101**Lab Number:** L2155998**Project Number:** HKV2101**Report Date:** 10/20/21**SAMPLE RESULTS**

Lab ID: L2155998-09 D

Date Collected: 10/13/21 08:26

Client ID: GRID P_0-2

Date Received: 10/13/21

Sample Location: Not Specified

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Extraction Method: EPA 3546

Analytical Method: 1,8081B

Extraction Date: 10/14/21 22:19

Analytical Date: 10/19/21 15:29

Cleanup Method: EPA 3620B

Analyst: AR

Cleanup Date: 10/16/21

Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
4,4'-DDE	150		ug/kg	8.89	2.06	5	A
4,4'-DDT	256		ug/kg	16.7	7.15	5	B

Project Name: HKV2101

Lab Number: L2155998

Project Number: HKV2101

Report Date: 10/20/21

SAMPLE RESULTS

Lab ID: L2155998-11

Date Collected: 10/13/21 10:20

Client ID: GRID Q_0-2

Date Received: 10/13/21

Sample Location: Not Specified

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Extraction Method: EPA 3546

Analytical Method: 1,8081B

Extraction Date: 10/14/21 22:19

Analytical Date: 10/16/21 12:08

Cleanup Method: EPA 3620B

Analyst: AR

Cleanup Date: 10/16/21

Percent Solids: 78%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.99	0.390	1	A
Lindane	ND		ug/kg	0.830	0.371	1	A
Alpha-BHC	ND		ug/kg	0.830	0.236	1	A
Beta-BHC	ND		ug/kg	1.99	0.756	1	A
Heptachlor	ND		ug/kg	0.996	0.447	1	A
Aldrin	ND		ug/kg	1.99	0.702	1	A
Heptachlor epoxide	ND		ug/kg	3.74	1.12	1	A
Endrin	2.24		ug/kg	0.830	0.340	1	B
Endrin aldehyde	ND		ug/kg	2.49	0.872	1	A
Endrin ketone	6.02	IP	ug/kg	1.99	0.513	1	A
Dieldrin	26.1		ug/kg	1.24	0.623	1	B
4,4'-DDE	272	E	ug/kg	1.99	0.461	1	B
4,4'-DDD	10.4	P	ug/kg	1.99	0.711	1	B
4,4'-DDT	789	E	ug/kg	3.74	1.60	1	B
Endosulfan I	ND		ug/kg	1.99	0.471	1	A
Endosulfan II	1.96	J	ug/kg	1.99	0.666	1	A
Endosulfan sulfate	10.1		ug/kg	0.830	0.395	1	B
Methoxychlor	ND		ug/kg	3.74	1.16	1	A
Toxaphene	ND		ug/kg	37.4	10.5	1	A
cis-Chlordane	ND		ug/kg	2.49	0.694	1	A
trans-Chlordane	ND		ug/kg	2.49	0.658	1	A
Chlordane	ND		ug/kg	16.6	6.60	1	A

Project Name: HKV2101

Lab Number: L2155998

Project Number: HKV2101

Report Date: 10/20/21

SAMPLE RESULTS

Lab ID: L2155998-11

Date Collected: 10/13/21 10:20

Client ID: GRID Q_0-2

Date Received: 10/13/21

Sample Location: Not Specified

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	59		30-150	A
Decachlorobiphenyl	76		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	83		30-150	B

Project Name: HKV2101

Lab Number: L2155998

Project Number: HKV2101

Report Date: 10/20/21

SAMPLE RESULTS

Lab ID: L2155998-11 D

Date Collected: 10/13/21 10:20

Client ID: GRID Q_0-2

Date Received: 10/13/21

Sample Location: Not Specified

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Extraction Method: EPA 3546

Analytical Method: 1,8081B

Extraction Date: 10/14/21 22:19

Analytical Date: 10/19/21 15:19

Cleanup Method: EPA 3620B

Analyst: AR

Cleanup Date: 10/16/21

Percent Solids: 78%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
4,4'-DDE	276		ug/kg	19.9	4.61	10	B
4,4'-DDT	799		ug/kg	37.4	16.0	10	B

Project Name: HKV2101

Lab Number: L2155998

Project Number: HKV2101

Report Date: 10/20/21

SAMPLE RESULTS

Lab ID: L2155998-13

Date Collected: 10/13/21 11:30

Client ID: GRID R_0-2

Date Received: 10/13/21

Sample Location: Not Specified

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Extraction Method: EPA 3546

Analytical Method: 1,8081B

Extraction Date: 10/14/21 22:19

Analytical Date: 10/16/21 13:02

Cleanup Method: EPA 3620B

Analyst: AR

Cleanup Date: 10/16/21

Percent Solids: 94%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.67	0.328	1	A
Lindane	ND		ug/kg	0.698	0.312	1	A
Alpha-BHC	ND		ug/kg	0.698	0.198	1	A
Beta-BHC	ND		ug/kg	1.67	0.635	1	A
Heptachlor	ND		ug/kg	0.837	0.375	1	A
Aldrin	ND		ug/kg	1.67	0.590	1	A
Heptachlor epoxide	ND		ug/kg	3.14	0.942	1	A
Endrin	1.02		ug/kg	0.698	0.286	1	B
Endrin aldehyde	ND		ug/kg	2.09	0.733	1	A
Endrin ketone	9.67	IP	ug/kg	1.67	0.431	1	A
Dieldrin	9.69		ug/kg	1.05	0.523	1	B
4,4'-DDE	253	E	ug/kg	1.67	0.387	1	A
4,4'-DDD	4.01		ug/kg	1.67	0.597	1	B
4,4'-DDT	485	E	ug/kg	3.14	1.35	1	B
Endosulfan I	3.64	P	ug/kg	1.67	0.396	1	B
Endosulfan II	6.93		ug/kg	1.67	0.560	1	A
Endosulfan sulfate	16.8		ug/kg	0.698	0.332	1	B
Methoxychlor	ND		ug/kg	3.14	0.977	1	A
Toxaphene	ND		ug/kg	31.4	8.79	1	A
cis-Chlordane	ND		ug/kg	2.09	0.583	1	A
trans-Chlordane	ND		ug/kg	2.09	0.553	1	A
Chlordane	ND		ug/kg	14.0	5.55	1	A

Project Name: HKV2101

Lab Number: L2155998

Project Number: HKV2101

Report Date: 10/20/21

SAMPLE RESULTS

Lab ID: L2155998-13

Date Collected: 10/13/21 11:30

Client ID: GRID R_0-2

Date Received: 10/13/21

Sample Location: Not Specified

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		30-150	A
Decachlorobiphenyl	101		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	96		30-150	B

Project Name: HKV2101

Lab Number: L2155998

Project Number: HKV2101

Report Date: 10/20/21

SAMPLE RESULTS

Lab ID: L2155998-13

Date Collected: 10/13/21 11:30

Client ID: GRID R_0-2

Date Received: 10/13/21

Sample Location: Not Specified

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Extraction Method: EPA 8151A

Analytical Method: 1,8151A

Extraction Date: 10/14/21 10:18

Analytical Date: 10/18/21 11:39

Analyst: SDC

Percent Solids: 94%

Methylation Date: 10/15/21 07:11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column

Chlorinated Herbicides by GC - Westborough Lab

2,4-D	ND		ug/kg	173	10.9	1	A
2,4,5-T	ND		ug/kg	173	5.37	1	A
2,4,5-TP (Silvex)	ND		ug/kg	173	4.60	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	84		30-150	A
DCAA	76		30-150	B

Project Name: HKV2101

Lab Number: L2155998

Project Number: HKV2101

Report Date: 10/20/21

SAMPLE RESULTS

Lab ID: L2155998-13 D

Date Collected: 10/13/21 11:30

Client ID: GRID R_0-2

Date Received: 10/13/21

Sample Location: Not Specified

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Extraction Method: EPA 3546

Analytical Method: 1,8081B

Extraction Date: 10/14/21 22:19

Analytical Date: 10/19/21 16:02

Cleanup Method: EPA 3620B

Analyst: AR

Cleanup Date: 10/16/21

Percent Solids: 94%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
4,4'-DDE	242		ug/kg	16.7	3.87	10	A
4,4'-DDT	459		ug/kg	31.4	13.5	10	B

Project Name: HKV2101

Lab Number: L2155998

Project Number: HKV2101

Report Date: 10/20/21

SAMPLE RESULTS

Lab ID: L2155998-15

Date Collected: 10/13/21 13:40

Client ID: GRID S_0-2

Date Received: 10/13/21

Sample Location: Not Specified

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Extraction Method: EPA 3546

Analytical Method: 1,8081B

Extraction Date: 10/14/21 22:19

Analytical Date: 10/16/21 13:13

Cleanup Method: EPA 3620B

Analyst: AR

Cleanup Date: 10/16/21

Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.66	0.325	1	A
Lindane	ND		ug/kg	0.692	0.309	1	A
Alpha-BHC	ND		ug/kg	0.692	0.196	1	A
Beta-BHC	ND		ug/kg	1.66	0.630	1	A
Heptachlor	ND		ug/kg	0.831	0.372	1	A
Aldrin	ND		ug/kg	1.66	0.585	1	A
Heptachlor epoxide	ND		ug/kg	3.12	0.934	1	A
Endrin	ND		ug/kg	0.692	0.284	1	A
Endrin aldehyde	ND		ug/kg	2.08	0.727	1	A
Endrin ketone	2.84	IP	ug/kg	1.66	0.428	1	A
Dieldrin	2.69		ug/kg	1.04	0.519	1	A
4,4'-DDE	53.3		ug/kg	1.66	0.384	1	B
4,4'-DDD	2.06	P	ug/kg	1.66	0.592	1	B
4,4'-DDT	107		ug/kg	3.12	1.34	1	B
Endosulfan I	ND		ug/kg	1.66	0.392	1	A
Endosulfan II	1.72	P	ug/kg	1.66	0.555	1	A
Endosulfan sulfate	3.95		ug/kg	0.692	0.330	1	B
Methoxychlor	ND		ug/kg	3.12	0.969	1	A
Toxaphene	ND		ug/kg	31.2	8.72	1	A
cis-Chlordane	ND		ug/kg	2.08	0.579	1	A
trans-Chlordane	ND		ug/kg	2.08	0.548	1	A
Chlordane	ND		ug/kg	13.8	5.50	1	A

Project Name: HKV2101

Lab Number: L2155998

Project Number: HKV2101

Report Date: 10/20/21

SAMPLE RESULTS

Lab ID: L2155998-15

Date Collected: 10/13/21 13:40

Client ID: GRID S_0-2

Date Received: 10/13/21

Sample Location: Not Specified

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	A
Decachlorobiphenyl	98		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	96		30-150	B

Project Name: HKV2101

Lab Number: L2155998

Project Number: HKV2101

Report Date: 10/20/21

SAMPLE RESULTS

Lab ID: L2155998-17

Date Collected: 10/13/21 15:00

Client ID: GRID T_0-2

Date Received: 10/13/21

Sample Location: Not Specified

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Extraction Method: EPA 3546

Analytical Method: 1,8081B

Extraction Date: 10/14/21 22:19

Analytical Date: 10/16/21 13:24

Cleanup Method: EPA 3620B

Analyst: AR

Cleanup Date: 10/16/21

Percent Solids: 81%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.87	0.367	1	A
Lindane	ND		ug/kg	0.780	0.349	1	A
Alpha-BHC	ND		ug/kg	0.780	0.222	1	A
Beta-BHC	ND		ug/kg	1.87	0.710	1	A
Heptachlor	ND		ug/kg	0.936	0.420	1	A
Aldrin	ND		ug/kg	1.87	0.659	1	A
Heptachlor epoxide	ND		ug/kg	3.51	1.05	1	A
Endrin	ND		ug/kg	0.780	0.320	1	A
Endrin aldehyde	ND		ug/kg	2.34	0.819	1	A
Endrin ketone	2.50	IP	ug/kg	1.87	0.482	1	A
Dieldrin	2.90		ug/kg	1.17	0.585	1	A
4,4'-DDE	63.8		ug/kg	1.87	0.433	1	A
4,4'-DDD	3.47		ug/kg	1.87	0.668	1	B
4,4'-DDT	122		ug/kg	3.51	1.51	1	B
Endosulfan I	ND		ug/kg	1.87	0.442	1	A
Endosulfan II	2.53		ug/kg	1.87	0.626	1	A
Endosulfan sulfate	3.42		ug/kg	0.780	0.371	1	A
Methoxychlor	ND		ug/kg	3.51	1.09	1	A
Toxaphene	ND		ug/kg	35.1	9.83	1	A
cis-Chlordane	ND		ug/kg	2.34	0.652	1	A
trans-Chlordane	ND		ug/kg	2.34	0.618	1	A
Chlordane	ND		ug/kg	15.6	6.20	1	A

Project Name: HKV2101

Lab Number: L2155998

Project Number: HKV2101

Report Date: 10/20/21

SAMPLE RESULTS

Lab ID: L2155998-17

Date Collected: 10/13/21 15:00

Client ID: GRID T_0-2

Date Received: 10/13/21

Sample Location: Not Specified

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		30-150	A
Decachlorobiphenyl	105		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		30-150	B
Decachlorobiphenyl	102		30-150	B

Project Name: HKV2101

Project Number: HKV2101

Lab Number: L2155998

Report Date: 10/20/21

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8151A
 Analytical Date: 10/15/21 13:12
 Analyst: EJL

Extraction Method: EPA 8151A
 Extraction Date: 10/14/21 10:12

Methylation Date: 10/15/21 07:11

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 01,13 Batch: WG1558568-1						
2,4-D	ND		ug/kg	163	10.3	A
2,4,5-T	ND		ug/kg	163	5.06	A
2,4,5-TP (Silvex)	ND		ug/kg	163	4.34	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	85		30-150	A
DCAA	75		30-150	B

Project Name: HKV2101

Project Number: HKV2101

Lab Number: L2155998

Report Date: 10/20/21

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8081B
 Analytical Date: 10/16/21 13:35
 Analyst: SDC

Extraction Method: EPA 3546
 Extraction Date: 10/14/21 22:19
 Cleanup Method: EPA 3620B
 Cleanup Date: 10/16/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 03,05,07,09,11,13,15,17 Batch: WG1558903-1						
Delta-BHC	ND		ug/kg	1.55	0.304	A
Lindane	ND		ug/kg	0.646	0.289	A
Alpha-BHC	ND		ug/kg	0.646	0.184	A
Beta-BHC	ND		ug/kg	1.55	0.588	A
Heptachlor	ND		ug/kg	0.776	0.348	A
Aldrin	ND		ug/kg	1.55	0.546	A
Heptachlor epoxide	ND		ug/kg	2.91	0.873	A
Endrin	ND		ug/kg	0.646	0.265	A
Endrin aldehyde	ND		ug/kg	1.94	0.679	A
Endrin ketone	ND		ug/kg	1.55	0.399	A
Dieldrin	ND		ug/kg	0.970	0.485	A
4,4'-DDE	ND		ug/kg	1.55	0.359	A
4,4'-DDD	ND		ug/kg	1.55	0.553	A
4,4'-DDT	ND		ug/kg	2.91	1.25	A
Endosulfan I	ND		ug/kg	1.55	0.366	A
Endosulfan II	ND		ug/kg	1.55	0.518	A
Endosulfan sulfate	ND		ug/kg	0.646	0.308	A
Methoxychlor	ND		ug/kg	2.91	0.905	A
Toxaphene	ND		ug/kg	29.1	8.14	A
cis-Chlordane	ND		ug/kg	1.94	0.540	A
trans-Chlordane	ND		ug/kg	1.94	0.512	A
Chlordane	ND		ug/kg	12.9	5.14	A

Project Name: HKV2101

Project Number: HKV2101

Lab Number: L2155998

Report Date: 10/20/21

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8081B
 Analytical Date: 10/16/21 13:35
 Analyst: SDC

Extraction Method: EPA 3546
 Extraction Date: 10/14/21 22:19
 Cleanup Method: EPA 3620B
 Cleanup Date: 10/16/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 03,05,07,09,11,13,15,17 Batch: WG1558903-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		30-150	A
Decachlorobiphenyl	92		30-150	A
2,4,5,6-Tetrachloro-m-xylene	61		30-150	B
Decachlorobiphenyl	87		30-150	B

Project Name: HKV2101

Project Number: HKV2101

Lab Number: L2155998

Report Date: 10/20/21

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8081B
 Analytical Date: 10/18/21 12:08
 Analyst: SDC

Extraction Method: EPA 3546
 Extraction Date: 10/16/21 04:25
 Cleanup Method: EPA 3620B
 Cleanup Date: 10/17/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01 Batch: WG1559426-1						
Delta-BHC	ND		ug/kg	1.58	0.310	A
Lindane	ND		ug/kg	0.660	0.295	A
Alpha-BHC	ND		ug/kg	0.660	0.188	A
Beta-BHC	ND		ug/kg	1.58	0.601	A
Heptachlor	ND		ug/kg	0.793	0.355	A
Aldrin	ND		ug/kg	1.58	0.558	A
Heptachlor epoxide	ND		ug/kg	2.97	0.892	A
Endrin	ND		ug/kg	0.660	0.271	A
Endrin aldehyde	ND		ug/kg	1.98	0.694	A
Endrin ketone	ND		ug/kg	1.58	0.408	A
Dieldrin	ND		ug/kg	0.991	0.495	A
4,4'-DDE	ND		ug/kg	1.58	0.366	A
4,4'-DDD	ND		ug/kg	1.58	0.565	A
4,4'-DDT	ND		ug/kg	2.97	1.27	A
Endosulfan I	ND		ug/kg	1.58	0.374	A
Endosulfan II	ND		ug/kg	1.58	0.530	A
Endosulfan sulfate	ND		ug/kg	0.660	0.314	A
Methoxychlor	ND		ug/kg	2.97	0.925	A
Toxaphene	ND		ug/kg	29.7	8.32	A
cis-Chlordane	ND		ug/kg	1.98	0.552	A
trans-Chlordane	ND		ug/kg	1.98	0.523	A
Chlordane	ND		ug/kg	13.2	5.25	A

Project Name: HKV2101

Project Number: HKV2101

Lab Number: L2155998

Report Date: 10/20/21

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8081B
 Analytical Date: 10/18/21 12:08
 Analyst: SDC

Extraction Method: EPA 3546
 Extraction Date: 10/16/21 04:25
 Cleanup Method: EPA 3620B
 Cleanup Date: 10/17/21

Parameter	Result	Qualifier	Units	RL	MDL	Column

Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01 Batch: WG1559426-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	84		30-150	A
Decachlorobiphenyl	109		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	76		30-150	B

Lab Control Sample Analysis Batch Quality Control

Project Name: HKV2101

Lab Number: L2155998

Project Number: HKV2101

Report Date: 10/20/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01,13 Batch: WG1558568-2 WG1558568-3									
2,4-D	63		61		30-150	3		30	A
2,4,5-T	74		69		30-150	7		30	A
2,4,5-TP (Silvex)	76		68		30-150	11		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	84		69		30-150	A
DCAA	92		75		30-150	B

Lab Control Sample Analysis **Batch Quality Control**

Project Name: HKV2101

Project Number: HKV2101

Lab Number: L2155998

Report Date: 10/20/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 03,05,07,09,11,13,15,17 Batch: WG1558903-2 WG1558903-3									
Delta-BHC	75		69		30-150	8		30	A
Lindane	79		74		30-150	7		30	A
Alpha-BHC	79		74		30-150	7		30	A
Beta-BHC	81		73		30-150	10		30	A
Heptachlor	89		84		30-150	6		30	A
Aldrin	79		74		30-150	7		30	A
Heptachlor epoxide	73		76		30-150	4		30	A
Endrin	86		80		30-150	7		30	A
Endrin aldehyde	63		56		30-150	12		30	A
Endrin ketone	84		77		30-150	9		30	A
Dieldrin	85		79		30-150	7		30	A
4,4'-DDE	77		73		30-150	5		30	A
4,4'-DDD	85		79		30-150	7		30	A
4,4'-DDT	93		86		30-150	8		30	A
Endosulfan I	77		72		30-150	7		30	A
Endosulfan II	84		75		30-150	11		30	A
Endosulfan sulfate	70		62		30-150	12		30	A
Methoxychlor	87		81		30-150	7		30	A
cis-Chlordane	67		63		30-150	6		30	A
trans-Chlordane	84		79		30-150	6		30	A

Lab Control Sample Analysis Batch Quality Control

Project Name: HKV2101

Project Number: HKV2101

Lab Number: L2155998

Report Date: 10/20/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 03,05,07,09,11,13,15,17 Batch: WG1558903-2 WG1558903-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		71		30-150	A
Decachlorobiphenyl	103		104		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		67		30-150	B
Decachlorobiphenyl	96		100		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: HKV2101

Project Number: HKV2101

Lab Number: L2155998

Report Date: 10/20/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG1559426-2 WG1559426-3									
Delta-BHC	86		81		30-150	6		30	A
Lindane	87		84		30-150	4		30	A
Alpha-BHC	83		82		30-150	1		30	A
Beta-BHC	90		90		30-150	0		30	A
Heptachlor	95		94		30-150	1		30	A
Aldrin	90		89		30-150	1		30	A
Heptachlor epoxide	81		76		30-150	6		30	A
Endrin	91		85		30-150	7		30	A
Endrin aldehyde	70		61		30-150	14		30	A
Endrin ketone	86		84		30-150	2		30	A
Dieldrin	94		89		30-150	5		30	A
4,4'-DDE	88		83		30-150	6		30	A
4,4'-DDD	93		87		30-150	7		30	A
4,4'-DDT	82		80		30-150	2		30	A
Endosulfan I	83		80		30-150	4		30	A
Endosulfan II	87		82		30-150	6		30	A
Endosulfan sulfate	82		80		30-150	2		30	A
Methoxychlor	106		108		30-150	2		30	A
cis-Chlordane	75		73		30-150	3		30	A
trans-Chlordane	106		101		30-150	5		30	A

Lab Control Sample Analysis **Batch Quality Control**

Project Name: HKV2101

Project Number: HKV2101

Lab Number: L2155998

Report Date: 10/20/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG1559426-2 WG1559426-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	88		85		30-150	A
Decachlorobiphenyl	108		107		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		77		30-150	B
Decachlorobiphenyl	77		72		30-150	B

METALS

Project Name: HKV2101

Lab Number: L2155998

Project Number: HKV2101

Report Date: 10/20/21

SAMPLE RESULTS

Lab ID: L2155998-01

Date Collected: 10/13/21 09:35

Client ID: GRID A_0-2

Date Received: 10/13/21

Sample Location: Not Specified

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	12200		mg/kg	9.28	2.51	2	10/14/21 19:40	10/15/21 21:12	EPA 3050B	1,6010D	GD
Antimony, Total	ND		mg/kg	4.64	0.353	2	10/14/21 19:40	10/15/21 21:12	EPA 3050B	1,6010D	GD
Arsenic, Total	50.4		mg/kg	0.928	0.193	2	10/14/21 19:40	10/15/21 21:12	EPA 3050B	1,6010D	GD
Barium, Total	25.8		mg/kg	0.928	0.162	2	10/14/21 19:40	10/15/21 21:12	EPA 3050B	1,6010D	GD
Beryllium, Total	0.353	J	mg/kg	0.464	0.031	2	10/14/21 19:40	10/15/21 21:12	EPA 3050B	1,6010D	GD
Cadmium, Total	0.269	J	mg/kg	0.928	0.091	2	10/14/21 19:40	10/15/21 21:12	EPA 3050B	1,6010D	GD
Calcium, Total	453		mg/kg	9.28	3.25	2	10/14/21 19:40	10/15/21 21:12	EPA 3050B	1,6010D	GD
Chromium, Total	14.4		mg/kg	0.928	0.089	2	10/14/21 19:40	10/15/21 21:12	EPA 3050B	1,6010D	GD
Cobalt, Total	2.24		mg/kg	1.86	0.154	2	10/14/21 19:40	10/15/21 21:12	EPA 3050B	1,6010D	GD
Copper, Total	40.0		mg/kg	0.928	0.240	2	10/14/21 19:40	10/15/21 21:12	EPA 3050B	1,6010D	GD
Iron, Total	13900		mg/kg	4.64	0.838	2	10/14/21 19:40	10/15/21 21:12	EPA 3050B	1,6010D	GD
Lead, Total	55.7		mg/kg	4.64	0.249	2	10/14/21 19:40	10/15/21 21:12	EPA 3050B	1,6010D	GD
Magnesium, Total	980		mg/kg	9.28	1.43	2	10/14/21 19:40	10/15/21 21:12	EPA 3050B	1,6010D	GD
Manganese, Total	63.8		mg/kg	0.928	0.148	2	10/14/21 19:40	10/15/21 21:12	EPA 3050B	1,6010D	GD
Mercury, Total	0.193		mg/kg	0.099	0.065	1	10/14/21 20:21	10/18/21 08:06	EPA 7471B	1,7471B	AC
Nickel, Total	5.10		mg/kg	2.32	0.225	2	10/14/21 19:40	10/15/21 21:12	EPA 3050B	1,6010D	GD
Potassium, Total	338		mg/kg	232	13.4	2	10/14/21 19:40	10/15/21 21:12	EPA 3050B	1,6010D	GD
Selenium, Total	0.297	J	mg/kg	1.86	0.240	2	10/14/21 19:40	10/15/21 21:12	EPA 3050B	1,6010D	GD
Silver, Total	ND		mg/kg	0.928	0.263	2	10/14/21 19:40	10/15/21 21:12	EPA 3050B	1,6010D	GD
Sodium, Total	168		mg/kg	94.0	1.48	1	10/16/21 06:00	10/17/21 18:09	EPA 3050B	1,6010D	DL
Thallium, Total	ND		mg/kg	1.86	0.292	2	10/14/21 19:40	10/15/21 21:12	EPA 3050B	1,6010D	GD
Vanadium, Total	24.4		mg/kg	0.928	0.188	2	10/14/21 19:40	10/15/21 21:12	EPA 3050B	1,6010D	GD
Zinc, Total	32.5		mg/kg	4.64	0.272	2	10/14/21 19:40	10/15/21 21:12	EPA 3050B	1,6010D	GD



Project Name: HKV2101

Lab Number: L2155998

Project Number: HKV2101

Report Date: 10/20/21

SAMPLE RESULTS

Lab ID: L2155998-03

Date Collected: 10/13/21 10:45

Client ID: GRID B_0-2

Date Received: 10/13/21

Sample Location: Not Specified

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 73%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	7460		mg/kg	10.5	2.84	2	10/14/21 19:40	10/15/21 21:17	EPA 3050B	1,6010D	GD
Antimony, Total	ND		mg/kg	5.25	0.399	2	10/14/21 19:40	10/15/21 21:17	EPA 3050B	1,6010D	GD
Arsenic, Total	31.6		mg/kg	1.05	0.218	2	10/14/21 19:40	10/15/21 21:17	EPA 3050B	1,6010D	GD
Barium, Total	21.0		mg/kg	1.05	0.183	2	10/14/21 19:40	10/15/21 21:17	EPA 3050B	1,6010D	GD
Beryllium, Total	0.231	J	mg/kg	0.525	0.035	2	10/14/21 19:40	10/15/21 21:17	EPA 3050B	1,6010D	GD
Cadmium, Total	0.252	J	mg/kg	1.05	0.103	2	10/14/21 19:40	10/15/21 21:17	EPA 3050B	1,6010D	GD
Calcium, Total	475		mg/kg	10.5	3.68	2	10/14/21 19:40	10/15/21 21:17	EPA 3050B	1,6010D	GD
Chromium, Total	9.73		mg/kg	1.05	0.101	2	10/14/21 19:40	10/15/21 21:17	EPA 3050B	1,6010D	GD
Cobalt, Total	1.45	J	mg/kg	2.10	0.174	2	10/14/21 19:40	10/15/21 21:17	EPA 3050B	1,6010D	GD
Copper, Total	31.6		mg/kg	1.05	0.271	2	10/14/21 19:40	10/15/21 21:17	EPA 3050B	1,6010D	GD
Iron, Total	8910		mg/kg	5.25	0.948	2	10/14/21 19:40	10/15/21 21:17	EPA 3050B	1,6010D	GD
Lead, Total	40.3		mg/kg	5.25	0.281	2	10/14/21 19:40	10/15/21 21:17	EPA 3050B	1,6010D	GD
Magnesium, Total	564		mg/kg	10.5	1.62	2	10/14/21 19:40	10/15/21 21:17	EPA 3050B	1,6010D	GD
Manganese, Total	44.5		mg/kg	1.05	0.167	2	10/14/21 19:40	10/15/21 21:17	EPA 3050B	1,6010D	GD
Mercury, Total	0.185		mg/kg	0.099	0.065	1	10/14/21 20:21	10/18/21 08:09	EPA 7471B	1,7471B	AC
Nickel, Total	3.41		mg/kg	2.62	0.254	2	10/14/21 19:40	10/15/21 21:17	EPA 3050B	1,6010D	GD
Potassium, Total	217	J	mg/kg	262	15.1	2	10/14/21 19:40	10/15/21 21:17	EPA 3050B	1,6010D	GD
Selenium, Total	ND		mg/kg	2.10	0.271	2	10/14/21 19:40	10/15/21 21:17	EPA 3050B	1,6010D	GD
Silver, Total	ND		mg/kg	1.05	0.297	2	10/14/21 19:40	10/15/21 21:17	EPA 3050B	1,6010D	GD
Sodium, Total	25.5	J	mg/kg	107	1.68	1	10/16/21 06:00	10/17/21 18:55	EPA 3050B	1,6010D	DL
Thallium, Total	ND		mg/kg	2.10	0.331	2	10/14/21 19:40	10/15/21 21:17	EPA 3050B	1,6010D	GD
Vanadium, Total	15.6		mg/kg	1.05	0.213	2	10/14/21 19:40	10/15/21 21:17	EPA 3050B	1,6010D	GD
Zinc, Total	23.3		mg/kg	5.25	0.308	2	10/14/21 19:40	10/15/21 21:17	EPA 3050B	1,6010D	GD



Project Name: HKV2101

Lab Number: L2155998

Project Number: HKV2101

Report Date: 10/20/21

SAMPLE RESULTS

Lab ID: L2155998-05

Date Collected: 10/13/21 13:00

Client ID: GRID C_0-2

Date Received: 10/13/21

Sample Location: Not Specified

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	6790		mg/kg	9.17	2.48	2	10/14/21 19:40	10/15/21 21:21	EPA 3050B	1,6010D	GD
Antimony, Total	ND		mg/kg	4.58	0.348	2	10/14/21 19:40	10/15/21 21:21	EPA 3050B	1,6010D	GD
Arsenic, Total	21.1		mg/kg	0.917	0.191	2	10/14/21 19:40	10/15/21 21:21	EPA 3050B	1,6010D	GD
Barium, Total	12.5		mg/kg	0.917	0.160	2	10/14/21 19:40	10/15/21 21:21	EPA 3050B	1,6010D	GD
Beryllium, Total	0.202	J	mg/kg	0.458	0.030	2	10/14/21 19:40	10/15/21 21:21	EPA 3050B	1,6010D	GD
Cadmium, Total	0.119	J	mg/kg	0.917	0.090	2	10/14/21 19:40	10/15/21 21:21	EPA 3050B	1,6010D	GD
Calcium, Total	153		mg/kg	9.17	3.21	2	10/14/21 19:40	10/15/21 21:21	EPA 3050B	1,6010D	GD
Chromium, Total	7.58		mg/kg	0.917	0.088	2	10/14/21 19:40	10/15/21 21:21	EPA 3050B	1,6010D	GD
Cobalt, Total	1.60	J	mg/kg	1.83	0.152	2	10/14/21 19:40	10/15/21 21:21	EPA 3050B	1,6010D	GD
Copper, Total	14.9		mg/kg	0.917	0.236	2	10/14/21 19:40	10/15/21 21:21	EPA 3050B	1,6010D	GD
Iron, Total	7570		mg/kg	4.58	0.828	2	10/14/21 19:40	10/15/21 21:21	EPA 3050B	1,6010D	GD
Lead, Total	10.2		mg/kg	4.58	0.246	2	10/14/21 19:40	10/15/21 21:21	EPA 3050B	1,6010D	GD
Magnesium, Total	675		mg/kg	9.17	1.41	2	10/14/21 19:40	10/15/21 21:21	EPA 3050B	1,6010D	GD
Manganese, Total	35.2		mg/kg	0.917	0.146	2	10/14/21 19:40	10/15/21 21:21	EPA 3050B	1,6010D	GD
Mercury, Total	ND		mg/kg	0.084	0.055	1	10/14/21 20:21	10/18/21 08:12	EPA 7471B	1,7471B	AC
Nickel, Total	3.27		mg/kg	2.29	0.222	2	10/14/21 19:40	10/15/21 21:21	EPA 3050B	1,6010D	GD
Potassium, Total	157	J	mg/kg	229	13.2	2	10/14/21 19:40	10/15/21 21:21	EPA 3050B	1,6010D	GD
Selenium, Total	ND		mg/kg	1.83	0.236	2	10/14/21 19:40	10/15/21 21:21	EPA 3050B	1,6010D	GD
Silver, Total	ND		mg/kg	0.917	0.260	2	10/14/21 19:40	10/15/21 21:21	EPA 3050B	1,6010D	GD
Sodium, Total	21.5	J	mg/kg	90.1	1.42	1	10/16/21 06:00	10/17/21 19:00	EPA 3050B	1,6010D	DL
Thallium, Total	0.330	J	mg/kg	1.83	0.289	2	10/14/21 19:40	10/15/21 21:21	EPA 3050B	1,6010D	GD
Vanadium, Total	13.3		mg/kg	0.917	0.186	2	10/14/21 19:40	10/15/21 21:21	EPA 3050B	1,6010D	GD
Zinc, Total	10.8		mg/kg	4.58	0.269	2	10/14/21 19:40	10/15/21 21:21	EPA 3050B	1,6010D	GD



Project Name: HKV2101

Lab Number: L2155998

Project Number: HKV2101

Report Date: 10/20/21

SAMPLE RESULTS

Lab ID: L2155998-07

Date Collected: 10/13/21 14:30

Client ID: GRID D_0-2

Date Received: 10/13/21

Sample Location: Not Specified

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 79%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5660		mg/kg	9.94	2.68	2	10/14/21 19:40	10/15/21 21:26	EPA 3050B	1,6010D	GD
Antimony, Total	ND		mg/kg	4.97	0.378	2	10/14/21 19:40	10/15/21 21:26	EPA 3050B	1,6010D	GD
Arsenic, Total	11.8		mg/kg	0.994	0.207	2	10/14/21 19:40	10/15/21 21:26	EPA 3050B	1,6010D	GD
Barium, Total	9.94		mg/kg	0.994	0.173	2	10/14/21 19:40	10/15/21 21:26	EPA 3050B	1,6010D	GD
Beryllium, Total	0.149	J	mg/kg	0.497	0.033	2	10/14/21 19:40	10/15/21 21:26	EPA 3050B	1,6010D	GD
Cadmium, Total	0.099	J	mg/kg	0.994	0.098	2	10/14/21 19:40	10/15/21 21:26	EPA 3050B	1,6010D	GD
Calcium, Total	179		mg/kg	9.94	3.48	2	10/14/21 19:40	10/15/21 21:26	EPA 3050B	1,6010D	GD
Chromium, Total	6.14		mg/kg	0.994	0.096	2	10/14/21 19:40	10/15/21 21:26	EPA 3050B	1,6010D	GD
Cobalt, Total	1.48	J	mg/kg	1.99	0.165	2	10/14/21 19:40	10/15/21 21:26	EPA 3050B	1,6010D	GD
Copper, Total	6.11		mg/kg	0.994	0.256	2	10/14/21 19:40	10/15/21 21:26	EPA 3050B	1,6010D	GD
Iron, Total	6200		mg/kg	4.97	0.898	2	10/14/21 19:40	10/15/21 21:26	EPA 3050B	1,6010D	GD
Lead, Total	8.42		mg/kg	4.97	0.266	2	10/14/21 19:40	10/15/21 21:26	EPA 3050B	1,6010D	GD
Magnesium, Total	500		mg/kg	9.94	1.53	2	10/14/21 19:40	10/15/21 21:26	EPA 3050B	1,6010D	GD
Manganese, Total	32.6		mg/kg	0.994	0.158	2	10/14/21 19:40	10/15/21 21:26	EPA 3050B	1,6010D	GD
Mercury, Total	ND		mg/kg	0.10	0.065	1	10/14/21 20:21	10/18/21 08:16	EPA 7471B	1,7471B	AC
Nickel, Total	2.72		mg/kg	2.49	0.241	2	10/14/21 19:40	10/15/21 21:26	EPA 3050B	1,6010D	GD
Potassium, Total	135	J	mg/kg	249	14.3	2	10/14/21 19:40	10/15/21 21:26	EPA 3050B	1,6010D	GD
Selenium, Total	ND		mg/kg	1.99	0.256	2	10/14/21 19:40	10/15/21 21:26	EPA 3050B	1,6010D	GD
Silver, Total	ND		mg/kg	0.994	0.281	2	10/14/21 19:40	10/15/21 21:26	EPA 3050B	1,6010D	GD
Sodium, Total	22.2	J	mg/kg	97.0	1.53	1	10/16/21 06:00	10/17/21 19:04	EPA 3050B	1,6010D	DL
Thallium, Total	ND		mg/kg	1.99	0.313	2	10/14/21 19:40	10/15/21 21:26	EPA 3050B	1,6010D	GD
Vanadium, Total	10.7		mg/kg	0.994	0.202	2	10/14/21 19:40	10/15/21 21:26	EPA 3050B	1,6010D	GD
Zinc, Total	9.59		mg/kg	4.97	0.291	2	10/14/21 19:40	10/15/21 21:26	EPA 3050B	1,6010D	GD



Project Name: HKV2101

Lab Number: L2155998

Project Number: HKV2101

Report Date: 10/20/21

SAMPLE RESULTS

Lab ID: L2155998-09

Date Collected: 10/13/21 08:26

Client ID: GRID P_0-2

Date Received: 10/13/21

Sample Location: Not Specified

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	4190		mg/kg	8.96	2.42	2	10/14/21 19:40	10/15/21 21:30	EPA 3050B	1,6010D	GD
Antimony, Total	ND		mg/kg	4.48	0.340	2	10/14/21 19:40	10/15/21 21:30	EPA 3050B	1,6010D	GD
Arsenic, Total	10.2		mg/kg	0.896	0.186	2	10/14/21 19:40	10/15/21 21:30	EPA 3050B	1,6010D	GD
Barium, Total	13.6		mg/kg	0.896	0.156	2	10/14/21 19:40	10/15/21 21:30	EPA 3050B	1,6010D	GD
Beryllium, Total	0.125	J	mg/kg	0.448	0.030	2	10/14/21 19:40	10/15/21 21:30	EPA 3050B	1,6010D	GD
Cadmium, Total	0.143	J	mg/kg	0.896	0.088	2	10/14/21 19:40	10/15/21 21:30	EPA 3050B	1,6010D	GD
Calcium, Total	490		mg/kg	8.96	3.14	2	10/14/21 19:40	10/15/21 21:30	EPA 3050B	1,6010D	GD
Chromium, Total	6.84		mg/kg	0.896	0.086	2	10/14/21 19:40	10/15/21 21:30	EPA 3050B	1,6010D	GD
Cobalt, Total	1.16	J	mg/kg	1.79	0.149	2	10/14/21 19:40	10/15/21 21:30	EPA 3050B	1,6010D	GD
Copper, Total	10.9		mg/kg	0.896	0.231	2	10/14/21 19:40	10/15/21 21:30	EPA 3050B	1,6010D	GD
Iron, Total	5400		mg/kg	4.48	0.809	2	10/14/21 19:40	10/15/21 21:30	EPA 3050B	1,6010D	GD
Lead, Total	58.4		mg/kg	4.48	0.240	2	10/14/21 19:40	10/15/21 21:30	EPA 3050B	1,6010D	GD
Magnesium, Total	424		mg/kg	8.96	1.38	2	10/14/21 19:40	10/15/21 21:30	EPA 3050B	1,6010D	GD
Manganese, Total	38.8		mg/kg	0.896	0.142	2	10/14/21 19:40	10/15/21 21:30	EPA 3050B	1,6010D	GD
Mercury, Total	ND		mg/kg	0.090	0.059	1	10/14/21 20:21	10/18/21 08:19	EPA 7471B	1,7471B	AC
Nickel, Total	2.63		mg/kg	2.24	0.217	2	10/14/21 19:40	10/15/21 21:30	EPA 3050B	1,6010D	GD
Potassium, Total	120	J	mg/kg	224	12.9	2	10/14/21 19:40	10/15/21 21:30	EPA 3050B	1,6010D	GD
Selenium, Total	ND		mg/kg	1.79	0.231	2	10/14/21 19:40	10/15/21 21:30	EPA 3050B	1,6010D	GD
Silver, Total	ND		mg/kg	0.896	0.254	2	10/14/21 19:40	10/15/21 21:30	EPA 3050B	1,6010D	GD
Sodium, Total	46.8	J	mg/kg	91.5	1.44	1	10/16/21 06:00	10/17/21 19:09	EPA 3050B	1,6010D	DL
Thallium, Total	ND		mg/kg	1.79	0.282	2	10/14/21 19:40	10/15/21 21:30	EPA 3050B	1,6010D	GD
Vanadium, Total	10.2		mg/kg	0.896	0.182	2	10/14/21 19:40	10/15/21 21:30	EPA 3050B	1,6010D	GD
Zinc, Total	26.9		mg/kg	4.48	0.262	2	10/14/21 19:40	10/15/21 21:30	EPA 3050B	1,6010D	GD



Project Name: HKV2101

Lab Number: L2155998

Project Number: HKV2101

Report Date: 10/20/21

SAMPLE RESULTS

Lab ID: L2155998-11

Date Collected: 10/13/21 10:20

Client ID: GRID Q_0-2

Date Received: 10/13/21

Sample Location: Not Specified

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 78%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5060		mg/kg	10.0	2.71	2	10/14/21 19:40	10/15/21 21:44	EPA 3050B	1,6010D	GD
Antimony, Total	ND		mg/kg	5.03	0.382	2	10/14/21 19:40	10/15/21 21:44	EPA 3050B	1,6010D	GD
Arsenic, Total	18.0		mg/kg	1.00	0.209	2	10/14/21 19:40	10/15/21 21:44	EPA 3050B	1,6010D	GD
Barium, Total	17.1		mg/kg	1.00	0.175	2	10/14/21 19:40	10/15/21 21:44	EPA 3050B	1,6010D	GD
Beryllium, Total	0.151	J	mg/kg	0.503	0.033	2	10/14/21 19:40	10/15/21 21:44	EPA 3050B	1,6010D	GD
Cadmium, Total	0.141	J	mg/kg	1.00	0.099	2	10/14/21 19:40	10/15/21 21:44	EPA 3050B	1,6010D	GD
Calcium, Total	514		mg/kg	10.0	3.52	2	10/14/21 19:40	10/15/21 21:44	EPA 3050B	1,6010D	GD
Chromium, Total	6.39		mg/kg	1.00	0.097	2	10/14/21 19:40	10/15/21 21:44	EPA 3050B	1,6010D	GD
Cobalt, Total	0.774	J	mg/kg	2.01	0.167	2	10/14/21 19:40	10/15/21 21:44	EPA 3050B	1,6010D	GD
Copper, Total	18.3		mg/kg	1.00	0.259	2	10/14/21 19:40	10/15/21 21:44	EPA 3050B	1,6010D	GD
Iron, Total	5920		mg/kg	5.03	0.908	2	10/14/21 19:40	10/15/21 21:44	EPA 3050B	1,6010D	GD
Lead, Total	20.6		mg/kg	5.03	0.269	2	10/14/21 19:40	10/15/21 21:44	EPA 3050B	1,6010D	GD
Magnesium, Total	332		mg/kg	10.0	1.55	2	10/14/21 19:40	10/15/21 21:44	EPA 3050B	1,6010D	GD
Manganese, Total	24.4		mg/kg	1.00	0.160	2	10/14/21 19:40	10/15/21 21:44	EPA 3050B	1,6010D	GD
Mercury, Total	0.103		mg/kg	0.101	0.066	1	10/14/21 20:21	10/18/21 08:22	EPA 7471B	1,7471B	AC
Nickel, Total	1.83	J	mg/kg	2.51	0.243	2	10/14/21 19:40	10/15/21 21:44	EPA 3050B	1,6010D	GD
Potassium, Total	129	J	mg/kg	251	14.5	2	10/14/21 19:40	10/15/21 21:44	EPA 3050B	1,6010D	GD
Selenium, Total	ND		mg/kg	2.01	0.259	2	10/14/21 19:40	10/15/21 21:44	EPA 3050B	1,6010D	GD
Silver, Total	ND		mg/kg	1.00	0.284	2	10/14/21 19:40	10/15/21 21:44	EPA 3050B	1,6010D	GD
Sodium, Total	24.2	J	mg/kg	99.6	1.57	1	10/16/21 06:00	10/17/21 19:13	EPA 3050B	1,6010D	DL
Thallium, Total	ND		mg/kg	2.01	0.317	2	10/14/21 19:40	10/15/21 21:44	EPA 3050B	1,6010D	GD
Vanadium, Total	10.8		mg/kg	1.00	0.204	2	10/14/21 19:40	10/15/21 21:44	EPA 3050B	1,6010D	GD
Zinc, Total	11.4		mg/kg	5.03	0.295	2	10/14/21 19:40	10/15/21 21:44	EPA 3050B	1,6010D	GD



Project Name: HKV2101

Lab Number: L2155998

Project Number: HKV2101

Report Date: 10/20/21

SAMPLE RESULTS

Lab ID: L2155998-13

Date Collected: 10/13/21 11:30

Client ID: GRID R_0-2

Date Received: 10/13/21

Sample Location: Not Specified

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 94%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	3780		mg/kg	8.06	2.18	2	10/14/21 19:40	10/15/21 21:48	EPA 3050B	1,6010D	GD
Antimony, Total	ND		mg/kg	4.03	0.306	2	10/14/21 19:40	10/15/21 21:48	EPA 3050B	1,6010D	GD
Arsenic, Total	11.4		mg/kg	0.806	0.168	2	10/14/21 19:40	10/15/21 21:48	EPA 3050B	1,6010D	GD
Barium, Total	9.82		mg/kg	0.806	0.140	2	10/14/21 19:40	10/15/21 21:48	EPA 3050B	1,6010D	GD
Beryllium, Total	0.105	J	mg/kg	0.403	0.027	2	10/14/21 19:40	10/15/21 21:48	EPA 3050B	1,6010D	GD
Cadmium, Total	0.089	J	mg/kg	0.806	0.079	2	10/14/21 19:40	10/15/21 21:48	EPA 3050B	1,6010D	GD
Calcium, Total	430		mg/kg	8.06	2.82	2	10/14/21 19:40	10/15/21 21:48	EPA 3050B	1,6010D	GD
Chromium, Total	4.61		mg/kg	0.806	0.077	2	10/14/21 19:40	10/15/21 21:48	EPA 3050B	1,6010D	GD
Cobalt, Total	0.500	J	mg/kg	1.61	0.134	2	10/14/21 19:40	10/15/21 21:48	EPA 3050B	1,6010D	GD
Copper, Total	11.6		mg/kg	0.806	0.208	2	10/14/21 19:40	10/15/21 21:48	EPA 3050B	1,6010D	GD
Iron, Total	4100		mg/kg	4.03	0.728	2	10/14/21 19:40	10/15/21 21:48	EPA 3050B	1,6010D	GD
Lead, Total	12.0		mg/kg	4.03	0.216	2	10/14/21 19:40	10/15/21 21:48	EPA 3050B	1,6010D	GD
Magnesium, Total	255		mg/kg	8.06	1.24	2	10/14/21 19:40	10/15/21 21:48	EPA 3050B	1,6010D	GD
Manganese, Total	16.2		mg/kg	0.806	0.128	2	10/14/21 19:40	10/15/21 21:48	EPA 3050B	1,6010D	GD
Mercury, Total	ND		mg/kg	0.085	0.055	1	10/14/21 20:21	10/18/21 08:26	EPA 7471B	1,7471B	AC
Nickel, Total	1.34	J	mg/kg	2.01	0.195	2	10/14/21 19:40	10/15/21 21:48	EPA 3050B	1,6010D	GD
Potassium, Total	88.6	J	mg/kg	201	11.6	2	10/14/21 19:40	10/15/21 21:48	EPA 3050B	1,6010D	GD
Selenium, Total	0.209	J	mg/kg	1.61	0.208	2	10/14/21 19:40	10/15/21 21:48	EPA 3050B	1,6010D	GD
Silver, Total	ND		mg/kg	0.806	0.228	2	10/14/21 19:40	10/15/21 21:48	EPA 3050B	1,6010D	GD
Sodium, Total	14.2	J	mg/kg	80.6	1.27	1	10/16/21 06:00	10/17/21 19:18	EPA 3050B	1,6010D	DL
Thallium, Total	ND		mg/kg	1.61	0.254	2	10/14/21 19:40	10/15/21 21:48	EPA 3050B	1,6010D	GD
Vanadium, Total	7.93		mg/kg	0.806	0.164	2	10/14/21 19:40	10/15/21 21:48	EPA 3050B	1,6010D	GD
Zinc, Total	6.91		mg/kg	4.03	0.236	2	10/14/21 19:40	10/15/21 21:48	EPA 3050B	1,6010D	GD



Project Name: HKV2101

Lab Number: L2155998

Project Number: HKV2101

Report Date: 10/20/21

SAMPLE RESULTS

Lab ID: L2155998-15

Date Collected: 10/13/21 13:40

Client ID: GRID S_0-2

Date Received: 10/13/21

Sample Location: Not Specified

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	4470		mg/kg	8.33	2.25	2	10/14/21 19:40	10/15/21 21:53	EPA 3050B	1,6010D	GD
Antimony, Total	ND		mg/kg	4.16	0.316	2	10/14/21 19:40	10/15/21 21:53	EPA 3050B	1,6010D	GD
Arsenic, Total	12.3		mg/kg	0.833	0.173	2	10/14/21 19:40	10/15/21 21:53	EPA 3050B	1,6010D	GD
Barium, Total	7.32		mg/kg	0.833	0.145	2	10/14/21 19:40	10/15/21 21:53	EPA 3050B	1,6010D	GD
Beryllium, Total	0.117	J	mg/kg	0.416	0.028	2	10/14/21 19:40	10/15/21 21:53	EPA 3050B	1,6010D	GD
Cadmium, Total	ND		mg/kg	0.833	0.082	2	10/14/21 19:40	10/15/21 21:53	EPA 3050B	1,6010D	GD
Calcium, Total	296		mg/kg	8.33	2.92	2	10/14/21 19:40	10/15/21 21:53	EPA 3050B	1,6010D	GD
Chromium, Total	5.02		mg/kg	0.833	0.080	2	10/14/21 19:40	10/15/21 21:53	EPA 3050B	1,6010D	GD
Cobalt, Total	0.692	J	mg/kg	1.67	0.138	2	10/14/21 19:40	10/15/21 21:53	EPA 3050B	1,6010D	GD
Copper, Total	6.56		mg/kg	0.833	0.215	2	10/14/21 19:40	10/15/21 21:53	EPA 3050B	1,6010D	GD
Iron, Total	5010		mg/kg	4.16	0.752	2	10/14/21 19:40	10/15/21 21:53	EPA 3050B	1,6010D	GD
Lead, Total	7.76		mg/kg	4.16	0.223	2	10/14/21 19:40	10/15/21 21:53	EPA 3050B	1,6010D	GD
Magnesium, Total	334		mg/kg	8.33	1.28	2	10/14/21 19:40	10/15/21 21:53	EPA 3050B	1,6010D	GD
Manganese, Total	18.0		mg/kg	0.833	0.132	2	10/14/21 19:40	10/15/21 21:53	EPA 3050B	1,6010D	GD
Mercury, Total	ND		mg/kg	0.076	0.050	1	10/14/21 20:21	10/18/21 08:45	EPA 7471B	1,7471B	AC
Nickel, Total	1.79	J	mg/kg	2.08	0.202	2	10/14/21 19:40	10/15/21 21:53	EPA 3050B	1,6010D	GD
Potassium, Total	99.9	J	mg/kg	208	12.0	2	10/14/21 19:40	10/15/21 21:53	EPA 3050B	1,6010D	GD
Selenium, Total	ND		mg/kg	1.67	0.215	2	10/14/21 19:40	10/15/21 21:53	EPA 3050B	1,6010D	GD
Silver, Total	ND		mg/kg	0.833	0.236	2	10/14/21 19:40	10/15/21 21:53	EPA 3050B	1,6010D	GD
Sodium, Total	15.4	J	mg/kg	82.4	1.30	1	10/16/21 06:00	10/17/21 19:22	EPA 3050B	1,6010D	DL
Thallium, Total	ND		mg/kg	1.67	0.262	2	10/14/21 19:40	10/15/21 21:53	EPA 3050B	1,6010D	GD
Vanadium, Total	9.18		mg/kg	0.833	0.169	2	10/14/21 19:40	10/15/21 21:53	EPA 3050B	1,6010D	GD
Zinc, Total	6.96		mg/kg	4.16	0.244	2	10/14/21 19:40	10/15/21 21:53	EPA 3050B	1,6010D	GD



Project Name: HKV2101

Lab Number: L2155998

Project Number: HKV2101

Report Date: 10/20/21

SAMPLE RESULTS

Lab ID: L2155998-17

Date Collected: 10/13/21 15:00

Client ID: GRID T_0-2

Date Received: 10/13/21

Sample Location: Not Specified

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 81%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	2460		mg/kg	9.61	2.59	2	10/14/21 19:40	10/15/21 21:58	EPA 3050B	1,6010D	GD
Antimony, Total	ND		mg/kg	4.80	0.365	2	10/14/21 19:40	10/15/21 21:58	EPA 3050B	1,6010D	GD
Arsenic, Total	5.83		mg/kg	0.961	0.200	2	10/14/21 19:40	10/15/21 21:58	EPA 3050B	1,6010D	GD
Barium, Total	4.30		mg/kg	0.961	0.167	2	10/14/21 19:40	10/15/21 21:58	EPA 3050B	1,6010D	GD
Beryllium, Total	0.058	J	mg/kg	0.480	0.032	2	10/14/21 19:40	10/15/21 21:58	EPA 3050B	1,6010D	GD
Cadmium, Total	ND		mg/kg	0.961	0.094	2	10/14/21 19:40	10/15/21 21:58	EPA 3050B	1,6010D	GD
Calcium, Total	170		mg/kg	9.61	3.36	2	10/14/21 19:40	10/15/21 21:58	EPA 3050B	1,6010D	GD
Chromium, Total	4.04		mg/kg	0.961	0.092	2	10/14/21 19:40	10/15/21 21:58	EPA 3050B	1,6010D	GD
Cobalt, Total	1.34	J	mg/kg	1.92	0.160	2	10/14/21 19:40	10/15/21 21:58	EPA 3050B	1,6010D	GD
Copper, Total	4.08		mg/kg	0.961	0.248	2	10/14/21 19:40	10/15/21 21:58	EPA 3050B	1,6010D	GD
Iron, Total	4410		mg/kg	4.80	0.868	2	10/14/21 19:40	10/15/21 21:58	EPA 3050B	1,6010D	GD
Lead, Total	5.26		mg/kg	4.80	0.258	2	10/14/21 19:40	10/15/21 21:58	EPA 3050B	1,6010D	GD
Magnesium, Total	189		mg/kg	9.61	1.48	2	10/14/21 19:40	10/15/21 21:58	EPA 3050B	1,6010D	GD
Manganese, Total	43.4		mg/kg	0.961	0.153	2	10/14/21 19:40	10/15/21 21:58	EPA 3050B	1,6010D	GD
Mercury, Total	ND		mg/kg	0.098	0.064	1	10/14/21 20:21	10/18/21 08:48	EPA 7471B	1,7471B	AC
Nickel, Total	1.18	J	mg/kg	2.40	0.232	2	10/14/21 19:40	10/15/21 21:58	EPA 3050B	1,6010D	GD
Potassium, Total	65.5	J	mg/kg	240	13.8	2	10/14/21 19:40	10/15/21 21:58	EPA 3050B	1,6010D	GD
Selenium, Total	ND		mg/kg	1.92	0.248	2	10/14/21 19:40	10/15/21 21:58	EPA 3050B	1,6010D	GD
Silver, Total	ND		mg/kg	0.961	0.272	2	10/14/21 19:40	10/15/21 21:58	EPA 3050B	1,6010D	GD
Sodium, Total	12.9	J	mg/kg	94.3	1.48	1	10/16/21 06:00	10/17/21 19:27	EPA 3050B	1,6010D	DL
Thallium, Total	ND		mg/kg	1.92	0.303	2	10/14/21 19:40	10/15/21 21:58	EPA 3050B	1,6010D	GD
Vanadium, Total	5.38		mg/kg	0.961	0.195	2	10/14/21 19:40	10/15/21 21:58	EPA 3050B	1,6010D	GD
Zinc, Total	4.28	J	mg/kg	4.80	0.282	2	10/14/21 19:40	10/15/21 21:58	EPA 3050B	1,6010D	GD



Project Name: HKV2101

Lab Number: L2155998

Project Number: HKV2101

Report Date: 10/20/21

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01,03,05,07,09,11,13,15,17 Batch: WG1558704-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	10/14/21 19:40	10/15/21 18:40	1,6010D	GD
Antimony, Total	ND		mg/kg	2.00	0.152	1	10/14/21 19:40	10/15/21 18:40	1,6010D	GD
Arsenic, Total	ND		mg/kg	0.400	0.083	1	10/14/21 19:40	10/15/21 18:40	1,6010D	GD
Barium, Total	ND		mg/kg	0.400	0.070	1	10/14/21 19:40	10/15/21 18:40	1,6010D	GD
Beryllium, Total	ND		mg/kg	0.200	0.013	1	10/14/21 19:40	10/15/21 18:40	1,6010D	GD
Cadmium, Total	ND		mg/kg	0.400	0.039	1	10/14/21 19:40	10/15/21 18:40	1,6010D	GD
Calcium, Total	ND		mg/kg	4.00	1.40	1	10/14/21 19:40	10/15/21 18:40	1,6010D	GD
Chromium, Total	0.096	J	mg/kg	0.400	0.038	1	10/14/21 19:40	10/15/21 18:40	1,6010D	GD
Cobalt, Total	ND		mg/kg	0.800	0.066	1	10/14/21 19:40	10/15/21 18:40	1,6010D	GD
Copper, Total	ND		mg/kg	0.400	0.103	1	10/14/21 19:40	10/15/21 18:40	1,6010D	GD
Iron, Total	0.448	J	mg/kg	2.00	0.361	1	10/14/21 19:40	10/15/21 18:40	1,6010D	GD
Lead, Total	ND		mg/kg	2.00	0.107	1	10/14/21 19:40	10/15/21 18:40	1,6010D	GD
Magnesium, Total	ND		mg/kg	4.00	0.616	1	10/14/21 19:40	10/17/21 16:04	1,6010D	DL
Manganese, Total	ND		mg/kg	0.400	0.064	1	10/14/21 19:40	10/15/21 18:40	1,6010D	GD
Nickel, Total	ND		mg/kg	1.00	0.097	1	10/14/21 19:40	10/15/21 18:40	1,6010D	GD
Potassium, Total	7.42	J	mg/kg	100	5.76	1	10/14/21 19:40	10/15/21 18:40	1,6010D	GD
Selenium, Total	ND		mg/kg	0.800	0.103	1	10/14/21 19:40	10/15/21 18:40	1,6010D	GD
Silver, Total	ND		mg/kg	0.400	0.113	1	10/14/21 19:40	10/15/21 18:40	1,6010D	GD
Thallium, Total	ND		mg/kg	0.800	0.126	1	10/14/21 19:40	10/15/21 18:40	1,6010D	GD
Vanadium, Total	ND		mg/kg	0.400	0.081	1	10/14/21 19:40	10/15/21 18:40	1,6010D	GD
Zinc, Total	ND		mg/kg	2.00	0.117	1	10/14/21 19:40	10/15/21 18:40	1,6010D	GD

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01,03,05,07,09,11,13,15,17 Batch: WG1558705-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	10/14/21 20:21	10/18/21 07:24	1,7471B	AC

Project Name: HKV2101

Lab Number: L2155998

Project Number: HKV2101

Report Date: 10/20/21

Method Blank Analysis Batch Quality Control

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01,03,05,07,09,11,13,15,17 Batch: WG1559427-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	10/16/21 06:00	10/17/21 17:50	1,6010D	DL
Antimony, Total	ND		mg/kg	2.00	0.152	1	10/16/21 06:00	10/17/21 17:50	1,6010D	DL
Arsenic, Total	ND		mg/kg	0.400	0.083	1	10/16/21 06:00	10/17/21 17:50	1,6010D	DL
Barium, Total	ND		mg/kg	0.400	0.070	1	10/16/21 06:00	10/17/21 17:50	1,6010D	DL
Beryllium, Total	ND		mg/kg	0.200	0.013	1	10/16/21 06:00	10/17/21 17:50	1,6010D	DL
Cadmium, Total	ND		mg/kg	0.400	0.039	1	10/16/21 06:00	10/17/21 17:50	1,6010D	DL
Calcium, Total	ND		mg/kg	4.00	1.40	1	10/16/21 06:00	10/17/21 17:50	1,6010D	DL
Chromium, Total	0.088	J	mg/kg	0.400	0.038	1	10/16/21 06:00	10/17/21 17:50	1,6010D	DL
Cobalt, Total	ND		mg/kg	0.800	0.066	1	10/16/21 06:00	10/17/21 17:50	1,6010D	DL
Copper, Total	ND		mg/kg	0.400	0.103	1	10/16/21 06:00	10/17/21 17:50	1,6010D	DL
Iron, Total	1.98	J	mg/kg	2.00	0.361	1	10/16/21 06:00	10/17/21 17:50	1,6010D	DL
Lead, Total	ND		mg/kg	2.00	0.107	1	10/16/21 06:00	10/17/21 17:50	1,6010D	DL
Magnesium, Total	ND		mg/kg	4.00	0.616	1	10/16/21 06:00	10/17/21 17:50	1,6010D	DL
Manganese, Total	0.068	J	mg/kg	0.400	0.064	1	10/16/21 06:00	10/17/21 17:50	1,6010D	DL
Nickel, Total	ND		mg/kg	1.00	0.097	1	10/16/21 06:00	10/17/21 17:50	1,6010D	DL
Potassium, Total	ND		mg/kg	100	5.76	1	10/16/21 06:00	10/17/21 17:50	1,6010D	DL
Selenium, Total	ND		mg/kg	0.800	0.103	1	10/16/21 06:00	10/17/21 17:50	1,6010D	DL
Silver, Total	ND		mg/kg	0.400	0.113	1	10/16/21 06:00	10/17/21 17:50	1,6010D	DL
Sodium, Total	22.5	J	mg/kg	80.0	1.26	1	10/16/21 06:00	10/17/21 17:50	1,6010D	DL
Thallium, Total	ND		mg/kg	0.800	0.126	1	10/16/21 06:00	10/17/21 17:50	1,6010D	DL
Vanadium, Total	ND		mg/kg	0.400	0.081	1	10/16/21 06:00	10/17/21 17:50	1,6010D	DL
Zinc, Total	ND		mg/kg	2.00	0.117	1	10/16/21 06:00	10/17/21 17:50	1,6010D	DL

Prep Information

Digestion Method: EPA 3050B



Lab Control Sample Analysis

Batch Quality Control

Project Name: HKV2101

Project Number: HKV2101

Lab Number: L2155998

Report Date: 10/20/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01,03,05,07,09,11,13,15,17 Batch: WG1558704-2 SRM Lot Number: D109-540								
Aluminum, Total	71		-		50-150	-		
Antimony, Total	129		-		19-250	-		
Arsenic, Total	102		-		70-130	-		
Barium, Total	98		-		75-125	-		
Beryllium, Total	95		-		75-125	-		
Cadmium, Total	98		-		75-125	-		
Calcium, Total	92		-		73-128	-		
Chromium, Total	99		-		70-130	-		
Cobalt, Total	99		-		75-125	-		
Copper, Total	98		-		75-125	-		
Iron, Total	96		-		35-165	-		
Lead, Total	99		-		72-128	-		
Magnesium, Total	90		-		62-138	-		
Manganese, Total	92		-		74-126	-		
Nickel, Total	99		-		70-130	-		
Potassium, Total	90		-		59-141	-		
Selenium, Total	102		-		68-132	-		
Silver, Total	102		-		68-131	-		
Thallium, Total	98		-		68-131	-		
Vanadium, Total	102		-		59-141	-		
Zinc, Total	99		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: HKV2101

Project Number: HKV2101

Lab Number: L2155998

Report Date: 10/20/21

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01,03,05,07,09,11,13,15,17 Batch: WG1558705-2 SRM Lot Number: D109-540					
Mercury, Total	104	-	60-140	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: HKV2101

Project Number: HKV2101

Lab Number: L2155998

Report Date: 10/20/21

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01,03,05,07,09,11,13,15,17 Batch: WG1559427-2 SRM Lot Number: D109-540					
Aluminum, Total	70	-	50-150	-	
Antimony, Total	128	-	19-250	-	
Arsenic, Total	104	-	70-130	-	
Barium, Total	101	-	75-125	-	
Beryllium, Total	96	-	75-125	-	
Cadmium, Total	103	-	75-125	-	
Calcium, Total	96	-	73-128	-	
Chromium, Total	106	-	70-130	-	
Cobalt, Total	103	-	75-125	-	
Copper, Total	104	-	75-125	-	
Iron, Total	96	-	35-165	-	
Lead, Total	100	-	72-128	-	
Magnesium, Total	90	-	62-138	-	
Manganese, Total	94	-	74-126	-	
Nickel, Total	102	-	70-130	-	
Potassium, Total	90	-	59-141	-	
Selenium, Total	103	-	68-132	-	
Silver, Total	107	-	68-131	-	
Sodium, Total	123	-	35-165	-	
Thallium, Total	104	-	68-131	-	
Vanadium, Total	108	-	59-141	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: HKV2101

Project Number: HKV2101

Lab Number: L2155998

Report Date: 10/20/21

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01,03,05,07,09,11,13,15,17 Batch: WG1559427-2 SRM Lot Number: D109-540					
Zinc, Total	100	-	70-130	-	

Matrix Spike Analysis

Batch Quality Control

Project Name: HKV2101

Project Number: HKV2101

Lab Number: L2155998

Report Date: 10/20/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01,03,05,07,09,11,13,15,17 QC Batch ID: WG1558704-3 QC Sample: L2155833-01 Client ID: MS Sample												
Aluminum, Total	4640	171	3850	0	Q	-	-		75-125	-		20
Antimony, Total	1.90J	42.8	38.9	91		-	-		75-125	-		20
Arsenic, Total	6.94	10.3	14.9	77		-	-		75-125	-		20
Barium, Total	165	171	255	52	Q	-	-		75-125	-		20
Beryllium, Total	0.310J	4.28	4.65	108		-	-		75-125	-		20
Cadmium, Total	1.51	4.54	5.00	77		-	-		75-125	-		20
Calcium, Total	5900	857	16000	1180	Q	-	-		75-125	-		20
Chromium, Total	14.5	17.1	26.6	70	Q	-	-		75-125	-		20
Cobalt, Total	5.37	42.8	45.5	94		-	-		75-125	-		20
Copper, Total	104	21.4	154	233	Q	-	-		75-125	-		20
Iron, Total	13000	85.7	12800	0	Q	-	-		75-125	-		20
Lead, Total	561	45.4	444	0	Q	-	-		75-125	-		20
Magnesium, Total	2200	857	8780	768	Q	-	-		75-125	-		20
Manganese, Total	186	42.8	198	28	Q	-	-		75-125	-		20
Nickel, Total	18.3	42.8	56.2	88		-	-		75-125	-		20
Potassium, Total	775	857	1590	95		-	-		75-125	-		20
Selenium, Total	0.474J	10.3	10.2	99		-	-		75-125	-		20
Silver, Total	0.327J	25.7	26.3	102		-	-		75-125	-		20
Thallium, Total	ND	10.3	9.02	88		-	-		75-125	-		20
Vanadium, Total	21.9	42.8	55.9	79		-	-		75-125	-		20
Zinc, Total	326	42.8	919	1380	Q	-	-		75-125	-		20

Matrix Spike Analysis

Batch Quality Control

Project Name: HKV2101

Lab Number: L2155998

Project Number: HKV2101

Report Date: 10/20/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01,03,05,07,09,11,13,15,17 QC Batch ID: WG1558705-3 QC Sample: L2155833-01 Client ID: MS Sample									
Mercury, Total	0.299	0.154	0.269	0	Q	-	80-120	-	20

Matrix Spike Analysis **Batch Quality Control**

Project Name: HKV2101

Project Number: HKV2101

Lab Number: L2155998

Report Date: 10/20/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01,03,05,07,09,11,13,15,17 QC Batch ID: WG1559427-3 QC Sample: L2155833-01 Client ID: MS Sample									
Aluminum, Total	3640	170	4490	500	Q	-	75-125	-	20
Antimony, Total	1.92J	42.4	33.4	79		-	75-125	-	20
Arsenic, Total	6.12	10.2	15.4	91		-	75-125	-	20
Barium, Total	121	170	270	88		-	75-125	-	20
Beryllium, Total	0.248	4.24	3.52	77		-	75-125	-	20
Cadmium, Total	1.23	4.5	4.61	75		-	75-125	-	20
Calcium, Total	5570	849	10000	522	Q	-	75-125	-	20
Chromium, Total	14.6	17	28.1	80		-	75-125	-	20
Cobalt, Total	4.58	42.4	35.8	74	Q	-	75-125	-	20
Copper, Total	100	21.2	110	47	Q	-	75-125	-	20
Iron, Total	18100	84.9	12800	0	Q	-	75-125	-	20
Lead, Total	402	45	454	116		-	75-125	-	20
Magnesium, Total	2150	849	4880	322	Q	-	75-125	-	20
Manganese, Total	177	42.4	199	52	Q	-	75-125	-	20
Nickel, Total	12.8	42.4	44.9	76		-	75-125	-	20
Potassium, Total	622	849	1460	99		-	75-125	-	20
Selenium, Total	0.534J	10.2	8.85	87		-	75-125	-	20
Silver, Total	0.153J	25.5	23.6	93		-	75-125	-	20
Sodium, Total	92.8	849	859	90		-	75-125	-	20
Thallium, Total	ND	10.2	7.22	71	Q	-	75-125	-	20
Vanadium, Total	19.7	42.4	57.9	90		-	75-125	-	20

Matrix Spike Analysis Batch Quality Control

Project Name: HKV2101

Lab Number: L2155998

Project Number: HKV2101

Report Date: 10/20/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01,03,05,07,09,11,13,15,17 QC Batch ID: WG1559427-3 QC Sample: L2155833-01 Client ID: MS Sample									
Zinc, Total	291	42.4	280	0	Q	-	-	75-125	- 20

Lab Duplicate Analysis

Batch Quality Control

Project Name: HKV2101

Project Number: HKV2101

Lab Number: L2155998

Report Date: 10/20/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
- Associated sample(s): 01,03,05,07,09,11,13,15,17 QC Batch ID: WG1558704-4 QC Sample: L2155833-01 Client ID: DUP Sample						
Aluminum, Total	4640	3800	mg/kg	20		20
Antimony, Total	1.90J	1.83J	mg/kg	NC		20
Arsenic, Total	6.94	5.92	mg/kg	16		20
Barium, Total	165	161	mg/kg	2		20
Beryllium, Total	0.310J	0.359J	mg/kg	NC		20
Cadmium, Total	1.51	1.27	mg/kg	17		20
Calcium, Total	5900	5590	mg/kg	5		20
Chromium, Total	14.5	21.2	mg/kg	38	Q	20
Cobalt, Total	5.37	6.82	mg/kg	24	Q	20
Copper, Total	104	121	mg/kg	15		20
Iron, Total	13000	20300	mg/kg	44	Q	20
Lead, Total	561	441	mg/kg	24	Q	20
Manganese, Total	186	215	mg/kg	14		20
Nickel, Total	18.3	16.7	mg/kg	9		20
Potassium, Total	775	644	mg/kg	18		20
Selenium, Total	0.474J	0.248J	mg/kg	NC		20
Silver, Total	0.327J	ND	mg/kg	NC		20
Thallium, Total	ND	ND	mg/kg	NC		20
Vanadium, Total	21.9	18.2	mg/kg	18		20

Lab Duplicate Analysis *Batch Quality Control*

Project Name: HKV2101

Project Number: HKV2101

Lab Number: L2155998

Report Date: 10/20/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
- Associated sample(s): 01,03,05,07,09,11,13,15,17 QC Batch ID: WG1558704-4 QC Sample: L2155833-01 Client ID: DUP Sample					
Zinc, Total	326	619	mg/kg	62	Q 20
- Associated sample(s): 01,03,05,07,09,11,13,15,17 QC Batch ID: WG1558704-4 QC Sample: L2155833-01 Client ID: DUP Sample					
Magnesium, Total	2200	2510	mg/kg	13	20
- Associated sample(s): 01,03,05,07,09,11,13,15,17 QC Batch ID: WG1558705-4 QC Sample: L2155833-01 Client ID: DUP Sample					
Mercury, Total	0.299	0.142	mg/kg	71	Q 20
- Associated sample(s): 01,03,05,07,09,11,13,15,17 QC Batch ID: WG1559427-4 QC Sample: L2155833-01 Client ID: DUP Sample					
Sodium, Total	92.8	119	mg/kg	25	Q 20

Project Name: HKV2101
Project Number: HKV2101

**Lab Serial Dilution
Analysis
Batch Quality Control**

Lab Number: L2155998
Report Date: 10/20/21

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01,03,05,07,09,11,13,15,17 QC Batch ID: WG1558704-6 QC Sample: L2155833-01 Client ID: DUP Sample						
Aluminum, Total	4640	4910	mg/kg	6		20
Barium, Total	165	172	mg/kg	4		20
Calcium, Total	5900	6270	mg/kg	6		20
Copper, Total	104	106	mg/kg	2		20
Iron, Total	13000	13900	mg/kg	7		20
Lead, Total	561	572	mg/kg	2		20
Manganese, Total	186	198	mg/kg	6		20
Vanadium, Total	21.9	22.6	mg/kg	3		20
Zinc, Total	326	335	mg/kg	3		20
Total Metals - Mansfield Lab Associated sample(s): 01,03,05,07,09,11,13,15,17 QC Batch ID: WG1558704-6 QC Sample: L2155833-01 Client ID: DUP Sample						
Magnesium, Total	2200	2320	mg/kg	5		20

INORGANICS & MISCELLANEOUS

Project Name: HKV2101**Project Number:** HKV2101**Lab Number:** L2155998**Report Date:** 10/20/21**SAMPLE RESULTS****Lab ID:** L2155998-01**Client ID:** GRID A_0-2**Sample Location:** Not Specified**Date Collected:** 10/13/21 09:35**Date Received:** 10/13/21**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83.1		%	0.100	NA	1	-	10/14/21 10:37	121,2540G	RI



Project Name: HKV2101

Project Number: HKV2101

Lab Number: L2155998

Report Date: 10/20/21

SAMPLE RESULTS

Lab ID: L2155998-03

Client ID: GRID B_0-2

Sample Location: Not Specified

Date Collected: 10/13/21 10:45

Date Received: 10/13/21

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	72.7		%	0.100	NA	1	-	10/14/21 10:37	121,2540G	RI



Project Name: HKV2101

Project Number: HKV2101

Lab Number: L2155998

Report Date: 10/20/21

SAMPLE RESULTS

Lab ID: L2155998-05

Client ID: GRID C_0-2

Sample Location: Not Specified

Date Collected: 10/13/21 13:00

Date Received: 10/13/21

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.8		%	0.100	NA	1	-	10/14/21 10:37	121,2540G	RI



Project Name: HKV2101**Project Number:** HKV2101**Lab Number:** L2155998**Report Date:** 10/20/21**SAMPLE RESULTS****Lab ID:** L2155998-07**Client ID:** GRID D_0-2**Sample Location:** Not Specified**Date Collected:** 10/13/21 14:30**Date Received:** 10/13/21**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	79.3		%	0.100	NA	1	-	10/14/21 10:37	121,2540G	RI



Project Name: HKV2101**Project Number:** HKV2101**Lab Number:** L2155998**Report Date:** 10/20/21**SAMPLE RESULTS****Lab ID:** L2155998-09**Client ID:** GRID P_0-2**Sample Location:** Not Specified**Date Collected:** 10/13/21 08:26**Date Received:** 10/13/21**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.4		%	0.100	NA	1	-	10/14/21 10:37	121,2540G	RI



Project Name: HKV2101**Project Number:** HKV2101**Lab Number:** L2155998**Report Date:** 10/20/21**SAMPLE RESULTS****Lab ID:** L2155998-11**Client ID:** GRID Q_0-2**Sample Location:** Not Specified**Date Collected:** 10/13/21 10:20**Date Received:** 10/13/21**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	77.7		%	0.100	NA	1	-	10/14/21 10:37	121,2540G	RI



Project Name: HKV2101

Project Number: HKV2101

Lab Number: L2155998

Report Date: 10/20/21

SAMPLE RESULTS

Lab ID: L2155998-13

Client ID: GRID R_0-2

Sample Location: Not Specified

Date Collected: 10/13/21 11:30

Date Received: 10/13/21

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	94.1		%	0.100	NA	1	-	10/14/21 10:37	121,2540G	RI



Project Name: HKV2101

Project Number: HKV2101

Lab Number: L2155998

Report Date: 10/20/21

SAMPLE RESULTS

Lab ID: L2155998-15

Client ID: GRID S_0-2

Sample Location: Not Specified

Date Collected: 10/13/21 13:40

Date Received: 10/13/21

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	92.9		%	0.100	NA	1	-	10/14/21 10:37	121,2540G	RI



Project Name: HKV2101**Project Number:** HKV2101**Lab Number:** L2155998**Report Date:** 10/20/21**SAMPLE RESULTS****Lab ID:** L2155998-17**Client ID:** GRID T_0-2**Sample Location:** Not Specified**Date Collected:** 10/13/21 15:00**Date Received:** 10/13/21**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	80.8		%	0.100	NA	1	-	10/14/21 10:37	121,2540G	RI



Lab Duplicate Analysis
*Batch Quality Control***Project Name:** HKV2101**Project Number:** HKV2101**Lab Number:** L2155998**Report Date:** 10/20/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01,03,05,07,09,11,13,15,17 QC Batch ID: WG1558567-1 QC Sample: L2155889-32 Client ID: DUP Sample						
Solids, Total	41.9	42.0	%	0		20

Project Name: HKV2101**Lab Number:** L2155998**Project Number:** HKV2101**Report Date:** 10/20/21**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2155998-01A	Vial MeOH preserved	A	NA		5.5	Y	Absent		NYTCL-8260HLW(14)
L2155998-01B	Vial water preserved	A	NA		5.5	Y	Absent	14-OCT-21 08:22	NYTCL-8260HLW(14)
L2155998-01C	Vial water preserved	A	NA		5.5	Y	Absent	14-OCT-21 08:22	NYTCL-8260HLW(14)
L2155998-01D	Metals Only-Glass 60mL/2oz unpreserved	A	NA		5.5	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),TL-TI(180),CR-TI(180),NI-TI(180),AL-TI(180),SE-TI(180),CU-TI(180),SB-TI(180),ZN-TI(180),PB-TI(180),CO-TI(180),V-TI(180),FE-TI(180),MG-TI(180),HG-T(28),MN-TI(180),NA-TI(180),CA-TI(180),CD-TI(180),K-TI(180)
L2155998-01E	Glass 60mL/2oz unpreserved	A	NA		5.5	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365)
L2155998-01F	Glass 60mL/2oz unpreserved	A	NA		5.5	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365)
L2155998-01G	Plastic 120ml unpreserved	A	NA		5.5	Y	Absent		TS(7)
L2155998-01H	Glass 120ml/4oz unpreserved	A	NA		5.5	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365)
L2155998-01J	Glass 500ml/16oz unpreserved	A	NA		5.5	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365)
L2155998-02A	Vial MeOH preserved	A	NA		5.5	Y	Absent		HOLD-8260HLW(14)
L2155998-02B	Vial water preserved	A	NA		5.5	Y	Absent	14-OCT-21 08:22	HOLD-8260HLW(14)
L2155998-02C	Vial water preserved	A	NA		5.5	Y	Absent	14-OCT-21 08:22	HOLD-8260HLW(14)
L2155998-02D	Metals Only-Glass 60mL/2oz unpreserved	A	NA		5.5	Y	Absent		HOLD-METAL(180)
L2155998-02E	Glass 60mL/2oz unpreserved	A	NA		5.5	Y	Absent		HOLD-8151(14),HOLD-8270(14),HOLD-8081(14),HOLD-8082(14)
L2155998-02F	Glass 60mL/2oz unpreserved	A	NA		5.5	Y	Absent		HOLD-8151(14),HOLD-8270(14),HOLD-8081(14),HOLD-8082(14)
L2155998-02G	Plastic 120ml unpreserved	A	NA		5.5	Y	Absent		HOLD-WETCHEM()
L2155998-02H	Glass 120ml/4oz unpreserved	A	NA		5.5	Y	Absent		HOLD-8151(14),HOLD-8270(14),HOLD-8081(14),HOLD-8082(14)
L2155998-02J	Glass 500ml/16oz unpreserved	A	NA		5.5	Y	Absent		HOLD-8151(14),HOLD-8270(14),HOLD-8081(14),HOLD-8082(14)

Project Name: HKV2101**Lab Number:** L2155998**Project Number:** HKV2101**Report Date:** 10/20/21**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2155998-03A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		5.5	Y	Absent		BE-Ti(180),BA-Ti(180),AS-Ti(180),AG-Ti(180),CR-Ti(180),AL-Ti(180),TL-Ti(180),NI-Ti(180),CU-Ti(180),ZN-Ti(180),SE-Ti(180),PB-Ti(180),SB-Ti(180),V-Ti(180),CO-Ti(180),HG-T(28),MG-Ti(180),FE-Ti(180),MN-Ti(180),NA-Ti(180),CD-Ti(180),K-Ti(180),CA-Ti(180)
L2155998-03B	Glass 60mL/2oz unpreserved	A	NA		5.5	Y	Absent		TS(7),NYTCL-8081(14)
L2155998-04A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		5.5	Y	Absent		HOLD-METAL(180)
L2155998-04B	Glass 60mL/2oz unpreserved	A	NA		5.5	Y	Absent		HOLD-8081(14)
L2155998-05A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		5.5	Y	Absent		BE-Ti(180),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),NI-Ti(180),CR-Ti(180),TL-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),CU-Ti(180),ZN-Ti(180),CO-Ti(180),V-Ti(180),FE-Ti(180),MG-Ti(180),HG-T(28),MN-Ti(180),K-Ti(180),NA-Ti(180),CA-Ti(180),CD-Ti(180)
L2155998-05B	Glass 60mL/2oz unpreserved	A	NA		5.5	Y	Absent		TS(7),NYTCL-8081(14)
L2155998-06A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		5.5	Y	Absent		HOLD-METAL(180)
L2155998-06B	Glass 60mL/2oz unpreserved	A	NA		5.5	Y	Absent		HOLD-8081(14)
L2155998-07A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		5.5	Y	Absent		BE-Ti(180),AS-Ti(180),BA-Ti(180),AG-Ti(180),NI-Ti(180),TL-Ti(180),CR-Ti(180),AL-Ti(180),CU-Ti(180),SE-Ti(180),ZN-Ti(180),SB-Ti(180),PB-Ti(180),CO-Ti(180),V-Ti(180),HG-T(28),MN-Ti(180),MG-Ti(180),FE-Ti(180),NA-Ti(180),CD-Ti(180),K-Ti(180),CA-Ti(180)
L2155998-07B	Glass 60mL/2oz unpreserved	A	NA		5.5	Y	Absent		TS(7),NYTCL-8081(14)
L2155998-08A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		5.5	Y	Absent		HOLD-METAL(180)
L2155998-08B	Glass 60mL/2oz unpreserved	A	NA		5.5	Y	Absent		HOLD-8081(14)
L2155998-09A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		5.5	Y	Absent		BE-Ti(180),AS-Ti(180),BA-Ti(180),AG-Ti(180),TL-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),ZN-Ti(180),SB-Ti(180),SE-Ti(180),CU-Ti(180),PB-Ti(180),CO-Ti(180),V-Ti(180),MN-Ti(180),HG-T(28),FE-Ti(180),MG-Ti(180),NA-Ti(180),CA-Ti(180),K-Ti(180),CD-Ti(180)
L2155998-09B	Glass 60mL/2oz unpreserved	A	NA		5.5	Y	Absent		TS(7),NYTCL-8081(14)
L2155998-10A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		5.5	Y	Absent		HOLD-METAL(180)
L2155998-10B	Glass 60mL/2oz unpreserved	A	NA		5.5	Y	Absent		HOLD-8081(14)

Project Name: HKV2101**Lab Number:** L2155998**Project Number:** HKV2101**Report Date:** 10/20/21**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2155998-11A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		5.5	Y	Absent		BE-Ti(180),AS-Ti(180),BA-Ti(180),AG-Ti(180),NI-Ti(180),TL-Ti(180),AL-Ti(180),CR-Ti(180),ZN-Ti(180),SE-Ti(180),PB-Ti(180),SB-Ti(180),CU-Ti(180),V-Ti(180),CO-Ti(180),FE-Ti(180),MG-Ti(180),MN-Ti(180),HG-T(28),CD-Ti(180),NA-Ti(180),CA-Ti(180),K-Ti(180)
L2155998-11B	Glass 60mL/2oz unpreserved	A	NA		5.5	Y	Absent		TS(7),NYTCL-8081(14)
L2155998-12A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		5.5	Y	Absent		HOLD-METAL(180)
L2155998-12B	Glass 60mL/2oz unpreserved	A	NA		5.5	Y	Absent		HOLD-8081(14)
L2155998-13A	Vial MeOH preserved	A	NA		5.5	Y	Absent		NYTCL-8260HLW(14)
L2155998-13B	Vial water preserved	A	NA		5.5	Y	Absent	14-OCT-21 08:22	NYTCL-8260HLW(14)
L2155998-13C	Vial water preserved	A	NA		5.5	Y	Absent	14-OCT-21 08:22	NYTCL-8260HLW(14)
L2155998-13D	Metals Only-Glass 60mL/2oz unpreserved	A	NA		5.5	Y	Absent		BE-Ti(180),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),NI-Ti(180),TL-Ti(180),CR-Ti(180),CU-Ti(180),SB-Ti(180),ZN-Ti(180),SE-Ti(180),PB-Ti(180),V-Ti(180),CO-Ti(180),MG-Ti(180),MN-Ti(180),HG-T(28),FE-Ti(180),CD-Ti(180),CA-Ti(180),K-Ti(180),NA-Ti(180)
L2155998-13E	Glass 60mL/2oz unpreserved	A	NA		5.5	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365)
L2155998-13F	Glass 60mL/2oz unpreserved	A	NA		5.5	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365)
L2155998-13G	Plastic 120ml unpreserved	A	NA		5.5	Y	Absent		TS(7)
L2155998-13H	Glass 120ml/4oz unpreserved	A	NA		5.5	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365)
L2155998-13J	Glass 500ml/16oz unpreserved	A	NA		5.5	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365)
L2155998-14A	Vial MeOH preserved	A	NA		5.5	Y	Absent		HOLD-8260HLW(14)
L2155998-14B	Vial water preserved	A	NA		5.5	Y	Absent	14-OCT-21 08:22	HOLD-8260HLW(14)
L2155998-14C	Vial water preserved	A	NA		5.5	Y	Absent	14-OCT-21 08:22	HOLD-8260HLW(14)
L2155998-14D	Metals Only-Glass 60mL/2oz unpreserved	A	NA		5.5	Y	Absent		HOLD-METAL(180)
L2155998-14E	Glass 60mL/2oz unpreserved	A	NA		5.5	Y	Absent		HOLD-8151(14),HOLD-8081(14),HOLD-8270(14),HOLD-8082(14)
L2155998-14F	Glass 60mL/2oz unpreserved	A	NA		5.5	Y	Absent		HOLD-8151(14),HOLD-8081(14),HOLD-8270(14),HOLD-8082(14)
L2155998-14G	Plastic 120ml unpreserved	A	NA		5.5	Y	Absent		HOLD-WETCHEM()
L2155998-14H	Glass 120ml/4oz unpreserved	A	NA		5.5	Y	Absent		HOLD-8151(14),HOLD-8081(14),HOLD-8270(14),HOLD-8082(14)

Project Name: HKV2101
Project Number: HKV2101

Serial_No: 10202116:10
Lab Number: L2155998
Report Date: 10/20/21

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2155998-14J	Glass 500ml/16oz unpreserved	A	NA		5.5	Y	Absent		HOLD-8151(14),HOLD-8081(14),HOLD-8270(14),HOLD-8082(14)
L2155998-15A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		5.5	Y	Absent		BE-Ti(180),AS-Ti(180),BA-Ti(180),AG-Ti(180),CR-Ti(180),TL-Ti(180),AL-Ti(180),NI-Ti(180),PB-Ti(180),ZN-Ti(180),SE-Ti(180),SB-Ti(180),CU-Ti(180),V-Ti(180),CO-Ti(180),MN-Ti(180),FE-Ti(180),MG-Ti(180),HG-T(28),CD-Ti(180),NA-Ti(180),K-Ti(180),CA-Ti(180)
L2155998-15B	Glass 60mL/2oz unpreserved	A	NA		5.5	Y	Absent		TS(7),NYTCL-8081(14)
L2155998-16A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		5.5	Y	Absent		HOLD-METAL(180)
L2155998-16B	Glass 60mL/2oz unpreserved	A	NA		5.5	Y	Absent		HOLD-8081(14)
L2155998-17A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		5.5	Y	Absent		BE-Ti(180),AS-Ti(180),BA-Ti(180),AG-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),AL-Ti(180),CU-Ti(180),SE-Ti(180),SB-Ti(180),ZN-Ti(180),PB-Ti(180),CO-Ti(180),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),NA-Ti(180),CA-Ti(180),K-Ti(180),CD-Ti(180)
L2155998-17B	Glass 60mL/2oz unpreserved	A	NA		5.5	Y	Absent		TS(7),NYTCL-8081(14)
L2155998-18A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		5.5	Y	Absent		HOLD-METAL(180)
L2155998-18B	Glass 60mL/2oz unpreserved	A	NA		5.5	Y	Absent		HOLD-8081(14)

Project Name: HKV2101
Project Number: HKV2101

Lab Number: L2155998
Report Date: 10/20/21

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers



Project Name: HKV2101**Lab Number:** L2155998**Project Number:** HKV2101**Report Date:** 10/20/21**Footnotes**

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers



Project Name: HKV2101**Lab Number:** L2155998**Project Number:** HKV2101**Report Date:** 10/20/21**Data Qualifiers**

- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- V** - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)
- Z** - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Project Name: HKV2101**Lab Number:** L2155998**Project Number:** HKV2101**Report Date:** 10/20/21

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Alpha Analytical, Inc.Facility: **Company-wide**Department: **Quality Assurance**Title: **Certificate/Approval Program Summary**ID No.: **17873**

Revision 19

Published Date: 4/2/2021 1:14:23 PM

Page 1 of 1

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility**EPA 624/624.1:** m/p-xylene, o-xylene, Naphthalene**EPA 625/625.1:** alpha-Terpineol**EPA 8260C/8260D:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270D/8270E:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.**Mansfield Facility****SM 2540D:** TSS**EPA 8082A:** NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:**Drinking Water****EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,****EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B****EPA 332:** Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.****Non-Potable Water****SM4500H-B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:**Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,****SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.**EPA 624.1:** Volatile Halocarbons & Aromatics,**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II,

Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.****Mansfield Facility:****Drinking Water****EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1 Hg.****EPA 522, EPA 537.1.****Non-Potable Water****EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.**EPA 245.1 Hg.****SM2340B**

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

 NEW YORK CHAIN OF CUSTODY Westborough, MA 01581 8 Walkup Dr. TEL: 508-896-9220 FAX: 508-898-9193 Mansfield, MA 02048 320 Forbes Blvd TEL: 508-822-9300 FAX: 508-822-3288		Service Centers Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105		Page 1 of 2		Date Rec'd in Lab 10/14/21		ALPHA Job # L2155998																																																																																																																																														
		Project Information Project Name: <u>Huck 2101</u> Project Location: Project # (Use Project name as Project #) ☐ Project Manager: <u>Thomas Melia</u> ALPHAQuote #: Turn-Around Time: Standard ☒ Due Date: Rush (only if pre approved) ☐ # of Days:		Deliverables ☐ ASP-A ☐ ASP-B ☐ EQUIS (1 File) ☐ EQUIS (4 File) ☐ Other		Billing Information ☒ Same as Client Info PO #																																																																																																																																																
Client Information Client: <u>PWGL</u> Address: <u>630 Johnson Ave, Bohemia, NY 11716</u> Phone: <u>631-584-6353</u> Fax: Email: <u>Thomas.Melia@pwgrosser.com</u>		Regulatory Requirement ☐ NY TOGS ☐ NY Part 375 ☐ AWQ Standards ☐ NY CP-51 ☐ NY Restricted Use ☐ Other ☒ NY Unrestricted Use ☐ NYC Sewer Discharge		Disposal Site Information Please identify below location of applicable disposal facilities. Disposal Facility: ☐ NJ ☐ NY ☐ Other:																																																																																																																																																		
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<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">ALPHA Lab ID (Lab Use Only)</th> <th rowspan="2">Sample ID</th> <th colspan="2">Collection</th> <th rowspan="2">Sample Matrix</th> <th rowspan="2">Sampler's Initials</th> <th rowspan="2">Pesticides</th> <th rowspan="2">TAL metals</th> <th rowspan="2">VOC</th> <th rowspan="2">SVOC</th> <th rowspan="2">Herbicides</th> <th rowspan="2">PCBs</th> <th rowspan="2">Sample Specific Comments</th> </tr> <tr> <th>Date</th> <th>Time</th> </tr> </thead> <tbody> <tr> <td>55998 -01</td> <td>Grid A-0-2</td> <td>10/13/21</td> <td>935</td> <td>S</td> <td>WH</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td></td> </tr> <tr> <td>-02</td> <td>Grid A-18-24</td> <td></td> <td>935</td> <td></td> <td></td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>HOLD</td> </tr> <tr> <td>-03</td> <td>Grid B-0-2</td> <td></td> <td>1045</td> <td></td> <td></td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td></td> </tr> <tr> <td>-04</td> <td>Grid B-18-24</td> <td></td> <td>1045</td> <td></td> <td></td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>HOLD</td> </tr> <tr> <td>-05</td> <td>Grid C-0-2</td> <td></td> <td>1300</td> <td></td> <td></td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td></td> </tr> <tr> <td>-06</td> <td>Grid C-18-24</td> <td></td> <td>1300</td> <td></td> <td></td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>HOLD</td> </tr> <tr> <td>-07</td> <td>Grid D-0-2</td> <td></td> <td>1430</td> <td></td> <td></td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td></td> </tr> <tr> <td>-08</td> <td>Grid D-18-24</td> <td></td> <td>1430</td> <td></td> <td></td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>HOLD</td> </tr> <tr> <td>-09</td> <td>Grid P-0-2</td> <td></td> <td>826</td> <td></td> <td></td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td></td> </tr> <tr> <td>-10</td> <td>Grid P-18-24</td> <td></td> <td>826</td> <td></td> <td></td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>HOLD</td> </tr> </tbody> </table>		ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials	Pesticides	TAL metals	VOC	SVOC	Herbicides	PCBs	Sample Specific Comments	Date	Time	55998 -01	Grid A-0-2	10/13/21	935	S	WH	X	X	X	X	X	X		-02	Grid A-18-24		935			X	X	X	X	X	X	HOLD	-03	Grid B-0-2		1045			X	X	X	X	X	X		-04	Grid B-18-24		1045			X	X	X	X	X	X	HOLD	-05	Grid C-0-2		1300			X	X	X	X	X	X		-06	Grid C-18-24		1300			X	X	X	X	X	X	HOLD	-07	Grid D-0-2		1430			X	X	X	X	X	X		-08	Grid D-18-24		1430			X	X	X	X	X	X	HOLD	-09	Grid P-0-2		826			X	X	X	X	X	X		-10	Grid P-18-24		826			X	X	X	X	X	X	HOLD	Relinquished By: <u>William Hume</u> Date/Time: <u>10-13-21/16:00</u> <u>10/13/21</u> <u>10/13/21/19:15</u> <u>10/14/21/03:00</u>		Received By: <u>John Bures</u> Date/Time: <u>10/13/21/16:00</u> <u>10/13/21/20:30</u> <u>10/14/21/03:00</u>	
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Preservative Code: A = None B = HCl C = HNO ₃ D = H ₂ SO ₄ E = NaOH F = MeOH G = NaHSO ₄ H = Na ₂ S ₂ O ₃ K/E = Zn Ac/NaOH O = Other Container Code: P = Plastic A = Amber Glass V = Vial G = Glass B = Bacteria Cup C = Cube O = Other E = Encore D = BOD Bottle Westboro: Certification No: MA935 Mansfield: Certification No: MA015 Container Type Preservative		Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)																																																																																																																																																				

 NEW YORK CHAIN OF CUSTODY		Service Centers Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105		Page 2 of 2		Date Rec'd in Lab 10/14/21		ALPHA Job # L2155998	
Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193		Mansfield, MA 02048 320 Forbes Blvd TEL: 508-822-9300 FAX: 508-822-3288		Project Information Project Name: HKV2101 Project Location: Project # (Use Project name as Project #) ☐		Deliverables ☐ ASP-A ☐ ASP-B ☐ EQuIS (1 File) ☐ EQuIS (4 File) ☐ Other		Billing Information ☒ Same as Client Info PO #	
Client Information Client: PuGC Address: 630 Johnson Ave Belmont, NY 11716 Phone: 631 989 6353 Fax: Email: Thomas.M@Pungass.com		Project Manager: Thomas McIlroy ALPHAQuote #: Turn-Around Time Standard ☒ Due Date: Rush (only if pre approved) ☐ # of Days:		Regulatory Requirement ☐ NY TOGS ☐ NY Part 375 ☐ AWQ Standards ☐ NY CP-51 ☐ NY Restricted Use ☐ Other ☒ NY Unrestricted Use ☐ NYC Sewer Discharge		Disposal Site Information Please identify below location of applicable disposal facilities. Disposal Facility: ☐ NJ ☐ NY ☐ Other:			
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Please specify Metals or TAL.				Postmetals TAL Metals VOC SUOL Herbicides PCB's		Sample Specific Comments		Total Bottles	
ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date Time		Sample Matrix	Sampler's Initials				
55998-401	Grid Q-0-2	10/13/21	10:20	S	JL	X	X		
-12-02	Grid Q-18-24		10:20		JL	X	X	X	hold
-13-03	Grid R-0-2		11:30		JL	X	X	X	
-14-04	Grid R-18-24		11:30		JL	X	X	X	hold
-15-05	Grid S-0-2		13:40		JL	X	X	X	
-16-06	Grid S-18-24		13:40		JL	X	X	X	hold
-17-07	Grid T-0-2		15:00		JL	X	X	X	
-18	Grid T-18-24		15:00		JL	X	X	X	hold
Preservative Code:		Container Code		Westboro: Certification No: MA935		Container Type			
A = None		P = Plastic		Mansfield: Certification No: MA015		Preservative			
B = HCl		A = Amber Glass							
C = HNO ₃		V = Vial							
D = H ₂ SO ₄		G = Glass							
E = NaOH		B = Bacteria Cup							
F = MeOH		C = Cube							
G = NaHSO ₄		O = Other							
H = Na ₂ S ₂ O ₃		E = Encore							
K/E = Zn Ac/NaOH		D = BOD Bottle							
O = Other									
Form No: 01-25 HC (rev. 30-Sept-2013)		Relinquished By:		Date/Time		Received By:		Date/Time	
		[Signature]		10/13/21 16:00		[Signature]		10/13/21 12:00	
		[Signature]		10/19/21 17:15		[Signature]		10/13/21 20:00	
		[Signature]		10/14/21 03:00		[Signature]		10/14/21 03:00	



ANALYTICAL REPORT

Lab Number:	L2156337
Client:	P. W. Grosser 630 Johnson Avenue Suite 7 Bohemia, NY 11716
ATTN:	Thomas Melia
Phone:	(631) 589-6353
Project Name:	HKV2101
Project Number:	Not Specified
Report Date:	10/29/21

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com



Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2156337-01	GRID E_0-2	SOIL	Not Specified	10/14/21 08:03	10/14/21
L2156337-02	GRID E_18-24	SOIL	Not Specified	10/14/21 08:03	10/14/21
L2156337-03	GRID F_0-2	SOIL	Not Specified	10/14/21 09:07	10/14/21
L2156337-04	GRID F_18-24	SOIL	Not Specified	10/14/21 09:07	10/14/21
L2156337-05	GRID G_0-2	SOIL	Not Specified	10/14/21 11:45	10/14/21
L2156337-06	GRID G_18-24	SOIL	Not Specified	10/14/21 11:45	10/14/21
L2156337-07	GRID H_0-2	SOIL	Not Specified	10/14/21 10:59	10/14/21
L2156337-08	GRID H_18-24	SOIL	Not Specified	10/14/21 10:59	10/14/21
L2156337-09	GRID I_0-2	SOIL	Not Specified	10/14/21 13:18	10/14/21
L2156337-10	GRID I_18-24	SOIL	Not Specified	10/14/21 13:18	10/14/21
L2156337-11	GRID J_0-2	SOIL	Not Specified	10/14/21 13:50	10/14/21
L2156337-12	GRID J_18-24	SOIL	Not Specified	10/14/21 13:50	10/14/21
L2156337-13	GRID K_0-2	SOIL	Not Specified	10/14/21 15:10	10/14/21
L2156337-14	GRID K_18-24	SOIL	Not Specified	10/14/21 15:10	10/14/21
L2156337-15	GRID U_0-2	SOIL	Not Specified	10/14/21 08:39	10/14/21
L2156337-16	GRID U_18-24	SOIL	Not Specified	10/14/21 08:39	10/14/21
L2156337-17	GRID V_0-2	SOIL	Not Specified	10/14/21 10:20	10/14/21
L2156337-18	GRID V_18-24	SOIL	Not Specified	10/14/21 10:20	10/14/21
L2156337-19	GRID W_0-2	SOIL	Not Specified	10/14/21 12:11	10/14/21
L2156337-20	GRID W_18-24	SOIL	Not Specified	10/14/21 12:11	10/14/21
L2156337-21	GRID X_0-2	SOIL	Not Specified	10/14/21 12:46	10/14/21
L2156337-22	GRID X_18-24	SOIL	Not Specified	10/14/21 12:46	10/14/21
L2156337-23	GRID Y_0-2	SOIL	Not Specified	10/14/21 14:36	10/14/21
L2156337-24	GRID Y_18-24	SOIL	Not Specified	10/14/21 14:36	10/14/21

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

Case Narrative (continued)

Report Submission

October 29, 2021: This final report includes the results of the Pesticides analysis performed on L2156337-04, -06, -08, -10, -12, -14, -16, -18, -20, -22, and -24 and the results of the Total Metals analysis performed on L2156337-08, -10, -12 and -14.

October 21, 2021: This is a preliminary report.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Total Metals

L2156337-01, -03, -05, -07, -08, -09, -10, -11, -12, -13, and -14, -15, -17, -19, -21, and -23: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

The WG1563264-1 Method Blank, associated with L2156337-08, -10, -12, and -14, has a concentration above the reporting limit for iron. Since the associated sample concentrations are either greater than 10x the blank concentration or non-detect to the RL for this target analyte, no corrective action is required. Any results detected below the reporting limit are qualified with a "B".

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:

Tiffani Morrissey - Tiffani Morrissey

Title: Technical Director/Representative

Date: 10/29/21

ORGANICS

VOLATILES

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156337-03
Client ID: GRID F_0-2
Sample Location: Not Specified

Date Collected: 10/14/21 09:07
Date Received: 10/14/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/19/21 20:21
Analyst: JC
Percent Solids: 98%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.5	2.5	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.16	1
Chloroform	ND		ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.1	0.25	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.14	1
Dibromochloromethane	ND		ug/kg	1.1	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.29	1
Tetrachloroethene	ND		ug/kg	0.55	0.22	1
Chlorobenzene	ND		ug/kg	0.55	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.4	0.76	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.28	1
1,1,1-Trichloroethane	ND		ug/kg	0.55	0.18	1
Bromodichloromethane	ND		ug/kg	0.55	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.30	1
cis-1,3-Dichloropropene	ND		ug/kg	0.55	0.17	1
1,3-Dichloropropene, Total	ND		ug/kg	0.55	0.17	1
1,1-Dichloropropene	ND		ug/kg	0.55	0.17	1
Bromoform	ND		ug/kg	4.4	0.27	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.55	0.18	1
Benzene	ND		ug/kg	0.55	0.18	1
Toluene	ND		ug/kg	1.1	0.60	1
Ethylbenzene	ND		ug/kg	1.1	0.16	1
Chloromethane	ND		ug/kg	4.4	1.0	1
Bromomethane	ND		ug/kg	2.2	0.64	1
Vinyl chloride	ND		ug/kg	1.1	0.37	1
Chloroethane	ND		ug/kg	2.2	0.50	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.26	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.15	1

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156337-03
Client ID: GRID F_0-2
Sample Location: Not Specified

Date Collected: 10/14/21 09:07
Date Received: 10/14/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.55	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,3-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.2	0.19	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.22	1
p/m-Xylene	ND		ug/kg	2.2	0.62	1
o-Xylene	ND		ug/kg	1.1	0.32	1
Xylenes, Total	ND		ug/kg	1.1	0.32	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.19	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.15	1
Dibromomethane	ND		ug/kg	2.2	0.26	1
Styrene	ND		ug/kg	1.1	0.22	1
Dichlorodifluoromethane	ND		ug/kg	11	1.0	1
Acetone	ND		ug/kg	11	5.3	1
Carbon disulfide	ND		ug/kg	11	5.0	1
2-Butanone	ND		ug/kg	11	2.4	1
Vinyl acetate	ND		ug/kg	11	2.4	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
1,2,3-Trichloropropane	ND		ug/kg	2.2	0.14	1
2-Hexanone	ND		ug/kg	11	1.3	1
Bromochloromethane	ND		ug/kg	2.2	0.22	1
2,2-Dichloropropane	ND		ug/kg	2.2	0.22	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.31	1
1,3-Dichloropropane	ND		ug/kg	2.2	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.55	0.14	1
Bromobenzene	ND		ug/kg	2.2	0.16	1
n-Butylbenzene	ND		ug/kg	1.1	0.18	1
sec-Butylbenzene	ND		ug/kg	1.1	0.16	1
tert-Butylbenzene	ND		ug/kg	2.2	0.13	1
o-Chlorotoluene	ND		ug/kg	2.2	0.21	1
p-Chlorotoluene	ND		ug/kg	2.2	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.3	1.1	1
Hexachlorobutadiene	ND		ug/kg	4.4	0.18	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	ND		ug/kg	4.4	0.71	1
Acrylonitrile	ND		ug/kg	4.4	1.3	1

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156337-03
Client ID: GRID F_0-2
Sample Location: Not Specified

Date Collected: 10/14/21 09:07
Date Received: 10/14/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.1	0.19	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.2	0.35	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.2	0.30	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.2	0.21	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.2	0.37	1
1,4-Dioxane	ND		ug/kg	88	38.	1
p-Diethylbenzene	ND		ug/kg	2.2	0.19	1
p-Ethyltoluene	ND		ug/kg	2.2	0.42	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.2	0.21	1
Ethyl ether	ND		ug/kg	2.2	0.37	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.5	1.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	123		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	112		70-130
Dibromofluoromethane	116		70-130

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156337-21
Client ID: GRID X_0-2
Sample Location: Not Specified

Date Collected: 10/14/21 12:46
Date Received: 10/14/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/19/21 20:42
Analyst: JC
Percent Solids: 97%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.6	2.6	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.16	1
Chloroform	ND		ug/kg	1.7	0.16	1
Carbon tetrachloride	ND		ug/kg	1.1	0.26	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.14	1
Dibromochloromethane	ND		ug/kg	1.1	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.30	1
Tetrachloroethene	ND		ug/kg	0.56	0.22	1
Chlorobenzene	ND		ug/kg	0.56	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.5	0.78	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.29	1
1,1,1-Trichloroethane	ND		ug/kg	0.56	0.19	1
Bromodichloromethane	ND		ug/kg	0.56	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.31	1
cis-1,3-Dichloropropene	ND		ug/kg	0.56	0.18	1
1,3-Dichloropropene, Total	ND		ug/kg	0.56	0.18	1
1,1-Dichloropropene	ND		ug/kg	0.56	0.18	1
Bromoform	ND		ug/kg	4.5	0.28	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.56	0.19	1
Benzene	ND		ug/kg	0.56	0.19	1
Toluene	ND		ug/kg	1.1	0.61	1
Ethylbenzene	ND		ug/kg	1.1	0.16	1
Chloromethane	ND		ug/kg	4.5	1.0	1
Bromomethane	ND		ug/kg	2.2	0.65	1
Vinyl chloride	ND		ug/kg	1.1	0.38	1
Chloroethane	ND		ug/kg	2.2	0.51	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.27	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.15	1

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156337-21
Client ID: GRID X_0-2
Sample Location: Not Specified

Date Collected: 10/14/21 12:46
Date Received: 10/14/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.56	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,3-Dichlorobenzene	ND		ug/kg	2.2	0.17	1
1,4-Dichlorobenzene	ND		ug/kg	2.2	0.19	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.22	1
p/m-Xylene	ND		ug/kg	2.2	0.63	1
o-Xylene	ND		ug/kg	1.1	0.33	1
Xylenes, Total	ND		ug/kg	1.1	0.33	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.20	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.15	1
Dibromomethane	ND		ug/kg	2.2	0.27	1
Styrene	ND		ug/kg	1.1	0.22	1
Dichlorodifluoromethane	ND		ug/kg	11	1.0	1
Acetone	ND		ug/kg	11	5.4	1
Carbon disulfide	ND		ug/kg	11	5.1	1
2-Butanone	ND		ug/kg	11	2.5	1
Vinyl acetate	ND		ug/kg	11	2.4	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
1,2,3-Trichloropropane	ND		ug/kg	2.2	0.14	1
2-Hexanone	ND		ug/kg	11	1.3	1
Bromochloromethane	ND		ug/kg	2.2	0.23	1
2,2-Dichloropropane	ND		ug/kg	2.2	0.23	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.31	1
1,3-Dichloropropane	ND		ug/kg	2.2	0.19	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.56	0.15	1
Bromobenzene	ND		ug/kg	2.2	0.16	1
n-Butylbenzene	ND		ug/kg	1.1	0.19	1
sec-Butylbenzene	ND		ug/kg	1.1	0.16	1
tert-Butylbenzene	ND		ug/kg	2.2	0.13	1
o-Chlorotoluene	ND		ug/kg	2.2	0.21	1
p-Chlorotoluene	ND		ug/kg	2.2	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.4	1.1	1
Hexachlorobutadiene	ND		ug/kg	4.5	0.19	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	ND		ug/kg	4.5	0.73	1
Acrylonitrile	ND		ug/kg	4.5	1.3	1

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156337-21
Client ID: GRID X_0-2
Sample Location: Not Specified

Date Collected: 10/14/21 12:46
Date Received: 10/14/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.1	0.19	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.2	0.36	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.2	0.30	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.2	0.22	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.2	0.37	1
1,4-Dioxane	ND		ug/kg	90	39.	1
p-Diethylbenzene	ND		ug/kg	2.2	0.20	1
p-Ethyltoluene	ND		ug/kg	2.2	0.43	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.2	0.21	1
Ethyl ether	ND		ug/kg	2.2	0.38	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.6	1.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	123		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	115		70-130
Dibromofluoromethane	116		70-130

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 10/19/21 18:58
 Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 03,21 Batch: WG1560884-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 10/19/21 18:58
 Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 03,21 Batch: WG1560884-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/19/21 18:58
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 03,21 Batch: WG1560884-5					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
1,4-Dioxane	ND		ug/kg	80	35.
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	116		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	112		70-130

Lab Control Sample Analysis Batch Quality Control

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 03,21 Batch: WG1560884-3 WG1560884-4								
Methylene chloride	110		112		70-130	2		30
1,1-Dichloroethane	101		101		70-130	0		30
Chloroform	101		102		70-130	1		30
Carbon tetrachloride	98		100		70-130	2		30
1,2-Dichloropropane	95		98		70-130	3		30
Dibromochloromethane	89		96		70-130	8		30
1,1,2-Trichloroethane	93		98		70-130	5		30
Tetrachloroethene	100		104		70-130	4		30
Chlorobenzene	99		101		70-130	2		30
Trichlorofluoromethane	109		109		70-139	0		30
1,2-Dichloroethane	95		98		70-130	3		30
1,1,1-Trichloroethane	106		108		70-130	2		30
Bromodichloromethane	93		98		70-130	5		30
trans-1,3-Dichloropropene	90		97		70-130	7		30
cis-1,3-Dichloropropene	92		97		70-130	5		30
1,1-Dichloropropene	108		107		70-130	1		30
Bromoform	83		87		70-130	5		30
1,1,2,2-Tetrachloroethane	106		106		70-130	0		30
Benzene	101		102		70-130	1		30
Toluene	99		102		70-130	3		30
Ethylbenzene	106		107		70-130	1		30
Chloromethane	107		109		52-130	2		30
Bromomethane	94		91		57-147	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 03,21 Batch: WG1560884-3 WG1560884-4								
Vinyl chloride	118		116		67-130	2		30
Chloroethane	119		121		50-151	2		30
1,1-Dichloroethene	106		105		65-135	1		30
trans-1,2-Dichloroethene	105		102		70-130	3		30
Trichloroethene	98		102		70-130	4		30
1,2-Dichlorobenzene	102		100		70-130	2		30
1,3-Dichlorobenzene	103		100		70-130	3		30
1,4-Dichlorobenzene	101		99		70-130	2		30
Methyl tert butyl ether	96		94		66-130	2		30
p/m-Xylene	104		106		70-130	2		30
o-Xylene	105		106		70-130	1		30
cis-1,2-Dichloroethene	97		100		70-130	3		30
Dibromomethane	91		98		70-130	7		30
Styrene	104		105		70-130	1		30
Dichlorodifluoromethane	148	Q	146		30-146	1		30
Acetone	58		71		54-140	20		30
Carbon disulfide	104		106		59-130	2		30
2-Butanone	73		78		70-130	7		30
Vinyl acetate	82		85		70-130	4		30
4-Methyl-2-pentanone	81		89		70-130	9		30
1,2,3-Trichloropropane	94		95		68-130	1		30
2-Hexanone	77		88		70-130	13		30
Bromochloromethane	89		94		70-130	5		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 03,21 Batch: WG1560884-3 WG1560884-4								
2,2-Dichloropropane	93		94		70-130	1		30
1,2-Dibromoethane	96		101		70-130	5		30
1,3-Dichloropropane	98		101		69-130	3		30
1,1,1,2-Tetrachloroethane	96		99		70-130	3		30
Bromobenzene	102		100		70-130	2		30
n-Butylbenzene	115		110		70-130	4		30
sec-Butylbenzene	116		112		70-130	4		30
tert-Butylbenzene	115		110		70-130	4		30
o-Chlorotoluene	107		104		70-130	3		30
p-Chlorotoluene	110		106		70-130	4		30
1,2-Dibromo-3-chloropropane	77		81		68-130	5		30
Hexachlorobutadiene	109		105		67-130	4		30
Isopropylbenzene	114		110		70-130	4		30
p-Isopropyltoluene	114		108		70-130	5		30
Naphthalene	88		90		70-130	2		30
Acrylonitrile	80		81		70-130	1		30
n-Propylbenzene	115		110		70-130	4		30
1,2,3-Trichlorobenzene	96		95		70-130	1		30
1,2,4-Trichlorobenzene	98		95		70-130	3		30
1,3,5-Trimethylbenzene	111		109		70-130	2		30
1,2,4-Trimethylbenzene	110		105		70-130	5		30
1,4-Dioxane	83		93		65-136	11		30
p-Diethylbenzene	111		107		70-130	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 03,21 Batch: WG1560884-3 WG1560884-4								
p-Ethyltoluene	112		109		70-130	3		30
1,2,4,5-Tetramethylbenzene	112		108		70-130	4		30
Ethyl ether	92		100		67-130	8		30
trans-1,4-Dichloro-2-butene	81		85		70-130	5		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	103		104		70-130
Toluene-d8	107		108		70-130
4-Bromofluorobenzene	107		102		70-130
Dibromofluoromethane	102		104		70-130

SEMIVOLATILES

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156337-03
Client ID: GRID F_0-2
Sample Location: Not Specified

Date Collected: 10/14/21 09:07
Date Received: 10/14/21
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 10/18/21 16:16
Analyst: CMM
Percent Solids: 98%

Extraction Method: EPA 3546
Extraction Date: 10/16/21 01:47

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	130	17.	1
1,2,4-Trichlorobenzene	ND		ug/kg	170	19.	1
Hexachlorobenzene	ND		ug/kg	100	19.	1
Bis(2-chloroethyl)ether	ND		ug/kg	150	23.	1
2-Chloronaphthalene	ND		ug/kg	170	17.	1
1,2-Dichlorobenzene	ND		ug/kg	170	30.	1
1,3-Dichlorobenzene	ND		ug/kg	170	29.	1
1,4-Dichlorobenzene	ND		ug/kg	170	29.	1
3,3'-Dichlorobenzidine	ND		ug/kg	170	44.	1
2,4-Dinitrotoluene	ND		ug/kg	170	33.	1
2,6-Dinitrotoluene	ND		ug/kg	170	29.	1
Fluoranthene	ND		ug/kg	100	19.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	170	18.	1
4-Bromophenyl phenyl ether	ND		ug/kg	170	26.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	180	17.	1
Hexachlorobutadiene	ND		ug/kg	170	24.	1
Hexachlorocyclopentadiene	ND		ug/kg	480	150	1
Hexachloroethane	ND		ug/kg	130	27.	1
Isophorone	ND		ug/kg	150	22.	1
Naphthalene	ND		ug/kg	170	20.	1
Nitrobenzene	ND		ug/kg	150	25.	1
NDPA/DPA	ND		ug/kg	130	19.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	170	26.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	170	58.	1
Butyl benzyl phthalate	ND		ug/kg	170	42.	1
Di-n-butylphthalate	ND		ug/kg	170	32.	1
Di-n-octylphthalate	ND		ug/kg	170	57.	1

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156337-03
Client ID: GRID F_0-2
Sample Location: Not Specified

Date Collected: 10/14/21 09:07
Date Received: 10/14/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	170	16.	1
Dimethyl phthalate	ND		ug/kg	170	35.	1
Benzo(a)anthracene	ND		ug/kg	100	19.	1
Benzo(a)pyrene	ND		ug/kg	130	41.	1
Benzo(b)fluoranthene	ND		ug/kg	100	28.	1
Benzo(k)fluoranthene	ND		ug/kg	100	27.	1
Chrysene	ND		ug/kg	100	17.	1
Acenaphthylene	ND		ug/kg	130	26.	1
Anthracene	ND		ug/kg	100	33.	1
Benzo(ghi)perylene	ND		ug/kg	130	20.	1
Fluorene	ND		ug/kg	170	16.	1
Phenanthrene	ND		ug/kg	100	20.	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	19.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.	1
Pyrene	ND		ug/kg	100	17.	1
Biphenyl	ND		ug/kg	380	39.	1
4-Chloroaniline	ND		ug/kg	170	30.	1
2-Nitroaniline	ND		ug/kg	170	32.	1
3-Nitroaniline	ND		ug/kg	170	32.	1
4-Nitroaniline	ND		ug/kg	170	69.	1
Dibenzofuran	ND		ug/kg	170	16.	1
2-Methylnaphthalene	ND		ug/kg	200	20.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	17.	1
Acetophenone	ND		ug/kg	170	21.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	32.	1
p-Chloro-m-cresol	ND		ug/kg	170	25.	1
2-Chlorophenol	ND		ug/kg	170	20.	1
2,4-Dichlorophenol	ND		ug/kg	150	27.	1
2,4-Dimethylphenol	ND		ug/kg	170	55.	1
2-Nitrophenol	ND		ug/kg	360	63.	1
4-Nitrophenol	ND		ug/kg	230	68.	1
2,4-Dinitrophenol	ND		ug/kg	800	78.	1
4,6-Dinitro-o-cresol	ND		ug/kg	440	80.	1
Pentachlorophenol	ND		ug/kg	130	37.	1
Phenol	ND		ug/kg	170	25.	1
2-Methylphenol	ND		ug/kg	170	26.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.	1

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156337-03
Client ID: GRID F_0-2
Sample Location: Not Specified

Date Collected: 10/14/21 09:07
Date Received: 10/14/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	170	32.	1
Benzoic Acid	370	J	ug/kg	540	170	1
Benzyl Alcohol	ND		ug/kg	170	51.	1
Carbazole	ND		ug/kg	170	16.	1
1,4-Dioxane	ND		ug/kg	25	7.7	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	67		25-120
Phenol-d6	71		10-120
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	74		30-120
2,4,6-Tribromophenol	94		10-136
4-Terphenyl-d14	66		18-120

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156337-21
Client ID: GRID X_0-2
Sample Location: Not Specified

Date Collected: 10/14/21 12:46
Date Received: 10/14/21
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 10/18/21 16:39
Analyst: CMM
Percent Solids: 97%

Extraction Method: EPA 3546
Extraction Date: 10/16/21 01:47

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	130	17.	1
1,2,4-Trichlorobenzene	ND		ug/kg	170	19.	1
Hexachlorobenzene	ND		ug/kg	100	19.	1
Bis(2-chloroethyl)ether	ND		ug/kg	150	23.	1
2-Chloronaphthalene	ND		ug/kg	170	17.	1
1,2-Dichlorobenzene	ND		ug/kg	170	30.	1
1,3-Dichlorobenzene	ND		ug/kg	170	29.	1
1,4-Dichlorobenzene	ND		ug/kg	170	29.	1
3,3'-Dichlorobenzidine	ND		ug/kg	170	45.	1
2,4-Dinitrotoluene	ND		ug/kg	170	34.	1
2,6-Dinitrotoluene	ND		ug/kg	170	29.	1
Fluoranthene	ND		ug/kg	100	19.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	170	18.	1
4-Bromophenyl phenyl ether	ND		ug/kg	170	26.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	29.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	180	17.	1
Hexachlorobutadiene	ND		ug/kg	170	24.	1
Hexachlorocyclopentadiene	ND		ug/kg	480	150	1
Hexachloroethane	ND		ug/kg	130	27.	1
Isophorone	ND		ug/kg	150	22.	1
Naphthalene	ND		ug/kg	170	20.	1
Nitrobenzene	ND		ug/kg	150	25.	1
NDPA/DPA	ND		ug/kg	130	19.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	170	26.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	170	58.	1
Butyl benzyl phthalate	ND		ug/kg	170	42.	1
Di-n-butylphthalate	ND		ug/kg	170	32.	1
Di-n-octylphthalate	ND		ug/kg	170	57.	1

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156337-21
Client ID: GRID X_0-2
Sample Location: Not Specified

Date Collected: 10/14/21 12:46
Date Received: 10/14/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	170	16.	1
Dimethyl phthalate	ND		ug/kg	170	35.	1
Benzo(a)anthracene	ND		ug/kg	100	19.	1
Benzo(a)pyrene	ND		ug/kg	130	41.	1
Benzo(b)fluoranthene	ND		ug/kg	100	28.	1
Benzo(k)fluoranthene	ND		ug/kg	100	27.	1
Chrysene	ND		ug/kg	100	17.	1
Acenaphthylene	ND		ug/kg	130	26.	1
Anthracene	ND		ug/kg	100	33.	1
Benzo(ghi)perylene	ND		ug/kg	130	20.	1
Fluorene	ND		ug/kg	170	16.	1
Phenanthrene	ND		ug/kg	100	20.	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	19.	1
Indeno(1,2,3-cd)pyrene	40	J	ug/kg	130	23.	1
Pyrene	ND		ug/kg	100	17.	1
Biphenyl	ND		ug/kg	380	39.	1
4-Chloroaniline	ND		ug/kg	170	30.	1
2-Nitroaniline	ND		ug/kg	170	32.	1
3-Nitroaniline	ND		ug/kg	170	32.	1
4-Nitroaniline	ND		ug/kg	170	69.	1
Dibenzofuran	ND		ug/kg	170	16.	1
2-Methylnaphthalene	ND		ug/kg	200	20.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	18.	1
Acetophenone	ND		ug/kg	170	21.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	32.	1
p-Chloro-m-cresol	ND		ug/kg	170	25.	1
2-Chlorophenol	ND		ug/kg	170	20.	1
2,4-Dichlorophenol	ND		ug/kg	150	27.	1
2,4-Dimethylphenol	ND		ug/kg	170	55.	1
2-Nitrophenol	ND		ug/kg	360	63.	1
4-Nitrophenol	ND		ug/kg	230	68.	1
2,4-Dinitrophenol	ND		ug/kg	800	78.	1
4,6-Dinitro-o-cresol	ND		ug/kg	440	80.	1
Pentachlorophenol	ND		ug/kg	130	37.	1
Phenol	ND		ug/kg	170	25.	1
2-Methylphenol	ND		ug/kg	170	26.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.	1

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156337-21
Client ID: GRID X_0-2
Sample Location: Not Specified

Date Collected: 10/14/21 12:46
Date Received: 10/14/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	170	32.	1
Benzoic Acid	240	J	ug/kg	540	170	1
Benzyl Alcohol	ND		ug/kg	170	51.	1
Carbazole	ND		ug/kg	170	16.	1
1,4-Dioxane	ND		ug/kg	25	7.7	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	85		25-120
Phenol-d6	90		10-120
Nitrobenzene-d5	87		23-120
2-Fluorobiphenyl	90		30-120
2,4,6-Tribromophenol	118		10-136
4-Terphenyl-d14	85		18-120

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 10/16/21 16:24
Analyst: IM

Extraction Method: EPA 3546
Extraction Date: 10/16/21 01:37

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 03,21 Batch: WG1559404-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	19.
Hexachlorobenzene	ND		ug/kg	99	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	30.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	29.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	33.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	99	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	18.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	27.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	57.
Butyl benzyl phthalate	ND		ug/kg	160	42.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	56.
Diethyl phthalate	ND		ug/kg	160	15.

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 10/16/21 16:24
Analyst: IM

Extraction Method: EPA 3546
Extraction Date: 10/16/21 01:37

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 03,21 Batch: WG1559404-1					
Dimethyl phthalate	ND		ug/kg	160	35.
Benzo(a)anthracene	ND		ug/kg	99	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	99	28.
Benzo(k)fluoranthene	ND		ug/kg	99	26.
Chrysene	ND		ug/kg	99	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	99	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	99	20.
Dibenzo(a,h)anthracene	ND		ug/kg	99	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	99	16.
Biphenyl	ND		ug/kg	380	38.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	32.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	68.
Dibenzofuran	ND		ug/kg	160	16.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	99	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	20.
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	360	62.

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 10/16/21 16:24
Analyst: IM

Extraction Method: EPA 3546
Extraction Date: 10/16/21 01:37

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 03,21 Batch: WG1559404-1					
4-Nitrophenol	ND		ug/kg	230	67.
2,4-Dinitrophenol	ND		ug/kg	790	77.
4,6-Dinitro-o-cresol	ND		ug/kg	430	79.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	26.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	32.
Benzoic Acid	ND		ug/kg	530	170
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	16.
1,4-Dioxane	ND		ug/kg	25	7.6

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	91		25-120
Phenol-d6	94		10-120
Nitrobenzene-d5	95		23-120
2-Fluorobiphenyl	79		30-120
2,4,6-Tribromophenol	105		10-136
4-Terphenyl-d14	93		18-120

Lab Control Sample Analysis **Batch Quality Control**

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03,21 Batch: WG1559404-2 WG1559404-3								
Acenaphthene	81		78		31-137	4		50
1,2,4-Trichlorobenzene	76		76		38-107	0		50
Hexachlorobenzene	80		78		40-140	3		50
Bis(2-chloroethyl)ether	77		77		40-140	0		50
2-Chloronaphthalene	76		73		40-140	4		50
1,2-Dichlorobenzene	76		75		40-140	1		50
1,3-Dichlorobenzene	73		72		40-140	1		50
1,4-Dichlorobenzene	74		72		28-104	3		50
3,3'-Dichlorobenzidine	81		76		40-140	6		50
2,4-Dinitrotoluene	81		81		40-132	0		50
2,6-Dinitrotoluene	83		81		40-140	2		50
Fluoranthene	80		80		40-140	0		50
4-Chlorophenyl phenyl ether	76		75		40-140	1		50
4-Bromophenyl phenyl ether	78		75		40-140	4		50
Bis(2-chloroisopropyl)ether	58		59		40-140	2		50
Bis(2-chloroethoxy)methane	74		72		40-117	3		50
Hexachlorobutadiene	71		70		40-140	1		50
Hexachlorocyclopentadiene	40		41		40-140	2		50
Hexachloroethane	80		79		40-140	1		50
Isophorone	71		70		40-140	1		50
Naphthalene	74		72		40-140	3		50
Nitrobenzene	81		80		40-140	1		50
NDPA/DPA	80		77		36-157	4		50

Lab Control Sample Analysis **Batch Quality Control**

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03,21 Batch: WG1559404-2 WG1559404-3								
n-Nitrosodi-n-propylamine	74		72		32-121	3		50
Bis(2-ethylhexyl)phthalate	101		99		40-140	2		50
Butyl benzyl phthalate	96		95		40-140	1		50
Di-n-butylphthalate	86		86		40-140	0		50
Di-n-octylphthalate	100		96		40-140	4		50
Diethyl phthalate	80		79		40-140	1		50
Dimethyl phthalate	71		69		40-140	3		50
Benzo(a)anthracene	86		82		40-140	5		50
Benzo(a)pyrene	72		69		40-140	4		50
Benzo(b)fluoranthene	84		76		40-140	10		50
Benzo(k)fluoranthene	78		77		40-140	1		50
Chrysene	81		78		40-140	4		50
Acenaphthylene	71		68		40-140	4		50
Anthracene	81		77		40-140	5		50
Benzo(ghi)perylene	71		68		40-140	4		50
Fluorene	81		78		40-140	4		50
Phenanthrene	81		76		40-140	6		50
Dibenzo(a,h)anthracene	74		70		40-140	6		50
Indeno(1,2,3-cd)pyrene	72		70		40-140	3		50
Pyrene	82		79		35-142	4		50
Biphenyl	74		70		37-127	6		50
4-Chloroaniline	74		72		40-140	3		50
2-Nitroaniline	93		91		47-134	2		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03,21 Batch: WG1559404-2 WG1559404-3								
3-Nitroaniline	86		83		26-129	4		50
4-Nitroaniline	89		88		41-125	1		50
Dibenzofuran	79		77		40-140	3		50
2-Methylnaphthalene	71		68		40-140	4		50
1,2,4,5-Tetrachlorobenzene	76		74		40-117	3		50
Acetophenone	74		73		14-144	1		50
2,4,6-Trichlorophenol	83		80		30-130	4		50
p-Chloro-m-cresol	79		76		26-103	4		50
2-Chlorophenol	88		87		25-102	1		50
2,4-Dichlorophenol	86		82		30-130	5		50
2,4-Dimethylphenol	80		76		30-130	5		50
2-Nitrophenol	111		109		30-130	2		50
4-Nitrophenol	91		92		11-114	1		50
2,4-Dinitrophenol	30		30		4-130	0		50
4,6-Dinitro-o-cresol	35		36		10-130	3		50
Pentachlorophenol	81		79		17-109	3		50
Phenol	77		75		26-90	3		50
2-Methylphenol	84		82		30-130.	2		50
3-Methylphenol/4-Methylphenol	89		86		30-130	3		50
2,4,5-Trichlorophenol	89		85		30-130	5		50
Benzoic Acid	33		29		10-110	13		50
Benzyl Alcohol	78		78		40-140	0		50
Carbazole	82		79		54-128	4		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03,21 Batch: WG1559404-2 WG1559404-3								
1,4-Dioxane	54		50		40-140	8		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	86		87		25-120
Phenol-d6	88		86		10-120
Nitrobenzene-d5	88		86		23-120
2-Fluorobiphenyl	75		72		30-120
2,4,6-Tribromophenol	92		91		10-136
4-Terphenyl-d14	85		85		18-120

PCBS

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156337-03
Client ID: GRID F_0-2
Sample Location: Not Specified

Date Collected: 10/14/21 09:07
Date Received: 10/14/21
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 10/17/21 21:29
Analyst: AD
Percent Solids: 98%

Extraction Method: EPA 3546
Extraction Date: 10/16/21 05:12
Cleanup Method: EPA 3665A
Cleanup Date: 10/16/21
Cleanup Method: EPA 3660B
Cleanup Date: 10/16/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	32.7	2.90	1	A
Aroclor 1221	ND		ug/kg	32.7	3.28	1	A
Aroclor 1232	ND		ug/kg	32.7	6.94	1	A
Aroclor 1242	ND		ug/kg	32.7	4.41	1	A
Aroclor 1248	ND		ug/kg	32.7	4.91	1	A
Aroclor 1254	ND		ug/kg	32.7	3.58	1	A
Aroclor 1260	ND		ug/kg	32.7	6.04	1	A
Aroclor 1262	ND		ug/kg	32.7	4.15	1	A
Aroclor 1268	ND		ug/kg	32.7	3.39	1	A
PCBs, Total	ND		ug/kg	32.7	2.90	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	77		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	73		30-150	B

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156337-21
Client ID: GRID X_0-2
Sample Location: Not Specified

Date Collected: 10/14/21 12:46
Date Received: 10/14/21
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 10/17/21 21:37
Analyst: AD
Percent Solids: 97%

Extraction Method: EPA 3546
Extraction Date: 10/16/21 05:12
Cleanup Method: EPA 3665A
Cleanup Date: 10/16/21
Cleanup Method: EPA 3660B
Cleanup Date: 10/16/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	33.7	2.99	1	A
Aroclor 1221	ND		ug/kg	33.7	3.37	1	A
Aroclor 1232	ND		ug/kg	33.7	7.14	1	A
Aroclor 1242	ND		ug/kg	33.7	4.54	1	A
Aroclor 1248	ND		ug/kg	33.7	5.05	1	A
Aroclor 1254	ND		ug/kg	33.7	3.68	1	A
Aroclor 1260	ND		ug/kg	33.7	6.22	1	A
Aroclor 1262	ND		ug/kg	33.7	4.28	1	A
Aroclor 1268	ND		ug/kg	33.7	3.49	1	A
PCBs, Total	ND		ug/kg	33.7	2.99	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		30-150	A
Decachlorobiphenyl	75		30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		30-150	B
Decachlorobiphenyl	69		30-150	B

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 10/17/21 20:24
Analyst: CW

Extraction Method: EPA 3546
Extraction Date: 10/15/21 15:17
Cleanup Method: EPA 3665A
Cleanup Date: 10/15/21
Cleanup Method: EPA 3660B
Cleanup Date: 10/16/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 03,21 Batch: WG1559291-1						
Aroclor 1016	ND		ug/kg	32.5	2.89	A
Aroclor 1221	ND		ug/kg	32.5	3.26	A
Aroclor 1232	ND		ug/kg	32.5	6.90	A
Aroclor 1242	ND		ug/kg	32.5	4.38	A
Aroclor 1248	ND		ug/kg	32.5	4.88	A
Aroclor 1254	ND		ug/kg	32.5	3.56	A
Aroclor 1260	ND		ug/kg	32.5	6.01	A
Aroclor 1262	ND		ug/kg	32.5	4.13	A
Aroclor 1268	ND		ug/kg	32.5	3.37	A
PCBs, Total	ND		ug/kg	32.5	2.89	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	83		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	78		30-150	B

Lab Control Sample Analysis Batch Quality Control

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 03,21 Batch: WG1559291-2 WG1559291-3									
Aroclor 1016	82		81		40-140	1		50	A
Aroclor 1260	87		83		40-140	5		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		73		30-150	A
Decachlorobiphenyl	86		82		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		70		30-150	B
Decachlorobiphenyl	78		77		30-150	B

PESTICIDES

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156337-01
Client ID: GRID E_0-2
Sample Location: Not Specified

Date Collected: 10/14/21 08:03
Date Received: 10/14/21
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 10/18/21 13:37
Analyst: JAW
Percent Solids: 78%

Extraction Method: EPA 3546
Extraction Date: 10/16/21 04:25
Cleanup Method: EPA 3620B
Cleanup Date: 10/17/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	2.05	0.401	1	A
Lindane	ND		ug/kg	0.853	0.381	1	A
Alpha-BHC	ND		ug/kg	0.853	0.242	1	A
Beta-BHC	ND		ug/kg	2.05	0.776	1	A
Heptachlor	ND		ug/kg	1.02	0.459	1	A
Aldrin	ND		ug/kg	2.05	0.721	1	A
Heptachlor epoxide	ND		ug/kg	3.84	1.15	1	A
Endrin	ND		ug/kg	0.853	0.350	1	A
Endrin aldehyde	ND		ug/kg	2.56	0.896	1	A
Endrin ketone	ND		ug/kg	2.05	0.527	1	A
Dieldrin	ND		ug/kg	1.28	0.640	1	A
4,4'-DDE	ND		ug/kg	2.05	0.473	1	A
4,4'-DDD	ND		ug/kg	2.05	0.730	1	A
4,4'-DDT	ND		ug/kg	3.84	1.65	1	A
Endosulfan I	ND		ug/kg	2.05	0.484	1	A
Endosulfan II	ND		ug/kg	2.05	0.684	1	A
Endosulfan sulfate	ND		ug/kg	0.853	0.406	1	A
Methoxychlor	ND		ug/kg	3.84	1.19	1	A
Toxaphene	ND		ug/kg	38.4	10.7	1	A
cis-Chlordane	ND		ug/kg	2.56	0.713	1	A
trans-Chlordane	ND		ug/kg	2.56	0.676	1	A
Chlordane	ND		ug/kg	17.0	6.78	1	A

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156337-01
Client ID: GRID E_0-2
Sample Location: Not Specified

Date Collected: 10/14/21 08:03
Date Received: 10/14/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column

Organochlorine Pesticides by GC - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	88		30-150	A
Decachlorobiphenyl	107		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		30-150	B
Decachlorobiphenyl	71		30-150	B

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156337-03
Client ID: GRID F_0-2
Sample Location: Not Specified

Date Collected: 10/14/21 09:07
Date Received: 10/14/21
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 10/18/21 13:49
Analyst: JAW
Percent Solids: 98%

Extraction Method: EPA 3546
Extraction Date: 10/16/21 04:25
Cleanup Method: EPA 3620B
Cleanup Date: 10/17/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.59	0.311	1	A
Lindane	ND		ug/kg	0.663	0.296	1	A
Alpha-BHC	ND		ug/kg	0.663	0.188	1	A
Beta-BHC	ND		ug/kg	1.59	0.603	1	A
Heptachlor	ND		ug/kg	0.795	0.356	1	A
Aldrin	ND		ug/kg	1.59	0.560	1	A
Heptachlor epoxide	ND		ug/kg	2.98	0.895	1	A
Endrin	ND		ug/kg	0.663	0.272	1	A
Endrin aldehyde	ND		ug/kg	1.99	0.696	1	A
Endrin ketone	ND		ug/kg	1.59	0.410	1	A
Dieldrin	3.82		ug/kg	0.994	0.497	1	A
4,4'-DDE	68.3		ug/kg	1.59	0.368	1	A
4,4'-DDD	1.51	J	ug/kg	1.59	0.567	1	B
4,4'-DDT	87.2		ug/kg	2.98	1.28	1	A
Endosulfan I	ND		ug/kg	1.59	0.376	1	A
Endosulfan II	ND		ug/kg	1.59	0.532	1	A
Endosulfan sulfate	ND		ug/kg	0.663	0.315	1	A
Methoxychlor	ND		ug/kg	2.98	0.928	1	A
Toxaphene	ND		ug/kg	29.8	8.35	1	A
cis-Chlordane	ND		ug/kg	1.99	0.554	1	A
trans-Chlordane	ND		ug/kg	1.99	0.525	1	A
Chlordane	ND		ug/kg	13.2	5.27	1	A

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156337-03
Client ID: GRID F_0-2
Sample Location: Not Specified

Date Collected: 10/14/21 09:07
Date Received: 10/14/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column

Organochlorine Pesticides by GC - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	86		30-150	A
Decachlorobiphenyl	102		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	71		30-150	B

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156337-03
Client ID: GRID F_0-2
Sample Location: Not Specified

Date Collected: 10/14/21 09:07
Date Received: 10/14/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 10/20/21 18:00
Analyst: AR
Percent Solids: 98%
Methylation Date: 10/20/21 12:46

Extraction Method: EPA 8151A
Extraction Date: 10/19/21 12:50

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column

Chlorinated Herbicides by GC - Westborough Lab

2,4-D	ND		ug/kg	167	10.5	1	A
2,4,5-T	ND		ug/kg	167	5.18	1	A
2,4,5-TP (Silvex)	ND		ug/kg	167	4.45	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	93		30-150	A
DCAA	74		30-150	B

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156337-04
Client ID: GRID F_18-24
Sample Location: Not Specified

Date Collected: 10/14/21 09:07
Date Received: 10/14/21
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 10/28/21 16:23
Analyst: AR
Percent Solids: 81%

Extraction Method: EPA 3546
Extraction Date: 10/26/21 01:02
Cleanup Method: EPA 3620B
Cleanup Date: 10/27/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.92	0.377	1	A
Lindane	ND		ug/kg	0.802	0.358	1	A
Alpha-BHC	ND		ug/kg	0.802	0.228	1	A
Beta-BHC	ND		ug/kg	1.92	0.730	1	A
Heptachlor	ND		ug/kg	0.962	0.431	1	A
Aldrin	ND		ug/kg	1.92	0.677	1	A
Heptachlor epoxide	ND		ug/kg	3.61	1.08	1	A
Endrin	ND		ug/kg	0.802	0.329	1	A
Endrin aldehyde	ND		ug/kg	2.40	0.842	1	A
Endrin ketone	ND		ug/kg	1.92	0.495	1	A
Dieldrin	0.980	J	ug/kg	1.20	0.601	1	A
4,4'-DDE	19.1		ug/kg	1.92	0.445	1	A
4,4'-DDD	ND		ug/kg	1.92	0.686	1	A
4,4'-DDT	26.6		ug/kg	3.61	1.55	1	B
Endosulfan I	ND		ug/kg	1.92	0.454	1	A
Endosulfan II	0.860	J	ug/kg	1.92	0.643	1	A
Endosulfan sulfate	1.93		ug/kg	0.802	0.382	1	B
Methoxychlor	ND		ug/kg	3.61	1.12	1	A
Toxaphene	ND		ug/kg	36.1	10.1	1	A
cis-Chlordane	ND		ug/kg	2.40	0.670	1	A
trans-Chlordane	ND		ug/kg	2.40	0.635	1	A
Chlordane	ND		ug/kg	16.0	6.37	1	A

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156337-04
Client ID: GRID F_18-24
Sample Location: Not Specified

Date Collected: 10/14/21 09:07
Date Received: 10/14/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column

Organochlorine Pesticides by GC - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	97		30-150	A
Decachlorobiphenyl	100		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	97		30-150	B

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156337-05
Client ID: GRID G_0-2
Sample Location: Not Specified

Date Collected: 10/14/21 11:45
Date Received: 10/14/21
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 10/18/21 14:00
Analyst: JAW
Percent Solids: 96%

Extraction Method: EPA 3546
Extraction Date: 10/16/21 04:25
Cleanup Method: EPA 3620B
Cleanup Date: 10/17/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.64	0.322	1	A
Lindane	ND		ug/kg	0.685	0.306	1	A
Alpha-BHC	ND		ug/kg	0.685	0.194	1	A
Beta-BHC	ND		ug/kg	1.64	0.623	1	A
Heptachlor	ND		ug/kg	0.822	0.368	1	A
Aldrin	ND		ug/kg	1.64	0.579	1	A
Heptachlor epoxide	ND		ug/kg	3.08	0.925	1	A
Endrin	ND		ug/kg	0.685	0.281	1	A
Endrin aldehyde	ND		ug/kg	2.05	0.719	1	A
Endrin ketone	ND		ug/kg	1.64	0.423	1	A
Dieldrin	3.98	P	ug/kg	1.03	0.514	1	A
4,4'-DDE	66.2		ug/kg	1.64	0.380	1	A
4,4'-DDD	ND		ug/kg	1.64	0.586	1	A
4,4'-DDT	88.2		ug/kg	3.08	1.32	1	A
Endosulfan I	ND		ug/kg	1.64	0.388	1	A
Endosulfan II	ND		ug/kg	1.64	0.549	1	A
Endosulfan sulfate	ND		ug/kg	0.685	0.326	1	A
Methoxychlor	ND		ug/kg	3.08	0.959	1	A
Toxaphene	ND		ug/kg	30.8	8.63	1	A
cis-Chlordane	ND		ug/kg	2.05	0.573	1	A
trans-Chlordane	ND		ug/kg	2.05	0.542	1	A
Chlordane	ND		ug/kg	13.7	5.44	1	A

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156337-05
Client ID: GRID G_0-2
Sample Location: Not Specified

Date Collected: 10/14/21 11:45
Date Received: 10/14/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column

Organochlorine Pesticides by GC - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	89		30-150	A
Decachlorobiphenyl	98		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	66		30-150	B

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156337-06
Client ID: GRID G_18-24
Sample Location: Not Specified

Date Collected: 10/14/21 11:45
Date Received: 10/14/21
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 10/28/21 16:35
Analyst: AR
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 10/26/21 01:02
Cleanup Method: EPA 3620B
Cleanup Date: 10/27/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.74	0.341	1	A
Lindane	ND		ug/kg	0.725	0.324	1	A
Alpha-BHC	ND		ug/kg	0.725	0.206	1	A
Beta-BHC	ND		ug/kg	1.74	0.660	1	A
Heptachlor	ND		ug/kg	0.870	0.390	1	A
Aldrin	ND		ug/kg	1.74	0.613	1	A
Heptachlor epoxide	ND		ug/kg	3.26	0.979	1	A
Endrin	ND		ug/kg	0.725	0.297	1	A
Endrin aldehyde	ND		ug/kg	2.18	0.761	1	A
Endrin ketone	ND		ug/kg	1.74	0.448	1	A
Dieldrin	0.687	J	ug/kg	1.09	0.544	1	A
4,4'-DDE	12.6		ug/kg	1.74	0.402	1	A
4,4'-DDD	ND		ug/kg	1.74	0.621	1	A
4,4'-DDT	17.0		ug/kg	3.26	1.40	1	A
Endosulfan I	ND		ug/kg	1.74	0.411	1	A
Endosulfan II	ND		ug/kg	1.74	0.581	1	B
Endosulfan sulfate	0.541	JIP	ug/kg	0.725	0.345	1	A
Methoxychlor	ND		ug/kg	3.26	1.02	1	A
Toxaphene	ND		ug/kg	32.6	9.14	1	A
cis-Chlordane	ND		ug/kg	2.18	0.606	1	A
trans-Chlordane	ND		ug/kg	2.18	0.574	1	A
Chlordane	ND		ug/kg	14.5	5.76	1	A

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156337-06
Client ID: GRID G_18-24
Sample Location: Not Specified

Date Collected: 10/14/21 11:45
Date Received: 10/14/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column

Organochlorine Pesticides by GC - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	95		30-150	A
Decachlorobiphenyl	107		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		30-150	B
Decachlorobiphenyl	105		30-150	B

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156337-07
Client ID: GRID H_0-2
Sample Location: Not Specified

Date Collected: 10/14/21 10:59
Date Received: 10/14/21
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 10/18/21 14:11
Analyst: SDC
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 10/16/21 04:25
Cleanup Method: EPA 3620B
Cleanup Date: 10/17/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.70	0.333	1	A
Lindane	ND		ug/kg	0.708	0.316	1	A
Alpha-BHC	ND		ug/kg	0.708	0.201	1	A
Beta-BHC	ND		ug/kg	1.70	0.644	1	A
Heptachlor	ND		ug/kg	0.849	0.381	1	A
Aldrin	ND		ug/kg	1.70	0.598	1	A
Heptachlor epoxide	ND		ug/kg	3.18	0.956	1	A
Endrin	ND		ug/kg	0.708	0.290	1	A
Endrin aldehyde	ND		ug/kg	2.12	0.743	1	A
Endrin ketone	ND		ug/kg	1.70	0.437	1	A
Dieldrin	52.1		ug/kg	1.06	0.531	1	A
4,4'-DDE	476	E	ug/kg	1.70	0.393	1	A
4,4'-DDD	6.83		ug/kg	1.70	0.606	1	B
4,4'-DDT	780	E	ug/kg	3.18	1.37	1	A
Endosulfan I	ND		ug/kg	1.70	0.401	1	A
Endosulfan II	ND		ug/kg	1.70	0.568	1	A
Endosulfan sulfate	ND		ug/kg	0.708	0.337	1	A
Methoxychlor	ND		ug/kg	3.18	0.991	1	A
Toxaphene	ND		ug/kg	31.8	8.92	1	A
cis-Chlordane	ND		ug/kg	2.12	0.592	1	A
trans-Chlordane	ND		ug/kg	2.12	0.560	1	A
Chlordane	ND		ug/kg	14.2	5.63	1	A

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156337-07
Client ID: GRID H_0-2
Sample Location: Not Specified

Date Collected: 10/14/21 10:59
Date Received: 10/14/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column

Organochlorine Pesticides by GC - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	94		30-150	A
Decachlorobiphenyl	102		30-150	A
2,4,5,6-Tetrachloro-m-xylene	86		30-150	B
Decachlorobiphenyl	69		30-150	B

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156337-07 D
 Client ID: GRID H_0-2
 Sample Location: Not Specified

Date Collected: 10/14/21 10:59
 Date Received: 10/14/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8081B
 Analytical Date: 10/20/21 10:56
 Analyst: SDC
 Percent Solids: 92%

Extraction Method: EPA 3546
 Extraction Date: 10/16/21 04:25
 Cleanup Method: EPA 3620B
 Cleanup Date: 10/17/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
4,4'-DDE	400		ug/kg	34.0	7.86	20	A
4,4'-DDT	793		ug/kg	63.7	27.3	20	B

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156337-08
Client ID: GRID H_18-24
Sample Location: Not Specified

Date Collected: 10/14/21 10:59
Date Received: 10/14/21
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 10/28/21 16:48
Analyst: AR
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 10/26/21 01:02
Cleanup Method: EPA 3620B
Cleanup Date: 10/27/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.71	0.335	1	A
Lindane	ND		ug/kg	0.713	0.318	1	A
Alpha-BHC	ND		ug/kg	0.713	0.202	1	A
Beta-BHC	ND		ug/kg	1.71	0.648	1	A
Heptachlor	ND		ug/kg	0.855	0.383	1	A
Aldrin	ND		ug/kg	1.71	0.602	1	A
Heptachlor epoxide	ND		ug/kg	3.21	0.962	1	A
Endrin	0.386	JIP	ug/kg	0.713	0.292	1	A
Endrin aldehyde	ND		ug/kg	2.14	0.748	1	A
Endrin ketone	ND		ug/kg	1.71	0.440	1	A
Dieldrin	16.0		ug/kg	1.07	0.534	1	B
4,4'-DDE	132		ug/kg	1.71	0.396	1	B
4,4'-DDD	1.21	JIP	ug/kg	1.71	0.610	1	A
4,4'-DDT	282	E	ug/kg	3.21	1.38	1	A
Endosulfan I	ND		ug/kg	1.71	0.404	1	A
Endosulfan II	1.94		ug/kg	1.71	0.572	1	A
Endosulfan sulfate	9.59		ug/kg	0.713	0.339	1	A
Methoxychlor	1.01	JIP	ug/kg	3.21	0.998	1	B
Toxaphene	ND		ug/kg	32.1	8.98	1	A
cis-Chlordane	ND		ug/kg	2.14	0.596	1	A
trans-Chlordane	ND		ug/kg	2.14	0.564	1	A
Chlordane	ND		ug/kg	14.2	5.66	1	A

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156337-08
Client ID: GRID H_18-24
Sample Location: Not Specified

Date Collected: 10/14/21 10:59
Date Received: 10/14/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column

Organochlorine Pesticides by GC - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	83		30-150	A
Decachlorobiphenyl	88		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	88		30-150	B

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156337-08 D
 Client ID: GRID H_18-24
 Sample Location: Not Specified

Date Collected: 10/14/21 10:59
 Date Received: 10/14/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8081B
 Analytical Date: 10/29/21 11:31
 Analyst: AR
 Percent Solids: 93%

Extraction Method: EPA 3546
 Extraction Date: 10/26/21 01:02
 Cleanup Method: EPA 3620B
 Cleanup Date: 10/27/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
4,4'-DDT	315		ug/kg	16.0	6.88	5	B

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156337-09
Client ID: GRID I_0-2
Sample Location: Not Specified

Date Collected: 10/14/21 13:18
Date Received: 10/14/21
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 10/18/21 14:22
Analyst: SDC
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 10/16/21 04:25
Cleanup Method: EPA 3620B
Cleanup Date: 10/17/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.71	0.336	1	A
Lindane	ND		ug/kg	0.714	0.319	1	A
Alpha-BHC	ND		ug/kg	0.714	0.203	1	A
Beta-BHC	ND		ug/kg	1.71	0.650	1	A
Heptachlor	ND		ug/kg	0.857	0.384	1	A
Aldrin	ND		ug/kg	1.71	0.603	1	A
Heptachlor epoxide	ND		ug/kg	3.21	0.964	1	A
Endrin	ND		ug/kg	0.714	0.293	1	A
Endrin aldehyde	ND		ug/kg	2.14	0.750	1	A
Endrin ketone	ND		ug/kg	1.71	0.441	1	A
Dieldrin	25.3		ug/kg	1.07	0.535	1	A
4,4'-DDE	367	E	ug/kg	1.71	0.396	1	A
4,4'-DDD	8.88		ug/kg	1.71	0.611	1	A
4,4'-DDT	512	E	ug/kg	3.21	1.38	1	A
Endosulfan I	ND		ug/kg	1.71	0.405	1	A
Endosulfan II	ND		ug/kg	1.71	0.572	1	A
Endosulfan sulfate	ND		ug/kg	0.714	0.340	1	A
Methoxychlor	ND		ug/kg	3.21	1.00	1	A
Toxaphene	ND		ug/kg	32.1	9.00	1	A
cis-Chlordane	ND		ug/kg	2.14	0.597	1	A
trans-Chlordane	ND		ug/kg	2.14	0.565	1	A
Chlordane	ND		ug/kg	14.3	5.68	1	A

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156337-09
Client ID: GRID I_0-2
Sample Location: Not Specified

Date Collected: 10/14/21 13:18
Date Received: 10/14/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column

Organochlorine Pesticides by GC - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		30-150	A
Decachlorobiphenyl	111		30-150	A
2,4,5,6-Tetrachloro-m-xylene	81		30-150	B
Decachlorobiphenyl	91		30-150	B

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156337-09 **D**
Client ID: GRID I_0-2
Sample Location: Not Specified

Date Collected: 10/14/21 13:18
Date Received: 10/14/21
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 10/20/21 10:34
Analyst: SDC
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 10/16/21 04:25
Cleanup Method: EPA 3620B
Cleanup Date: 10/17/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
4,4'-DDE	269		ug/kg	17.1	3.96	10	A
4,4'-DDT	427		ug/kg	32.1	13.8	10	B

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156337-10
Client ID: GRID I_18-24
Sample Location: Not Specified

Date Collected: 10/14/21 13:18
Date Received: 10/14/21
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 10/28/21 17:01
Analyst: AR
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 10/26/21 01:02
Cleanup Method: EPA 3620B
Cleanup Date: 10/27/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.67	0.327	1	A
Lindane	ND		ug/kg	0.696	0.311	1	A
Alpha-BHC	ND		ug/kg	0.696	0.198	1	A
Beta-BHC	ND		ug/kg	1.67	0.633	1	A
Heptachlor	ND		ug/kg	0.835	0.374	1	A
Aldrin	ND		ug/kg	1.67	0.588	1	A
Heptachlor epoxide	ND		ug/kg	3.13	0.939	1	A
Endrin	ND		ug/kg	0.696	0.285	1	A
Endrin aldehyde	ND		ug/kg	2.09	0.730	1	A
Endrin ketone	ND		ug/kg	1.67	0.430	1	A
Dieldrin	3.31		ug/kg	1.04	0.522	1	A
4,4'-DDE	55.4		ug/kg	1.67	0.386	1	B
4,4'-DDD	0.830	J	ug/kg	1.67	0.595	1	B
4,4'-DDT	98.3		ug/kg	3.13	1.34	1	A
Endosulfan I	ND		ug/kg	1.67	0.394	1	A
Endosulfan II	0.823	J	ug/kg	1.67	0.558	1	A
Endosulfan sulfate	3.53		ug/kg	0.696	0.331	1	B
Methoxychlor	ND		ug/kg	3.13	0.974	1	A
Toxaphene	ND		ug/kg	31.3	8.76	1	A
cis-Chlordane	ND		ug/kg	2.09	0.581	1	A
trans-Chlordane	ND		ug/kg	2.09	0.551	1	A
Chlordane	ND		ug/kg	13.9	5.53	1	A

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156337-10
Client ID: GRID I_18-24
Sample Location: Not Specified

Date Collected: 10/14/21 13:18
Date Received: 10/14/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	100		30-150	A
Decachlorobiphenyl	109		30-150	A
2,4,5,6-Tetrachloro-m-xylene	82		30-150	B
Decachlorobiphenyl	107		30-150	B

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156337-11
Client ID: GRID J_0-2
Sample Location: Not Specified

Date Collected: 10/14/21 13:50
Date Received: 10/14/21
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 10/18/21 14:33
Analyst: SDC
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 10/16/21 04:25
Cleanup Method: EPA 3620B
Cleanup Date: 10/17/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.65	0.322	1	A
Lindane	ND		ug/kg	0.686	0.307	1	A
Alpha-BHC	ND		ug/kg	0.686	0.195	1	A
Beta-BHC	ND		ug/kg	1.65	0.624	1	A
Heptachlor	ND		ug/kg	0.824	0.369	1	A
Aldrin	ND		ug/kg	1.65	0.580	1	A
Heptachlor epoxide	ND		ug/kg	3.09	0.926	1	A
Endrin	ND		ug/kg	0.686	0.281	1	A
Endrin aldehyde	ND		ug/kg	2.06	0.721	1	A
Endrin ketone	ND		ug/kg	1.65	0.424	1	A
Dieldrin	20.2		ug/kg	1.03	0.515	1	A
4,4'-DDE	325	E	ug/kg	1.65	0.381	1	A
4,4'-DDD	5.60		ug/kg	1.65	0.588	1	B
4,4'-DDT	524	E	ug/kg	3.09	1.32	1	A
Endosulfan I	ND		ug/kg	1.65	0.389	1	A
Endosulfan II	ND		ug/kg	1.65	0.550	1	A
Endosulfan sulfate	ND		ug/kg	0.686	0.327	1	A
Methoxychlor	ND		ug/kg	3.09	0.961	1	A
Toxaphene	ND		ug/kg	30.9	8.65	1	A
cis-Chlordane	ND		ug/kg	2.06	0.574	1	A
trans-Chlordane	ND		ug/kg	2.06	0.544	1	A
Chlordane	ND		ug/kg	13.7	5.46	1	A

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156337-11
Client ID: GRID J_0-2
Sample Location: Not Specified

Date Collected: 10/14/21 13:50
Date Received: 10/14/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column

Organochlorine Pesticides by GC - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		30-150	A
Decachlorobiphenyl	106		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	76		30-150	B

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156337-11 D
 Client ID: GRID J_0-2
 Sample Location: Not Specified

Date Collected: 10/14/21 13:50
 Date Received: 10/14/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8081B
 Analytical Date: 10/20/21 10:45
 Analyst: SDC
 Percent Solids: 93%

Extraction Method: EPA 3546
 Extraction Date: 10/16/21 04:25
 Cleanup Method: EPA 3620B
 Cleanup Date: 10/17/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
4,4'-DDE	272		ug/kg	16.5	3.81	10	A
4,4'-DDT	502		ug/kg	30.9	13.2	10	B

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156337-12
Client ID: GRID J_18-24
Sample Location: Not Specified

Date Collected: 10/14/21 13:50
Date Received: 10/14/21
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 10/28/21 17:13
Analyst: AR
Percent Solids: 97%

Extraction Method: EPA 3546
Extraction Date: 10/26/21 01:02
Cleanup Method: EPA 3620B
Cleanup Date: 10/27/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.64	0.320	1	A
Lindane	ND		ug/kg	0.682	0.305	1	A
Alpha-BHC	ND		ug/kg	0.682	0.194	1	A
Beta-BHC	ND		ug/kg	1.64	0.620	1	A
Heptachlor	ND		ug/kg	0.818	0.367	1	A
Aldrin	ND		ug/kg	1.64	0.576	1	A
Heptachlor epoxide	ND		ug/kg	3.07	0.920	1	A
Endrin	ND		ug/kg	0.682	0.280	1	A
Endrin aldehyde	ND		ug/kg	2.04	0.716	1	A
Endrin ketone	ND		ug/kg	1.64	0.421	1	A
Dieldrin	0.595	J	ug/kg	1.02	0.511	1	A
4,4'-DDE	11.1		ug/kg	1.64	0.378	1	A
4,4'-DDD	ND		ug/kg	1.64	0.584	1	A
4,4'-DDT	19.2		ug/kg	3.07	1.32	1	A
Endosulfan I	ND		ug/kg	1.64	0.386	1	A
Endosulfan II	ND		ug/kg	1.64	0.547	1	A
Endosulfan sulfate	ND		ug/kg	0.682	0.324	1	A
Methoxychlor	ND		ug/kg	3.07	0.954	1	A
Toxaphene	ND		ug/kg	30.7	8.59	1	A
cis-Chlordane	ND		ug/kg	2.04	0.570	1	A
trans-Chlordane	ND		ug/kg	2.04	0.540	1	A
Chlordane	ND		ug/kg	13.6	5.42	1	A

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156337-12
Client ID: GRID J_18-24
Sample Location: Not Specified

Date Collected: 10/14/21 13:50
Date Received: 10/14/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column

Organochlorine Pesticides by GC - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	102		30-150	A
Decachlorobiphenyl	116		30-150	A
2,4,5,6-Tetrachloro-m-xylene	80		30-150	B
Decachlorobiphenyl	110		30-150	B

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156337-13
Client ID: GRID K_0-2
Sample Location: Not Specified

Date Collected: 10/14/21 15:10
Date Received: 10/14/21
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 10/18/21 14:45
Analyst: SDC
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 10/16/21 04:25
Cleanup Method: EPA 3620B
Cleanup Date: 10/17/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.70	0.333	1	A
Lindane	ND		ug/kg	0.708	0.316	1	A
Alpha-BHC	ND		ug/kg	0.708	0.201	1	A
Beta-BHC	ND		ug/kg	1.70	0.644	1	A
Heptachlor	ND		ug/kg	0.850	0.381	1	A
Aldrin	ND		ug/kg	1.70	0.598	1	A
Heptachlor epoxide	ND		ug/kg	3.18	0.956	1	A
Endrin	ND		ug/kg	0.708	0.290	1	A
Endrin aldehyde	ND		ug/kg	2.12	0.743	1	A
Endrin ketone	ND		ug/kg	1.70	0.438	1	A
Dieldrin	30.0		ug/kg	1.06	0.531	1	A
4,4'-DDE	427	E	ug/kg	1.70	0.393	1	A
4,4'-DDD	9.79		ug/kg	1.70	0.606	1	B
4,4'-DDT	721	E	ug/kg	3.18	1.37	1	A
Endosulfan I	ND		ug/kg	1.70	0.401	1	A
Endosulfan II	ND		ug/kg	1.70	0.568	1	A
Endosulfan sulfate	ND		ug/kg	0.708	0.337	1	A
Methoxychlor	ND		ug/kg	3.18	0.991	1	A
Toxaphene	ND		ug/kg	31.8	8.92	1	A
cis-Chlordane	ND		ug/kg	2.12	0.592	1	A
trans-Chlordane	ND		ug/kg	2.12	0.561	1	A
Chlordane	ND		ug/kg	14.2	5.63	1	A

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156337-13
Client ID: GRID K_0-2
Sample Location: Not Specified

Date Collected: 10/14/21 15:10
Date Received: 10/14/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column

Organochlorine Pesticides by GC - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		30-150	A
Decachlorobiphenyl	107		30-150	A
2,4,5,6-Tetrachloro-m-xylene	85		30-150	B
Decachlorobiphenyl	75		30-150	B

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156337-13 D
 Client ID: GRID K_0-2
 Sample Location: Not Specified

Date Collected: 10/14/21 15:10
 Date Received: 10/14/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8081B
 Analytical Date: 10/20/21 11:07
 Analyst: AR
 Percent Solids: 93%

Extraction Method: EPA 3546
 Extraction Date: 10/16/21 04:25
 Cleanup Method: EPA 3620B
 Cleanup Date: 10/17/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
4,4'-DDE	378		ug/kg	34.0	7.86	20	A
4,4'-DDT	764		ug/kg	63.7	27.3	20	B

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156337-14
Client ID: GRID K_18-24
Sample Location: Not Specified

Date Collected: 10/14/21 15:10
Date Received: 10/14/21
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 10/28/21 17:26
Analyst: AR
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 10/26/21 01:02
Cleanup Method: EPA 3620B
Cleanup Date: 10/27/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.63	0.320	1	A
Lindane	ND		ug/kg	0.680	0.304	1	A
Alpha-BHC	ND		ug/kg	0.680	0.193	1	A
Beta-BHC	ND		ug/kg	1.63	0.619	1	A
Heptachlor	ND		ug/kg	0.816	0.366	1	A
Aldrin	ND		ug/kg	1.63	0.575	1	A
Heptachlor epoxide	ND		ug/kg	3.06	0.918	1	A
Endrin	ND		ug/kg	0.680	0.279	1	A
Endrin aldehyde	ND		ug/kg	2.04	0.714	1	A
Endrin ketone	ND		ug/kg	1.63	0.420	1	A
Dieldrin	0.768	J	ug/kg	1.02	0.510	1	A
4,4'-DDE	10.6		ug/kg	1.63	0.378	1	B
4,4'-DDD	ND		ug/kg	1.63	0.582	1	A
4,4'-DDT	21.3		ug/kg	3.06	1.31	1	B
Endosulfan I	ND		ug/kg	1.63	0.386	1	A
Endosulfan II	ND		ug/kg	1.63	0.546	1	A
Endosulfan sulfate	0.687	IP	ug/kg	0.680	0.324	1	A
Methoxychlor	ND		ug/kg	3.06	0.952	1	A
Toxaphene	ND		ug/kg	30.6	8.57	1	A
cis-Chlordane	ND		ug/kg	2.04	0.569	1	A
trans-Chlordane	ND		ug/kg	2.04	0.539	1	A
Chlordane	ND		ug/kg	13.6	5.41	1	A

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156337-14
Client ID: GRID K_18-24
Sample Location: Not Specified

Date Collected: 10/14/21 15:10
Date Received: 10/14/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	91		30-150	A
Decachlorobiphenyl	107		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	108		30-150	B

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156337-15
Client ID: GRID U_0-2
Sample Location: Not Specified

Date Collected: 10/14/21 08:39
Date Received: 10/14/21
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 10/18/21 14:56
Analyst: JAW
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 10/16/21 04:25
Cleanup Method: EPA 3620B
Cleanup Date: 10/17/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.74	0.342	1	A
Lindane	ND		ug/kg	0.727	0.325	1	A
Alpha-BHC	ND		ug/kg	0.727	0.206	1	A
Beta-BHC	ND		ug/kg	1.74	0.662	1	A
Heptachlor	ND		ug/kg	0.873	0.391	1	A
Aldrin	ND		ug/kg	1.74	0.614	1	A
Heptachlor epoxide	ND		ug/kg	3.27	0.982	1	A
Endrin	ND		ug/kg	0.727	0.298	1	A
Endrin aldehyde	ND		ug/kg	2.18	0.764	1	A
Endrin ketone	ND		ug/kg	1.74	0.449	1	A
Dieldrin	6.08	P	ug/kg	1.09	0.545	1	A
4,4'-DDE	47.3		ug/kg	1.74	0.404	1	A
4,4'-DDD	3.06	P	ug/kg	1.74	0.622	1	B
4,4'-DDT	89.2		ug/kg	3.27	1.40	1	A
Endosulfan I	ND		ug/kg	1.74	0.412	1	A
Endosulfan II	ND		ug/kg	1.74	0.583	1	A
Endosulfan sulfate	ND		ug/kg	0.727	0.346	1	A
Methoxychlor	ND		ug/kg	3.27	1.02	1	A
Toxaphene	ND		ug/kg	32.7	9.16	1	A
cis-Chlordane	ND		ug/kg	2.18	0.608	1	A
trans-Chlordane	ND		ug/kg	2.18	0.576	1	A
Chlordane	ND		ug/kg	14.5	5.78	1	A

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156337-15
Client ID: GRID U_0-2
Sample Location: Not Specified

Date Collected: 10/14/21 08:39
Date Received: 10/14/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column

Organochlorine Pesticides by GC - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		30-150	A
Decachlorobiphenyl	103		30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		30-150	B
Decachlorobiphenyl	76		30-150	B

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156337-16
Client ID: GRID U_18-24
Sample Location: Not Specified

Date Collected: 10/14/21 08:39
Date Received: 10/14/21
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 10/28/21 17:38
Analyst: AR
Percent Solids: 84%

Extraction Method: EPA 3546
Extraction Date: 10/26/21 01:02
Cleanup Method: EPA 3620B
Cleanup Date: 10/27/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.78	0.350	1	A
Lindane	ND		ug/kg	0.744	0.333	1	A
Alpha-BHC	ND		ug/kg	0.744	0.211	1	A
Beta-BHC	ND		ug/kg	1.78	0.677	1	A
Heptachlor	ND		ug/kg	0.893	0.400	1	A
Aldrin	ND		ug/kg	1.78	0.629	1	A
Heptachlor epoxide	ND		ug/kg	3.35	1.00	1	A
Endrin	ND		ug/kg	0.744	0.305	1	A
Endrin aldehyde	ND		ug/kg	2.23	0.781	1	A
Endrin ketone	ND		ug/kg	1.78	0.460	1	A
Dieldrin	ND		ug/kg	1.12	0.558	1	A
4,4'-DDE	2.44		ug/kg	1.78	0.413	1	A
4,4'-DDD	ND		ug/kg	1.78	0.637	1	A
4,4'-DDT	4.92		ug/kg	3.35	1.44	1	A
Endosulfan I	ND		ug/kg	1.78	0.422	1	A
Endosulfan II	ND		ug/kg	1.78	0.597	1	A
Endosulfan sulfate	ND		ug/kg	0.744	0.354	1	A
Methoxychlor	ND		ug/kg	3.35	1.04	1	A
Toxaphene	ND		ug/kg	33.5	9.38	1	A
cis-Chlordane	ND		ug/kg	2.23	0.622	1	A
trans-Chlordane	ND		ug/kg	2.23	0.589	1	A
Chlordane	ND		ug/kg	14.9	5.92	1	A

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156337-16
Client ID: GRID U_18-24
Sample Location: Not Specified

Date Collected: 10/14/21 08:39
Date Received: 10/14/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	91		30-150	A
Decachlorobiphenyl	101		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		30-150	B
Decachlorobiphenyl	98		30-150	B

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156337-17
Client ID: GRID V_0-2
Sample Location: Not Specified

Date Collected: 10/14/21 10:20
Date Received: 10/14/21
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 10/18/21 15:07
Analyst: JAW
Percent Solids: 77%

Extraction Method: EPA 3546
Extraction Date: 10/16/21 04:26
Cleanup Method: EPA 3620B
Cleanup Date: 10/17/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	2.05	0.401	1	A
Lindane	ND		ug/kg	0.854	0.382	1	A
Alpha-BHC	ND		ug/kg	0.854	0.242	1	A
Beta-BHC	ND		ug/kg	2.05	0.777	1	A
Heptachlor	ND		ug/kg	1.02	0.459	1	A
Aldrin	ND		ug/kg	2.05	0.721	1	A
Heptachlor epoxide	ND		ug/kg	3.84	1.15	1	A
Endrin	ND		ug/kg	0.854	0.350	1	A
Endrin aldehyde	ND		ug/kg	2.56	0.896	1	A
Endrin ketone	ND		ug/kg	2.05	0.528	1	A
Dieldrin	2.29	P	ug/kg	1.28	0.640	1	A
4,4'-DDE	16.8		ug/kg	2.05	0.474	1	A
4,4'-DDD	ND		ug/kg	2.05	0.731	1	A
4,4'-DDT	36.7		ug/kg	3.84	1.65	1	A
Endosulfan I	ND		ug/kg	2.05	0.484	1	A
Endosulfan II	ND		ug/kg	2.05	0.685	1	A
Endosulfan sulfate	ND		ug/kg	0.854	0.406	1	A
Methoxychlor	ND		ug/kg	3.84	1.20	1	A
Toxaphene	ND		ug/kg	38.4	10.8	1	A
cis-Chlordane	ND		ug/kg	2.56	0.714	1	A
trans-Chlordane	ND		ug/kg	2.56	0.676	1	A
Chlordane	ND		ug/kg	17.1	6.79	1	A

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156337-17
Client ID: GRID V_0-2
Sample Location: Not Specified

Date Collected: 10/14/21 10:20
Date Received: 10/14/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		30-150	A
Decachlorobiphenyl	111		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		30-150	B
Decachlorobiphenyl	78		30-150	B

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156337-18
Client ID: GRID V_18-24
Sample Location: Not Specified

Date Collected: 10/14/21 10:20
Date Received: 10/14/21
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 10/28/21 17:51
Analyst: AR
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 10/26/21 01:02
Cleanup Method: EPA 3620B
Cleanup Date: 10/27/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.67	0.327	1	A
Lindane	ND		ug/kg	0.697	0.311	1	A
Alpha-BHC	ND		ug/kg	0.697	0.198	1	A
Beta-BHC	ND		ug/kg	1.67	0.634	1	A
Heptachlor	ND		ug/kg	0.836	0.375	1	A
Aldrin	ND		ug/kg	1.67	0.589	1	A
Heptachlor epoxide	ND		ug/kg	3.14	0.940	1	A
Endrin	1.82		ug/kg	0.697	0.286	1	B
Endrin aldehyde	ND		ug/kg	2.09	0.732	1	A
Endrin ketone	ND		ug/kg	1.67	0.430	1	A
Dieldrin	12.4		ug/kg	1.04	0.522	1	A
4,4'-DDE	134		ug/kg	1.67	0.387	1	B
4,4'-DDD	3.42	IP	ug/kg	1.67	0.596	1	A
4,4'-DDT	325	E	ug/kg	3.14	1.34	1	A
Endosulfan I	ND		ug/kg	1.67	0.395	1	A
Endosulfan II	1.52	J	ug/kg	1.67	0.559	1	B
Endosulfan sulfate	10.8		ug/kg	0.697	0.332	1	A
Methoxychlor	2.74	JIP	ug/kg	3.14	0.975	1	B
Toxaphene	ND		ug/kg	31.4	8.78	1	A
cis-Chlordane	ND		ug/kg	2.09	0.582	1	A
trans-Chlordane	ND		ug/kg	2.09	0.552	1	A
Chlordane	ND		ug/kg	13.9	5.54	1	A

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156337-18
Client ID: GRID V_18-24
Sample Location: Not Specified

Date Collected: 10/14/21 10:20
Date Received: 10/14/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	90		30-150	A
Decachlorobiphenyl	105		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		30-150	B
Decachlorobiphenyl	100		30-150	B

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156337-18 D
 Client ID: GRID V_18-24
 Sample Location: Not Specified

Date Collected: 10/14/21 10:20
 Date Received: 10/14/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8081B
 Analytical Date: 10/29/21 11:42
 Analyst: AR
 Percent Solids: 91%

Extraction Method: EPA 3546
 Extraction Date: 10/26/21 01:02
 Cleanup Method: EPA 3620B
 Cleanup Date: 10/27/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
4,4'-DDT	335		ug/kg	15.7	6.72	5	B

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156337-19
Client ID: GRID W_0-2
Sample Location: Not Specified

Date Collected: 10/14/21 12:11
Date Received: 10/14/21
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 10/18/21 15:18
Analyst: JAW
Percent Solids: 78%

Extraction Method: EPA 3546
Extraction Date: 10/16/21 04:26
Cleanup Method: EPA 3620B
Cleanup Date: 10/17/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.97	0.386	1	A
Lindane	ND		ug/kg	0.820	0.367	1	A
Alpha-BHC	ND		ug/kg	0.820	0.233	1	A
Beta-BHC	ND		ug/kg	1.97	0.746	1	A
Heptachlor	ND		ug/kg	0.984	0.441	1	A
Aldrin	ND		ug/kg	1.97	0.693	1	A
Heptachlor epoxide	ND		ug/kg	3.69	1.11	1	A
Endrin	ND		ug/kg	0.820	0.336	1	A
Endrin aldehyde	ND		ug/kg	2.46	0.861	1	A
Endrin ketone	ND		ug/kg	1.97	0.507	1	A
Dieldrin	2.52		ug/kg	1.23	0.615	1	A
4,4'-DDE	38.5		ug/kg	1.97	0.455	1	A
4,4'-DDD	ND		ug/kg	1.97	0.702	1	A
4,4'-DDT	53.0		ug/kg	3.69	1.58	1	A
Endosulfan I	ND		ug/kg	1.97	0.465	1	A
Endosulfan II	ND		ug/kg	1.97	0.658	1	A
Endosulfan sulfate	ND		ug/kg	0.820	0.390	1	A
Methoxychlor	ND		ug/kg	3.69	1.15	1	A
Toxaphene	ND		ug/kg	36.9	10.3	1	A
cis-Chlordane	ND		ug/kg	2.46	0.686	1	A
trans-Chlordane	ND		ug/kg	2.46	0.650	1	A
Chlordane	ND		ug/kg	16.4	6.52	1	A

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156337-19
Client ID: GRID W_0-2
Sample Location: Not Specified

Date Collected: 10/14/21 12:11
Date Received: 10/14/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column

Organochlorine Pesticides by GC - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	91		30-150	A
Decachlorobiphenyl	109		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		30-150	B
Decachlorobiphenyl	83		30-150	B

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156337-20
Client ID: GRID W_18-24
Sample Location: Not Specified

Date Collected: 10/14/21 12:11
Date Received: 10/14/21
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 10/28/21 18:03
Analyst: AR
Percent Solids: 95%

Extraction Method: EPA 3546
Extraction Date: 10/26/21 01:02
Cleanup Method: EPA 3620B
Cleanup Date: 10/27/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.64	0.321	1	A
Lindane	ND		ug/kg	0.683	0.305	1	A
Alpha-BHC	ND		ug/kg	0.683	0.194	1	A
Beta-BHC	ND		ug/kg	1.64	0.622	1	A
Heptachlor	ND		ug/kg	0.820	0.367	1	A
Aldrin	ND		ug/kg	1.64	0.577	1	A
Heptachlor epoxide	ND		ug/kg	3.07	0.922	1	A
Endrin	ND		ug/kg	0.683	0.280	1	A
Endrin aldehyde	ND		ug/kg	2.05	0.717	1	A
Endrin ketone	ND		ug/kg	1.64	0.422	1	A
Dieldrin	ND		ug/kg	1.02	0.512	1	B
4,4'-DDE	5.43		ug/kg	1.64	0.379	1	B
4,4'-DDD	ND		ug/kg	1.64	0.585	1	A
4,4'-DDT	8.67		ug/kg	3.07	1.32	1	A
Endosulfan I	ND		ug/kg	1.64	0.387	1	A
Endosulfan II	ND		ug/kg	1.64	0.548	1	A
Endosulfan sulfate	ND		ug/kg	0.683	0.325	1	A
Methoxychlor	ND		ug/kg	3.07	0.956	1	A
Toxaphene	ND		ug/kg	30.7	8.61	1	A
cis-Chlordane	ND		ug/kg	2.05	0.571	1	A
trans-Chlordane	ND		ug/kg	2.05	0.541	1	A
Chlordane	ND		ug/kg	13.7	5.43	1	A

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156337-20
Client ID: GRID W_18-24
Sample Location: Not Specified

Date Collected: 10/14/21 12:11
Date Received: 10/14/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	111		30-150	A
Decachlorobiphenyl	114		30-150	A
2,4,5,6-Tetrachloro-m-xylene	92		30-150	B
Decachlorobiphenyl	121		30-150	B

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156337-21
Client ID: GRID X_0-2
Sample Location: Not Specified

Date Collected: 10/14/21 12:46
Date Received: 10/14/21
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 10/18/21 15:29
Analyst: JAW
Percent Solids: 97%

Extraction Method: EPA 3546
Extraction Date: 10/16/21 04:26
Cleanup Method: EPA 3620B
Cleanup Date: 10/17/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.62	0.318	1	A
Lindane	ND		ug/kg	0.676	0.302	1	A
Alpha-BHC	ND		ug/kg	0.676	0.192	1	A
Beta-BHC	ND		ug/kg	1.62	0.615	1	A
Heptachlor	ND		ug/kg	0.811	0.364	1	A
Aldrin	ND		ug/kg	1.62	0.571	1	A
Heptachlor epoxide	ND		ug/kg	3.04	0.912	1	A
Endrin	ND		ug/kg	0.676	0.277	1	A
Endrin aldehyde	ND		ug/kg	2.03	0.710	1	A
Endrin ketone	ND		ug/kg	1.62	0.418	1	A
Dieldrin	ND		ug/kg	1.01	0.507	1	A
4,4'-DDE	6.76		ug/kg	1.62	0.375	1	A
4,4'-DDD	1.34	JP	ug/kg	1.62	0.578	1	B
4,4'-DDT	13.9		ug/kg	3.04	1.30	1	A
Endosulfan I	ND		ug/kg	1.62	0.383	1	A
Endosulfan II	ND		ug/kg	1.62	0.542	1	A
Endosulfan sulfate	ND		ug/kg	0.676	0.322	1	A
Methoxychlor	ND		ug/kg	3.04	0.946	1	A
Toxaphene	ND		ug/kg	30.4	8.51	1	A
cis-Chlordane	ND		ug/kg	2.03	0.565	1	A
trans-Chlordane	ND		ug/kg	2.03	0.535	1	A
Chlordane	ND		ug/kg	13.5	5.37	1	A

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156337-21
Client ID: GRID X_0-2
Sample Location: Not Specified

Date Collected: 10/14/21 12:46
Date Received: 10/14/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column

Organochlorine Pesticides by GC - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		30-150	A
Decachlorobiphenyl	97		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	72		30-150	B

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156337-21
Client ID: GRID X_0-2
Sample Location: Not Specified

Date Collected: 10/14/21 12:46
Date Received: 10/14/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 10/20/21 18:19
Analyst: AR
Percent Solids: 97%
Methylation Date: 10/20/21 12:46

Extraction Method: EPA 8151A
Extraction Date: 10/19/21 12:50

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column

Chlorinated Herbicides by GC - Westborough Lab

2,4-D	ND		ug/kg	171	10.8	1	A
2,4,5-T	ND		ug/kg	171	5.29	1	A
2,4,5-TP (Silvex)	ND		ug/kg	171	4.54	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	92		30-150	A
DCAA	73		30-150	B

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156337-22
Client ID: GRID X_18-24
Sample Location: Not Specified

Date Collected: 10/14/21 12:46
Date Received: 10/14/21
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 10/28/21 18:16
Analyst: AR
Percent Solids: 98%

Extraction Method: EPA 3546
Extraction Date: 10/26/21 01:02
Cleanup Method: EPA 3620B
Cleanup Date: 10/27/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.58	0.308	1	A
Lindane	ND		ug/kg	0.656	0.293	1	A
Alpha-BHC	ND		ug/kg	0.656	0.186	1	A
Beta-BHC	ND		ug/kg	1.58	0.597	1	A
Heptachlor	ND		ug/kg	0.788	0.353	1	A
Aldrin	ND		ug/kg	1.58	0.555	1	A
Heptachlor epoxide	ND		ug/kg	2.95	0.886	1	A
Endrin	ND		ug/kg	0.656	0.269	1	A
Endrin aldehyde	ND		ug/kg	1.97	0.689	1	A
Endrin ketone	ND		ug/kg	1.58	0.406	1	A
Dieldrin	ND		ug/kg	0.984	0.492	1	A
4,4'-DDE	1.30	J	ug/kg	1.58	0.364	1	B
4,4'-DDD	ND		ug/kg	1.58	0.562	1	A
4,4'-DDT	2.57	J	ug/kg	2.95	1.27	1	B
Endosulfan I	ND		ug/kg	1.58	0.372	1	A
Endosulfan II	ND		ug/kg	1.58	0.526	1	A
Endosulfan sulfate	ND		ug/kg	0.656	0.312	1	A
Methoxychlor	ND		ug/kg	2.95	0.919	1	A
Toxaphene	ND		ug/kg	29.5	8.27	1	A
cis-Chlordane	ND		ug/kg	1.97	0.549	1	A
trans-Chlordane	ND		ug/kg	1.97	0.520	1	A
Chlordane	ND		ug/kg	13.1	5.22	1	A

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156337-22
Client ID: GRID X_18-24
Sample Location: Not Specified

Date Collected: 10/14/21 12:46
Date Received: 10/14/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	96		30-150	A
Decachlorobiphenyl	109		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	109		30-150	B

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156337-23
Client ID: GRID Y_0-2
Sample Location: Not Specified

Date Collected: 10/14/21 14:36
Date Received: 10/14/21
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 10/18/21 15:40
Analyst: JAW
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 10/16/21 04:26
Cleanup Method: EPA 3620B
Cleanup Date: 10/17/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.70	0.332	1	A
Lindane	ND		ug/kg	0.706	0.316	1	A
Alpha-BHC	ND		ug/kg	0.706	0.201	1	A
Beta-BHC	ND		ug/kg	1.70	0.643	1	A
Heptachlor	ND		ug/kg	0.848	0.380	1	A
Aldrin	ND		ug/kg	1.70	0.597	1	A
Heptachlor epoxide	ND		ug/kg	3.18	0.954	1	A
Endrin	ND		ug/kg	0.706	0.290	1	A
Endrin aldehyde	ND		ug/kg	2.12	0.742	1	A
Endrin ketone	ND		ug/kg	1.70	0.437	1	A
Dieldrin	4.27		ug/kg	1.06	0.530	1	A
4,4'-DDE	67.3		ug/kg	1.70	0.392	1	A
4,4'-DDD	1.71		ug/kg	1.70	0.605	1	B
4,4'-DDT	116		ug/kg	3.18	1.36	1	A
Endosulfan I	ND		ug/kg	1.70	0.400	1	A
Endosulfan II	ND		ug/kg	1.70	0.567	1	A
Endosulfan sulfate	ND		ug/kg	0.706	0.336	1	A
Methoxychlor	ND		ug/kg	3.18	0.989	1	A
Toxaphene	ND		ug/kg	31.8	8.90	1	A
cis-Chlordane	ND		ug/kg	2.12	0.591	1	A
trans-Chlordane	ND		ug/kg	2.12	0.560	1	A
Chlordane	ND		ug/kg	14.1	5.62	1	A

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156337-23
Client ID: GRID Y_0-2
Sample Location: Not Specified

Date Collected: 10/14/21 14:36
Date Received: 10/14/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column

Organochlorine Pesticides by GC - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		30-150	A
Decachlorobiphenyl	95		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	72		30-150	B

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156337-24
Client ID: GRID Y_18-24
Sample Location: Not Specified

Date Collected: 10/14/21 14:36
Date Received: 10/14/21
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 10/28/21 18:29
Analyst: AR
Percent Solids: 98%

Extraction Method: EPA 3546
Extraction Date: 10/26/21 01:02
Cleanup Method: EPA 3620B
Cleanup Date: 10/27/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.61	0.316	1	A
Lindane	ND		ug/kg	0.672	0.300	1	A
Alpha-BHC	ND		ug/kg	0.672	0.191	1	A
Beta-BHC	ND		ug/kg	1.61	0.611	1	A
Heptachlor	ND		ug/kg	0.806	0.361	1	A
Aldrin	ND		ug/kg	1.61	0.568	1	A
Heptachlor epoxide	ND		ug/kg	3.02	0.907	1	A
Endrin	ND		ug/kg	0.672	0.275	1	A
Endrin aldehyde	ND		ug/kg	2.02	0.705	1	A
Endrin ketone	ND		ug/kg	1.61	0.415	1	A
Dieldrin	ND		ug/kg	1.01	0.504	1	B
4,4'-DDE	1.42	J	ug/kg	1.61	0.373	1	B
4,4'-DDD	ND		ug/kg	1.61	0.575	1	A
4,4'-DDT	3.38		ug/kg	3.02	1.30	1	B
Endosulfan I	ND		ug/kg	1.61	0.381	1	A
Endosulfan II	ND		ug/kg	1.61	0.539	1	A
Endosulfan sulfate	ND		ug/kg	0.672	0.320	1	A
Methoxychlor	ND		ug/kg	3.02	0.941	1	A
Toxaphene	ND		ug/kg	30.2	8.46	1	A
cis-Chlordane	ND		ug/kg	2.02	0.562	1	A
trans-Chlordane	ND		ug/kg	2.02	0.532	1	A
Chlordane	ND		ug/kg	13.4	5.34	1	A

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156337-24
Client ID: GRID Y_18-24
Sample Location: Not Specified

Date Collected: 10/14/21 14:36
Date Received: 10/14/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column

Organochlorine Pesticides by GC - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	89		30-150	A
Decachlorobiphenyl	101		30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		30-150	B
Decachlorobiphenyl	101		30-150	B

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 10/18/21 12:08
Analyst: SDC

Extraction Method: EPA 3546
Extraction Date: 10/16/21 04:25
Cleanup Method: EPA 3620B
Cleanup Date: 10/17/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01,03,05,07,09,11,13,15,17,19,21,23 Batch: WG1559426-1						
Delta-BHC	ND		ug/kg	1.58	0.310	A
Lindane	ND		ug/kg	0.660	0.295	A
Alpha-BHC	ND		ug/kg	0.660	0.188	A
Beta-BHC	ND		ug/kg	1.58	0.601	A
Heptachlor	ND		ug/kg	0.793	0.355	A
Aldrin	ND		ug/kg	1.58	0.558	A
Heptachlor epoxide	ND		ug/kg	2.97	0.892	A
Endrin	ND		ug/kg	0.660	0.271	A
Endrin aldehyde	ND		ug/kg	1.98	0.694	A
Endrin ketone	ND		ug/kg	1.58	0.408	A
Dieldrin	ND		ug/kg	0.991	0.495	A
4,4'-DDE	ND		ug/kg	1.58	0.366	A
4,4'-DDD	ND		ug/kg	1.58	0.565	A
4,4'-DDT	ND		ug/kg	2.97	1.27	A
Endosulfan I	ND		ug/kg	1.58	0.374	A
Endosulfan II	ND		ug/kg	1.58	0.530	A
Endosulfan sulfate	ND		ug/kg	0.660	0.314	A
Methoxychlor	ND		ug/kg	2.97	0.925	A
Toxaphene	ND		ug/kg	29.7	8.32	A
cis-Chlordane	ND		ug/kg	1.98	0.552	A
trans-Chlordane	ND		ug/kg	1.98	0.523	A
Chlordane	ND		ug/kg	13.2	5.25	A

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
 Analytical Date: 10/18/21 12:08
 Analyst: SDC

Extraction Method: EPA 3546
 Extraction Date: 10/16/21 04:25
 Cleanup Method: EPA 3620B
 Cleanup Date: 10/17/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01,03,05,07,09,11,13,15,17,19,21,23 Batch: WG1559426-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	84		30-150	A
Decachlorobiphenyl	109		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	76		30-150	B

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 10/20/21 18:56
Analyst: AR

Extraction Method: EPA 8151A
Extraction Date: 10/19/21 12:49

Methylation Date: 10/20/21 12:46

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 03,21 Batch: WG1560477-1						
2,4-D	ND		ug/kg	162	10.2	A
2,4,5-T	ND		ug/kg	162	5.01	A
2,4,5-TP (Silvex)	ND		ug/kg	162	4.30	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	76		30-150	A
DCAA	70		30-150	B

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 10/26/21 08:50
Analyst: SDC

Extraction Method: EPA 3546
Extraction Date: 10/26/21 01:02
Cleanup Method: EPA 3620B
Cleanup Date: 10/26/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 04,06,08,10,12,14,16,18,20,22,24 Batch: WG1562985-1						
Delta-BHC	ND		ug/kg	1.52	0.297	A
Lindane	ND		ug/kg	0.632	0.282	A
Alpha-BHC	ND		ug/kg	0.632	0.179	A
Beta-BHC	ND		ug/kg	1.52	0.575	A
Heptachlor	ND		ug/kg	0.758	0.340	A
Aldrin	ND		ug/kg	1.52	0.534	A
Heptachlor epoxide	ND		ug/kg	2.84	0.853	A
Endrin	ND		ug/kg	0.632	0.259	A
Endrin aldehyde	ND		ug/kg	1.90	0.663	A
Endrin ketone	ND		ug/kg	1.52	0.390	A
Dieldrin	ND		ug/kg	0.948	0.474	A
4,4'-DDE	ND		ug/kg	1.52	0.351	A
4,4'-DDD	ND		ug/kg	1.52	0.541	A
4,4'-DDT	ND		ug/kg	2.84	1.22	A
Endosulfan I	ND		ug/kg	1.52	0.358	A
Endosulfan II	ND		ug/kg	1.52	0.507	A
Endosulfan sulfate	ND		ug/kg	0.632	0.301	A
Methoxychlor	ND		ug/kg	2.84	0.884	A
Toxaphene	ND		ug/kg	28.4	7.96	A
cis-Chlordane	ND		ug/kg	1.90	0.528	A
trans-Chlordane	ND		ug/kg	1.90	0.500	A
Chlordane	ND		ug/kg	12.6	5.02	A

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 10/26/21 08:50
Analyst: SDC

Extraction Method: EPA 3546
Extraction Date: 10/26/21 01:02
Cleanup Method: EPA 3620B
Cleanup Date: 10/26/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 04,06,08,10,12,14,16,18,20,22,24 Batch: WG1562985-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		30-150	A
Decachlorobiphenyl	90		30-150	A
2,4,5,6-Tetrachloro-m-xylene	83		30-150	B
Decachlorobiphenyl	106		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01,03,05,07,09,11,13,15,17,19,21,23 Batch: WG1559426-2 WG1559426-3									
Delta-BHC	86		81		30-150	6		30	A
Lindane	87		84		30-150	4		30	A
Alpha-BHC	83		82		30-150	1		30	A
Beta-BHC	90		90		30-150	0		30	A
Heptachlor	95		94		30-150	1		30	A
Aldrin	90		89		30-150	1		30	A
Heptachlor epoxide	81		76		30-150	6		30	A
Endrin	91		85		30-150	7		30	A
Endrin aldehyde	70		61		30-150	14		30	A
Endrin ketone	86		84		30-150	2		30	A
Dieldrin	94		89		30-150	5		30	A
4,4'-DDE	88		83		30-150	6		30	A
4,4'-DDD	93		87		30-150	7		30	A
4,4'-DDT	82		80		30-150	2		30	A
Endosulfan I	83		80		30-150	4		30	A
Endosulfan II	87		82		30-150	6		30	A
Endosulfan sulfate	82		80		30-150	2		30	A
Methoxychlor	106		108		30-150	2		30	A
cis-Chlordane	75		73		30-150	3		30	A
trans-Chlordane	106		101		30-150	5		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01,03,05,07,09,11,13,15,17,19,21,23 Batch: WG1559426-2 WG1559426-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	88		85		30-150	A
Decachlorobiphenyl	108		107		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		77		30-150	B
Decachlorobiphenyl	77		72		30-150	B

Lab Control Sample Analysis Batch Quality Control

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 03,21 Batch: WG1560477-2 WG1560477-3									
2,4-D	79		78		30-150	1		30	A
2,4,5-T	74		74		30-150	0		30	A
2,4,5-TP (Silvex)	75		76		30-150	1		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	81		86		30-150	A
DCAA	71		74		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 04,06,08,10,12,14,16,18,20,22,24 Batch: WG1562985-2 WG1562985-3									
Delta-BHC	78		71		30-150	9		30	A
Lindane	87		80		30-150	8		30	A
Alpha-BHC	89		81		30-150	9		30	A
Beta-BHC	85		82		30-150	4		30	A
Heptachlor	90		83		30-150	8		30	A
Aldrin	83		76		30-150	9		30	A
Heptachlor epoxide	85		70		30-150	19		30	A
Endrin	90		81		30-150	11		30	A
Endrin aldehyde	70		65		30-150	7		30	A
Endrin ketone	92		82		30-150	11		30	A
Dieldrin	92		83		30-150	10		30	A
4,4'-DDE	84		78		30-150	7		30	A
4,4'-DDD	89		79		30-150	12		30	A
4,4'-DDT	94		85		30-150	10		30	A
Endosulfan I	84		78		30-150	7		30	A
Endosulfan II	90		87		30-150	3		30	A
Endosulfan sulfate	77		69		30-150	11		30	A
Methoxychlor	87		77		30-150	12		30	A
cis-Chlordane	78		71		30-150	9		30	A
trans-Chlordane	89		79		30-150	12		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 04,06,08,10,12,14,16,18,20,22,24 Batch: WG1562985-2 WG1562985-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		64		30-150	A
Decachlorobiphenyl	96		89		30-150	A
2,4,5,6-Tetrachloro-m-xylene	89		80		30-150	B
Decachlorobiphenyl	114		100		30-150	B

METALS

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156337-01
Client ID: GRID E_0-2
Sample Location: Not Specified

Date Collected: 10/14/21 08:03
Date Received: 10/14/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 78%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	10200		mg/kg	9.88	2.67	2	10/18/21 21:33	10/19/21 15:27	EPA 3050B	1,6010D	GD
Antimony, Total	ND		mg/kg	4.94	0.375	2	10/18/21 21:33	10/19/21 15:27	EPA 3050B	1,6010D	GD
Arsenic, Total	2.80		mg/kg	0.988	0.205	2	10/18/21 21:33	10/19/21 15:27	EPA 3050B	1,6010D	GD
Barium, Total	21.2		mg/kg	0.988	0.172	2	10/18/21 21:33	10/19/21 15:27	EPA 3050B	1,6010D	GD
Beryllium, Total	0.306	J	mg/kg	0.494	0.033	2	10/18/21 21:33	10/19/21 15:27	EPA 3050B	1,6010D	GD
Cadmium, Total	0.118	J	mg/kg	0.988	0.097	2	10/18/21 21:33	10/19/21 15:27	EPA 3050B	1,6010D	GD
Calcium, Total	84.6		mg/kg	9.88	3.46	2	10/18/21 21:33	10/19/21 15:27	EPA 3050B	1,6010D	GD
Chromium, Total	10.3		mg/kg	0.988	0.095	2	10/18/21 21:33	10/19/21 15:27	EPA 3050B	1,6010D	GD
Cobalt, Total	2.91		mg/kg	1.98	0.164	2	10/18/21 21:33	10/19/21 15:27	EPA 3050B	1,6010D	GD
Copper, Total	2.65		mg/kg	0.988	0.255	2	10/18/21 21:33	10/19/21 15:27	EPA 3050B	1,6010D	GD
Iron, Total	10800		mg/kg	4.94	0.892	2	10/18/21 21:33	10/19/21 15:27	EPA 3050B	1,6010D	GD
Lead, Total	6.22		mg/kg	4.94	0.265	2	10/18/21 21:33	10/19/21 15:27	EPA 3050B	1,6010D	GD
Magnesium, Total	848		mg/kg	9.88	1.52	2	10/18/21 21:33	10/19/21 15:27	EPA 3050B	1,6010D	GD
Manganese, Total	54.8		mg/kg	0.988	0.157	2	10/18/21 21:33	10/19/21 15:27	EPA 3050B	1,6010D	GD
Mercury, Total	ND		mg/kg	0.083	0.054	1	10/18/21 22:02	10/19/21 06:04	EPA 7471B	1,7471B	AC
Nickel, Total	5.16		mg/kg	2.47	0.239	2	10/18/21 21:33	10/19/21 15:27	EPA 3050B	1,6010D	GD
Potassium, Total	182	J	mg/kg	247	14.2	2	10/18/21 21:33	10/19/21 15:27	EPA 3050B	1,6010D	GD
Selenium, Total	ND		mg/kg	1.98	0.255	2	10/18/21 21:33	10/19/21 15:27	EPA 3050B	1,6010D	GD
Silver, Total	ND		mg/kg	0.988	0.280	2	10/18/21 21:33	10/19/21 15:27	EPA 3050B	1,6010D	GD
Sodium, Total	19.2	J	mg/kg	198	3.11	2	10/18/21 21:33	10/19/21 15:27	EPA 3050B	1,6010D	GD
Thallium, Total	ND		mg/kg	1.98	0.311	2	10/18/21 21:33	10/19/21 15:27	EPA 3050B	1,6010D	GD
Vanadium, Total	18.7		mg/kg	0.988	0.200	2	10/18/21 21:33	10/19/21 15:27	EPA 3050B	1,6010D	GD
Zinc, Total	13.7		mg/kg	4.94	0.289	2	10/18/21 21:33	10/19/21 15:27	EPA 3050B	1,6010D	GD



Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156337-03
 Client ID: GRID F_0-2
 Sample Location: Not Specified

Date Collected: 10/14/21 09:07
 Date Received: 10/14/21
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil
 Percent Solids: 98%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	2980		mg/kg	8.17	2.21	2	10/18/21 21:33	10/19/21 15:31	EPA 3050B	1,6010D	GD
Antimony, Total	ND		mg/kg	4.08	0.310	2	10/18/21 21:33	10/19/21 15:31	EPA 3050B	1,6010D	GD
Arsenic, Total	3.43		mg/kg	0.817	0.170	2	10/18/21 21:33	10/19/21 15:31	EPA 3050B	1,6010D	GD
Barium, Total	4.60		mg/kg	0.817	0.142	2	10/18/21 21:33	10/19/21 15:31	EPA 3050B	1,6010D	GD
Beryllium, Total	0.065	J	mg/kg	0.408	0.027	2	10/18/21 21:33	10/19/21 15:31	EPA 3050B	1,6010D	GD
Cadmium, Total	ND		mg/kg	0.817	0.080	2	10/18/21 21:33	10/19/21 15:31	EPA 3050B	1,6010D	GD
Calcium, Total	107		mg/kg	8.17	2.86	2	10/18/21 21:33	10/19/21 15:31	EPA 3050B	1,6010D	GD
Chromium, Total	3.35		mg/kg	0.817	0.078	2	10/18/21 21:33	10/19/21 15:31	EPA 3050B	1,6010D	GD
Cobalt, Total	1.13	J	mg/kg	1.63	0.136	2	10/18/21 21:33	10/19/21 15:31	EPA 3050B	1,6010D	GD
Copper, Total	3.02		mg/kg	0.817	0.211	2	10/18/21 21:33	10/19/21 15:31	EPA 3050B	1,6010D	GD
Iron, Total	3320		mg/kg	4.08	0.738	2	10/18/21 21:33	10/19/21 15:31	EPA 3050B	1,6010D	GD
Lead, Total	4.37		mg/kg	4.08	0.219	2	10/18/21 21:33	10/19/21 15:31	EPA 3050B	1,6010D	GD
Magnesium, Total	265		mg/kg	8.17	1.26	2	10/18/21 21:33	10/19/21 15:31	EPA 3050B	1,6010D	GD
Manganese, Total	31.2		mg/kg	0.817	0.130	2	10/18/21 21:33	10/19/21 15:31	EPA 3050B	1,6010D	GD
Mercury, Total	ND		mg/kg	0.075	0.049	1	10/18/21 22:02	10/19/21 06:08	EPA 7471B	1,7471B	AC
Nickel, Total	1.66	J	mg/kg	2.04	0.198	2	10/18/21 21:33	10/19/21 15:31	EPA 3050B	1,6010D	GD
Potassium, Total	91.1	J	mg/kg	204	11.8	2	10/18/21 21:33	10/19/21 15:31	EPA 3050B	1,6010D	GD
Selenium, Total	ND		mg/kg	1.63	0.211	2	10/18/21 21:33	10/19/21 15:31	EPA 3050B	1,6010D	GD
Silver, Total	ND		mg/kg	0.817	0.231	2	10/18/21 21:33	10/19/21 15:31	EPA 3050B	1,6010D	GD
Sodium, Total	10.0	J	mg/kg	163	2.57	2	10/18/21 21:33	10/19/21 15:31	EPA 3050B	1,6010D	GD
Thallium, Total	ND		mg/kg	1.63	0.257	2	10/18/21 21:33	10/19/21 15:31	EPA 3050B	1,6010D	GD
Vanadium, Total	6.46		mg/kg	0.817	0.166	2	10/18/21 21:33	10/19/21 15:31	EPA 3050B	1,6010D	GD
Zinc, Total	5.08		mg/kg	4.08	0.239	2	10/18/21 21:33	10/19/21 15:31	EPA 3050B	1,6010D	GD



Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156337-05
 Client ID: GRID G_0-2
 Sample Location: Not Specified

Date Collected: 10/14/21 11:45
 Date Received: 10/14/21
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil
 Percent Solids: 96%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	4020		mg/kg	8.13	2.19	2	10/18/21 21:33	10/19/21 15:36	EPA 3050B	1,6010D	GD
Antimony, Total	ND		mg/kg	4.06	0.309	2	10/18/21 21:33	10/19/21 15:36	EPA 3050B	1,6010D	GD
Arsenic, Total	7.06		mg/kg	0.813	0.169	2	10/18/21 21:33	10/19/21 15:36	EPA 3050B	1,6010D	GD
Barium, Total	6.51		mg/kg	0.813	0.141	2	10/18/21 21:33	10/19/21 15:36	EPA 3050B	1,6010D	GD
Beryllium, Total	0.098	J	mg/kg	0.406	0.027	2	10/18/21 21:33	10/19/21 15:36	EPA 3050B	1,6010D	GD
Cadmium, Total	ND		mg/kg	0.813	0.080	2	10/18/21 21:33	10/19/21 15:36	EPA 3050B	1,6010D	GD
Calcium, Total	138		mg/kg	8.13	2.84	2	10/18/21 21:33	10/19/21 15:36	EPA 3050B	1,6010D	GD
Chromium, Total	4.36		mg/kg	0.813	0.078	2	10/18/21 21:33	10/19/21 15:36	EPA 3050B	1,6010D	GD
Cobalt, Total	1.28	J	mg/kg	1.62	0.135	2	10/18/21 21:33	10/19/21 15:36	EPA 3050B	1,6010D	GD
Copper, Total	5.66		mg/kg	0.813	0.210	2	10/18/21 21:33	10/19/21 15:36	EPA 3050B	1,6010D	GD
Iron, Total	4460		mg/kg	4.06	0.734	2	10/18/21 21:33	10/19/21 15:36	EPA 3050B	1,6010D	GD
Lead, Total	5.72		mg/kg	4.06	0.218	2	10/18/21 21:33	10/19/21 15:36	EPA 3050B	1,6010D	GD
Magnesium, Total	345		mg/kg	8.13	1.25	2	10/18/21 21:33	10/19/21 15:36	EPA 3050B	1,6010D	GD
Manganese, Total	33.0		mg/kg	0.813	0.129	2	10/18/21 21:33	10/19/21 15:36	EPA 3050B	1,6010D	GD
Mercury, Total	ND		mg/kg	0.066	0.043	1	10/18/21 22:02	10/19/21 06:28	EPA 7471B	1,7471B	AC
Nickel, Total	2.01	J	mg/kg	2.03	0.197	2	10/18/21 21:33	10/19/21 15:36	EPA 3050B	1,6010D	GD
Potassium, Total	111	J	mg/kg	203	11.7	2	10/18/21 21:33	10/19/21 15:36	EPA 3050B	1,6010D	GD
Selenium, Total	ND		mg/kg	1.62	0.210	2	10/18/21 21:33	10/19/21 15:36	EPA 3050B	1,6010D	GD
Silver, Total	ND		mg/kg	0.813	0.230	2	10/18/21 21:33	10/19/21 15:36	EPA 3050B	1,6010D	GD
Sodium, Total	10.3	J	mg/kg	162	2.56	2	10/18/21 21:33	10/19/21 15:36	EPA 3050B	1,6010D	GD
Thallium, Total	ND		mg/kg	1.62	0.256	2	10/18/21 21:33	10/19/21 15:36	EPA 3050B	1,6010D	GD
Vanadium, Total	7.97		mg/kg	0.813	0.165	2	10/18/21 21:33	10/19/21 15:36	EPA 3050B	1,6010D	GD
Zinc, Total	6.52		mg/kg	4.06	0.238	2	10/18/21 21:33	10/19/21 15:36	EPA 3050B	1,6010D	GD



Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156337-07
 Client ID: GRID H_0-2
 Sample Location: Not Specified

Date Collected: 10/14/21 10:59
 Date Received: 10/14/21
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil
 Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	4620		mg/kg	8.16	2.20	2	10/18/21 21:33	10/19/21 15:40	EPA 3050B	1,6010D	GD
Antimony, Total	ND		mg/kg	4.08	0.310	2	10/18/21 21:33	10/19/21 15:40	EPA 3050B	1,6010D	GD
Arsenic, Total	26.3		mg/kg	0.816	0.170	2	10/18/21 21:33	10/19/21 15:40	EPA 3050B	1,6010D	GD
Barium, Total	8.03		mg/kg	0.816	0.142	2	10/18/21 21:33	10/19/21 15:40	EPA 3050B	1,6010D	GD
Beryllium, Total	0.106	J	mg/kg	0.408	0.027	2	10/18/21 21:33	10/19/21 15:40	EPA 3050B	1,6010D	GD
Cadmium, Total	0.090	J	mg/kg	0.816	0.080	2	10/18/21 21:33	10/19/21 15:40	EPA 3050B	1,6010D	GD
Calcium, Total	250		mg/kg	8.16	2.85	2	10/18/21 21:33	10/19/21 15:40	EPA 3050B	1,6010D	GD
Chromium, Total	5.02		mg/kg	0.816	0.078	2	10/18/21 21:33	10/19/21 15:40	EPA 3050B	1,6010D	GD
Cobalt, Total	0.701	J	mg/kg	1.63	0.135	2	10/18/21 21:33	10/19/21 15:40	EPA 3050B	1,6010D	GD
Copper, Total	11.7		mg/kg	0.816	0.210	2	10/18/21 21:33	10/19/21 15:40	EPA 3050B	1,6010D	GD
Iron, Total	5130		mg/kg	4.08	0.736	2	10/18/21 21:33	10/19/21 15:40	EPA 3050B	1,6010D	GD
Lead, Total	7.84		mg/kg	4.08	0.218	2	10/18/21 21:33	10/19/21 15:40	EPA 3050B	1,6010D	GD
Magnesium, Total	263		mg/kg	8.16	1.26	2	10/18/21 21:33	10/19/21 15:40	EPA 3050B	1,6010D	GD
Manganese, Total	18.1		mg/kg	0.816	0.130	2	10/18/21 21:33	10/19/21 15:40	EPA 3050B	1,6010D	GD
Mercury, Total	ND		mg/kg	0.074	0.048	1	10/18/21 22:02	10/19/21 06:31	EPA 7471B	1,7471B	AC
Nickel, Total	1.73	J	mg/kg	2.04	0.197	2	10/18/21 21:33	10/19/21 15:40	EPA 3050B	1,6010D	GD
Potassium, Total	99.2	J	mg/kg	204	11.7	2	10/18/21 21:33	10/19/21 15:40	EPA 3050B	1,6010D	GD
Selenium, Total	ND		mg/kg	1.63	0.210	2	10/18/21 21:33	10/19/21 15:40	EPA 3050B	1,6010D	GD
Silver, Total	ND		mg/kg	0.816	0.231	2	10/18/21 21:33	10/19/21 15:40	EPA 3050B	1,6010D	GD
Sodium, Total	12.1	J	mg/kg	163	2.57	2	10/18/21 21:33	10/19/21 15:40	EPA 3050B	1,6010D	GD
Thallium, Total	ND		mg/kg	1.63	0.257	2	10/18/21 21:33	10/19/21 15:40	EPA 3050B	1,6010D	GD
Vanadium, Total	10.0		mg/kg	0.816	0.166	2	10/18/21 21:33	10/19/21 15:40	EPA 3050B	1,6010D	GD
Zinc, Total	7.60		mg/kg	4.08	0.239	2	10/18/21 21:33	10/19/21 15:40	EPA 3050B	1,6010D	GD



Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156337-08
 Client ID: GRID H_18-24
 Sample Location: Not Specified

Date Collected: 10/14/21 10:59
 Date Received: 10/14/21
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil
 Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	6460		mg/kg	8.51	2.30	2	10/27/21 06:20	10/27/21 14:48	EPA 3050B	1,6010D	GD
Antimony, Total	ND		mg/kg	4.26	0.323	2	10/27/21 06:20	10/27/21 14:48	EPA 3050B	1,6010D	GD
Arsenic, Total	9.01		mg/kg	0.851	0.177	2	10/27/21 06:20	10/27/21 14:48	EPA 3050B	1,6010D	GD
Barium, Total	9.88		mg/kg	0.851	0.148	2	10/27/21 06:20	10/27/21 14:48	EPA 3050B	1,6010D	GD
Beryllium, Total	0.153	J	mg/kg	0.426	0.028	2	10/27/21 06:20	10/27/21 14:48	EPA 3050B	1,6010D	GD
Cadmium, Total	0.085	J	mg/kg	0.851	0.083	2	10/27/21 06:20	10/27/21 14:48	EPA 3050B	1,6010D	GD
Calcium, Total	143		mg/kg	8.51	2.98	2	10/27/21 06:20	10/27/21 14:48	EPA 3050B	1,6010D	GD
Chromium, Total	7.40		mg/kg	0.851	0.082	2	10/27/21 06:20	10/27/21 14:48	EPA 3050B	1,6010D	GD
Cobalt, Total	1.57	J	mg/kg	1.70	0.141	2	10/27/21 06:20	10/27/21 14:48	EPA 3050B	1,6010D	GD
Copper, Total	5.77		mg/kg	0.851	0.220	2	10/27/21 06:20	10/27/21 14:48	EPA 3050B	1,6010D	GD
Iron, Total	7500		mg/kg	4.26	0.769	2	10/27/21 06:20	10/27/21 14:48	EPA 3050B	1,6010D	GD
Lead, Total	4.61		mg/kg	4.26	0.228	2	10/27/21 06:20	10/27/21 14:48	EPA 3050B	1,6010D	GD
Magnesium, Total	522		mg/kg	8.51	1.31	2	10/27/21 06:20	10/27/21 14:48	EPA 3050B	1,6010D	GD
Manganese, Total	33.1		mg/kg	0.851	0.135	2	10/27/21 06:20	10/27/21 14:48	EPA 3050B	1,6010D	GD
Mercury, Total	ND		mg/kg	0.068	0.045	1	10/27/21 09:55	10/27/21 13:45	EPA 7471B	1,7471B	AC
Nickel, Total	3.23		mg/kg	2.13	0.206	2	10/27/21 06:20	10/27/21 14:48	EPA 3050B	1,6010D	GD
Potassium, Total	124	J	mg/kg	213	12.2	2	10/27/21 06:20	10/27/21 14:48	EPA 3050B	1,6010D	GD
Selenium, Total	0.349	J	mg/kg	1.70	0.220	2	10/27/21 06:20	10/27/21 14:48	EPA 3050B	1,6010D	GD
Silver, Total	ND		mg/kg	0.851	0.241	2	10/27/21 06:20	10/27/21 14:48	EPA 3050B	1,6010D	GD
Sodium, Total	20.0	J	mg/kg	170	2.68	2	10/27/21 06:20	10/27/21 14:48	EPA 3050B	1,6010D	GD
Thallium, Total	ND		mg/kg	1.70	0.268	2	10/27/21 06:20	10/27/21 14:48	EPA 3050B	1,6010D	GD
Vanadium, Total	12.4		mg/kg	0.851	0.173	2	10/27/21 06:20	10/27/21 14:48	EPA 3050B	1,6010D	GD
Zinc, Total	9.67		mg/kg	4.26	0.249	2	10/27/21 06:20	10/27/21 14:48	EPA 3050B	1,6010D	GD



Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156337-09
 Client ID: GRID I_0-2
 Sample Location: Not Specified

Date Collected: 10/14/21 13:18
 Date Received: 10/14/21
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil
 Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	8450		mg/kg	8.66	2.34	2	10/18/21 21:33	10/19/21 15:45	EPA 3050B	1,6010D	GD
Antimony, Total	ND		mg/kg	4.33	0.329	2	10/18/21 21:33	10/19/21 15:45	EPA 3050B	1,6010D	GD
Arsenic, Total	20.4		mg/kg	0.866	0.180	2	10/18/21 21:33	10/19/21 15:45	EPA 3050B	1,6010D	GD
Barium, Total	16.2		mg/kg	0.866	0.151	2	10/18/21 21:33	10/19/21 15:45	EPA 3050B	1,6010D	GD
Beryllium, Total	0.225	J	mg/kg	0.433	0.029	2	10/18/21 21:33	10/19/21 15:45	EPA 3050B	1,6010D	GD
Cadmium, Total	0.138	J	mg/kg	0.866	0.085	2	10/18/21 21:33	10/19/21 15:45	EPA 3050B	1,6010D	GD
Calcium, Total	299		mg/kg	8.66	3.03	2	10/18/21 21:33	10/19/21 15:45	EPA 3050B	1,6010D	GD
Chromium, Total	9.20		mg/kg	0.866	0.083	2	10/18/21 21:33	10/19/21 15:45	EPA 3050B	1,6010D	GD
Cobalt, Total	2.25		mg/kg	1.73	0.144	2	10/18/21 21:33	10/19/21 15:45	EPA 3050B	1,6010D	GD
Copper, Total	11.2		mg/kg	0.866	0.223	2	10/18/21 21:33	10/19/21 15:45	EPA 3050B	1,6010D	GD
Iron, Total	9210		mg/kg	4.33	0.782	2	10/18/21 21:33	10/19/21 15:45	EPA 3050B	1,6010D	GD
Lead, Total	9.58		mg/kg	4.33	0.232	2	10/18/21 21:33	10/19/21 15:45	EPA 3050B	1,6010D	GD
Magnesium, Total	767		mg/kg	8.66	1.33	2	10/18/21 21:33	10/19/21 15:45	EPA 3050B	1,6010D	GD
Manganese, Total	47.4		mg/kg	0.866	0.138	2	10/18/21 21:33	10/19/21 15:45	EPA 3050B	1,6010D	GD
Mercury, Total	ND		mg/kg	0.079	0.051	1	10/18/21 22:02	10/19/21 06:35	EPA 7471B	1,7471B	AC
Nickel, Total	4.41		mg/kg	2.16	0.210	2	10/18/21 21:33	10/19/21 15:45	EPA 3050B	1,6010D	GD
Potassium, Total	169	J	mg/kg	216	12.5	2	10/18/21 21:33	10/19/21 15:45	EPA 3050B	1,6010D	GD
Selenium, Total	ND		mg/kg	1.73	0.223	2	10/18/21 21:33	10/19/21 15:45	EPA 3050B	1,6010D	GD
Silver, Total	ND		mg/kg	0.866	0.245	2	10/18/21 21:33	10/19/21 15:45	EPA 3050B	1,6010D	GD
Sodium, Total	21.2	J	mg/kg	173	2.73	2	10/18/21 21:33	10/19/21 15:45	EPA 3050B	1,6010D	GD
Thallium, Total	ND		mg/kg	1.73	0.273	2	10/18/21 21:33	10/19/21 15:45	EPA 3050B	1,6010D	GD
Vanadium, Total	17.0		mg/kg	0.866	0.176	2	10/18/21 21:33	10/19/21 15:45	EPA 3050B	1,6010D	GD
Zinc, Total	14.3		mg/kg	4.33	0.254	2	10/18/21 21:33	10/19/21 15:45	EPA 3050B	1,6010D	GD



Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156337-10
Client ID: GRID I_18-24
Sample Location: Not Specified

Date Collected: 10/14/21 13:18
Date Received: 10/14/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5810		mg/kg	8.18	2.21	2	10/27/21 06:20	10/27/21 16:50	EPA 3050B	1,6010D	DL
Antimony, Total	ND		mg/kg	4.09	0.311	2	10/27/21 06:20	10/27/21 16:50	EPA 3050B	1,6010D	DL
Arsenic, Total	5.94		mg/kg	0.818	0.170	2	10/27/21 06:20	10/27/21 16:50	EPA 3050B	1,6010D	DL
Barium, Total	10.1		mg/kg	0.818	0.142	2	10/27/21 06:20	10/27/21 16:50	EPA 3050B	1,6010D	DL
Beryllium, Total	0.172	J	mg/kg	0.409	0.027	2	10/27/21 06:20	10/27/21 16:50	EPA 3050B	1,6010D	DL
Cadmium, Total	0.082	J	mg/kg	0.818	0.080	2	10/27/21 06:20	10/27/21 16:50	EPA 3050B	1,6010D	DL
Calcium, Total	142		mg/kg	8.18	2.86	2	10/27/21 06:20	10/27/21 16:50	EPA 3050B	1,6010D	DL
Chromium, Total	6.32		mg/kg	0.818	0.079	2	10/27/21 06:20	10/27/21 16:50	EPA 3050B	1,6010D	DL
Cobalt, Total	2.12		mg/kg	1.64	0.136	2	10/27/21 06:20	10/27/21 16:50	EPA 3050B	1,6010D	DL
Copper, Total	4.43		mg/kg	0.818	0.211	2	10/27/21 06:20	10/27/21 16:50	EPA 3050B	1,6010D	DL
Iron, Total	6570		mg/kg	4.09	0.739	2	10/27/21 06:20	10/27/21 16:50	EPA 3050B	1,6010D	DL
Lead, Total	4.38		mg/kg	4.09	0.219	2	10/27/21 06:20	10/27/21 16:50	EPA 3050B	1,6010D	DL
Magnesium, Total	654		mg/kg	8.18	1.26	2	10/27/21 06:20	10/27/21 16:50	EPA 3050B	1,6010D	DL
Manganese, Total	43.9		mg/kg	0.818	0.130	2	10/27/21 06:20	10/27/21 16:50	EPA 3050B	1,6010D	DL
Mercury, Total	ND		mg/kg	0.068	0.044	1	10/27/21 09:55	10/27/21 13:48	EPA 7471B	1,7471B	AC
Nickel, Total	3.44		mg/kg	2.04	0.198	2	10/27/21 06:20	10/27/21 16:50	EPA 3050B	1,6010D	DL
Potassium, Total	147	J	mg/kg	204	11.8	2	10/27/21 06:20	10/27/21 16:50	EPA 3050B	1,6010D	DL
Selenium, Total	0.425	J	mg/kg	1.64	0.211	2	10/27/21 06:20	10/27/21 16:50	EPA 3050B	1,6010D	DL
Silver, Total	ND		mg/kg	0.818	0.232	2	10/27/21 06:20	10/27/21 16:50	EPA 3050B	1,6010D	DL
Sodium, Total	25.2	J	mg/kg	164	2.58	2	10/27/21 06:20	10/27/21 16:50	EPA 3050B	1,6010D	DL
Thallium, Total	ND		mg/kg	1.64	0.258	2	10/27/21 06:20	10/27/21 16:50	EPA 3050B	1,6010D	DL
Vanadium, Total	10.5		mg/kg	0.818	0.166	2	10/27/21 06:20	10/27/21 16:50	EPA 3050B	1,6010D	DL
Zinc, Total	10.1		mg/kg	4.09	0.240	2	10/27/21 06:20	10/27/21 16:50	EPA 3050B	1,6010D	DL



Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156337-11
 Client ID: GRID J_0-2
 Sample Location: Not Specified

Date Collected: 10/14/21 13:50
 Date Received: 10/14/21
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil
 Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	6140		mg/kg	8.61	2.32	2	10/18/21 21:33	10/19/21 16:07	EPA 3050B	1,6010D	GD
Antimony, Total	1.97	J	mg/kg	4.31	0.327	2	10/18/21 21:33	10/19/21 16:07	EPA 3050B	1,6010D	GD
Arsenic, Total	28.8		mg/kg	0.861	0.179	2	10/18/21 21:33	10/19/21 16:07	EPA 3050B	1,6010D	GD
Barium, Total	11.4		mg/kg	0.861	0.150	2	10/18/21 21:33	10/19/21 16:07	EPA 3050B	1,6010D	GD
Beryllium, Total	0.181	J	mg/kg	0.431	0.028	2	10/18/21 21:33	10/19/21 16:07	EPA 3050B	1,6010D	GD
Cadmium, Total	0.164	J	mg/kg	0.861	0.084	2	10/18/21 21:33	10/19/21 16:07	EPA 3050B	1,6010D	GD
Calcium, Total	390		mg/kg	8.61	3.01	2	10/18/21 21:33	10/19/21 16:07	EPA 3050B	1,6010D	GD
Chromium, Total	27.0		mg/kg	0.861	0.083	2	10/18/21 21:33	10/19/21 16:07	EPA 3050B	1,6010D	GD
Cobalt, Total	1.20	J	mg/kg	1.72	0.143	2	10/18/21 21:33	10/19/21 16:07	EPA 3050B	1,6010D	GD
Copper, Total	17.8		mg/kg	0.861	0.222	2	10/18/21 21:33	10/19/21 16:07	EPA 3050B	1,6010D	GD
Iron, Total	10600		mg/kg	4.31	0.778	2	10/18/21 21:33	10/19/21 16:07	EPA 3050B	1,6010D	GD
Lead, Total	10.9		mg/kg	4.31	0.231	2	10/18/21 21:33	10/19/21 16:07	EPA 3050B	1,6010D	GD
Magnesium, Total	409		mg/kg	8.61	1.33	2	10/18/21 21:33	10/19/21 16:07	EPA 3050B	1,6010D	GD
Manganese, Total	26.7		mg/kg	0.861	0.137	2	10/18/21 21:33	10/19/21 16:07	EPA 3050B	1,6010D	GD
Mercury, Total	ND		mg/kg	0.070	0.046	1	10/18/21 22:02	10/19/21 06:38	EPA 7471B	1,7471B	AC
Nickel, Total	2.65		mg/kg	2.15	0.208	2	10/18/21 21:33	10/19/21 16:07	EPA 3050B	1,6010D	GD
Potassium, Total	120	J	mg/kg	215	12.4	2	10/18/21 21:33	10/19/21 16:07	EPA 3050B	1,6010D	GD
Selenium, Total	0.465	J	mg/kg	1.72	0.222	2	10/18/21 21:33	10/19/21 16:07	EPA 3050B	1,6010D	GD
Silver, Total	ND		mg/kg	0.861	0.244	2	10/18/21 21:33	10/19/21 16:07	EPA 3050B	1,6010D	GD
Sodium, Total	18.9	J	mg/kg	172	2.71	2	10/18/21 21:33	10/19/21 16:07	EPA 3050B	1,6010D	GD
Thallium, Total	ND		mg/kg	1.72	0.271	2	10/18/21 21:33	10/19/21 16:07	EPA 3050B	1,6010D	GD
Vanadium, Total	17.7		mg/kg	0.861	0.175	2	10/18/21 21:33	10/19/21 16:07	EPA 3050B	1,6010D	GD
Zinc, Total	10.2		mg/kg	4.31	0.252	2	10/18/21 21:33	10/19/21 16:07	EPA 3050B	1,6010D	GD



Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156337-12
 Client ID: GRID J_18-24
 Sample Location: Not Specified

Date Collected: 10/14/21 13:50
 Date Received: 10/14/21
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil
 Percent Solids: 97%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	3120		mg/kg	8.16	2.20	2	10/27/21 06:20	10/27/21 16:55	EPA 3050B	1,6010D	DL
Antimony, Total	ND		mg/kg	4.08	0.310	2	10/27/21 06:20	10/27/21 16:55	EPA 3050B	1,6010D	DL
Arsenic, Total	1.49		mg/kg	0.816	0.170	2	10/27/21 06:20	10/27/21 16:55	EPA 3050B	1,6010D	DL
Barium, Total	4.32		mg/kg	0.816	0.142	2	10/27/21 06:20	10/27/21 16:55	EPA 3050B	1,6010D	DL
Beryllium, Total	0.073	J	mg/kg	0.408	0.027	2	10/27/21 06:20	10/27/21 16:55	EPA 3050B	1,6010D	DL
Cadmium, Total	ND		mg/kg	0.816	0.080	2	10/27/21 06:20	10/27/21 16:55	EPA 3050B	1,6010D	DL
Calcium, Total	49.0		mg/kg	8.16	2.86	2	10/27/21 06:20	10/27/21 16:55	EPA 3050B	1,6010D	DL
Chromium, Total	3.91		mg/kg	0.816	0.078	2	10/27/21 06:20	10/27/21 16:55	EPA 3050B	1,6010D	DL
Cobalt, Total	2.01		mg/kg	1.63	0.135	2	10/27/21 06:20	10/27/21 16:55	EPA 3050B	1,6010D	DL
Copper, Total	2.03		mg/kg	0.816	0.210	2	10/27/21 06:20	10/27/21 16:55	EPA 3050B	1,6010D	DL
Iron, Total	3260		mg/kg	4.08	0.737	2	10/27/21 06:20	10/27/21 16:55	EPA 3050B	1,6010D	DL
Lead, Total	1.95	J	mg/kg	4.08	0.219	2	10/27/21 06:20	10/27/21 16:55	EPA 3050B	1,6010D	DL
Magnesium, Total	271		mg/kg	8.16	1.26	2	10/27/21 06:20	10/27/21 16:55	EPA 3050B	1,6010D	DL
Manganese, Total	47.6		mg/kg	0.816	0.130	2	10/27/21 06:20	10/27/21 16:55	EPA 3050B	1,6010D	DL
Mercury, Total	ND		mg/kg	0.065	0.042	1	10/27/21 09:55	10/27/21 13:52	EPA 7471B	1,7471B	AC
Nickel, Total	1.72	J	mg/kg	2.04	0.197	2	10/27/21 06:20	10/27/21 16:55	EPA 3050B	1,6010D	DL
Potassium, Total	71.1	J	mg/kg	204	11.7	2	10/27/21 06:20	10/27/21 16:55	EPA 3050B	1,6010D	DL
Selenium, Total	ND		mg/kg	1.63	0.210	2	10/27/21 06:20	10/27/21 16:55	EPA 3050B	1,6010D	DL
Silver, Total	ND		mg/kg	0.816	0.231	2	10/27/21 06:20	10/27/21 16:55	EPA 3050B	1,6010D	DL
Sodium, Total	16.3	J	mg/kg	163	2.57	2	10/27/21 06:20	10/27/21 16:55	EPA 3050B	1,6010D	DL
Thallium, Total	ND		mg/kg	1.63	0.257	2	10/27/21 06:20	10/27/21 16:55	EPA 3050B	1,6010D	DL
Vanadium, Total	5.51		mg/kg	0.816	0.166	2	10/27/21 06:20	10/27/21 16:55	EPA 3050B	1,6010D	DL
Zinc, Total	4.43		mg/kg	4.08	0.239	2	10/27/21 06:20	10/27/21 16:55	EPA 3050B	1,6010D	DL



Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156337-13
 Client ID: GRID K_0-2
 Sample Location: Not Specified

Date Collected: 10/14/21 15:10
 Date Received: 10/14/21
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil
 Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	6610		mg/kg	8.39	2.26	2	10/18/21 21:33	10/19/21 16:12	EPA 3050B	1,6010D	GD
Antimony, Total	0.394	J	mg/kg	4.19	0.319	2	10/18/21 21:33	10/19/21 16:12	EPA 3050B	1,6010D	GD
Arsenic, Total	29.3		mg/kg	0.839	0.174	2	10/18/21 21:33	10/19/21 16:12	EPA 3050B	1,6010D	GD
Barium, Total	11.6		mg/kg	0.839	0.146	2	10/18/21 21:33	10/19/21 16:12	EPA 3050B	1,6010D	GD
Beryllium, Total	0.151	J	mg/kg	0.419	0.028	2	10/18/21 21:33	10/19/21 16:12	EPA 3050B	1,6010D	GD
Cadmium, Total	0.117	J	mg/kg	0.839	0.082	2	10/18/21 21:33	10/19/21 16:12	EPA 3050B	1,6010D	GD
Calcium, Total	371		mg/kg	8.39	2.94	2	10/18/21 21:33	10/19/21 16:12	EPA 3050B	1,6010D	GD
Chromium, Total	6.87		mg/kg	0.839	0.081	2	10/18/21 21:33	10/19/21 16:12	EPA 3050B	1,6010D	GD
Cobalt, Total	0.788	J	mg/kg	1.68	0.139	2	10/18/21 21:33	10/19/21 16:12	EPA 3050B	1,6010D	GD
Copper, Total	20.0		mg/kg	0.839	0.216	2	10/18/21 21:33	10/19/21 16:12	EPA 3050B	1,6010D	GD
Iron, Total	6040		mg/kg	4.19	0.757	2	10/18/21 21:33	10/19/21 16:12	EPA 3050B	1,6010D	GD
Lead, Total	9.85		mg/kg	4.19	0.225	2	10/18/21 21:33	10/19/21 16:12	EPA 3050B	1,6010D	GD
Magnesium, Total	364		mg/kg	8.39	1.29	2	10/18/21 21:33	10/19/21 16:12	EPA 3050B	1,6010D	GD
Manganese, Total	20.2		mg/kg	0.839	0.133	2	10/18/21 21:33	10/19/21 16:12	EPA 3050B	1,6010D	GD
Mercury, Total	ND		mg/kg	0.075	0.049	1	10/18/21 22:02	10/19/21 06:41	EPA 7471B	1,7471B	AC
Nickel, Total	2.34		mg/kg	2.10	0.203	2	10/18/21 21:33	10/19/21 16:12	EPA 3050B	1,6010D	GD
Potassium, Total	133	J	mg/kg	210	12.1	2	10/18/21 21:33	10/19/21 16:12	EPA 3050B	1,6010D	GD
Selenium, Total	0.285	J	mg/kg	1.68	0.216	2	10/18/21 21:33	10/19/21 16:12	EPA 3050B	1,6010D	GD
Silver, Total	ND		mg/kg	0.839	0.237	2	10/18/21 21:33	10/19/21 16:12	EPA 3050B	1,6010D	GD
Sodium, Total	16.1	J	mg/kg	168	2.64	2	10/18/21 21:33	10/19/21 16:12	EPA 3050B	1,6010D	GD
Thallium, Total	ND		mg/kg	1.68	0.264	2	10/18/21 21:33	10/19/21 16:12	EPA 3050B	1,6010D	GD
Vanadium, Total	12.6		mg/kg	0.839	0.170	2	10/18/21 21:33	10/19/21 16:12	EPA 3050B	1,6010D	GD
Zinc, Total	9.71		mg/kg	4.19	0.246	2	10/18/21 21:33	10/19/21 16:12	EPA 3050B	1,6010D	GD



Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156337-14
 Client ID: GRID K_18-24
 Sample Location: Not Specified

Date Collected: 10/14/21 15:10
 Date Received: 10/14/21
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil
 Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5780		mg/kg	8.27	2.23	2	10/27/21 06:20	10/27/21 16:59	EPA 3050B	1,6010D	DL
Antimony, Total	ND		mg/kg	4.14	0.314	2	10/27/21 06:20	10/27/21 16:59	EPA 3050B	1,6010D	DL
Arsenic, Total	3.49		mg/kg	0.827	0.172	2	10/27/21 06:20	10/27/21 16:59	EPA 3050B	1,6010D	DL
Barium, Total	10.1		mg/kg	0.827	0.144	2	10/27/21 06:20	10/27/21 16:59	EPA 3050B	1,6010D	DL
Beryllium, Total	0.141	J	mg/kg	0.414	0.027	2	10/27/21 06:20	10/27/21 16:59	EPA 3050B	1,6010D	DL
Cadmium, Total	ND		mg/kg	0.827	0.081	2	10/27/21 06:20	10/27/21 16:59	EPA 3050B	1,6010D	DL
Calcium, Total	94.9		mg/kg	8.27	2.90	2	10/27/21 06:20	10/27/21 16:59	EPA 3050B	1,6010D	DL
Chromium, Total	6.06		mg/kg	0.827	0.079	2	10/27/21 06:20	10/27/21 16:59	EPA 3050B	1,6010D	DL
Cobalt, Total	1.40	J	mg/kg	1.65	0.137	2	10/27/21 06:20	10/27/21 16:59	EPA 3050B	1,6010D	DL
Copper, Total	4.49		mg/kg	0.827	0.213	2	10/27/21 06:20	10/27/21 16:59	EPA 3050B	1,6010D	DL
Iron, Total	5660		mg/kg	4.14	0.747	2	10/27/21 06:20	10/27/21 16:59	EPA 3050B	1,6010D	DL
Lead, Total	3.36	J	mg/kg	4.14	0.222	2	10/27/21 06:20	10/27/21 16:59	EPA 3050B	1,6010D	DL
Magnesium, Total	565		mg/kg	8.27	1.27	2	10/27/21 06:20	10/27/21 16:59	EPA 3050B	1,6010D	DL
Manganese, Total	26.3		mg/kg	0.827	0.132	2	10/27/21 06:20	10/27/21 16:59	EPA 3050B	1,6010D	DL
Mercury, Total	ND		mg/kg	0.068	0.044	1	10/27/21 09:55	10/27/21 13:55	EPA 7471B	1,7471B	AC
Nickel, Total	3.21		mg/kg	2.07	0.200	2	10/27/21 06:20	10/27/21 16:59	EPA 3050B	1,6010D	DL
Potassium, Total	134	J	mg/kg	207	11.9	2	10/27/21 06:20	10/27/21 16:59	EPA 3050B	1,6010D	DL
Selenium, Total	ND		mg/kg	1.65	0.213	2	10/27/21 06:20	10/27/21 16:59	EPA 3050B	1,6010D	DL
Silver, Total	ND		mg/kg	0.827	0.234	2	10/27/21 06:20	10/27/21 16:59	EPA 3050B	1,6010D	DL
Sodium, Total	21.0	J	mg/kg	165	2.61	2	10/27/21 06:20	10/27/21 16:59	EPA 3050B	1,6010D	DL
Thallium, Total	ND		mg/kg	1.65	0.261	2	10/27/21 06:20	10/27/21 16:59	EPA 3050B	1,6010D	DL
Vanadium, Total	9.26		mg/kg	0.827	0.168	2	10/27/21 06:20	10/27/21 16:59	EPA 3050B	1,6010D	DL
Zinc, Total	11.2		mg/kg	4.14	0.242	2	10/27/21 06:20	10/27/21 16:59	EPA 3050B	1,6010D	DL



Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156337-15
 Client ID: GRID U_0-2
 Sample Location: Not Specified

Date Collected: 10/14/21 08:39
 Date Received: 10/14/21
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil
 Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	4930		mg/kg	8.54	2.30	2	10/18/21 21:33	10/19/21 16:16	EPA 3050B	1,6010D	GD
Antimony, Total	ND		mg/kg	4.27	0.324	2	10/18/21 21:33	10/19/21 16:16	EPA 3050B	1,6010D	GD
Arsenic, Total	9.86		mg/kg	0.854	0.178	2	10/18/21 21:33	10/19/21 16:16	EPA 3050B	1,6010D	GD
Barium, Total	8.66		mg/kg	0.854	0.148	2	10/18/21 21:33	10/19/21 16:16	EPA 3050B	1,6010D	GD
Beryllium, Total	0.128	J	mg/kg	0.427	0.028	2	10/18/21 21:33	10/19/21 16:16	EPA 3050B	1,6010D	GD
Cadmium, Total	ND		mg/kg	0.854	0.084	2	10/18/21 21:33	10/19/21 16:16	EPA 3050B	1,6010D	GD
Calcium, Total	96.0		mg/kg	8.54	2.99	2	10/18/21 21:33	10/19/21 16:16	EPA 3050B	1,6010D	GD
Chromium, Total	5.60		mg/kg	0.854	0.082	2	10/18/21 21:33	10/19/21 16:16	EPA 3050B	1,6010D	GD
Cobalt, Total	0.973	J	mg/kg	1.71	0.142	2	10/18/21 21:33	10/19/21 16:16	EPA 3050B	1,6010D	GD
Copper, Total	4.50		mg/kg	0.854	0.220	2	10/18/21 21:33	10/19/21 16:16	EPA 3050B	1,6010D	GD
Iron, Total	5140		mg/kg	4.27	0.771	2	10/18/21 21:33	10/19/21 16:16	EPA 3050B	1,6010D	GD
Lead, Total	4.27		mg/kg	4.27	0.229	2	10/18/21 21:33	10/19/21 16:16	EPA 3050B	1,6010D	GD
Magnesium, Total	360		mg/kg	8.54	1.31	2	10/18/21 21:33	10/19/21 16:16	EPA 3050B	1,6010D	GD
Manganese, Total	18.6		mg/kg	0.854	0.136	2	10/18/21 21:33	10/19/21 16:16	EPA 3050B	1,6010D	GD
Mercury, Total	ND		mg/kg	0.074	0.048	1	10/18/21 22:02	10/19/21 06:45	EPA 7471B	1,7471B	AC
Nickel, Total	2.07	J	mg/kg	2.13	0.207	2	10/18/21 21:33	10/19/21 16:16	EPA 3050B	1,6010D	GD
Potassium, Total	100	J	mg/kg	213	12.3	2	10/18/21 21:33	10/19/21 16:16	EPA 3050B	1,6010D	GD
Selenium, Total	ND		mg/kg	1.71	0.220	2	10/18/21 21:33	10/19/21 16:16	EPA 3050B	1,6010D	GD
Silver, Total	ND		mg/kg	0.854	0.242	2	10/18/21 21:33	10/19/21 16:16	EPA 3050B	1,6010D	GD
Sodium, Total	11.4	J	mg/kg	171	2.69	2	10/18/21 21:33	10/19/21 16:16	EPA 3050B	1,6010D	GD
Thallium, Total	ND		mg/kg	1.71	0.269	2	10/18/21 21:33	10/19/21 16:16	EPA 3050B	1,6010D	GD
Vanadium, Total	9.37		mg/kg	0.854	0.173	2	10/18/21 21:33	10/19/21 16:16	EPA 3050B	1,6010D	GD
Zinc, Total	6.73		mg/kg	4.27	0.250	2	10/18/21 21:33	10/19/21 16:16	EPA 3050B	1,6010D	GD



Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156337-17
 Client ID: GRID V_0-2
 Sample Location: Not Specified

Date Collected: 10/14/21 10:20
 Date Received: 10/14/21
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil
 Percent Solids: 77%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	7600		mg/kg	10.3	2.78	2	10/18/21 21:33	10/19/21 16:54	EPA 3050B	1,6010D	GD
Antimony, Total	ND		mg/kg	5.14	0.391	2	10/18/21 21:33	10/19/21 16:54	EPA 3050B	1,6010D	GD
Arsenic, Total	7.87		mg/kg	1.03	0.214	2	10/18/21 21:33	10/19/21 16:54	EPA 3050B	1,6010D	GD
Barium, Total	12.3		mg/kg	1.03	0.179	2	10/18/21 21:33	10/19/21 16:54	EPA 3050B	1,6010D	GD
Beryllium, Total	0.175	J	mg/kg	0.514	0.034	2	10/18/21 21:33	10/19/21 16:54	EPA 3050B	1,6010D	GD
Cadmium, Total	ND		mg/kg	1.03	0.101	2	10/18/21 21:33	10/19/21 16:54	EPA 3050B	1,6010D	GD
Calcium, Total	97.6		mg/kg	10.3	3.60	2	10/18/21 21:33	10/19/21 16:54	EPA 3050B	1,6010D	GD
Chromium, Total	7.63		mg/kg	1.03	0.099	2	10/18/21 21:33	10/19/21 16:54	EPA 3050B	1,6010D	GD
Cobalt, Total	1.64	J	mg/kg	2.06	0.171	2	10/18/21 21:33	10/19/21 16:54	EPA 3050B	1,6010D	GD
Copper, Total	6.00		mg/kg	1.03	0.265	2	10/18/21 21:33	10/19/21 16:54	EPA 3050B	1,6010D	GD
Iron, Total	8260		mg/kg	5.14	0.929	2	10/18/21 21:33	10/19/21 16:54	EPA 3050B	1,6010D	GD
Lead, Total	6.39		mg/kg	5.14	0.276	2	10/18/21 21:33	10/19/21 16:54	EPA 3050B	1,6010D	GD
Magnesium, Total	530		mg/kg	10.3	1.58	2	10/18/21 21:33	10/19/21 16:54	EPA 3050B	1,6010D	GD
Manganese, Total	35.9		mg/kg	1.03	0.164	2	10/18/21 21:33	10/19/21 16:54	EPA 3050B	1,6010D	GD
Mercury, Total	ND		mg/kg	0.093	0.060	1	10/18/21 22:02	10/19/21 06:48	EPA 7471B	1,7471B	AC
Nickel, Total	3.37		mg/kg	2.57	0.249	2	10/18/21 21:33	10/19/21 16:54	EPA 3050B	1,6010D	GD
Potassium, Total	145	J	mg/kg	257	14.8	2	10/18/21 21:33	10/19/21 16:54	EPA 3050B	1,6010D	GD
Selenium, Total	ND		mg/kg	2.06	0.265	2	10/18/21 21:33	10/19/21 16:54	EPA 3050B	1,6010D	GD
Silver, Total	ND		mg/kg	1.03	0.291	2	10/18/21 21:33	10/19/21 16:54	EPA 3050B	1,6010D	GD
Sodium, Total	12.5	J	mg/kg	206	3.24	2	10/18/21 21:33	10/19/21 16:54	EPA 3050B	1,6010D	GD
Thallium, Total	ND		mg/kg	2.06	0.324	2	10/18/21 21:33	10/19/21 16:54	EPA 3050B	1,6010D	GD
Vanadium, Total	14.1		mg/kg	1.03	0.209	2	10/18/21 21:33	10/19/21 16:54	EPA 3050B	1,6010D	GD
Zinc, Total	11.3		mg/kg	5.14	0.301	2	10/18/21 21:33	10/19/21 16:54	EPA 3050B	1,6010D	GD



Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156337-19
 Client ID: GRID W_0-2
 Sample Location: Not Specified

Date Collected: 10/14/21 12:11
 Date Received: 10/14/21
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil
 Percent Solids: 78%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	7240		mg/kg	10.2	2.76	2	10/18/21 21:33	10/19/21 16:58	EPA 3050B	1,6010D	GD
Antimony, Total	ND		mg/kg	5.10	0.388	2	10/18/21 21:33	10/19/21 16:58	EPA 3050B	1,6010D	GD
Arsenic, Total	10.4		mg/kg	1.02	0.212	2	10/18/21 21:33	10/19/21 16:58	EPA 3050B	1,6010D	GD
Barium, Total	11.0		mg/kg	1.02	0.178	2	10/18/21 21:33	10/19/21 16:58	EPA 3050B	1,6010D	GD
Beryllium, Total	0.184	J	mg/kg	0.510	0.034	2	10/18/21 21:33	10/19/21 16:58	EPA 3050B	1,6010D	GD
Cadmium, Total	0.102	J	mg/kg	1.02	0.100	2	10/18/21 21:33	10/19/21 16:58	EPA 3050B	1,6010D	GD
Calcium, Total	121		mg/kg	10.2	3.57	2	10/18/21 21:33	10/19/21 16:58	EPA 3050B	1,6010D	GD
Chromium, Total	7.91		mg/kg	1.02	0.098	2	10/18/21 21:33	10/19/21 16:58	EPA 3050B	1,6010D	GD
Cobalt, Total	1.51	J	mg/kg	2.04	0.169	2	10/18/21 21:33	10/19/21 16:58	EPA 3050B	1,6010D	GD
Copper, Total	8.11		mg/kg	1.02	0.263	2	10/18/21 21:33	10/19/21 16:58	EPA 3050B	1,6010D	GD
Iron, Total	8510		mg/kg	5.10	0.922	2	10/18/21 21:33	10/19/21 16:58	EPA 3050B	1,6010D	GD
Lead, Total	6.63		mg/kg	5.10	0.274	2	10/18/21 21:33	10/19/21 16:58	EPA 3050B	1,6010D	GD
Magnesium, Total	481		mg/kg	10.2	1.57	2	10/18/21 21:33	10/19/21 16:58	EPA 3050B	1,6010D	GD
Manganese, Total	35.9		mg/kg	1.02	0.162	2	10/18/21 21:33	10/19/21 16:58	EPA 3050B	1,6010D	GD
Mercury, Total	ND		mg/kg	0.085	0.056	1	10/18/21 22:02	10/19/21 06:51	EPA 7471B	1,7471B	AC
Nickel, Total	3.17		mg/kg	2.55	0.247	2	10/18/21 21:33	10/19/21 16:58	EPA 3050B	1,6010D	GD
Potassium, Total	146	J	mg/kg	255	14.7	2	10/18/21 21:33	10/19/21 16:58	EPA 3050B	1,6010D	GD
Selenium, Total	ND		mg/kg	2.04	0.263	2	10/18/21 21:33	10/19/21 16:58	EPA 3050B	1,6010D	GD
Silver, Total	ND		mg/kg	1.02	0.289	2	10/18/21 21:33	10/19/21 16:58	EPA 3050B	1,6010D	GD
Sodium, Total	13.9	J	mg/kg	204	3.22	2	10/18/21 21:33	10/19/21 16:58	EPA 3050B	1,6010D	GD
Thallium, Total	ND		mg/kg	2.04	0.322	2	10/18/21 21:33	10/19/21 16:58	EPA 3050B	1,6010D	GD
Vanadium, Total	14.4		mg/kg	1.02	0.207	2	10/18/21 21:33	10/19/21 16:58	EPA 3050B	1,6010D	GD
Zinc, Total	10.4		mg/kg	5.10	0.299	2	10/18/21 21:33	10/19/21 16:58	EPA 3050B	1,6010D	GD



Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156337-21
 Client ID: GRID X_0-2
 Sample Location: Not Specified

Date Collected: 10/14/21 12:46
 Date Received: 10/14/21
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil
 Percent Solids: 97%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5880		mg/kg	7.82	2.11	2	10/18/21 21:33	10/19/21 17:03	EPA 3050B	1,6010D	GD
Antimony, Total	ND		mg/kg	3.91	0.297	2	10/18/21 21:33	10/19/21 17:03	EPA 3050B	1,6010D	GD
Arsenic, Total	5.23		mg/kg	0.782	0.163	2	10/18/21 21:33	10/19/21 17:03	EPA 3050B	1,6010D	GD
Barium, Total	11.0		mg/kg	0.782	0.136	2	10/18/21 21:33	10/19/21 17:03	EPA 3050B	1,6010D	GD
Beryllium, Total	0.148	J	mg/kg	0.391	0.026	2	10/18/21 21:33	10/19/21 17:03	EPA 3050B	1,6010D	GD
Cadmium, Total	0.078	J	mg/kg	0.782	0.077	2	10/18/21 21:33	10/19/21 17:03	EPA 3050B	1,6010D	GD
Calcium, Total	70.8		mg/kg	7.82	2.74	2	10/18/21 21:33	10/19/21 17:03	EPA 3050B	1,6010D	GD
Chromium, Total	6.83		mg/kg	0.782	0.075	2	10/18/21 21:33	10/19/21 17:03	EPA 3050B	1,6010D	GD
Cobalt, Total	2.27		mg/kg	1.56	0.130	2	10/18/21 21:33	10/19/21 17:03	EPA 3050B	1,6010D	GD
Copper, Total	5.50		mg/kg	0.782	0.202	2	10/18/21 21:33	10/19/21 17:03	EPA 3050B	1,6010D	GD
Iron, Total	6640		mg/kg	3.91	0.706	2	10/18/21 21:33	10/19/21 17:03	EPA 3050B	1,6010D	GD
Lead, Total	5.58		mg/kg	3.91	0.210	2	10/18/21 21:33	10/19/21 17:03	EPA 3050B	1,6010D	GD
Magnesium, Total	580		mg/kg	7.82	1.20	2	10/18/21 21:33	10/19/21 17:03	EPA 3050B	1,6010D	GD
Manganese, Total	53.8		mg/kg	0.782	0.124	2	10/18/21 21:33	10/19/21 17:03	EPA 3050B	1,6010D	GD
Mercury, Total	ND		mg/kg	0.068	0.044	1	10/18/21 22:02	10/19/21 06:54	EPA 7471B	1,7471B	AC
Nickel, Total	3.47		mg/kg	1.95	0.189	2	10/18/21 21:33	10/19/21 17:03	EPA 3050B	1,6010D	GD
Potassium, Total	133	J	mg/kg	195	11.3	2	10/18/21 21:33	10/19/21 17:03	EPA 3050B	1,6010D	GD
Selenium, Total	ND		mg/kg	1.56	0.202	2	10/18/21 21:33	10/19/21 17:03	EPA 3050B	1,6010D	GD
Silver, Total	ND		mg/kg	0.782	0.221	2	10/18/21 21:33	10/19/21 17:03	EPA 3050B	1,6010D	GD
Sodium, Total	10.8	J	mg/kg	156	2.46	2	10/18/21 21:33	10/19/21 17:03	EPA 3050B	1,6010D	GD
Thallium, Total	ND		mg/kg	1.56	0.246	2	10/18/21 21:33	10/19/21 17:03	EPA 3050B	1,6010D	GD
Vanadium, Total	11.3		mg/kg	0.782	0.159	2	10/18/21 21:33	10/19/21 17:03	EPA 3050B	1,6010D	GD
Zinc, Total	11.0		mg/kg	3.91	0.229	2	10/18/21 21:33	10/19/21 17:03	EPA 3050B	1,6010D	GD



Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156337-23
 Client ID: GRID Y_0-2
 Sample Location: Not Specified

Date Collected: 10/14/21 14:36
 Date Received: 10/14/21
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil
 Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	6870		mg/kg	8.34	2.25	2	10/18/21 21:33	10/19/21 17:07	EPA 3050B	1,6010D	GD
Antimony, Total	ND		mg/kg	4.17	0.317	2	10/18/21 21:33	10/19/21 17:07	EPA 3050B	1,6010D	GD
Arsenic, Total	10.5		mg/kg	0.834	0.174	2	10/18/21 21:33	10/19/21 17:07	EPA 3050B	1,6010D	GD
Barium, Total	12.0		mg/kg	0.834	0.145	2	10/18/21 21:33	10/19/21 17:07	EPA 3050B	1,6010D	GD
Beryllium, Total	0.167	J	mg/kg	0.417	0.028	2	10/18/21 21:33	10/19/21 17:07	EPA 3050B	1,6010D	GD
Cadmium, Total	0.092	J	mg/kg	0.834	0.082	2	10/18/21 21:33	10/19/21 17:07	EPA 3050B	1,6010D	GD
Calcium, Total	113		mg/kg	8.34	2.92	2	10/18/21 21:33	10/19/21 17:07	EPA 3050B	1,6010D	GD
Chromium, Total	7.22		mg/kg	0.834	0.080	2	10/18/21 21:33	10/19/21 17:07	EPA 3050B	1,6010D	GD
Cobalt, Total	2.34		mg/kg	1.67	0.138	2	10/18/21 21:33	10/19/21 17:07	EPA 3050B	1,6010D	GD
Copper, Total	9.71		mg/kg	0.834	0.215	2	10/18/21 21:33	10/19/21 17:07	EPA 3050B	1,6010D	GD
Iron, Total	7350		mg/kg	4.17	0.753	2	10/18/21 21:33	10/19/21 17:07	EPA 3050B	1,6010D	GD
Lead, Total	6.43		mg/kg	4.17	0.224	2	10/18/21 21:33	10/19/21 17:07	EPA 3050B	1,6010D	GD
Magnesium, Total	648		mg/kg	8.34	1.28	2	10/18/21 21:33	10/19/21 17:07	EPA 3050B	1,6010D	GD
Manganese, Total	52.0		mg/kg	0.834	0.133	2	10/18/21 21:33	10/19/21 17:07	EPA 3050B	1,6010D	GD
Mercury, Total	ND		mg/kg	0.076	0.049	1	10/18/21 22:02	10/19/21 06:58	EPA 7471B	1,7471B	AC
Nickel, Total	3.75		mg/kg	2.08	0.202	2	10/18/21 21:33	10/19/21 17:07	EPA 3050B	1,6010D	GD
Potassium, Total	145	J	mg/kg	208	12.0	2	10/18/21 21:33	10/19/21 17:07	EPA 3050B	1,6010D	GD
Selenium, Total	ND		mg/kg	1.67	0.215	2	10/18/21 21:33	10/19/21 17:07	EPA 3050B	1,6010D	GD
Silver, Total	ND		mg/kg	0.834	0.236	2	10/18/21 21:33	10/19/21 17:07	EPA 3050B	1,6010D	GD
Sodium, Total	12.1	J	mg/kg	167	2.63	2	10/18/21 21:33	10/19/21 17:07	EPA 3050B	1,6010D	GD
Thallium, Total	ND		mg/kg	1.67	0.263	2	10/18/21 21:33	10/19/21 17:07	EPA 3050B	1,6010D	GD
Vanadium, Total	12.8		mg/kg	0.834	0.169	2	10/18/21 21:33	10/19/21 17:07	EPA 3050B	1,6010D	GD
Zinc, Total	11.9		mg/kg	4.17	0.244	2	10/18/21 21:33	10/19/21 17:07	EPA 3050B	1,6010D	GD



Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01,03,05,07,09,11,13,15,17,19,21,23							Batch: WG1559274-1			
Aluminum, Total	ND		mg/kg	4.00	1.08	1	10/18/21 21:33	10/19/21 14:10	1,6010D	GD
Antimony, Total	ND		mg/kg	2.00	0.152	1	10/18/21 21:33	10/19/21 14:10	1,6010D	GD
Arsenic, Total	ND		mg/kg	0.400	0.083	1	10/18/21 21:33	10/19/21 14:10	1,6010D	GD
Barium, Total	ND		mg/kg	0.400	0.070	1	10/18/21 21:33	10/19/21 14:10	1,6010D	GD
Beryllium, Total	ND		mg/kg	0.200	0.013	1	10/18/21 21:33	10/19/21 14:10	1,6010D	GD
Cadmium, Total	ND		mg/kg	0.400	0.039	1	10/18/21 21:33	10/19/21 14:10	1,6010D	GD
Calcium, Total	ND		mg/kg	4.00	1.40	1	10/18/21 21:33	10/19/21 14:10	1,6010D	GD
Chromium, Total	ND		mg/kg	0.400	0.038	1	10/18/21 21:33	10/19/21 14:10	1,6010D	GD
Cobalt, Total	ND		mg/kg	0.800	0.066	1	10/18/21 21:33	10/19/21 14:10	1,6010D	GD
Copper, Total	ND		mg/kg	0.400	0.103	1	10/18/21 21:33	10/19/21 14:10	1,6010D	GD
Iron, Total	0.376	J	mg/kg	2.00	0.361	1	10/18/21 21:33	10/19/21 14:10	1,6010D	GD
Lead, Total	ND		mg/kg	2.00	0.107	1	10/18/21 21:33	10/19/21 14:10	1,6010D	GD
Magnesium, Total	ND		mg/kg	4.00	0.616	1	10/18/21 21:33	10/19/21 14:10	1,6010D	GD
Manganese, Total	ND		mg/kg	0.400	0.064	1	10/18/21 21:33	10/19/21 14:10	1,6010D	GD
Nickel, Total	ND		mg/kg	1.00	0.097	1	10/18/21 21:33	10/19/21 14:10	1,6010D	GD
Potassium, Total	ND		mg/kg	100	5.76	1	10/18/21 21:33	10/19/21 14:10	1,6010D	GD
Selenium, Total	ND		mg/kg	0.800	0.103	1	10/18/21 21:33	10/19/21 14:10	1,6010D	GD
Silver, Total	ND		mg/kg	0.400	0.113	1	10/18/21 21:33	10/19/21 14:10	1,6010D	GD
Sodium, Total	1.57	J	mg/kg	80.0	1.26	1	10/18/21 21:33	10/19/21 14:10	1,6010D	GD
Thallium, Total	ND		mg/kg	0.800	0.126	1	10/18/21 21:33	10/19/21 14:10	1,6010D	GD
Vanadium, Total	ND		mg/kg	0.400	0.081	1	10/18/21 21:33	10/19/21 14:10	1,6010D	GD
Zinc, Total	ND		mg/kg	2.00	0.117	1	10/18/21 21:33	10/19/21 14:10	1,6010D	GD

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01,03,05,07,09,11,13,15,17,19,21,23							Batch: WG1559276-1			
Mercury, Total	ND		mg/kg	0.083	0.054	1	10/18/21 22:02	10/19/21 05:41	1,7471B	AC



Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

Method Blank Analysis Batch Quality Control

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 08,10,12,14 Batch: WG1563264-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	10/27/21 06:20	10/27/21 15:02	1,6010D	DL
Antimony, Total	ND		mg/kg	2.00	0.152	1	10/27/21 06:20	10/27/21 15:02	1,6010D	DL
Arsenic, Total	ND		mg/kg	0.400	0.083	1	10/27/21 06:20	10/27/21 15:02	1,6010D	DL
Barium, Total	ND		mg/kg	0.400	0.070	1	10/27/21 06:20	10/27/21 15:02	1,6010D	DL
Beryllium, Total	ND		mg/kg	0.200	0.013	1	10/27/21 06:20	10/27/21 15:02	1,6010D	DL
Cadmium, Total	ND		mg/kg	0.400	0.039	1	10/27/21 06:20	10/27/21 15:02	1,6010D	DL
Calcium, Total	ND		mg/kg	4.00	1.40	1	10/27/21 06:20	10/27/21 15:02	1,6010D	DL
Chromium, Total	ND		mg/kg	0.400	0.038	1	10/27/21 06:20	10/27/21 15:02	1,6010D	DL
Cobalt, Total	ND		mg/kg	0.800	0.066	1	10/27/21 06:20	10/27/21 15:02	1,6010D	DL
Copper, Total	ND		mg/kg	0.400	0.103	1	10/27/21 06:20	10/27/21 15:02	1,6010D	DL
Iron, Total	2.36		mg/kg	2.00	0.361	1	10/27/21 06:20	10/27/21 15:02	1,6010D	DL
Lead, Total	ND		mg/kg	2.00	0.107	1	10/27/21 06:20	10/27/21 15:02	1,6010D	DL
Magnesium, Total	ND		mg/kg	4.00	0.616	1	10/27/21 06:20	10/27/21 15:02	1,6010D	DL
Manganese, Total	0.072	J	mg/kg	0.400	0.064	1	10/27/21 06:20	10/27/21 15:02	1,6010D	DL
Nickel, Total	ND		mg/kg	1.00	0.097	1	10/27/21 06:20	10/27/21 15:02	1,6010D	DL
Potassium, Total	ND		mg/kg	100	5.76	1	10/27/21 06:20	10/27/21 15:02	1,6010D	DL
Selenium, Total	ND		mg/kg	0.800	0.103	1	10/27/21 06:20	10/27/21 15:02	1,6010D	DL
Silver, Total	ND		mg/kg	0.400	0.113	1	10/27/21 06:20	10/27/21 15:02	1,6010D	DL
Sodium, Total	5.52	J	mg/kg	80.0	1.26	1	10/27/21 06:20	10/27/21 15:02	1,6010D	DL
Thallium, Total	ND		mg/kg	0.800	0.126	1	10/27/21 06:20	10/27/21 15:02	1,6010D	DL
Vanadium, Total	ND		mg/kg	0.400	0.081	1	10/27/21 06:20	10/27/21 15:02	1,6010D	DL
Zinc, Total	ND		mg/kg	2.00	0.117	1	10/27/21 06:20	10/27/21 15:02	1,6010D	DL

Prep Information

Digestion Method: EPA 3050B



Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 08,10,12,14 Batch: WG1563265-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	10/27/21 09:55	10/27/21 13:19	1,7471B	AC

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01,03,05,07,09,11,13,15,17,19,21,23 Batch: WG1559274-2 SRM Lot Number: D109-540								
Aluminum, Total	80		-		50-150	-		
Antimony, Total	126		-		19-250	-		
Arsenic, Total	107		-		70-130	-		
Barium, Total	108		-		75-125	-		
Beryllium, Total	103		-		75-125	-		
Cadmium, Total	105		-		75-125	-		
Calcium, Total	96		-		73-128	-		
Chromium, Total	102		-		70-130	-		
Cobalt, Total	106		-		75-125	-		
Copper, Total	102		-		75-125	-		
Iron, Total	104		-		35-165	-		
Lead, Total	102		-		72-128	-		
Magnesium, Total	85		-		62-138	-		
Manganese, Total	96		-		74-126	-		
Nickel, Total	102		-		70-130	-		
Potassium, Total	93		-		59-141	-		
Selenium, Total	102		-		68-132	-		
Silver, Total	101		-		68-131	-		
Sodium, Total	104		-		35-165	-		
Thallium, Total	105		-		68-131	-		
Vanadium, Total	109		-		59-141	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01,03,05,07,09,11,13,15,17,19,21,23 Batch: WG1559274-2 SRM Lot Number: D109-540					
Zinc, Total	104	-	70-130	-	
Total Metals - Mansfield Lab Associated sample(s): 01,03,05,07,09,11,13,15,17,19,21,23 Batch: WG1559276-2 SRM Lot Number: D109-540					
Mercury, Total	98	-	60-140	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 08,10,12,14 Batch: WG1563264-2 SRM Lot Number: D109-540					
Aluminum, Total	65	-	50-150	-	
Antimony, Total	140	-	19-250	-	
Arsenic, Total	96	-	70-130	-	
Barium, Total	93	-	75-125	-	
Beryllium, Total	90	-	75-125	-	
Cadmium, Total	94	-	75-125	-	
Calcium, Total	91	-	73-128	-	
Chromium, Total	99	-	70-130	-	
Cobalt, Total	91	-	75-125	-	
Copper, Total	100	-	75-125	-	
Iron, Total	87	-	35-165	-	
Lead, Total	90	-	72-128	-	
Magnesium, Total	82	-	62-138	-	
Manganese, Total	88	-	74-126	-	
Nickel, Total	91	-	70-130	-	
Potassium, Total	87	-	59-141	-	
Selenium, Total	95	-	68-132	-	
Silver, Total	98	-	68-131	-	
Sodium, Total	94	-	35-165	-	
Thallium, Total	96	-	68-131	-	
Vanadium, Total	96	-	59-141	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 08,10,12,14 Batch: WG1563264-2 SRM Lot Number: D109-540					
Zinc, Total	92	-	70-130	-	
Total Metals - Mansfield Lab Associated sample(s): 08,10,12,14 Batch: WG1563265-2 SRM Lot Number: D109-540					
Mercury, Total	99	-	60-140	-	

Matrix Spike Analysis **Batch Quality Control**

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01,03,05,07,09,11,13,15,17,19,21,23						QC Batch ID: WG1559274-3			QC Sample: L2153641-08		Client ID:	
MS Sample												
Aluminum, Total	12100	181	16200	2260	Q	-	-		75-125	-		20
Antimony, Total	ND	45.3	31.3	69	Q	-	-		75-125	-		20
Arsenic, Total	3.08	10.9	12.8	89		-	-		75-125	-		20
Barium, Total	14.4	181	179	91		-	-		75-125	-		20
Beryllium, Total	0.142J	4.53	3.96	87		-	-		75-125	-		20
Cadmium, Total	0.102J	4.81	4.06	84		-	-		75-125	-		20
Calcium, Total	192	907	873	75		-	-		75-125	-		20
Chromium, Total	13.6	18.1	30.6	94		-	-		75-125	-		20
Cobalt, Total	0.992	45.3	37.1	80		-	-		75-125	-		20
Copper, Total	4.96	22.7	26.1	93		-	-		75-125	-		20
Iron, Total	9460	90.7	9900	485	Q	-	-		75-125	-		20
Lead, Total	9.02	48.1	44.2	73	Q	-	-		75-125	-		20
Magnesium, Total	148	907	834	76		-	-		75-125	-		20
Manganese, Total	13.3	45.3	48.1	77		-	-		75-125	-		20
Nickel, Total	3.53	45.3	39.4	79		-	-		75-125	-		20
Potassium, Total	163	907	1000	92		-	-		75-125	-		20
Selenium, Total	ND	10.9	8.59	79		-	-		75-125	-		20
Silver, Total	ND	27.2	24.7	91		-	-		75-125	-		20
Sodium, Total	22.7J	907	843	93		-	-		75-125	-		20
Thallium, Total	ND	10.9	8.82	81		-	-		75-125	-		20
Vanadium, Total	20.5	45.3	62.2	92		-	-		75-125	-		20

Matrix Spike Analysis **Batch Quality Control**

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01,03,05,07,09,11,13,15,17,19,21,23 MS Sample					QC Batch ID: WG1559274-3		QC Sample: L2153641-08	Client ID:	
Zinc, Total	6.66	45.3	43.4	81	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 01,03,05,07,09,11,13,15,17,19,21,23 MS Sample					QC Batch ID: WG1559276-3		QC Sample: L2153970-10	Client ID:	
Mercury, Total	0.083	0.144	0.192	76	Q	-	80-120	-	20

Matrix Spike Analysis **Batch Quality Control**

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 08,10,12,14 QC Batch ID: WG1563264-3 QC Sample: L2157115-01 Client ID: MS Sample									
Aluminum, Total	2240	184	3000	413	Q	-	75-125	-	20
Antimony, Total	ND	46	37.2	81	-	-	75-125	-	20
Arsenic, Total	0.736J	11	10.3	93	-	-	75-125	-	20
Barium, Total	4.20	184	188	100	-	-	75-125	-	20
Beryllium, Total	ND	4.6	4.33	94	-	-	75-125	-	20
Cadmium, Total	ND	4.88	4.79	98	-	-	75-125	-	20
Calcium, Total	163	920	1080	100	-	-	75-125	-	20
Chromium, Total	4.26	18.4	23.8	106	-	-	75-125	-	20
Cobalt, Total	0.382J	46	41.7	91	-	-	75-125	-	20
Copper, Total	1.83	23	25.9	105	-	-	75-125	-	20
Iron, Total	2450B	92	3000	598	Q	-	75-125	-	20
Lead, Total	5.15	48.8	52.2	96	-	-	75-125	-	20
Magnesium, Total	84.1	920	1010	101	-	-	75-125	-	20
Manganese, Total	8.34	46	53.0	97	-	-	75-125	-	20
Nickel, Total	0.718J	46	42.9	93	-	-	75-125	-	20
Potassium, Total	96.6J	920	965	105	-	-	75-125	-	20
Selenium, Total	ND	11	9.30	84	-	-	75-125	-	20
Silver, Total	ND	27.6	31.7	115	-	-	75-125	-	20
Sodium, Total	13.4J	920	947	103	-	-	75-125	-	20
Thallium, Total	ND	11	10.2	92	-	-	75-125	-	20
Vanadium, Total	6.56	46	55.0	105	-	-	75-125	-	20

Matrix Spike Analysis

Batch Quality Control

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 08,10,12,14 QC Batch ID: WG1563264-3 QC Sample: L2157115-01 Client ID: MS Sample									
Zinc, Total	5.07	46	50.9	100	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 08,10,12,14 QC Batch ID: WG1563265-3 QC Sample: L2157115-01 Client ID: MS Sample									
Mercury, Total	ND	0.152	0.152	100	-	-	80-120	-	20

Lab Duplicate Analysis *Batch Quality Control*

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01,03,05,07,09,11,13,15,17,19,21,23 QC Batch ID: WG1559274-4 QC Sample: L2153641-08 Client ID: DUP Sample						
Lead, Total	9.02	5.24	mg/kg	53	Q	20
Total Metals - Mansfield Lab Associated sample(s): 01,03,05,07,09,11,13,15,17,19,21,23 QC Batch ID: WG1559276-4 QC Sample: L2153970-10 Client ID: DUP Sample						
Mercury, Total	0.083	0.076	mg/kg	8		20

Lab Duplicate Analysis *Batch Quality Control*

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 08,10,12,14 QC Batch ID: WG1563264-4 QC Sample: L2157115-01 Client ID: DUP Sample					
Aluminum, Total	2240	2430	mg/kg	8	20
Antimony, Total	ND	ND	mg/kg	NC	20
Arsenic, Total	0.736J	1.11	mg/kg	NC	20
Barium, Total	4.20	5.89	mg/kg	33	Q 20
Beryllium, Total	ND	ND	mg/kg	NC	20
Cadmium, Total	ND	ND	mg/kg	NC	20
Calcium, Total	163	189	mg/kg	15	20
Chromium, Total	4.26	5.92	mg/kg	33	Q 20
Cobalt, Total	0.382J	0.394J	mg/kg	NC	20
Copper, Total	1.83	2.25	mg/kg	21	Q 20
Iron, Total	2450B	3370	mg/kg	32	Q 20
Lead, Total	5.15	6.17	mg/kg	18	20
Magnesium, Total	84.1	113	mg/kg	29	Q 20
Manganese, Total	8.34	9.44	mg/kg	12	20
Nickel, Total	0.718J	0.891J	mg/kg	NC	20
Potassium, Total	96.6J	90.5J	mg/kg	NC	20
Selenium, Total	ND	ND	mg/kg	NC	20
Silver, Total	ND	ND	mg/kg	NC	20
Sodium, Total	13.4J	14.1J	mg/kg	NC	20

Project Name: HKV2101
Project Number: Not Specified

Lab Duplicate Analysis

Batch Quality Control

Lab Number: L2156337
Report Date: 10/29/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 08,10,12,14 QC Batch ID: WG1563264-4 QC Sample: L2157115-01 Client ID: DUP Sample					
Thallium, Total	ND	ND	mg/kg	NC	20
Vanadium, Total	6.56	7.78	mg/kg	17	20
Zinc, Total	5.07	6.20	mg/kg	20	20
Total Metals - Mansfield Lab Associated sample(s): 08,10,12,14 QC Batch ID: WG1563265-4 QC Sample: L2157115-01 Client ID: DUP Sample					
Mercury, Total	ND	ND	mg/kg	NC	20

Project Name: HKV2101
Project Number: Not Specified

**Lab Serial Dilution
Analysis
Batch Quality Control**

Lab Number: L2156337
Report Date: 10/29/21

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 08,10,12,14 QC Batch ID: WG1563264-6 QC Sample: L2157115-01 Client ID: DUP Sample						
Aluminum, Total	2240	2330	mg/kg	4		20
Iron, Total	2450B	2570	mg/kg	5		20

INORGANICS & MISCELLANEOUS

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156337-01
Client ID: GRID E_0-2
Sample Location: Not Specified

Date Collected: 10/14/21 08:03
Date Received: 10/14/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	78.0		%	0.100	NA	1	-	10/15/21 11:26	121,2540G	RI



Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156337-03
Client ID: GRID F_0-2
Sample Location: Not Specified

Date Collected: 10/14/21 09:07
Date Received: 10/14/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	97.6		%	0.100	NA	1	-	10/15/21 11:26	121,2540G	RI



Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156337-04
Client ID: GRID F_18-24
Sample Location: Not Specified

Date Collected: 10/14/21 09:07
Date Received: 10/14/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	81.1		%	0.100	NA	1	-	10/26/21 11:17	121,2540G	RI



Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156337-05
Client ID: GRID G_0-2
Sample Location: Not Specified

Date Collected: 10/14/21 11:45
Date Received: 10/14/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	95.8		%	0.100	NA	1	-	10/15/21 11:26	121,2540G	RI



Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156337-06
Client ID: GRID G_18-24
Sample Location: Not Specified

Date Collected: 10/14/21 11:45
Date Received: 10/14/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.4		%	0.100	NA	1	-	10/26/21 11:17	121,2540G	RI



Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156337-07
Client ID: GRID H_0-2
Sample Location: Not Specified

Date Collected: 10/14/21 10:59
Date Received: 10/14/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	92.4		%	0.100	NA	1	-	10/15/21 11:26	121,2540G	RI



Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156337-08
Client ID: GRID H_18-24
Sample Location: Not Specified

Date Collected: 10/14/21 10:59
Date Received: 10/14/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	92.5		%	0.100	NA	1	-	10/26/21 11:17	121,2540G	RI



Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156337-09
Client ID: GRID I_0-2
Sample Location: Not Specified

Date Collected: 10/14/21 13:18
Date Received: 10/14/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.1		%	0.100	NA	1	-	10/15/21 11:26	121,2540G	RI



Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156337-10
Client ID: GRID I_18-24
Sample Location: Not Specified

Date Collected: 10/14/21 13:18
Date Received: 10/14/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	93.3		%	0.100	NA	1	-	10/26/21 11:17	121,2540G	RI



Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156337-11
Client ID: GRID J_0-2
Sample Location: Not Specified

Date Collected: 10/14/21 13:50
Date Received: 10/14/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	92.8		%	0.100	NA	1	-	10/15/21 11:26	121,2540G	RI



Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156337-12
Client ID: GRID J_18-24
Sample Location: Not Specified

Date Collected: 10/14/21 13:50
Date Received: 10/14/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	96.5		%	0.100	NA	1	-	10/26/21 11:17	121,2540G	RI



Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156337-13
Client ID: GRID K_0-2
Sample Location: Not Specified

Date Collected: 10/14/21 15:10
Date Received: 10/14/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	92.5		%	0.100	NA	1	-	10/15/21 11:26	121,2540G	RI



Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156337-14
Client ID: GRID K_18-24
Sample Location: Not Specified

Date Collected: 10/14/21 15:10
Date Received: 10/14/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	93.4		%	0.100	NA	1	-	10/26/21 11:17	121,2540G	RI



Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156337-15
Client ID: GRID U_0-2
Sample Location: Not Specified

Date Collected: 10/14/21 08:39
Date Received: 10/14/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.8		%	0.100	NA	1	-	10/15/21 11:26	121,2540G	RI



Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156337-16
Client ID: GRID U_18-24
Sample Location: Not Specified

Date Collected: 10/14/21 08:39
Date Received: 10/14/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.1		%	0.100	NA	1	-	10/26/21 11:17	121,2540G	RI



Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156337-17
Client ID: GRID V_0-2
Sample Location: Not Specified

Date Collected: 10/14/21 10:20
Date Received: 10/14/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	76.5		%	0.100	NA	1	-	10/15/21 11:26	121,2540G	RI



Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156337-18
Client ID: GRID V_18-24
Sample Location: Not Specified

Date Collected: 10/14/21 10:20
Date Received: 10/14/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.9		%	0.100	NA	1	-	10/26/21 11:17	121,2540G	RI



Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156337-19
Client ID: GRID W_0-2
Sample Location: Not Specified

Date Collected: 10/14/21 12:11
Date Received: 10/14/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	78.0		%	0.100	NA	1	-	10/15/21 11:26	121,2540G	RI



Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156337-20
Client ID: GRID W_18-24
Sample Location: Not Specified

Date Collected: 10/14/21 12:11
Date Received: 10/14/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	95.0		%	0.100	NA	1	-	10/26/21 11:17	121,2540G	RI



Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156337-21
Client ID: GRID X_0-2
Sample Location: Not Specified

Date Collected: 10/14/21 12:46
Date Received: 10/14/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	97.1		%	0.100	NA	1	-	10/15/21 11:26	121,2540G	RI



Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156337-22
Client ID: GRID X_18-24
Sample Location: Not Specified

Date Collected: 10/14/21 12:46
Date Received: 10/14/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	98.1		%	0.100	NA	1	-	10/26/21 11:17	121,2540G	RI



Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156337-23
Client ID: GRID Y_0-2
Sample Location: Not Specified

Date Collected: 10/14/21 14:36
Date Received: 10/14/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	93.0		%	0.100	NA	1	-	10/15/21 11:26	121,2540G	RI



Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156337-24
Client ID: GRID Y_18-24
Sample Location: Not Specified

Date Collected: 10/14/21 14:36
Date Received: 10/14/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	97.6		%	0.100	NA	1	-	10/26/21 11:17	121,2540G	RI



Lab Duplicate Analysis

Batch Quality Control

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01,03,05,07,09,11,13,15,17,19,21,23 QC Batch ID: WG1559076-1 QC Sample: L2156337-01 Client ID: GRID E_0-2						
Solids, Total	78.0	77.8	%	0		20
General Chemistry - Westborough Lab Associated sample(s): 04,06,08,10,12,14,16,18,20,22,24 QC Batch ID: WG1563217-1 QC Sample: L2156337-04 Client ID: GRID F_18-24						
Solids, Total	81.1	80.7	%	0		20

Project Name: HKV2101
Project Number: Not Specified

Serial_No:10292117:36
Lab Number: L2156337
Report Date: 10/29/21

Sample Receipt and Container Information

Were project specific reporting limits specified?

YES

Cooler Information

Cooler **Custody Seal**
A Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2156337-01A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		5.3	Y	Absent		BE-Ti(180),BA-Ti(180),AS-Ti(180),AG-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),AL-Ti(180),CU-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),PB-Ti(180),V-Ti(180),CO-Ti(180),FE-Ti(180),MN-Ti(180),HG-T(28),MG-Ti(180),K-Ti(180),CD-Ti(180),CA-Ti(180),NA-Ti(180)
L2156337-01B	Glass 60mL/2oz unpreserved	A	NA		5.3	Y	Absent		TS(7),NYTCL-8081(14)
L2156337-02A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		5.3	Y	Absent		HOLD-METAL(180)
L2156337-02B	Glass 60mL/2oz unpreserved	A	NA		5.3	Y	Absent		HOLD-WETCHEM(),HOLD-8081(14)
L2156337-03A	Vial MeOH preserved	A	NA		5.3	Y	Absent		NYTCL-8260HLW(14)
L2156337-03B	Vial water preserved	A	NA		5.3	Y	Absent	15-OCT-21 08:56	NYTCL-8260HLW(14)
L2156337-03C	Vial water preserved	A	NA		5.3	Y	Absent	15-OCT-21 08:56	NYTCL-8260HLW(14)
L2156337-03D	Metals Only-Glass 60mL/2oz unpreserved	A	NA		5.3	Y	Absent		BE-Ti(180),AS-Ti(180),BA-Ti(180),AG-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),AL-Ti(180),CU-Ti(180),SE-Ti(180),PB-Ti(180),SB-Ti(180),ZN-Ti(180),CO-Ti(180),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),CD-Ti(180),CA-Ti(180),K-Ti(180),NA-Ti(180)
L2156337-03E	Glass 60mL/2oz unpreserved	A	NA		5.3	Y	Absent		BE-Ti(180),AS-Ti(180),BA-Ti(180),AG-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),AL-Ti(180),CU-Ti(180),SE-Ti(180),PB-Ti(180),SB-Ti(180),ZN-Ti(180),CO-Ti(180),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),CD-Ti(180),CA-Ti(180),K-Ti(180),NA-Ti(180)
L2156337-03F	Glass 60mL/2oz unpreserved	A	NA		5.3	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365)
L2156337-03G	Glass 120ml/4oz unpreserved	A	NA		5.3	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365)
L2156337-03H	Plastic 2oz unpreserved for TS	A	NA		5.3	Y	Absent		TS(7)
L2156337-03J	Glass 500ml/16oz unpreserved	A	NA		5.3	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365)
L2156337-04A	Vial MeOH preserved	A	NA		5.3	Y	Absent		HOLD-8260HLW(14)
L2156337-04B	Vial water preserved	A	NA		5.3	Y	Absent	15-OCT-21 08:56	HOLD-8260HLW(14)

Project Name: HKV2101
Project Number: Not Specified

Serial_No:10292117:36
Lab Number: L2156337
Report Date: 10/29/21

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2156337-04C	Vial water preserved	A	NA		5.3	Y	Absent	15-OCT-21 08:56	HOLD-8260HLW(14)
L2156337-04D	Metals Only-Glass 60mL/2oz unpreserved	A	NA		5.3	Y	Absent		HOLD-METAL(180)
L2156337-04E	Glass 60mL/2oz unpreserved	A	NA		5.3	Y	Absent		HOLD-8151(14),HOLD-8270(14),HOLD-8082(14)
L2156337-04F	Glass 60mL/2oz unpreserved	A	NA		5.3	Y	Absent		HOLD-8151(14),TS(7),NYTCL-8081(14),HOLD-8270(14),HOLD-8082(14)
L2156337-04G	Glass 120ml/4oz unpreserved	A	NA		5.3	Y	Absent		HOLD-8151(14),HOLD-8270(14),HOLD-8082(14)
L2156337-04H	Plastic 2oz unpreserved for TS	A	NA		5.3	Y	Absent		-
L2156337-04J	Glass 500ml/16oz unpreserved	A	NA		5.3	Y	Absent		HOLD-8151(14),HOLD-8270(14),HOLD-8082(14)
L2156337-05A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		5.3	Y	Absent		BE-Ti(180),BA-Ti(180),AS-Ti(180),AG-Ti(180),CR-Ti(180),AL-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),ZN-Ti(180),SE-Ti(180),SB-Ti(180),CO-Ti(180),V-Ti(180),MG-Ti(180),MN-Ti(180),FE-Ti(180),HG-T(28),NA-Ti(180),CD-Ti(180),K-Ti(180),CA-Ti(180)
L2156337-05B	Glass 60mL/2oz unpreserved	A	NA		5.3	Y	Absent		TS(7),NYTCL-8081(14)
L2156337-06A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		5.3	Y	Absent		HOLD-METAL(180)
L2156337-06B	Glass 60mL/2oz unpreserved	A	NA		5.3	Y	Absent		TS(7),NYTCL-8081(14)
L2156337-07A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		5.3	Y	Absent		BE-Ti(180),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),NI-Ti(180),TL-Ti(180),CR-Ti(180),PB-Ti(180),ZN-Ti(180),CU-Ti(180),SE-Ti(180),SB-Ti(180),V-Ti(180),CO-Ti(180),FE-Ti(180),MN-Ti(180),MG-Ti(180),HG-T(28),NA-Ti(180),CA-Ti(180),K-Ti(180),CD-Ti(180)
L2156337-07B	Glass 60mL/2oz unpreserved	A	NA		5.3	Y	Absent		TS(7),NYTCL-8081(14)
L2156337-08A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		5.3	Y	Absent		BE-Ti(180),AS-Ti(180),BA-Ti(180),AG-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),AL-Ti(180),CU-Ti(180),SE-Ti(180),PB-Ti(180),SB-Ti(180),ZN-Ti(180),V-Ti(180),CO-Ti(180),FE-Ti(180),MN-Ti(180),HG-T(28),HOLD-METAL(180),MG-Ti(180),CA-Ti(180),NA-Ti(180),CD-Ti(180),K-Ti(180)
L2156337-08B	Glass 60mL/2oz unpreserved	A	NA		5.3	Y	Absent		TS(7),NYTCL-8081(14)
L2156337-09A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		5.3	Y	Absent		BE-Ti(180),AS-Ti(180),BA-Ti(180),AG-Ti(180),TL-Ti(180),AL-Ti(180),NI-Ti(180),CR-Ti(180),ZN-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),CU-Ti(180),CO-Ti(180),V-Ti(180),FE-Ti(180),MG-Ti(180),MN-Ti(180),HG-T(28),K-Ti(180),NA-Ti(180),CD-Ti(180),CA-Ti(180)
L2156337-09B	Glass 60mL/2oz unpreserved	A	NA		5.3	Y	Absent		TS(7),NYTCL-8081(14)

Project Name: HKV2101
Project Number: Not Specified

Serial_No:10292117:36
Lab Number: L2156337
Report Date: 10/29/21

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2156337-10A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		5.3	Y	Absent		BE-Ti(180),BA-Ti(180),AS-Ti(180),AG-Ti(180),AL-Ti(180),TL-Ti(180),NI-Ti(180),CR-Ti(180),CU-Ti(180),PB-Ti(180),SE-Ti(180),SB-Ti(180),ZN-Ti(180),V-Ti(180),CO-Ti(180),MG-Ti(180),HG-T(28),FE-Ti(180),HOLD-METAL(180),MN-Ti(180),NA-Ti(180),CD-Ti(180),CA-Ti(180),K-Ti(180)
L2156337-10B	Glass 60mL/2oz unpreserved	A	NA		5.3	Y	Absent		TS(7),NYTCL-8081(14)
L2156337-11A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		5.3	Y	Absent		BE-Ti(180),AS-Ti(180),BA-Ti(180),AG-Ti(180),CR-Ti(180),TL-Ti(180),NI-Ti(180),AL-Ti(180),CU-Ti(180),PB-Ti(180),ZN-Ti(180),SB-Ti(180),SE-Ti(180),V-Ti(180),CO-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),NA-Ti(180),CD-Ti(180),CA-Ti(180),K-Ti(180)
L2156337-11B	Glass 60mL/2oz unpreserved	A	NA		5.3	Y	Absent		TS(7),NYTCL-8081(14)
L2156337-12A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		5.3	Y	Absent		BE-Ti(180),BA-Ti(180),AS-Ti(180),AG-Ti(180),TL-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),ZN-Ti(180),SB-Ti(180),CU-Ti(180),PB-Ti(180),SE-Ti(180),CO-Ti(180),V-Ti(180),FE-Ti(180),HG-T(28),HOLD-METAL(180),MN-Ti(180),MG-Ti(180),K-Ti(180),CD-Ti(180),NA-Ti(180),CA-Ti(180)
L2156337-12B	Glass 60mL/2oz unpreserved	A	NA		5.3	Y	Absent		TS(7),NYTCL-8081(14)
L2156337-13A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		5.3	Y	Absent		BE-Ti(180),BA-Ti(180),AS-Ti(180),AG-Ti(180),NI-Ti(180),AL-Ti(180),CR-Ti(180),TL-Ti(180),SB-Ti(180),ZN-Ti(180),CU-Ti(180),PB-Ti(180),SE-Ti(180),V-Ti(180),CO-Ti(180),FE-Ti(180),MG-Ti(180),HG-T(28),MN-Ti(180),K-Ti(180),CD-Ti(180),NA-Ti(180),CA-Ti(180)
L2156337-13B	Glass 60mL/2oz unpreserved	A	NA		5.3	Y	Absent		TS(7),NYTCL-8081(14)
L2156337-14A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		5.3	Y	Absent		BE-Ti(180),BA-Ti(180),AS-Ti(180),AG-Ti(180),NI-Ti(180),AL-Ti(180),CR-Ti(180),TL-Ti(180),SE-Ti(180),CU-Ti(180),SB-Ti(180),PB-Ti(180),ZN-Ti(180),V-Ti(180),CO-Ti(180),HG-T(28),MN-Ti(180),MG-Ti(180),HOLD-METAL(180),FE-Ti(180),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L2156337-14B	Glass 60mL/2oz unpreserved	A	NA		5.3	Y	Absent		TS(7),NYTCL-8081(14)
L2156337-15A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		5.3	Y	Absent		BE-Ti(180),BA-Ti(180),AS-Ti(180),AG-Ti(180),CR-Ti(180),AL-Ti(180),NI-Ti(180),TL-Ti(180),ZN-Ti(180),SE-Ti(180),SB-Ti(180),PB-Ti(180),CU-Ti(180),CO-Ti(180),V-Ti(180),FE-Ti(180),MN-Ti(180),MG-Ti(180),HG-T(28),K-Ti(180),CD-Ti(180),CA-Ti(180),NA-Ti(180)
L2156337-15B	Glass 60mL/2oz unpreserved	A	NA		5.3	Y	Absent		TS(7),NYTCL-8081(14)

Project Name: HKV2101
Project Number: Not Specified

Serial_No:10292117:36
Lab Number: L2156337
Report Date: 10/29/21

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2156337-16A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		5.3	Y	Absent		HOLD-METAL(180)
L2156337-16B	Glass 60mL/2oz unpreserved	A	NA		5.3	Y	Absent		TS(7),NYTCL-8081(14)
L2156337-17A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		5.3	Y	Absent		BE-Ti(180),AS-Ti(180),BA-Ti(180),AG-Ti(180),NI-Ti(180),AL-Ti(180),CR-Ti(180),TL-Ti(180),PB-Ti(180),CU-Ti(180),SE-Ti(180),SB-Ti(180),ZN-Ti(180),CO-Ti(180),V-Ti(180),FE-Ti(180),HG-T(28),MN-Ti(180),MG-Ti(180),CD-Ti(180),NA-Ti(180),CA-Ti(180),K-Ti(180)
L2156337-17B	Glass 60mL/2oz unpreserved	A	NA		5.3	Y	Absent		TS(7),NYTCL-8081(14)
L2156337-18A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		5.3	Y	Absent		HOLD-METAL(180)
L2156337-18B	Glass 60mL/2oz unpreserved	A	NA		5.3	Y	Absent		TS(7),NYTCL-8081(14)
L2156337-19A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		5.3	Y	Absent		BE-Ti(180),AS-Ti(180),BA-Ti(180),AG-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),AL-Ti(180),PB-Ti(180),ZN-Ti(180),CU-Ti(180),SB-Ti(180),SE-Ti(180),V-Ti(180),CO-Ti(180),MN-Ti(180),HG-T(28),MG-Ti(180),FE-Ti(180),K-Ti(180),NA-Ti(180),CA-Ti(180),CD-Ti(180)
L2156337-19B	Glass 60mL/2oz unpreserved	A	NA		5.3	Y	Absent		TS(7),NYTCL-8081(14)
L2156337-20A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		5.3	Y	Absent		HOLD-METAL(180)
L2156337-20B	Glass 60mL/2oz unpreserved	A	NA		5.3	Y	Absent		TS(7),NYTCL-8081(14)
L2156337-21A	Vial MeOH preserved	A	NA		5.3	Y	Absent		NYTCL-8260HLW(14)
L2156337-21B	Vial water preserved	A	NA		5.3	Y	Absent	15-OCT-21 08:56	NYTCL-8260HLW(14)
L2156337-21C	Vial water preserved	A	NA		5.3	Y	Absent	15-OCT-21 08:56	NYTCL-8260HLW(14)
L2156337-21D	Metals Only-Glass 60mL/2oz unpreserved	A	NA		5.3	Y	Absent		BE-Ti(180),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),ZN-Ti(180),SB-Ti(180),PB-Ti(180),CU-Ti(180),SE-Ti(180),V-Ti(180),CO-Ti(180),FE-Ti(180),MG-Ti(180),MN-Ti(180),HG-T(28),CD-Ti(180),NA-Ti(180),CA-Ti(180),K-Ti(180)
L2156337-21E	Glass 60mL/2oz unpreserved	A	NA		5.3	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365)
L2156337-21F	Glass 60mL/2oz unpreserved	A	NA		5.3	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365)
L2156337-21G	Glass 120ml/4oz unpreserved	A	NA		5.3	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365)
L2156337-21H	Plastic 2oz unpreserved for TS	A	NA		5.3	Y	Absent		TS(7)
L2156337-21J	Glass 500ml/16oz unpreserved	A	NA		5.3	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365)
L2156337-22A	Vial MeOH preserved	A	NA		5.3	Y	Absent		HOLD-8260HLW(14)

Project Name: HKV2101
Project Number: Not Specified

Serial_No:10292117:36
Lab Number: L2156337
Report Date: 10/29/21

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2156337-22B	Vial water preserved	A	NA		5.3	Y	Absent	15-OCT-21 08:56	HOLD-8260HLW(14)
L2156337-22C	Vial water preserved	A	NA		5.3	Y	Absent	15-OCT-21 08:56	HOLD-8260HLW(14)
L2156337-22D	Metals Only-Glass 60mL/2oz unpreserved	A	NA		5.3	Y	Absent		HOLD-METAL(180)
L2156337-22E	Glass 60mL/2oz unpreserved	A	NA		5.3	Y	Absent		HOLD-8151(14),HOLD-8270(14),HOLD-8082(14)
L2156337-22F	Glass 60mL/2oz unpreserved	A	NA		5.3	Y	Absent		HOLD-8151(14),TS(7),NYTCL-8081(14),HOLD-8270(14),HOLD-8082(14)
L2156337-22G	Glass 120ml/4oz unpreserved	A	NA		5.3	Y	Absent		HOLD-8151(14),HOLD-8270(14),HOLD-8082(14)
L2156337-22H	Plastic 2oz unpreserved for TS	A	NA		5.3	Y	Absent		-
L2156337-22J	Glass 500ml/16oz unpreserved	A	NA		5.3	Y	Absent		HOLD-8151(14),HOLD-8270(14),HOLD-8082(14)
L2156337-23A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		5.3	Y	Absent		BE-Ti(180),BA-Ti(180),AS-Ti(180),AG-Ti(180),CR-Ti(180),AL-Ti(180),NI-Ti(180),TL-Ti(180),SE-Ti(180),ZN-Ti(180),CU-Ti(180),SB-Ti(180),PB-Ti(180),CO-Ti(180),V-Ti(180),FE-Ti(180),MN-Ti(180),HG-T(28),MG-Ti(180),CA-Ti(180),CD-Ti(180),NA-Ti(180),K-Ti(180)
L2156337-23B	Glass 60mL/2oz unpreserved	A	NA		5.3	Y	Absent		TS(7),NYTCL-8081(14)
L2156337-24A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		5.3	Y	Absent		HOLD-METAL(180)
L2156337-24B	Glass 60mL/2oz unpreserved	A	NA		5.3	Y	Absent		TS(7),NYTCL-8081(14)

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
	Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers



Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers



Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

Data Qualifiers

- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- V** - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)
- Z** - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Report Format: DU Report with 'J' Qualifiers



Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156337
Report Date: 10/29/21

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Alpha Analytical, Inc.Facility: **Company-wide**Department: **Quality Assurance**Title: **Certificate/Approval Program Summary**ID No.: **17873**

Revision 19

Published Date: 4/2/2021 1:14:23 PM

Page 1 of 1

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility**EPA 624/624.1:** m/p-xylene, o-xylene, Naphthalene**EPA 625/625.1:** alpha-Terpineol**EPA 8260C/8260D:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270D/8270E:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.**Mansfield Facility****SM 2540D:** TSS**EPA 8082A:** NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:**Drinking Water****EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,****EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B****EPA 332:** Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.****Non-Potable Water****SM4500H-B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:**Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,****SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.**EPA 624.1:** Volatile Halocarbons & Aromatics,**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II,

Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.****Mansfield Facility:****Drinking Water****EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1 Hg.****EPA 522, EPA 537.1.****Non-Potable Water****EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.**EPA 245.1 Hg.****SM2340B**

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

 NEW YORK CHAIN OF CUSTODY		Service Centers Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105		Page 1 of 3		Date Rec'd in Lab 10/15/21		ALPHA Job # L2156337					
Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193		Mansfield, MA 02048 320 Forbes Blvd TEL: 508-822-9300 FAX: 508-822-3288		Project Information Project Name: HKV 2101 Project Location: Project # (Use Project name as Project #) ☐				Deliverables ☐ ASP-A ☐ ASP-B ☐ EQuIS (1 File) ☐ EQuIS (4 File) ☐ Other		Billing Information ☒ Same as Client Info PO #			
Client Information Client: Pw6C Address: 630 Johnson Ave Batavia NY 1716 Phone: 631 584 6353 Fax: Email: Thomas.Medley@pw6c.com		Project Manager: Thomas Melia ALPHAQuote #: Turn-Around Time Standard ☒ Due Date: Rush (only if pre approved) ☐ # of Days:		Regulatory Requirement ☐ NY TOGS ☐ NY Part 375 ☐ AWQ Standards ☐ NY CP-51 ☐ NY Restricted Use ☐ Other ☒ NY Unrestricted Use ☐ NYC Sewer Discharge				Disposal Site Information Please identify below location of applicable disposal facilities. Disposal Facility: ☐ NJ ☐ NY ☐ Other:					
These samples have been previously analyzed by Alpha ☐ Other project specific requirements/comments: hold Deeper samples; To be run based upon shallow results				ANALYSIS Pesticides TAL metals Volatiles SVOCs PCB's				Sample Filtration ☐ Done ☐ Lab to do Preservation ☐ Lab to do (Please Specify below)		Total Bottles			
Please specify Metals or TAL.				Sample Specific Comments									
ALPHA Lab ID (Lab Use Only)		Sample ID		Collection Date Time		Sample Matrix		Sampler's Initials					
S26337 -01 -02 -03 -04 -05 -06 -07 -08 -09 -10		Grid E-0-2 Grid E-18-24 Grid F-0-2 Grid F-18-24 Grid G-0-2 Grid G-18-24 Grid H-0-2 Grid H-18-24 Grid I-0-2 Grid I-18-24		10/14/21 08:03 08:03 09:07 09:07 11:45 11:45 10:59 10:59 13:18 13:18		S S S S S S S S S		JL JL JL JL JL JL JL JL JL		X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X		hold hold hold hold hold hold	
Preservative Code: A = None B = HCl C = HNO ₃ D = H ₂ SO ₄ E = NaOH F = MeOH G = NaHSO ₄ H = Na ₂ S ₂ O ₃ K/E = Zn Ac/NaOH O = Other		Container Code P = Plastic A = Amber Glass V = Vial G = Glass B = Bacteria Cup C = Cube O = Other E = Encore D = BOD Bottle		Westboro: Certification No: MA935 Mansfield: Certification No: MA015		Container Type Preservative				Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)			
Form No: 01-25 HC (rev. 30-Sept-2013)		Relinquished By: Pw6C Date/Time: 10-14-21 11:00		Received By: [Signature] Date/Time: 10/14/21 16:05		Relinquished By: [Signature] Date/Time: 10/14/21 21:30		Received By: [Signature] Date/Time: 10/15/21 08:45					

 NEW YORK CHAIN OF CUSTODY		Service Centers Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105		Page 2 of 3		Date Rec'd in Lab 10/15/21		ALPHA Job # L2156337	
Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193		Mansfield, MA 02048 320 Forbes Blvd TEL: 508-822-9300 FAX: 508-822-3288		Project Information Project Name: HLCV 2101 Project Location:		Deliverables ☐ ASP-A ☐ ASP-B ☐ EQuIS (1 File) ☐ EQuIS (4 File) ☐ Other		Billing Information ☒ Same as Client Info PO #	
Client Information Client: PhoGC Address: 630 Johnson Ave Bohemia, NY 11716 Phone: Fax: Email: thomas.mclaughlin@phogc.com		Project # (Use Project name as Project #) ☐ Project Manager: Thomas Melia ALPHAQuote #: Turn-Around Time Standard ☒ Due Date: Rush (only if pre approved) ☐ # of Days:		Regulatory Requirement ☐ NY TOGS ☐ NY Part 375 ☐ AWQ Standards ☐ NY CP-51 ☐ NY Restricted Use ☐ Other ☒ NY Unrestricted Use ☐ NYC Sewer Discharge		Disposal Site Information Please identify below location of applicable disposal facilities. Disposal Facility: ☐ NJ ☐ NY ☐ Other:			
These samples have been previously analyzed by Alpha ☐ Other project specific requirements/comments: Hold deeper samples, run based on shallow results.				ANALYSIS		Sample Filtration ☐ Done ☐ Lab to do Preservation ☐ Lab to do (Please Specify below)		Total Bottles	
Please specify Metals or TAL.				Pesticides TAL metals VOC SVOC Herbicides PCB's		Sample Specific Comments			
ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials				
56337 -11	Grid J-0-2	10/14/21	1350	S	WM	X	X		
-12	Grid J-18-24		1350						HOLD
-13	Grid K-0-2		1510						
-14	Grid K-18-24		1510						HOLD
-15	Grid U-0-2		839						
-16	Grid U-18-24		839						HOLD
-17	Grid V-0-2		1020						
-18	Grid V-18-24		1020						HOLD
-19	Grid W-0-2		1211						
-20	Grid W-18-24		1211						HOLD
Preservative Code: A = None B = HCl C = HNO ₃ D = H ₂ SO ₄ E = NaOH F = MeOH G = NaHSO ₄ H = Na ₂ S ₂ O ₃ K/E = Zn Ac/NaOH O = Other		Container Code: P = Plastic A = Amber Glass V = Vial G = Glass B = Bacteria Cup C = Cube O = Other E = Encore D = BOD Bottle		Westboro: Certification No: MA935 Mansfield: Certification No: MA015		Container Type Preservative		Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)	
Relinquished By: Wm. Hamer		Date/Time: 10-14-21/1600		Received By: MA 10/14/21 1600		Date/Time: 10/14/21 1600			
Relinquished By: MA 10/14/21 0245		Date/Time: 10/14/21 0245		Received By: MA 10/14/21 0245		Date/Time: 10/14/21 0245			



ANALYTICAL REPORT

Lab Number:	L2156730
Client:	P. W. Grosser 630 Johnson Avenue Suite 7 Bohemia, NY 11716
ATTN:	Thomas Melia
Phone:	(631) 589-6353
Project Name:	HKV2101
Project Number:	Not Specified
Report Date:	10/29/21

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com



Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2156730-01	GRID AA_0-2	SOIL	Not Specified	10/15/21 14:45	10/15/21
L2156730-02	GRID AA_18-24	SOIL	Not Specified	10/15/21 14:45	10/15/21
L2156730-03	GRID AB_0-2	SOIL	Not Specified	10/15/21 12:06	10/15/21
L2156730-04	GRID AB_18-24	SOIL	Not Specified	10/15/21 12:06	10/15/21
L2156730-05	GRID AC_0-2	SOIL	Not Specified	10/15/21 11:24	10/15/21
L2156730-06	GRID AC_18-24	SOIL	Not Specified	10/15/21 11:24	10/15/21
L2156730-07	GRID AD_0-2	SOIL	Not Specified	10/15/21 09:05	10/15/21
L2156730-08	GRID AD_18-24	SOIL	Not Specified	10/15/21 09:05	10/15/21
L2156730-09	GRID L_0-2	SOIL	Not Specified	10/15/21 14:01	10/15/21
L2156730-10	GRID L_18-24	SOIL	Not Specified	10/15/21 14:01	10/15/21
L2156730-11	GRID M_0-2	SOIL	Not Specified	10/15/21 13:30	10/15/21
L2156730-12	GRID M_18-24	SOIL	Not Specified	10/15/21 13:30	10/15/21
L2156730-13	GRID N_0-2	SOIL	Not Specified	10/15/21 10:20	10/15/21
L2156730-14	GRID N_18-24	SOIL	Not Specified	10/15/21 10:20	10/15/21
L2156730-15	GRID O_0-2	SOIL	Not Specified	10/15/21 09:50	10/15/21
L2156730-16	GRID O_18-24	SOIL	Not Specified	10/15/21 09:50	10/15/21
L2156730-17	GRID Z_0-2	SOIL	Not Specified	10/15/21 15:27	10/15/21
L2156730-18	GRID Z_18-24	SOIL	Not Specified	10/15/21 15:27	10/15/21

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

Case Narrative (continued)

Report Submission

October 29, 2021: This final report includes the results of the Pesticides analysis performed on L2156730-02, -04, -06, -08, -10, -12, -14, -16, and -18; the TAL Metals analysis performed on L2156730-06, -08, -10, -12, -14, and -16; and the Semivolatile Organics analysis performed on L2156730-09.

October 22, 2021: This is a preliminary report.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Sample Receipt

L2156730-09: Sample containers for Volatile Organics, Semivolatile Organics, PCBs, Herbicides were received, but were not listed on the chain of custody. At the client's request, these analyses were performed.

Semivolatile Organics

The WG1559564-2/-3 LCS/LCSD recoveries, associated with L2156730-07, are below the acceptance criteria for benzoic acid (0%/0%); however, it has been identified as a "difficult" analyte. The results of the associated sample are reported.

The WG1561189-3 LCSD recovery, associated with L2156730-09, is below the acceptance criteria for benzoic acid (4%); however, it has been identified as a "difficult" analyte. The results of the associated sample are reported.

Total Metals

L2156730-01, -03, and -05 through -17: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

The WG1560034-1 Method Blank, associated with L2156730-01, -03, -05, -07, -09, -11, -13, -15, and -17, has a concentration above the reporting limit for iron. Since the associated sample concentrations are either greater than 10x the blank concentration or non-detect to the RL for this target analyte, no corrective action is

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

Case Narrative (continued)

required. Any results detected below the reporting limit are qualified with a "B".

The WG1563264-1 Method Blank, associated with L2156730-06, -08, -10, -12, -14, and -16, has a concentration above the reporting limit for iron. Since the associated sample concentrations are either greater than 10x the blank concentration or non-detect to the RL for this target analyte, no corrective action is required. Any results detected below the reporting limit are qualified with a "B".

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:

 Kelly Stenstrom

Title: Technical Director/Representative

Date: 10/29/21

ORGANICS

VOLATILES

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156730-07
Client ID: GRID AD_0-2
Sample Location: Not Specified

Date Collected: 10/15/21 09:05
Date Received: 10/15/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/21/21 11:59
Analyst: MKS
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.4	2.5	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.16	1
Chloroform	0.18	J	ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.1	0.25	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.14	1
Dibromochloromethane	ND		ug/kg	1.1	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.29	1
Tetrachloroethene	ND		ug/kg	0.54	0.21	1
Chlorobenzene	ND		ug/kg	0.54	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.4	0.76	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.28	1
1,1,1-Trichloroethane	ND		ug/kg	0.54	0.18	1
Bromodichloromethane	ND		ug/kg	0.54	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.30	1
cis-1,3-Dichloropropene	ND		ug/kg	0.54	0.17	1
1,3-Dichloropropene, Total	ND		ug/kg	0.54	0.17	1
1,1-Dichloropropene	ND		ug/kg	0.54	0.17	1
Bromoform	ND		ug/kg	4.4	0.27	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.54	0.18	1
Benzene	ND		ug/kg	0.54	0.18	1
Toluene	ND		ug/kg	1.1	0.59	1
Ethylbenzene	ND		ug/kg	1.1	0.15	1
Chloromethane	ND		ug/kg	4.4	1.0	1
Bromomethane	ND		ug/kg	2.2	0.63	1
Vinyl chloride	ND		ug/kg	1.1	0.36	1
Chloroethane	ND		ug/kg	2.2	0.49	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.26	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.15	1

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156730-07
Client ID: GRID AD_0-2
Sample Location: Not Specified

Date Collected: 10/15/21 09:05
Date Received: 10/15/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.54	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,3-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.2	0.19	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.22	1
p/m-Xylene	ND		ug/kg	2.2	0.61	1
o-Xylene	ND		ug/kg	1.1	0.32	1
Xylenes, Total	ND		ug/kg	1.1	0.32	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.19	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.15	1
Dibromomethane	ND		ug/kg	2.2	0.26	1
Styrene	ND		ug/kg	1.1	0.21	1
Dichlorodifluoromethane	ND		ug/kg	11	1.0	1
Acetone	ND		ug/kg	11	5.2	1
Carbon disulfide	ND		ug/kg	11	5.0	1
2-Butanone	ND		ug/kg	11	2.4	1
Vinyl acetate	ND		ug/kg	11	2.3	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
1,2,3-Trichloropropane	ND		ug/kg	2.2	0.14	1
2-Hexanone	ND		ug/kg	11	1.3	1
Bromochloromethane	ND		ug/kg	2.2	0.22	1
2,2-Dichloropropane	ND		ug/kg	2.2	0.22	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.30	1
1,3-Dichloropropane	ND		ug/kg	2.2	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.54	0.14	1
Bromobenzene	ND		ug/kg	2.2	0.16	1
n-Butylbenzene	ND		ug/kg	1.1	0.18	1
sec-Butylbenzene	ND		ug/kg	1.1	0.16	1
tert-Butylbenzene	ND		ug/kg	2.2	0.13	1
o-Chlorotoluene	ND		ug/kg	2.2	0.21	1
p-Chlorotoluene	ND		ug/kg	2.2	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.3	1.1	1
Hexachlorobutadiene	ND		ug/kg	4.4	0.18	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	ND		ug/kg	4.4	0.71	1
Acrylonitrile	ND		ug/kg	4.4	1.2	1

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156730-07
Client ID: GRID AD_0-2
Sample Location: Not Specified

Date Collected: 10/15/21 09:05
Date Received: 10/15/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.1	0.19	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.2	0.35	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.2	0.30	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.2	0.21	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.2	0.36	1
1,4-Dioxane	ND		ug/kg	87	38.	1
p-Diethylbenzene	ND		ug/kg	2.2	0.19	1
p-Ethyltoluene	ND		ug/kg	2.2	0.42	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.2	0.21	1
Ethyl ether	ND		ug/kg	2.2	0.37	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.4	1.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	111		70-130
Dibromofluoromethane	98		70-130

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156730-09
Client ID: GRID L_0-2
Sample Location: Not Specified

Date Collected: 10/15/21 14:01
Date Received: 10/15/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/21/21 12:37
Analyst: MKS
Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	6.8	3.1	1
1,1-Dichloroethane	ND		ug/kg	1.4	0.20	1
Chloroform	ND		ug/kg	2.0	0.19	1
Carbon tetrachloride	ND		ug/kg	1.4	0.31	1
1,2-Dichloropropane	ND		ug/kg	1.4	0.17	1
Dibromochloromethane	ND		ug/kg	1.4	0.19	1
1,1,2-Trichloroethane	ND		ug/kg	1.4	0.36	1
Tetrachloroethene	ND		ug/kg	0.68	0.27	1
Chlorobenzene	ND		ug/kg	0.68	0.17	1
Trichlorofluoromethane	ND		ug/kg	5.4	0.95	1
1,2-Dichloroethane	ND		ug/kg	1.4	0.35	1
1,1,1-Trichloroethane	ND		ug/kg	0.68	0.23	1
Bromodichloromethane	ND		ug/kg	0.68	0.15	1
trans-1,3-Dichloropropene	ND		ug/kg	1.4	0.37	1
cis-1,3-Dichloropropene	ND		ug/kg	0.68	0.22	1
1,3-Dichloropropene, Total	ND		ug/kg	0.68	0.22	1
1,1-Dichloropropene	ND		ug/kg	0.68	0.22	1
Bromoform	ND		ug/kg	5.4	0.34	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.68	0.23	1
Benzene	ND		ug/kg	0.68	0.23	1
Toluene	ND		ug/kg	1.4	0.74	1
Ethylbenzene	ND		ug/kg	1.4	0.19	1
Chloromethane	ND		ug/kg	5.4	1.3	1
Bromomethane	ND		ug/kg	2.7	0.79	1
Vinyl chloride	ND		ug/kg	1.4	0.46	1
Chloroethane	ND		ug/kg	2.7	0.62	1
1,1-Dichloroethene	ND		ug/kg	1.4	0.32	1
trans-1,2-Dichloroethene	ND		ug/kg	2.0	0.19	1

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156730-09
Client ID: GRID L_0-2
Sample Location: Not Specified

Date Collected: 10/15/21 14:01
Date Received: 10/15/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.68	0.19	1
1,2-Dichlorobenzene	ND		ug/kg	2.7	0.20	1
1,3-Dichlorobenzene	ND		ug/kg	2.7	0.20	1
1,4-Dichlorobenzene	ND		ug/kg	2.7	0.23	1
Methyl tert butyl ether	ND		ug/kg	2.7	0.27	1
p/m-Xylene	ND		ug/kg	2.7	0.76	1
o-Xylene	ND		ug/kg	1.4	0.40	1
Xylenes, Total	ND		ug/kg	1.4	0.40	1
cis-1,2-Dichloroethene	ND		ug/kg	1.4	0.24	1
1,2-Dichloroethene, Total	ND		ug/kg	1.4	0.19	1
Dibromomethane	ND		ug/kg	2.7	0.32	1
Styrene	ND		ug/kg	1.4	0.27	1
Dichlorodifluoromethane	ND		ug/kg	14	1.2	1
Acetone	ND		ug/kg	14	6.6	1
Carbon disulfide	ND		ug/kg	14	6.2	1
2-Butanone	ND		ug/kg	14	3.0	1
Vinyl acetate	ND		ug/kg	14	2.9	1
4-Methyl-2-pentanone	ND		ug/kg	14	1.7	1
1,2,3-Trichloropropane	ND		ug/kg	2.7	0.17	1
2-Hexanone	ND		ug/kg	14	1.6	1
Bromochloromethane	ND		ug/kg	2.7	0.28	1
2,2-Dichloropropane	ND		ug/kg	2.7	0.28	1
1,2-Dibromoethane	ND		ug/kg	1.4	0.38	1
1,3-Dichloropropane	ND		ug/kg	2.7	0.23	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.68	0.18	1
Bromobenzene	ND		ug/kg	2.7	0.20	1
n-Butylbenzene	ND		ug/kg	1.4	0.23	1
sec-Butylbenzene	ND		ug/kg	1.4	0.20	1
tert-Butylbenzene	ND		ug/kg	2.7	0.16	1
o-Chlorotoluene	ND		ug/kg	2.7	0.26	1
p-Chlorotoluene	ND		ug/kg	2.7	0.15	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.1	1.4	1
Hexachlorobutadiene	ND		ug/kg	5.4	0.23	1
Isopropylbenzene	ND		ug/kg	1.4	0.15	1
p-Isopropyltoluene	ND		ug/kg	1.4	0.15	1
Naphthalene	ND		ug/kg	5.4	0.88	1
Acrylonitrile	ND		ug/kg	5.4	1.6	1

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156730-09
Client ID: GRID L_0-2
Sample Location: Not Specified

Date Collected: 10/15/21 14:01
Date Received: 10/15/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.4	0.23	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.7	0.44	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.7	0.37	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.7	0.26	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.7	0.45	1
1,4-Dioxane	ND		ug/kg	110	48.	1
p-Diethylbenzene	ND		ug/kg	2.7	0.24	1
p-Ethyltoluene	ND		ug/kg	2.7	0.52	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.7	0.26	1
Ethyl ether	ND		ug/kg	2.7	0.46	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.8	1.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	100		70-130

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 10/21/21 08:08
 Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 07,09 Batch: WG1560925-15					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	0.17	J	ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 10/21/21 08:08
 Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 07,09 Batch: WG1560925-15					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/21/21 08:08
Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 07,09 Batch: WG1560925-15					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
1,4-Dioxane	ND		ug/kg	80	35.
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	94		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 07,09 Batch: WG1560925-13 WG1560925-14								
Methylene chloride	89		87		70-130	2		30
1,1-Dichloroethane	104		102		70-130	2		30
Chloroform	102		101		70-130	1		30
Carbon tetrachloride	103		102		70-130	1		30
1,2-Dichloropropane	103		102		70-130	1		30
Dibromochloromethane	104		105		70-130	1		30
1,1,2-Trichloroethane	102		102		70-130	0		30
Tetrachloroethene	104		103		70-130	1		30
Chlorobenzene	104		103		70-130	1		30
Trichlorofluoromethane	105		102		70-139	3		30
1,2-Dichloroethane	103		102		70-130	1		30
1,1,1-Trichloroethane	108		104		70-130	4		30
Bromodichloromethane	106		105		70-130	1		30
trans-1,3-Dichloropropene	106		106		70-130	0		30
cis-1,3-Dichloropropene	109		108		70-130	1		30
1,1-Dichloropropene	107		105		70-130	2		30
Bromoform	98		100		70-130	2		30
1,1,2,2-Tetrachloroethane	104		104		70-130	0		30
Benzene	106		105		70-130	1		30
Toluene	103		101		70-130	2		30
Ethylbenzene	107		106		70-130	1		30
Chloromethane	100		97		52-130	3		30
Bromomethane	98		96		57-147	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 07,09 Batch: WG1560925-13 WG1560925-14								
Vinyl chloride	106		102		67-130	4		30
Chloroethane	103		101		50-151	2		30
1,1-Dichloroethene	104		101		65-135	3		30
trans-1,2-Dichloroethene	104		100		70-130	4		30
Trichloroethene	104		101		70-130	3		30
1,2-Dichlorobenzene	101		101		70-130	0		30
1,3-Dichlorobenzene	104		103		70-130	1		30
1,4-Dichlorobenzene	103		103		70-130	0		30
Methyl tert butyl ether	100		100		66-130	0		30
p/m-Xylene	106		105		70-130	1		30
o-Xylene	107		106		70-130	1		30
cis-1,2-Dichloroethene	100		97		70-130	3		30
Dibromomethane	102		101		70-130	1		30
Styrene	111		110		70-130	1		30
Dichlorodifluoromethane	104		97		30-146	7		30
Acetone	84		81		54-140	4		30
Carbon disulfide	89		88		59-130	1		30
2-Butanone	89		86		70-130	3		30
Vinyl acetate	124		128		70-130	3		30
4-Methyl-2-pentanone	103		102		70-130	1		30
1,2,3-Trichloropropane	100		100		68-130	0		30
2-Hexanone	102		101		70-130	1		30
Bromochloromethane	101		100		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 07,09 Batch: WG1560925-13 WG1560925-14								
2,2-Dichloropropane	107		105		70-130	2		30
1,2-Dibromoethane	102		101		70-130	1		30
1,3-Dichloropropane	102		102		69-130	0		30
1,1,1,2-Tetrachloroethane	104		105		70-130	1		30
Bromobenzene	100		100		70-130	0		30
n-Butylbenzene	109		109		70-130	0		30
sec-Butylbenzene	106		106		70-130	0		30
tert-Butylbenzene	104		104		70-130	0		30
o-Chlorotoluene	104		104		70-130	0		30
p-Chlorotoluene	105		105		70-130	0		30
1,2-Dibromo-3-chloropropane	97		97		68-130	0		30
Hexachlorobutadiene	107		107		67-130	0		30
Isopropylbenzene	106		105		70-130	1		30
p-Isopropyltoluene	107		106		70-130	1		30
Naphthalene	104		104		70-130	0		30
Acrylonitrile	103		103		70-130	0		30
n-Propylbenzene	108		108		70-130	0		30
1,2,3-Trichlorobenzene	106		106		70-130	0		30
1,2,4-Trichlorobenzene	112		111		70-130	1		30
1,3,5-Trimethylbenzene	106		105		70-130	1		30
1,2,4-Trimethylbenzene	104		104		70-130	0		30
1,4-Dioxane	77		77		65-136	0		30
p-Diethylbenzene	108		107		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 07,09 Batch: WG1560925-13 WG1560925-14								
p-Ethyltoluene	106		106		70-130	0		30
1,2,4,5-Tetramethylbenzene	114		115		70-130	1		30
Ethyl ether	103		100		67-130	3		30
trans-1,4-Dichloro-2-butene	107		106		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	102		102		70-130
Toluene-d8	99		99		70-130
4-Bromofluorobenzene	99		100		70-130
Dibromofluoromethane	99		98		70-130

SEMIVOLATILES

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156730-07
Client ID: GRID AD_0-2
Sample Location: Not Specified

Date Collected: 10/15/21 09:05
Date Received: 10/15/21
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 10/18/21 05:12
Analyst: LJB
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 10/16/21 21:41

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	20.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	32.	1
1,3-Dichlorobenzene	ND		ug/kg	180	31.	1
1,4-Dichlorobenzene	ND		ug/kg	180	31.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	47.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	470		ug/kg	110	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	27.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	30.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	510	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	26.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	62.	1
Butyl benzyl phthalate	ND		ug/kg	180	45.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	61.	1

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156730-07
Client ID: GRID AD_0-2
Sample Location: Not Specified

Date Collected: 10/15/21 09:05
Date Received: 10/15/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	16.	1
Dimethyl phthalate	200		ug/kg	180	37.	1
Benzo(a)anthracene	290		ug/kg	110	20.	1
Benzo(a)pyrene	200		ug/kg	140	44.	1
Benzo(b)fluoranthene	380		ug/kg	110	30.	1
Benzo(k)fluoranthene	100	J	ug/kg	110	28.	1
Chrysene	270		ug/kg	110	18.	1
Acenaphthylene	ND		ug/kg	140	28.	1
Anthracene	62	J	ug/kg	110	35.	1
Benzo(ghi)perylene	160		ug/kg	140	21.	1
Fluorene	20	J	ug/kg	180	17.	1
Phenanthrene	220		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	38	J	ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	170		ug/kg	140	25.	1
Pyrene	430		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	410	41.	1
4-Chloroaniline	ND		ug/kg	180	32.	1
2-Nitroaniline	ND		ug/kg	180	34.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	74.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	210	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	26.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	59.	1
2-Nitrophenol	ND		ug/kg	380	67.	1
4-Nitrophenol	ND		ug/kg	250	73.	1
2,4-Dinitrophenol	ND		ug/kg	860	83.	1
4,6-Dinitro-o-cresol	ND		ug/kg	460	86.	1
Pentachlorophenol	ND		ug/kg	140	39.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	28.	1

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156730-07
Client ID: GRID AD_0-2
Sample Location: Not Specified

Date Collected: 10/15/21 09:05
Date Received: 10/15/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	34.	1
Benzoic Acid	ND		ug/kg	580	180	1
Benzyl Alcohol	ND		ug/kg	180	54.	1
Carbazole	21	J	ug/kg	180	17.	1
1,4-Dioxane	ND		ug/kg	27	8.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	79		25-120
Phenol-d6	76		10-120
Nitrobenzene-d5	76		23-120
2-Fluorobiphenyl	75		30-120
2,4,6-Tribromophenol	86		10-136
4-Terphenyl-d14	70		18-120

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156730-09
Client ID: GRID L_0-2
Sample Location: Not Specified

Date Collected: 10/15/21 14:01
Date Received: 10/15/21
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 10/20/21 15:22
Analyst: JG
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 10/19/21 17:38

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	20.	1
Hexachlorobenzene	ND		ug/kg	100	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	17.	1
1,2-Dichlorobenzene	ND		ug/kg	180	32.	1
1,3-Dichlorobenzene	ND		ug/kg	180	30.	1
1,4-Dichlorobenzene	ND		ug/kg	180	31.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	47.	1
2,4-Dinitrotoluene	ND		ug/kg	180	35.	1
2,6-Dinitrotoluene	ND		ug/kg	180	30.	1
Fluoranthene	ND		ug/kg	100	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	27.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	30.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	500	160	1
Hexachloroethane	ND		ug/kg	140	28.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	ND		ug/kg	180	21.	1
Nitrobenzene	ND		ug/kg	160	26.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	27.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	61.	1
Butyl benzyl phthalate	ND		ug/kg	180	44.	1
Di-n-butylphthalate	ND		ug/kg	180	33.	1
Di-n-octylphthalate	ND		ug/kg	180	60.	1

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156730-09
Client ID: GRID L_0-2
Sample Location: Not Specified

Date Collected: 10/15/21 14:01
Date Received: 10/15/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	16.	1
Dimethyl phthalate	ND		ug/kg	180	37.	1
Benzo(a)anthracene	ND		ug/kg	100	20.	1
Benzo(a)pyrene	ND		ug/kg	140	43.	1
Benzo(b)fluoranthene	ND		ug/kg	100	30.	1
Benzo(k)fluoranthene	ND		ug/kg	100	28.	1
Chrysene	ND		ug/kg	100	18.	1
Acenaphthylene	ND		ug/kg	140	27.	1
Anthracene	ND		ug/kg	100	34.	1
Benzo(ghi)perylene	ND		ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	17.	1
Phenanthrene	ND		ug/kg	100	21.	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	20.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	24.	1
Pyrene	ND		ug/kg	100	18.	1
Biphenyl	ND		ug/kg	400	41.	1
4-Chloroaniline	ND		ug/kg	180	32.	1
2-Nitroaniline	ND		ug/kg	180	34.	1
3-Nitroaniline	ND		ug/kg	180	33.	1
4-Nitroaniline	ND		ug/kg	180	73.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	210	21.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	18.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	33.	1
p-Chloro-m-cresol	ND		ug/kg	180	26.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	28.	1
2,4-Dimethylphenol	ND		ug/kg	180	58.	1
2-Nitrophenol	ND		ug/kg	380	66.	1
4-Nitrophenol	ND		ug/kg	250	72.	1
2,4-Dinitrophenol	ND		ug/kg	840	82.	1
4,6-Dinitro-o-cresol	ND		ug/kg	460	84.	1
Pentachlorophenol	ND		ug/kg	140	39.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	27.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	250	28.	1

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156730-09
Client ID: GRID L_0-2
Sample Location: Not Specified

Date Collected: 10/15/21 14:01
Date Received: 10/15/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	34.	1
Benzoic Acid	ND		ug/kg	570	180	1
Benzyl Alcohol	ND		ug/kg	180	54.	1
Carbazole	ND		ug/kg	180	17.	1
1,4-Dioxane	ND		ug/kg	26	8.1	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	73		25-120
Phenol-d6	72		10-120
Nitrobenzene-d5	77		23-120
2-Fluorobiphenyl	55		30-120
2,4,6-Tribromophenol	79		10-136
4-Terphenyl-d14	56		18-120

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 10/17/21 21:49
Analyst: JRW

Extraction Method: EPA 3546
Extraction Date: 10/16/21 17:59

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 07 Batch: WG1559564-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	18.
Hexachlorobenzene	ND		ug/kg	97	18.
Bis(2-chloroethyl)ether	ND		ug/kg	140	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	29.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	28.
3,3'-Dichlorobenzidine	ND		ug/kg	160	43.
2,4-Dinitrotoluene	ND		ug/kg	160	32.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	97	18.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	17.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	190	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	170	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	460	150
Hexachloroethane	ND		ug/kg	130	26.
Isophorone	ND		ug/kg	140	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	140	24.
NDPA/DPA	ND		ug/kg	130	18.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	56.
Butyl benzyl phthalate	ND		ug/kg	160	41.
Di-n-butylphthalate	ND		ug/kg	160	30.
Di-n-octylphthalate	ND		ug/kg	160	55.
Diethyl phthalate	ND		ug/kg	160	15.

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 10/17/21 21:49
Analyst: JRW

Extraction Method: EPA 3546
Extraction Date: 10/16/21 17:59

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 07 Batch: WG1559564-1					
Dimethyl phthalate	ND		ug/kg	160	34.
Benzo(a)anthracene	ND		ug/kg	97	18.
Benzo(a)pyrene	ND		ug/kg	130	39.
Benzo(b)fluoranthene	ND		ug/kg	97	27.
Benzo(k)fluoranthene	ND		ug/kg	97	26.
Chrysene	ND		ug/kg	97	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	97	31.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	97	20.
Dibenzo(a,h)anthracene	ND		ug/kg	97	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	22.
Pyrene	ND		ug/kg	97	16.
Biphenyl	ND		ug/kg	370	37.
4-Chloroaniline	ND		ug/kg	160	29.
2-Nitroaniline	ND		ug/kg	160	31.
3-Nitroaniline	ND		ug/kg	160	30.
4-Nitroaniline	ND		ug/kg	160	67.
Dibenzofuran	ND		ug/kg	160	15.
2-Methylnaphthalene	ND		ug/kg	190	19.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	97	30.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	19.
2,4-Dichlorophenol	ND		ug/kg	140	26.
2,4-Dimethylphenol	ND		ug/kg	160	53.
2-Nitrophenol	ND		ug/kg	350	61.

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 10/17/21 21:49
Analyst: JRW

Extraction Method: EPA 3546
Extraction Date: 10/16/21 17:59

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 07 Batch: WG1559564-1					
4-Nitrophenol	ND		ug/kg	220	66.
2,4-Dinitrophenol	ND		ug/kg	770	75.
4,6-Dinitro-o-cresol	ND		ug/kg	420	77.
Pentachlorophenol	ND		ug/kg	130	35.
Phenol	ND		ug/kg	160	24.
2-Methylphenol	ND		ug/kg	160	25.
3-Methylphenol/4-Methylphenol	ND		ug/kg	230	25.
2,4,5-Trichlorophenol	ND		ug/kg	160	31.
Benzoic Acid	ND		ug/kg	520	160
Benzyl Alcohol	ND		ug/kg	160	49.
Carbazole	ND		ug/kg	160	16.
1,4-Dioxane	ND		ug/kg	24	7.4

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	66		25-120
Phenol-d6	62		10-120
Nitrobenzene-d5	64		23-120
2-Fluorobiphenyl	63		30-120
2,4,6-Tribromophenol	60		10-136
4-Terphenyl-d14	57		18-120

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 10/20/21 12:58
Analyst: IM

Extraction Method: EPA 3546
Extraction Date: 10/19/21 17:38

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 09 Batch: WG1561189-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	19.
Hexachlorobenzene	ND		ug/kg	98	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	29.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	28.
3,3'-Dichlorobenzidine	ND		ug/kg	160	43.
2,4-Dinitrotoluene	ND		ug/kg	160	32.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	98	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	17.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	26.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	18.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	56.
Butyl benzyl phthalate	ND		ug/kg	160	41.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	55.
Diethyl phthalate	ND		ug/kg	160	15.

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 10/20/21 12:58
Analyst: IM

Extraction Method: EPA 3546
Extraction Date: 10/19/21 17:38

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 09 Batch: WG1561189-1					
Dimethyl phthalate	ND		ug/kg	160	34.
Benzo(a)anthracene	ND		ug/kg	98	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	98	27.
Benzo(k)fluoranthene	ND		ug/kg	98	26.
Chrysene	ND		ug/kg	98	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	98	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	98	20.
Dibenzo(a,h)anthracene	ND		ug/kg	98	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	98	16.
Biphenyl	ND		ug/kg	370	38.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	31.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	67.
Dibenzofuran	ND		ug/kg	160	15.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	98	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	19.
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	350	61.

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 10/20/21 12:58
Analyst: IM

Extraction Method: EPA 3546
Extraction Date: 10/19/21 17:38

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 09 Batch: WG1561189-1					
4-Nitrophenol	ND		ug/kg	230	66.
2,4-Dinitrophenol	ND		ug/kg	780	76.
4,6-Dinitro-o-cresol	ND		ug/kg	420	78.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	25.
3-Methylphenol/4-Methylphenol	ND		ug/kg	230	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	31.
Benzoic Acid	ND		ug/kg	530	160
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	16.
1,4-Dioxane	ND		ug/kg	24	7.5

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	91		25-120
Phenol-d6	89		10-120
Nitrobenzene-d5	88		23-120
2-Fluorobiphenyl	75		30-120
2,4,6-Tribromophenol	100		10-136
4-Terphenyl-d14	90		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 07 Batch: WG1559564-2 WG1559564-3								
Acenaphthene	46		56		31-137	20		50
1,2,4-Trichlorobenzene	43		52		38-107	19		50
Hexachlorobenzene	47		57		40-140	19		50
Bis(2-chloroethyl)ether	45		55		40-140	20		50
2-Chloronaphthalene	49		58		40-140	17		50
1,2-Dichlorobenzene	45		53		40-140	16		50
1,3-Dichlorobenzene	45		53		40-140	16		50
1,4-Dichlorobenzene	44		52		28-104	17		50
3,3'-Dichlorobenzidine	44		52		40-140	17		50
2,4-Dinitrotoluene	49		60		40-132	20		50
2,6-Dinitrotoluene	54		66		40-140	20		50
Fluoranthene	48		58		40-140	19		50
4-Chlorophenyl phenyl ether	49		58		40-140	17		50
4-Bromophenyl phenyl ether	49		60		40-140	20		50
Bis(2-chloroisopropyl)ether	67		81		40-140	19		50
Bis(2-chloroethoxy)methane	45		54		40-117	18		50
Hexachlorobutadiene	50		59		40-140	17		50
Hexachlorocyclopentadiene	34	Q	44		40-140	26		50
Hexachloroethane	48		57		40-140	17		50
Isophorone	46		56		40-140	20		50
Naphthalene	48		57		40-140	17		50
Nitrobenzene	51		60		40-140	16		50
NDPA/DPA	50		61		36-157	20		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 07 Batch: WG1559564-2 WG1559564-3								
n-Nitrosodi-n-propylamine	48		57		32-121	17		50
Bis(2-ethylhexyl)phthalate	59		72		40-140	20		50
Butyl benzyl phthalate	52		62		40-140	18		50
Di-n-butylphthalate	51		62		40-140	19		50
Di-n-octylphthalate	58		70		40-140	19		50
Diethyl phthalate	49		61		40-140	22		50
Dimethyl phthalate	47		58		40-140	21		50
Benzo(a)anthracene	50		61		40-140	20		50
Benzo(a)pyrene	48		58		40-140	19		50
Benzo(b)fluoranthene	51		63		40-140	21		50
Benzo(k)fluoranthene	51		60		40-140	16		50
Chrysene	48		58		40-140	19		50
Acenaphthylene	49		59		40-140	19		50
Anthracene	46		56		40-140	20		50
Benzo(ghi)perylene	48		60		40-140	22		50
Fluorene	51		60		40-140	16		50
Phenanthrene	46		56		40-140	20		50
Dibenzo(a,h)anthracene	45		57		40-140	24		50
Indeno(1,2,3-cd)pyrene	46		58		40-140	23		50
Pyrene	47		56		35-142	17		50
Biphenyl	48		58		37-127	19		50
4-Chloroaniline	53		44		40-140	19		50
2-Nitroaniline	56		66		47-134	16		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 07 Batch: WG1559564-2 WG1559564-3								
3-Nitroaniline	45		54		26-129	18		50
4-Nitroaniline	46		56		41-125	20		50
Dibenzofuran	50		61		40-140	20		50
2-Methylnaphthalene	48		57		40-140	17		50
1,2,4,5-Tetrachlorobenzene	49		59		40-117	19		50
Acetophenone	44		54		14-144	20		50
2,4,6-Trichlorophenol	54		63		30-130	15		50
p-Chloro-m-cresol	55		67		26-103	20		50
2-Chlorophenol	49		60		25-102	20		50
2,4-Dichlorophenol	50		62		30-130	21		50
2,4-Dimethylphenol	50		60		30-130	18		50
2-Nitrophenol	55		66		30-130	18		50
4-Nitrophenol	63		75		11-114	17		50
2,4-Dinitrophenol	44		58		4-130	27		50
4,6-Dinitro-o-cresol	55		68		10-130	21		50
Pentachlorophenol	45		56		17-109	22		50
Phenol	46		54		26-90	16		50
2-Methylphenol	52		61		30-130	16		50
3-Methylphenol/4-Methylphenol	54		66		30-130	20		50
2,4,5-Trichlorophenol	54		67		30-130	21		50
Benzoic Acid	0	Q	0	Q	10-110	NC		50
Benzyl Alcohol	50		60		40-140	18		50
Carbazole	49	Q	58		54-128	17		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 07 Batch: WG1559564-2 WG1559564-3								
1,4-Dioxane	38	Q	45		40-140	17		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	53		65		25-120
Phenol-d6	52		63		10-120
Nitrobenzene-d5	51		62		23-120
2-Fluorobiphenyl	51		61		30-120
2,4,6-Tribromophenol	51		62		10-136
4-Terphenyl-d14	46		56		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 09 Batch: WG1561189-2 WG1561189-3								
Acenaphthene	91		55		31-137	49		50
1,2,4-Trichlorobenzene	83		52		38-107	46		50
Hexachlorobenzene	91		54		40-140	51	Q	50
Bis(2-chloroethyl)ether	81		52		40-140	44		50
2-Chloronaphthalene	84		52		40-140	47		50
1,2-Dichlorobenzene	82		52		40-140	45		50
1,3-Dichlorobenzene	81		51		40-140	45		50
1,4-Dichlorobenzene	81		52		28-104	44		50
3,3'-Dichlorobenzidine	87		48		40-140	58	Q	50
2,4-Dinitrotoluene	100		59		40-132	52	Q	50
2,6-Dinitrotoluene	102		60		40-140	52	Q	50
Fluoranthene	92		55		40-140	50		50
4-Chlorophenyl phenyl ether	90		52		40-140	54	Q	50
4-Bromophenyl phenyl ether	90		54		40-140	50		50
Bis(2-chloroisopropyl)ether	64		41		40-140	44		50
Bis(2-chloroethoxy)methane	82		51		40-117	47		50
Hexachlorobutadiene	80		49		40-140	48		50
Hexachlorocyclopentadiene	77		46		40-140	50		50
Hexachloroethane	92		59		40-140	44		50
Isophorone	80		50		40-140	46		50
Naphthalene	82		50		40-140	48		50
Nitrobenzene	89		55		40-140	47		50
NDPA/DPA	91		54		36-157	51	Q	50

Lab Control Sample Analysis **Batch Quality Control**

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 09 Batch: WG1561189-2 WG1561189-3								
n-Nitrosodi-n-propylamine	81		53		32-121	42		50
Bis(2-ethylhexyl)phthalate	113		66		40-140	53	Q	50
Butyl benzyl phthalate	117		65		40-140	57	Q	50
Di-n-butylphthalate	102		60		40-140	52	Q	50
Di-n-octylphthalate	112		67		40-140	50		50
Diethyl phthalate	97		57		40-140	52	Q	50
Dimethyl phthalate	89		52		40-140	52	Q	50
Benzo(a)anthracene	94		58		40-140	47		50
Benzo(a)pyrene	88		51		40-140	53	Q	50
Benzo(b)fluoranthene	101		57		40-140	56	Q	50
Benzo(k)fluoranthene	94		55		40-140	52	Q	50
Chrysene	92		52		40-140	56	Q	50
Acenaphthylene	82		49		40-140	50		50
Anthracene	92		54		40-140	52	Q	50
Benzo(ghi)perylene	97		56		40-140	54	Q	50
Fluorene	92		54		40-140	52	Q	50
Phenanthrene	91		54		40-140	51	Q	50
Dibenzo(a,h)anthracene	92		54		40-140	52	Q	50
Indeno(1,2,3-cd)pyrene	92		53		40-140	54	Q	50
Pyrene	93		55		35-142	51	Q	50
Biphenyl	84		52		37-127	47		50
4-Chloroaniline	75		43		40-140	54	Q	50
2-Nitroaniline	110		65		47-134	51	Q	50

Lab Control Sample Analysis **Batch Quality Control**

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 09 Batch: WG1561189-2 WG1561189-3								
3-Nitroaniline	98		55		26-129	56	Q	50
4-Nitroaniline	105		60		41-125	55	Q	50
Dibenzofuran	91		54		40-140	51	Q	50
2-Methylnaphthalene	77		47		40-140	48		50
1,2,4,5-Tetrachlorobenzene	86		53		40-117	47		50
Acetophenone	83		52		14-144	46		50
2,4,6-Trichlorophenol	92		57		30-130	47		50
p-Chloro-m-cresol	92		56		26-103	49		50
2-Chlorophenol	95		61		25-102	44		50
2,4-Dichlorophenol	94		60		30-130	44		50
2,4-Dimethylphenol	89		55		30-130	47		50
2-Nitrophenol	125		80		30-130	44		50
4-Nitrophenol	108		62		11-114	54	Q	50
2,4-Dinitrophenol	95		55		4-130	53	Q	50
4,6-Dinitro-o-cresol	120		74		10-130	47		50
Pentachlorophenol	82		49		17-109	50		50
Phenol	84		54		26-90	43		50
2-Methylphenol	92		57		30-130	47		50
3-Methylphenol/4-Methylphenol	98		62		30-130	45		50
2,4,5-Trichlorophenol	101		59		30-130	53	Q	50
Benzoic Acid	10		4	Q	10-110	82	Q	50
Benzyl Alcohol	89		56		40-140	46		50
Carbazole	96		56		54-128	53	Q	50

Lab Control Sample Analysis

Batch Quality Control

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 09 Batch: WG1561189-2 WG1561189-3								
1,4-Dioxane	78		53		40-140	38		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	91		58		25-120
Phenol-d6	93		59		10-120
Nitrobenzene-d5	91		58		23-120
2-Fluorobiphenyl	79		47		30-120
2,4,6-Tribromophenol	102		58		10-136
4-Terphenyl-d14	94		53		18-120

PCBS

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156730-07
Client ID: GRID AD_0-2
Sample Location: Not Specified

Date Collected: 10/15/21 09:05
Date Received: 10/15/21
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 10/19/21 11:37
Analyst: JM
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 10/18/21 18:11
Cleanup Method: EPA 3665A
Cleanup Date: 10/18/21
Cleanup Method: EPA 3660B
Cleanup Date: 10/18/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	34.8	3.09	1	A
Aroclor 1221	ND		ug/kg	34.8	3.48	1	A
Aroclor 1232	ND		ug/kg	34.8	7.37	1	A
Aroclor 1242	ND		ug/kg	34.8	4.69	1	A
Aroclor 1248	ND		ug/kg	34.8	5.22	1	A
Aroclor 1254	ND		ug/kg	34.8	3.80	1	A
Aroclor 1260	ND		ug/kg	34.8	6.42	1	A
Aroclor 1262	ND		ug/kg	34.8	4.42	1	A
Aroclor 1268	ND		ug/kg	34.8	3.60	1	A
PCBs, Total	ND		ug/kg	34.8	3.09	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	57		30-150	A
Decachlorobiphenyl	56		30-150	A
2,4,5,6-Tetrachloro-m-xylene	59		30-150	B
Decachlorobiphenyl	56		30-150	B

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156730-09
Client ID: GRID L_0-2
Sample Location: Not Specified

Date Collected: 10/15/21 14:01
Date Received: 10/15/21
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 10/20/21 17:31
Analyst: AWS
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 10/19/21 20:27
Cleanup Method: EPA 3665A
Cleanup Date: 10/20/21
Cleanup Method: EPA 3660B
Cleanup Date: 10/20/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	34.4	3.06	1	A
Aroclor 1221	ND		ug/kg	34.4	3.45	1	A
Aroclor 1232	ND		ug/kg	34.4	7.30	1	A
Aroclor 1242	ND		ug/kg	34.4	4.64	1	A
Aroclor 1248	ND		ug/kg	34.4	5.17	1	A
Aroclor 1254	ND		ug/kg	34.4	3.77	1	A
Aroclor 1260	ND		ug/kg	34.4	6.37	1	A
Aroclor 1262	ND		ug/kg	34.4	4.37	1	A
Aroclor 1268	ND		ug/kg	34.4	3.57	1	A
PCBs, Total	ND		ug/kg	34.4	3.06	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		30-150	A
Decachlorobiphenyl	84		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	83		30-150	B

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 10/18/21 14:40
Analyst: CW

Extraction Method: EPA 3546
Extraction Date: 10/18/21 02:29
Cleanup Method: EPA 3665A
Cleanup Date: 10/18/21
Cleanup Method: EPA 3660B
Cleanup Date: 10/18/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 07 Batch: WG1559763-1						
Aroclor 1016	ND		ug/kg	31.8	2.82	A
Aroclor 1221	ND		ug/kg	31.8	3.18	A
Aroclor 1232	ND		ug/kg	31.8	6.74	A
Aroclor 1242	ND		ug/kg	31.8	4.28	A
Aroclor 1248	ND		ug/kg	31.8	4.77	A
Aroclor 1254	ND		ug/kg	31.8	3.48	A
Aroclor 1260	ND		ug/kg	31.8	5.87	A
Aroclor 1262	ND		ug/kg	31.8	4.04	A
Aroclor 1268	ND		ug/kg	31.8	3.29	A
PCBs, Total	ND		ug/kg	31.8	2.82	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		30-150	A
Decachlorobiphenyl	90		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	84		30-150	B

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 10/20/21 17:07
Analyst: AWS

Extraction Method: EPA 3546
Extraction Date: 10/19/21 20:27
Cleanup Method: EPA 3665A
Cleanup Date: 10/20/21
Cleanup Method: EPA 3660B
Cleanup Date: 10/20/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 09 Batch: WG1560670-1						
Aroclor 1016	ND		ug/kg	31.8	2.82	A
Aroclor 1221	ND		ug/kg	31.8	3.18	A
Aroclor 1232	ND		ug/kg	31.8	6.73	A
Aroclor 1242	ND		ug/kg	31.8	4.28	A
Aroclor 1248	ND		ug/kg	31.8	4.76	A
Aroclor 1254	ND		ug/kg	31.8	3.48	A
Aroclor 1260	ND		ug/kg	31.8	5.87	A
Aroclor 1262	ND		ug/kg	31.8	4.03	A
Aroclor 1268	5.06	J	ug/kg	31.8	3.29	A
PCBs, Total	5.06	J	ug/kg	31.8	2.82	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		30-150	A
Decachlorobiphenyl	99		30-150	A
2,4,5,6-Tetrachloro-m-xylene	87		30-150	B
Decachlorobiphenyl	95		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 07 Batch: WG1559763-2 WG1559763-3									
Aroclor 1016	75		78		40-140	4		50	A
Aroclor 1260	87		91		40-140	4		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		70		30-150	A
Decachlorobiphenyl	93		97		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		72		30-150	B
Decachlorobiphenyl	84		86		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 09 Batch: WG1560670-2 WG1560670-3									
Aroclor 1016	81		88		40-140	8		50	A
Aroclor 1260	83		94		40-140	12		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		81		30-150	A
Decachlorobiphenyl	85		96		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		84		30-150	B
Decachlorobiphenyl	83		90		30-150	B

PESTICIDES

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156730-01
Client ID: GRID AA_0-2
Sample Location: Not Specified

Date Collected: 10/15/21 14:45
Date Received: 10/15/21
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 10/18/21 16:40
Analyst: SDC
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 10/17/21 00:01
Cleanup Method: EPA 3620B
Cleanup Date: 10/17/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.76	0.345	1	A
Lindane	ND		ug/kg	0.734	0.328	1	A
Alpha-BHC	ND		ug/kg	0.734	0.208	1	A
Beta-BHC	ND		ug/kg	1.76	0.668	1	A
Heptachlor	ND		ug/kg	0.880	0.395	1	A
Aldrin	ND		ug/kg	1.76	0.620	1	A
Heptachlor epoxide	ND		ug/kg	3.30	0.990	1	A
Endrin	ND		ug/kg	0.734	0.301	1	A
Endrin aldehyde	ND		ug/kg	2.20	0.770	1	A
Endrin ketone	ND		ug/kg	1.76	0.453	1	A
Dieldrin	1.10		ug/kg	1.10	0.550	1	A
4,4'-DDE	4.44		ug/kg	1.76	0.407	1	B
4,4'-DDD	ND		ug/kg	1.76	0.628	1	B
4,4'-DDT	22.0		ug/kg	3.30	1.42	1	A
Endosulfan I	ND		ug/kg	1.76	0.416	1	A
Endosulfan II	ND		ug/kg	1.76	0.588	1	A
Endosulfan sulfate	ND		ug/kg	0.734	0.349	1	A
Methoxychlor	ND		ug/kg	3.30	1.03	1	A
Toxaphene	ND		ug/kg	33.0	9.24	1	A
cis-Chlordane	ND		ug/kg	2.20	0.613	1	A
trans-Chlordane	ND		ug/kg	2.20	0.581	1	A
Chlordane	ND		ug/kg	14.7	5.83	1	A

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156730-01
Client ID: GRID AA_0-2
Sample Location: Not Specified

Date Collected: 10/15/21 14:45
Date Received: 10/15/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		30-150	A
Decachlorobiphenyl	108		30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		30-150	B
Decachlorobiphenyl	94		30-150	B

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156730-02
Client ID: GRID AA_18-24
Sample Location: Not Specified

Date Collected: 10/15/21 14:45
Date Received: 10/15/21
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 10/28/21 18:41
Analyst: AR
Percent Solids: 98%

Extraction Method: EPA 3546
Extraction Date: 10/26/21 01:02
Cleanup Method: EPA 3620B
Cleanup Date: 10/27/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.55	0.303	1	A
Lindane	ND		ug/kg	0.644	0.288	1	A
Alpha-BHC	ND		ug/kg	0.644	0.183	1	A
Beta-BHC	ND		ug/kg	1.55	0.586	1	A
Heptachlor	ND		ug/kg	0.773	0.346	1	A
Aldrin	ND		ug/kg	1.55	0.544	1	A
Heptachlor epoxide	ND		ug/kg	2.90	0.870	1	A
Endrin	ND		ug/kg	0.644	0.264	1	A
Endrin aldehyde	ND		ug/kg	1.93	0.676	1	A
Endrin ketone	ND		ug/kg	1.55	0.398	1	A
Dieldrin	1.05		ug/kg	0.966	0.483	1	B
4,4'-DDE	20.4		ug/kg	1.55	0.358	1	B
4,4'-DDD	ND		ug/kg	1.55	0.551	1	B
4,4'-DDT	32.0		ug/kg	2.90	1.24	1	A
Endosulfan I	ND		ug/kg	1.55	0.365	1	A
Endosulfan II	ND		ug/kg	1.55	0.517	1	A
Endosulfan sulfate	1.06	P	ug/kg	0.644	0.307	1	B
Methoxychlor	ND		ug/kg	2.90	0.902	1	A
Toxaphene	ND		ug/kg	29.0	8.12	1	A
cis-Chlordane	ND		ug/kg	1.93	0.538	1	A
trans-Chlordane	ND		ug/kg	1.93	0.510	1	A
Chlordane	ND		ug/kg	12.9	5.12	1	A

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156730-02
Client ID: GRID AA_18-24
Sample Location: Not Specified

Date Collected: 10/15/21 14:45
Date Received: 10/15/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column

Organochlorine Pesticides by GC - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	86		30-150	A
Decachlorobiphenyl	91		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		30-150	B
Decachlorobiphenyl	95		30-150	B

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156730-03
Client ID: GRID AB_0-2
Sample Location: Not Specified

Date Collected: 10/15/21 12:06
Date Received: 10/15/21
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 10/18/21 16:51
Analyst: SDC
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 10/17/21 00:01
Cleanup Method: EPA 3620B
Cleanup Date: 10/17/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.66	0.326	1	A
Lindane	ND		ug/kg	0.693	0.310	1	A
Alpha-BHC	ND		ug/kg	0.693	0.197	1	A
Beta-BHC	ND		ug/kg	1.66	0.631	1	A
Heptachlor	ND		ug/kg	0.832	0.373	1	A
Aldrin	ND		ug/kg	1.66	0.586	1	A
Heptachlor epoxide	ND		ug/kg	3.12	0.936	1	A
Endrin	ND		ug/kg	0.693	0.284	1	A
Endrin aldehyde	ND		ug/kg	2.08	0.728	1	A
Endrin ketone	ND		ug/kg	1.66	0.428	1	A
Dieldrin	10.5	IP	ug/kg	1.04	0.520	1	B
4,4'-DDE	103		ug/kg	1.66	0.385	1	A
4,4'-DDD	4.89		ug/kg	1.66	0.593	1	B
4,4'-DDT	183	E	ug/kg	3.12	1.34	1	A
Endosulfan I	ND		ug/kg	1.66	0.393	1	A
Endosulfan II	ND		ug/kg	1.66	0.556	1	A
Endosulfan sulfate	ND		ug/kg	0.693	0.330	1	A
Methoxychlor	ND		ug/kg	3.12	0.970	1	A
Toxaphene	ND		ug/kg	31.2	8.73	1	A
cis-Chlordane	6.48	IP	ug/kg	2.08	0.579	1	B
trans-Chlordane	7.15		ug/kg	2.08	0.549	1	A
Chlordane	ND		ug/kg	13.9	5.51	1	A

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156730-03
Client ID: GRID AB_0-2
Sample Location: Not Specified

Date Collected: 10/15/21 12:06
Date Received: 10/15/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		30-150	A
Decachlorobiphenyl	132		30-150	A
2,4,5,6-Tetrachloro-m-xylene	81		30-150	B
Decachlorobiphenyl	105		30-150	B

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156730-03 D
 Client ID: GRID AB_0-2
 Sample Location: Not Specified

Date Collected: 10/15/21 12:06
 Date Received: 10/15/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8081B
 Analytical Date: 10/21/21 15:33
 Analyst: AR
 Percent Solids: 93%

Extraction Method: EPA 3546
 Extraction Date: 10/17/21 00:01
 Cleanup Method: EPA 3620B
 Cleanup Date: 10/17/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
4,4'-DDT	189		ug/kg	6.24	2.68	2	A

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156730-04
Client ID: GRID AB_18-24
Sample Location: Not Specified

Date Collected: 10/15/21 12:06
Date Received: 10/15/21
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 10/28/21 18:54
Analyst: AR
Percent Solids: 94%

Extraction Method: EPA 3546
Extraction Date: 10/26/21 01:02
Cleanup Method: EPA 3620B
Cleanup Date: 10/27/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.65	0.323	1	A
Lindane	ND		ug/kg	0.688	0.307	1	A
Alpha-BHC	ND		ug/kg	0.688	0.195	1	A
Beta-BHC	ND		ug/kg	1.65	0.626	1	A
Heptachlor	ND		ug/kg	0.825	0.370	1	A
Aldrin	ND		ug/kg	1.65	0.581	1	A
Heptachlor epoxide	ND		ug/kg	3.09	0.928	1	B
Endrin	ND		ug/kg	0.688	0.282	1	A
Endrin aldehyde	ND		ug/kg	2.06	0.722	1	A
Endrin ketone	ND		ug/kg	1.65	0.425	1	A
Dieldrin	1.43		ug/kg	1.03	0.516	1	A
4,4'-DDE	19.7		ug/kg	1.65	0.382	1	B
4,4'-DDD	ND		ug/kg	1.65	0.589	1	A
4,4'-DDT	28.9		ug/kg	3.09	1.33	1	A
Endosulfan I	ND		ug/kg	1.65	0.390	1	A
Endosulfan II	ND		ug/kg	1.65	0.551	1	A
Endosulfan sulfate	ND		ug/kg	0.688	0.327	1	A
Methoxychlor	ND		ug/kg	3.09	0.963	1	A
Toxaphene	ND		ug/kg	30.9	8.66	1	A
cis-Chlordane	1.30	JP	ug/kg	2.06	0.575	1	A
trans-Chlordane	ND		ug/kg	2.06	0.545	1	A
Chlordane	ND		ug/kg	13.8	5.47	1	A

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156730-04
Client ID: GRID AB_18-24
Sample Location: Not Specified

Date Collected: 10/15/21 12:06
Date Received: 10/15/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		30-150	A
Decachlorobiphenyl	78		30-150	A
2,4,5,6-Tetrachloro-m-xylene	56		30-150	B
Decachlorobiphenyl	74		30-150	B

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156730-05
Client ID: GRID AC_0-2
Sample Location: Not Specified

Date Collected: 10/15/21 11:24
Date Received: 10/15/21
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 10/18/21 17:02
Analyst: SDC
Percent Solids: 94%

Extraction Method: EPA 3546
Extraction Date: 10/17/21 00:01
Cleanup Method: EPA 3620B
Cleanup Date: 10/17/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.63	0.320	1	A
Lindane	ND		ug/kg	0.681	0.304	1	A
Alpha-BHC	ND		ug/kg	0.681	0.193	1	A
Beta-BHC	ND		ug/kg	1.63	0.620	1	A
Heptachlor	ND		ug/kg	0.817	0.366	1	A
Aldrin	ND		ug/kg	1.63	0.576	1	A
Heptachlor epoxide	ND		ug/kg	3.06	0.920	1	A
Endrin	ND		ug/kg	0.681	0.279	1	A
Endrin aldehyde	ND		ug/kg	2.04	0.715	1	A
Endrin ketone	ND		ug/kg	1.63	0.421	1	A
Dieldrin	4.93		ug/kg	1.02	0.511	1	A
4,4'-DDE	83.8		ug/kg	1.63	0.378	1	A
4,4'-DDD	1.39	J	ug/kg	1.63	0.583	1	B
4,4'-DDT	112		ug/kg	3.06	1.31	1	A
Endosulfan I	ND		ug/kg	1.63	0.386	1	A
Endosulfan II	ND		ug/kg	1.63	0.546	1	A
Endosulfan sulfate	ND		ug/kg	0.681	0.324	1	A
Methoxychlor	ND		ug/kg	3.06	0.954	1	A
Toxaphene	ND		ug/kg	30.6	8.58	1	A
cis-Chlordane	ND		ug/kg	2.04	0.570	1	A
trans-Chlordane	ND		ug/kg	2.04	0.540	1	A
Chlordane	ND		ug/kg	13.6	5.42	1	A

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156730-05
Client ID: GRID AC_0-2
Sample Location: Not Specified

Date Collected: 10/15/21 11:24
Date Received: 10/15/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		30-150	A
Decachlorobiphenyl	81		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	75		30-150	B

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156730-06
Client ID: GRID AC_18-24
Sample Location: Not Specified

Date Collected: 10/15/21 11:24
Date Received: 10/15/21
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 10/28/21 16:43
Analyst: AR
Percent Solids: 78%

Extraction Method: EPA 3546
Extraction Date: 10/27/21 09:13
Cleanup Method: EPA 3620B
Cleanup Date: 10/28/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.98	0.387	1	A
Lindane	ND		ug/kg	0.824	0.368	1	A
Alpha-BHC	ND		ug/kg	0.824	0.234	1	A
Beta-BHC	ND		ug/kg	1.98	0.750	1	A
Heptachlor	ND		ug/kg	0.989	0.443	1	A
Aldrin	ND		ug/kg	1.98	0.696	1	A
Heptachlor epoxide	ND		ug/kg	3.71	1.11	1	A
Endrin	ND		ug/kg	0.824	0.338	1	A
Endrin aldehyde	ND		ug/kg	2.47	0.865	1	A
Endrin ketone	ND		ug/kg	1.98	0.509	1	A
Dieldrin	ND		ug/kg	1.24	0.618	1	A
4,4'-DDE	5.62		ug/kg	1.98	0.457	1	B
4,4'-DDD	ND		ug/kg	1.98	0.705	1	A
4,4'-DDT	9.06		ug/kg	3.71	1.59	1	A
Endosulfan I	ND		ug/kg	1.98	0.467	1	A
Endosulfan II	ND		ug/kg	1.98	0.661	1	A
Endosulfan sulfate	ND		ug/kg	0.824	0.392	1	A
Methoxychlor	ND		ug/kg	3.71	1.15	1	A
Toxaphene	ND		ug/kg	37.1	10.4	1	A
cis-Chlordane	ND		ug/kg	2.47	0.689	1	A
trans-Chlordane	ND		ug/kg	2.47	0.652	1	A
Chlordane	ND		ug/kg	16.5	6.55	1	A

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156730-06
Client ID: GRID AC_18-24
Sample Location: Not Specified

Date Collected: 10/15/21 11:24
Date Received: 10/15/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column

Organochlorine Pesticides by GC - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		30-150	A
Decachlorobiphenyl	76		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	92		30-150	B

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156730-07
Client ID: GRID AD_0-2
Sample Location: Not Specified

Date Collected: 10/15/21 09:05
Date Received: 10/15/21
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 10/18/21 17:13
Analyst: SDC
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 10/17/21 00:01
Cleanup Method: EPA 3620B
Cleanup Date: 10/17/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.64	0.322	1	A
Lindane	ND		ug/kg	0.684	0.306	1	A
Alpha-BHC	ND		ug/kg	0.684	0.194	1	A
Beta-BHC	ND		ug/kg	1.64	0.622	1	A
Heptachlor	ND		ug/kg	0.821	0.368	1	A
Aldrin	ND		ug/kg	1.64	0.578	1	A
Heptachlor epoxide	ND		ug/kg	3.08	0.923	1	A
Endrin	ND		ug/kg	0.684	0.280	1	A
Endrin aldehyde	ND		ug/kg	2.05	0.718	1	A
Endrin ketone	ND		ug/kg	1.64	0.423	1	A
Dieldrin	15.3		ug/kg	1.03	0.513	1	A
4,4'-DDE	206	E	ug/kg	1.64	0.380	1	B
4,4'-DDD	6.05		ug/kg	1.64	0.586	1	B
4,4'-DDT	293	E	ug/kg	3.08	1.32	1	A
Endosulfan I	ND		ug/kg	1.64	0.388	1	A
Endosulfan II	ND		ug/kg	1.64	0.549	1	A
Endosulfan sulfate	ND		ug/kg	0.684	0.326	1	A
Methoxychlor	ND		ug/kg	3.08	0.958	1	A
Toxaphene	ND		ug/kg	30.8	8.62	1	A
cis-Chlordane	12.2		ug/kg	2.05	0.572	1	A
trans-Chlordane	11.9		ug/kg	2.05	0.542	1	B
Chlordane	76.6		ug/kg	13.7	5.44	1	B

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156730-07
Client ID: GRID AD_0-2
Sample Location: Not Specified

Date Collected: 10/15/21 09:05
Date Received: 10/15/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column

Organochlorine Pesticides by GC - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		30-150	A
Decachlorobiphenyl	105		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	92		30-150	B

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156730-07
Client ID: GRID AD_0-2
Sample Location: Not Specified

Date Collected: 10/15/21 09:05
Date Received: 10/15/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 10/22/21 10:52
Analyst: AR
Percent Solids: 92%
Methylation Date: 10/21/21 21:00

Extraction Method: EPA 8151A
Extraction Date: 10/21/21 00:43

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	178	11.2	1	A
2,4,5-T	ND		ug/kg	178	5.53	1	A
2,4,5-TP (Silvex)	ND		ug/kg	178	4.74	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	81		30-150	A
DCAA	86		30-150	B

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156730-07 D
 Client ID: GRID AD_0-2
 Sample Location: Not Specified

Date Collected: 10/15/21 09:05
 Date Received: 10/15/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8081B
 Analytical Date: 10/21/21 15:44
 Analyst: AR
 Percent Solids: 92%

Extraction Method: EPA 3546
 Extraction Date: 10/17/21 00:01
 Cleanup Method: EPA 3620B
 Cleanup Date: 10/17/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
4,4'-DDE	243		ug/kg	8.21	1.90	5	A
4,4'-DDT	322		ug/kg	15.4	6.60	5	A

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156730-08
Client ID: GRID AD_18-24
Sample Location: Not Specified

Date Collected: 10/15/21 09:05
Date Received: 10/15/21
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 10/28/21 19:06
Analyst: AR
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 10/26/21 01:02
Cleanup Method: EPA 3620B
Cleanup Date: 10/27/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.72	0.337	1	A
Lindane	ND		ug/kg	0.717	0.320	1	A
Alpha-BHC	ND		ug/kg	0.717	0.204	1	A
Beta-BHC	ND		ug/kg	1.72	0.652	1	A
Heptachlor	0.411	JIP	ug/kg	0.860	0.386	1	B
Aldrin	ND		ug/kg	1.72	0.606	1	A
Heptachlor epoxide	ND		ug/kg	3.22	0.968	1	B
Endrin	ND		ug/kg	0.717	0.294	1	A
Endrin aldehyde	ND		ug/kg	2.15	0.752	1	A
Endrin ketone	ND		ug/kg	1.72	0.443	1	A
Dieldrin	5.78		ug/kg	1.08	0.538	1	B
4,4'-DDE	56.4		ug/kg	1.72	0.398	1	B
4,4'-DDD	16.4		ug/kg	1.72	0.613	1	B
4,4'-DDT	77.8		ug/kg	3.22	1.38	1	A
Endosulfan I	ND		ug/kg	1.72	0.406	1	A
Endosulfan II	1.14	J	ug/kg	1.72	0.575	1	A
Endosulfan sulfate	1.61	IP	ug/kg	0.717	0.341	1	A
Methoxychlor	ND		ug/kg	3.22	1.00	1	A
Toxaphene	ND		ug/kg	32.2	9.03	1	A
cis-Chlordane	4.97	IP	ug/kg	2.15	0.599	1	B
trans-Chlordane	7.20		ug/kg	2.15	0.568	1	A
Chlordane	46.9		ug/kg	14.3	5.70	1	A

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156730-08
Client ID: GRID AD_18-24
Sample Location: Not Specified

Date Collected: 10/15/21 09:05
Date Received: 10/15/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column

Organochlorine Pesticides by GC - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		30-150	A
Decachlorobiphenyl	84		30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		30-150	B
Decachlorobiphenyl	80		30-150	B

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156730-09
Client ID: GRID L_0-2
Sample Location: Not Specified

Date Collected: 10/15/21 14:01
Date Received: 10/15/21
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 10/18/21 17:24
Analyst: SDC
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 10/17/21 00:01
Cleanup Method: EPA 3620B
Cleanup Date: 10/17/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.64	0.321	1	A
Lindane	ND		ug/kg	0.684	0.306	1	A
Alpha-BHC	ND		ug/kg	0.684	0.194	1	A
Beta-BHC	ND		ug/kg	1.64	0.622	1	A
Heptachlor	ND		ug/kg	0.820	0.368	1	A
Aldrin	ND		ug/kg	1.64	0.578	1	A
Heptachlor epoxide	ND		ug/kg	3.08	0.923	1	A
Endrin	ND		ug/kg	0.684	0.280	1	A
Endrin aldehyde	ND		ug/kg	2.05	0.718	1	A
Endrin ketone	ND		ug/kg	1.64	0.422	1	A
Dieldrin	21.0		ug/kg	1.02	0.513	1	A
4,4'-DDE	362	E	ug/kg	1.64	0.379	1	A
4,4'-DDD	7.10		ug/kg	1.64	0.585	1	B
4,4'-DDT	689	E	ug/kg	3.08	1.32	1	A
Endosulfan I	ND		ug/kg	1.64	0.388	1	A
Endosulfan II	9.51		ug/kg	1.64	0.548	1	A
Endosulfan sulfate	ND		ug/kg	0.684	0.325	1	A
Methoxychlor	ND		ug/kg	3.08	0.957	1	A
Toxaphene	ND		ug/kg	30.8	8.61	1	A
cis-Chlordane	ND		ug/kg	2.05	0.572	1	A
trans-Chlordane	ND		ug/kg	2.05	0.541	1	A
Chlordane	ND		ug/kg	13.7	5.44	1	A

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156730-09
Client ID: GRID L_0-2
Sample Location: Not Specified

Date Collected: 10/15/21 14:01
Date Received: 10/15/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		30-150	A
Decachlorobiphenyl	105		30-150	A
2,4,5,6-Tetrachloro-m-xylene	89		30-150	B
Decachlorobiphenyl	105		30-150	B

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156730-09
Client ID: GRID L_0-2
Sample Location: Not Specified

Date Collected: 10/15/21 14:01
Date Received: 10/15/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 10/22/21 11:10
Analyst: AR
Percent Solids: 93%
Methylation Date: 10/21/21 21:00

Extraction Method: EPA 8151A
Extraction Date: 10/21/21 00:43

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	178	11.2	1	A
2,4,5-T	ND		ug/kg	178	5.52	1	A
2,4,5-TP (Silvex)	ND		ug/kg	178	4.73	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	82		30-150	A
DCAA	82		30-150	B

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156730-09 **D**
Client ID: GRID L_0-2
Sample Location: Not Specified

Date Collected: 10/15/21 14:01
Date Received: 10/15/21
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 10/21/21 15:55
Analyst: AR
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 10/17/21 00:01
Cleanup Method: EPA 3620B
Cleanup Date: 10/17/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
4,4'-DDE	396		ug/kg	16.4	3.79	10	A
4,4'-DDT	735		ug/kg	30.8	13.2	10	A

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156730-10
Client ID: GRID L_18-24
Sample Location: Not Specified

Date Collected: 10/15/21 14:01
Date Received: 10/15/21
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 10/28/21 19:19
Analyst: AR
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 10/26/21 01:02
Cleanup Method: EPA 3620B
Cleanup Date: 10/27/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.64	0.322	1	A
Lindane	ND		ug/kg	0.685	0.306	1	A
Alpha-BHC	ND		ug/kg	0.685	0.194	1	A
Beta-BHC	ND		ug/kg	1.64	0.623	1	A
Heptachlor	ND		ug/kg	0.822	0.368	1	A
Aldrin	ND		ug/kg	1.64	0.579	1	A
Heptachlor epoxide	ND		ug/kg	3.08	0.925	1	A
Endrin	ND		ug/kg	0.685	0.281	1	A
Endrin aldehyde	ND		ug/kg	2.06	0.719	1	A
Endrin ketone	ND		ug/kg	1.64	0.423	1	A
Dieldrin	0.696	J	ug/kg	1.03	0.514	1	A
4,4'-DDE	11.9		ug/kg	1.64	0.380	1	A
4,4'-DDD	ND		ug/kg	1.64	0.586	1	A
4,4'-DDT	23.0		ug/kg	3.08	1.32	1	A
Endosulfan I	ND		ug/kg	1.64	0.388	1	A
Endosulfan II	ND		ug/kg	1.64	0.549	1	A
Endosulfan sulfate	0.760	IP	ug/kg	0.685	0.326	1	A
Methoxychlor	ND		ug/kg	3.08	0.959	1	A
Toxaphene	ND		ug/kg	30.8	8.63	1	A
cis-Chlordane	ND		ug/kg	2.06	0.573	1	A
trans-Chlordane	ND		ug/kg	2.06	0.542	1	A
Chlordane	ND		ug/kg	13.7	5.45	1	A

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156730-10
Client ID: GRID L_18-24
Sample Location: Not Specified

Date Collected: 10/15/21 14:01
Date Received: 10/15/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column

Organochlorine Pesticides by GC - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		30-150	A
Decachlorobiphenyl	91		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	90		30-150	B

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156730-11
Client ID: GRID M_0-2
Sample Location: Not Specified

Date Collected: 10/15/21 13:30
Date Received: 10/15/21
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 10/18/21 17:35
Analyst: SDC
Percent Solids: 85%

Extraction Method: EPA 3546
Extraction Date: 10/17/21 00:01
Cleanup Method: EPA 3620B
Cleanup Date: 10/17/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.88	0.368	1	A
Lindane	ND		ug/kg	0.784	0.350	1	A
Alpha-BHC	ND		ug/kg	0.784	0.223	1	A
Beta-BHC	ND		ug/kg	1.88	0.713	1	A
Heptachlor	ND		ug/kg	0.941	0.422	1	A
Aldrin	ND		ug/kg	1.88	0.662	1	A
Heptachlor epoxide	ND		ug/kg	3.53	1.06	1	A
Endrin	ND		ug/kg	0.784	0.321	1	A
Endrin aldehyde	ND		ug/kg	2.35	0.823	1	A
Endrin ketone	ND		ug/kg	1.88	0.484	1	A
Dieldrin	20.4		ug/kg	1.18	0.588	1	A
4,4'-DDE	326	E	ug/kg	1.88	0.435	1	A
4,4'-DDD	5.03		ug/kg	1.88	0.671	1	B
4,4'-DDT	595	E	ug/kg	3.53	1.51	1	A
Endosulfan I	ND		ug/kg	1.88	0.444	1	A
Endosulfan II	11.7		ug/kg	1.88	0.629	1	A
Endosulfan sulfate	ND		ug/kg	0.784	0.373	1	A
Methoxychlor	ND		ug/kg	3.53	1.10	1	A
Toxaphene	ND		ug/kg	35.3	9.88	1	A
cis-Chlordane	ND		ug/kg	2.35	0.655	1	A
trans-Chlordane	ND		ug/kg	2.35	0.621	1	A
Chlordane	ND		ug/kg	15.7	6.23	1	A

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156730-11
Client ID: GRID M_0-2
Sample Location: Not Specified

Date Collected: 10/15/21 13:30
Date Received: 10/15/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column

Organochlorine Pesticides by GC - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	83		30-150	A
Decachlorobiphenyl	109		30-150	A
2,4,5,6-Tetrachloro-m-xylene	92		30-150	B
Decachlorobiphenyl	94		30-150	B

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156730-11 D
 Client ID: GRID M_0-2
 Sample Location: Not Specified

Date Collected: 10/15/21 13:30
 Date Received: 10/15/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8081B
 Analytical Date: 10/21/21 16:06
 Analyst: AR
 Percent Solids: 85%

Extraction Method: EPA 3546
 Extraction Date: 10/17/21 00:01
 Cleanup Method: EPA 3620B
 Cleanup Date: 10/17/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
4,4'-DDE	358		ug/kg	18.8	4.35	10	A
4,4'-DDT	641		ug/kg	35.3	15.1	10	A

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156730-12
Client ID: GRID M_18-24
Sample Location: Not Specified

Date Collected: 10/15/21 13:30
Date Received: 10/15/21
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 10/28/21 19:31
Analyst: AR
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 10/26/21 01:02
Cleanup Method: EPA 3620B
Cleanup Date: 10/27/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.64	0.322	1	A
Lindane	ND		ug/kg	0.685	0.306	1	A
Alpha-BHC	ND		ug/kg	0.685	0.195	1	A
Beta-BHC	ND		ug/kg	1.64	0.624	1	A
Heptachlor	ND		ug/kg	0.822	0.369	1	A
Aldrin	ND		ug/kg	1.64	0.579	1	A
Heptachlor epoxide	ND		ug/kg	3.08	0.925	1	A
Endrin	ND		ug/kg	0.685	0.281	1	A
Endrin aldehyde	ND		ug/kg	2.06	0.719	1	A
Endrin ketone	ND		ug/kg	1.64	0.423	1	A
Dieldrin	3.40		ug/kg	1.03	0.514	1	A
4,4'-DDE	65.7		ug/kg	1.64	0.380	1	B
4,4'-DDD	0.952	J	ug/kg	1.64	0.586	1	B
4,4'-DDT	123		ug/kg	3.08	1.32	1	A
Endosulfan I	ND		ug/kg	1.64	0.388	1	A
Endosulfan II	ND		ug/kg	1.64	0.550	1	A
Endosulfan sulfate	6.33		ug/kg	0.685	0.326	1	A
Methoxychlor	1.28	JIP	ug/kg	3.08	0.959	1	B
Toxaphene	ND		ug/kg	30.8	8.63	1	A
cis-Chlordane	ND		ug/kg	2.06	0.573	1	A
trans-Chlordane	ND		ug/kg	2.06	0.543	1	A
Chlordane	ND		ug/kg	13.7	5.45	1	A

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156730-12
Client ID: GRID M_18-24
Sample Location: Not Specified

Date Collected: 10/15/21 13:30
Date Received: 10/15/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	84		30-150	A
Decachlorobiphenyl	92		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	90		30-150	B

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156730-13
Client ID: GRID N_0-2
Sample Location: Not Specified

Date Collected: 10/15/21 10:20
Date Received: 10/15/21
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 10/18/21 17:46
Analyst: SDC
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 10/17/21 00:01
Cleanup Method: EPA 3620B
Cleanup Date: 10/17/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.74	0.340	1	A
Lindane	ND		ug/kg	0.723	0.323	1	A
Alpha-BHC	ND		ug/kg	0.723	0.205	1	A
Beta-BHC	ND		ug/kg	1.74	0.658	1	A
Heptachlor	ND		ug/kg	0.868	0.389	1	A
Aldrin	ND		ug/kg	1.74	0.611	1	A
Heptachlor epoxide	ND		ug/kg	3.25	0.976	1	A
Endrin	ND		ug/kg	0.723	0.296	1	A
Endrin aldehyde	ND		ug/kg	2.17	0.759	1	A
Endrin ketone	ND		ug/kg	1.74	0.447	1	A
Dieldrin	17.0		ug/kg	1.08	0.542	1	A
4,4'-DDE	357	E	ug/kg	1.74	0.401	1	A
4,4'-DDD	6.33		ug/kg	1.74	0.619	1	B
4,4'-DDT	579	E	ug/kg	3.25	1.40	1	A
Endosulfan I	ND		ug/kg	1.74	0.410	1	A
Endosulfan II	8.60		ug/kg	1.74	0.580	1	A
Endosulfan sulfate	ND		ug/kg	0.723	0.344	1	A
Methoxychlor	ND		ug/kg	3.25	1.01	1	A
Toxaphene	ND		ug/kg	32.5	9.11	1	A
cis-Chlordane	0.773	JIP	ug/kg	2.17	0.604	1	B
trans-Chlordane	1.18	JIP	ug/kg	2.17	0.573	1	A
Chlordane	ND		ug/kg	14.5	5.75	1	A

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156730-13
Client ID: GRID N_0-2
Sample Location: Not Specified

Date Collected: 10/15/21 10:20
Date Received: 10/15/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column

Organochlorine Pesticides by GC - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	106		30-150	A
2,4,5,6-Tetrachloro-m-xylene	81		30-150	B
Decachlorobiphenyl	98		30-150	B

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156730-13 D
 Client ID: GRID N_0-2
 Sample Location: Not Specified

Date Collected: 10/15/21 10:20
 Date Received: 10/15/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8081B
 Analytical Date: 10/21/21 16:18
 Analyst: AR
 Percent Solids: 91%

Extraction Method: EPA 3546
 Extraction Date: 10/17/21 00:01
 Cleanup Method: EPA 3620B
 Cleanup Date: 10/17/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
4,4'-DDE	386		ug/kg	17.4	4.01	10	A
4,4'-DDT	618		ug/kg	32.5	14.0	10	A

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156730-14
Client ID: GRID N_18-24
Sample Location: Not Specified

Date Collected: 10/15/21 10:20
Date Received: 10/15/21
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 10/28/21 19:44
Analyst: AR
Percent Solids: 85%

Extraction Method: EPA 3546
Extraction Date: 10/26/21 01:02
Cleanup Method: EPA 3620B
Cleanup Date: 10/27/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.81	0.354	1	A
Lindane	ND		ug/kg	0.753	0.337	1	A
Alpha-BHC	ND		ug/kg	0.753	0.214	1	A
Beta-BHC	ND		ug/kg	1.81	0.685	1	A
Heptachlor	ND		ug/kg	0.904	0.405	1	A
Aldrin	ND		ug/kg	1.81	0.636	1	A
Heptachlor epoxide	ND		ug/kg	3.39	1.02	1	A
Endrin	ND		ug/kg	0.753	0.309	1	A
Endrin aldehyde	ND		ug/kg	2.26	0.791	1	A
Endrin ketone	ND		ug/kg	1.81	0.465	1	A
Dieldrin	0.958	J	ug/kg	1.13	0.565	1	A
4,4'-DDE	18.9		ug/kg	1.81	0.418	1	B
4,4'-DDD	ND		ug/kg	1.81	0.644	1	B
4,4'-DDT	34.1		ug/kg	3.39	1.45	1	A
Endosulfan I	ND		ug/kg	1.81	0.427	1	B
Endosulfan II	ND		ug/kg	1.81	0.604	1	B
Endosulfan sulfate	0.837	IP	ug/kg	0.753	0.358	1	A
Methoxychlor	ND		ug/kg	3.39	1.05	1	A
Toxaphene	ND		ug/kg	33.9	9.49	1	A
cis-Chlordane	ND		ug/kg	2.26	0.630	1	A
trans-Chlordane	ND		ug/kg	2.26	0.596	1	A
Chlordane	ND		ug/kg	15.1	5.99	1	A

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156730-14
Client ID: GRID N_18-24
Sample Location: Not Specified

Date Collected: 10/15/21 10:20
Date Received: 10/15/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	62		30-150	A
Decachlorobiphenyl	66		30-150	A
2,4,5,6-Tetrachloro-m-xylene	52		30-150	B
Decachlorobiphenyl	65		30-150	B

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156730-15
Client ID: GRID O_0-2
Sample Location: Not Specified

Date Collected: 10/15/21 09:50
Date Received: 10/15/21
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 10/18/21 17:57
Analyst: SDC
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 10/17/21 00:01
Cleanup Method: EPA 3620B
Cleanup Date: 10/17/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.77	0.346	1	A
Lindane	ND		ug/kg	0.737	0.330	1	A
Alpha-BHC	ND		ug/kg	0.737	0.209	1	A
Beta-BHC	ND		ug/kg	1.77	0.671	1	A
Heptachlor	ND		ug/kg	0.885	0.397	1	A
Aldrin	ND		ug/kg	1.77	0.623	1	A
Heptachlor epoxide	ND		ug/kg	3.32	0.995	1	A
Endrin	ND		ug/kg	0.737	0.302	1	A
Endrin aldehyde	ND		ug/kg	2.21	0.774	1	A
Endrin ketone	ND		ug/kg	1.77	0.456	1	A
Dieldrin	42.8		ug/kg	1.10	0.553	1	A
4,4'-DDE	693	E	ug/kg	1.77	0.409	1	A
4,4'-DDD	15.3		ug/kg	1.77	0.631	1	B
4,4'-DDT	1430	E	ug/kg	3.32	1.42	1	A
Endosulfan I	ND		ug/kg	1.77	0.418	1	A
Endosulfan II	15.0		ug/kg	1.77	0.591	1	A
Endosulfan sulfate	ND		ug/kg	0.737	0.351	1	A
Methoxychlor	ND		ug/kg	3.32	1.03	1	A
Toxaphene	ND		ug/kg	33.2	9.29	1	A
cis-Chlordane	ND		ug/kg	2.21	0.616	1	A
trans-Chlordane	1.08	JIP	ug/kg	2.21	0.584	1	A
Chlordane	ND		ug/kg	14.7	5.86	1	A

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156730-15
Client ID: GRID O_0-2
Sample Location: Not Specified

Date Collected: 10/15/21 09:50
Date Received: 10/15/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column

Organochlorine Pesticides by GC - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		30-150	A
Decachlorobiphenyl	103		30-150	A
2,4,5,6-Tetrachloro-m-xylene	82		30-150	B
Decachlorobiphenyl	86		30-150	B

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156730-15 D
 Client ID: GRID O_0-2
 Sample Location: Not Specified

Date Collected: 10/15/21 09:50
 Date Received: 10/15/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8081B
 Analytical Date: 10/21/21 16:29
 Analyst: AR
 Percent Solids: 88%

Extraction Method: EPA 3546
 Extraction Date: 10/17/21 00:01
 Cleanup Method: EPA 3620B
 Cleanup Date: 10/17/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
4,4'-DDE	758		ug/kg	35.4	8.18	20	A
4,4'-DDT	1550		ug/kg	66.3	28.4	20	A

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156730-16
Client ID: GRID O_18-24
Sample Location: Not Specified

Date Collected: 10/15/21 09:50
Date Received: 10/15/21
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 10/28/21 19:57
Analyst: AR
Percent Solids: 83%

Extraction Method: EPA 3546
Extraction Date: 10/26/21 01:02
Cleanup Method: EPA 3620B
Cleanup Date: 10/27/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.90	0.373	1	A
Lindane	ND		ug/kg	0.793	0.354	1	A
Alpha-BHC	ND		ug/kg	0.793	0.225	1	A
Beta-BHC	ND		ug/kg	1.90	0.721	1	A
Heptachlor	ND		ug/kg	0.951	0.426	1	A
Aldrin	ND		ug/kg	1.90	0.670	1	A
Heptachlor epoxide	ND		ug/kg	3.57	1.07	1	A
Endrin	ND		ug/kg	0.793	0.325	1	A
Endrin aldehyde	ND		ug/kg	2.38	0.832	1	A
Endrin ketone	ND		ug/kg	1.90	0.490	1	A
Dieldrin	6.87		ug/kg	1.19	0.595	1	B
4,4'-DDE	71.2	IP	ug/kg	1.90	0.440	1	A
4,4'-DDD	1.17	JIP	ug/kg	1.90	0.679	1	A
4,4'-DDT	212	PE	ug/kg	3.57	1.53	1	B
Endosulfan I	0.493	JIP	ug/kg	1.90	0.450	1	A
Endosulfan II	1.97		ug/kg	1.90	0.636	1	B
Endosulfan sulfate	8.74		ug/kg	0.793	0.377	1	B
Methoxychlor	1.78	JIP	ug/kg	3.57	1.11	1	B
Toxaphene	ND		ug/kg	35.7	9.99	1	A
cis-Chlordane	ND		ug/kg	2.38	0.663	1	A
trans-Chlordane	ND		ug/kg	2.38	0.628	1	A
Chlordane	ND		ug/kg	15.8	6.30	1	A

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156730-16
Client ID: GRID O_18-24
Sample Location: Not Specified

Date Collected: 10/15/21 09:50
Date Received: 10/15/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column

Organochlorine Pesticides by GC - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	45		30-150	A
Decachlorobiphenyl	48		30-150	A
2,4,5,6-Tetrachloro-m-xylene	61		30-150	B
Decachlorobiphenyl	77		30-150	B

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156730-16 D
 Client ID: GRID O_18-24
 Sample Location: Not Specified

Date Collected: 10/15/21 09:50
 Date Received: 10/15/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8081B
 Analytical Date: 10/29/21 12:18
 Analyst: AR
 Percent Solids: 83%

Extraction Method: EPA 3546
 Extraction Date: 10/26/21 01:02
 Cleanup Method: EPA 3620B
 Cleanup Date: 10/27/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
4,4'-DDT	254		ug/kg	7.14	3.06	2	B

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156730-17
Client ID: GRID Z_0-2
Sample Location: Not Specified

Date Collected: 10/15/21 15:27
Date Received: 10/15/21
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 10/18/21 19:08
Analyst: JAW
Percent Solids: 96%

Extraction Method: EPA 3546
Extraction Date: 10/17/21 00:01
Cleanup Method: EPA 3620B
Cleanup Date: 10/17/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.67	0.326	1	A
Lindane	ND		ug/kg	0.695	0.310	1	A
Alpha-BHC	ND		ug/kg	0.695	0.197	1	A
Beta-BHC	ND		ug/kg	1.67	0.632	1	A
Heptachlor	ND		ug/kg	0.834	0.374	1	A
Aldrin	ND		ug/kg	1.67	0.587	1	A
Heptachlor epoxide	ND		ug/kg	3.13	0.938	1	A
Endrin	ND		ug/kg	0.695	0.285	1	A
Endrin aldehyde	ND		ug/kg	2.08	0.730	1	A
Endrin ketone	ND		ug/kg	1.67	0.429	1	A
Dieldrin	3.62		ug/kg	1.04	0.521	1	B
4,4'-DDE	47.2		ug/kg	1.67	0.386	1	B
4,4'-DDD	3.36		ug/kg	1.67	0.595	1	B
4,4'-DDT	118		ug/kg	3.13	1.34	1	B
Endosulfan I	ND		ug/kg	1.67	0.394	1	A
Endosulfan II	ND		ug/kg	1.67	0.557	1	A
Endosulfan sulfate	ND		ug/kg	0.695	0.331	1	A
Methoxychlor	ND		ug/kg	3.13	0.973	1	A
Toxaphene	ND		ug/kg	31.3	8.75	1	A
cis-Chlordane	ND		ug/kg	2.08	0.581	1	A
trans-Chlordane	ND		ug/kg	2.08	0.550	1	A
Chlordane	ND		ug/kg	13.9	5.52	1	A

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156730-17
Client ID: GRID Z_0-2
Sample Location: Not Specified

Date Collected: 10/15/21 15:27
Date Received: 10/15/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column

Organochlorine Pesticides by GC - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	59		30-150	A
Decachlorobiphenyl	82		30-150	A
2,4,5,6-Tetrachloro-m-xylene	61		30-150	B
Decachlorobiphenyl	78		30-150	B

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156730-18
Client ID: GRID Z_18-24
Sample Location: Not Specified

Date Collected: 10/15/21 15:27
Date Received: 10/15/21
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 10/28/21 20:09
Analyst: AR
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 10/26/21 01:02
Cleanup Method: EPA 3620B
Cleanup Date: 10/27/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.71	0.334	1	A
Lindane	ND		ug/kg	0.711	0.318	1	A
Alpha-BHC	ND		ug/kg	0.711	0.202	1	A
Beta-BHC	ND		ug/kg	1.71	0.647	1	A
Heptachlor	ND		ug/kg	0.853	0.382	1	A
Aldrin	ND		ug/kg	1.71	0.601	1	A
Heptachlor epoxide	ND		ug/kg	3.20	0.960	1	A
Endrin	ND		ug/kg	0.711	0.292	1	A
Endrin aldehyde	ND		ug/kg	2.13	0.746	1	A
Endrin ketone	ND		ug/kg	1.71	0.439	1	A
Dieldrin	5.61		ug/kg	1.07	0.533	1	A
4,4'-DDE	59.5		ug/kg	1.71	0.394	1	A
4,4'-DDD	4.39		ug/kg	1.71	0.609	1	B
4,4'-DDT	240	E	ug/kg	3.20	1.37	1	A
Endosulfan I	ND		ug/kg	1.71	0.403	1	A
Endosulfan II	ND		ug/kg	1.71	0.570	1	A
Endosulfan sulfate	6.86		ug/kg	0.711	0.338	1	A
Methoxychlor	ND		ug/kg	3.20	0.995	1	A
Toxaphene	ND		ug/kg	32.0	8.96	1	A
cis-Chlordane	ND		ug/kg	2.13	0.594	1	A
trans-Chlordane	ND		ug/kg	2.13	0.563	1	A
Chlordane	ND		ug/kg	14.2	5.65	1	A

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156730-18
Client ID: GRID Z_18-24
Sample Location: Not Specified

Date Collected: 10/15/21 15:27
Date Received: 10/15/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	82		30-150	A
2,4,5,6-Tetrachloro-m-xylene	60		30-150	B
Decachlorobiphenyl	78		30-150	B

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156730-18 D
 Client ID: GRID Z_18-24
 Sample Location: Not Specified

Date Collected: 10/15/21 15:27
 Date Received: 10/15/21
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8081B
 Analytical Date: 10/29/21 13:09
 Analyst: AR
 Percent Solids: 91%

Extraction Method: EPA 3546
 Extraction Date: 10/26/21 01:02
 Cleanup Method: EPA 3620B
 Cleanup Date: 10/27/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
4,4'-DDT	255		ug/kg	16.0	6.86	5	B

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 10/18/21 11:48
Analyst: JAW

Extraction Method: EPA 3546
Extraction Date: 10/17/21 00:01
Cleanup Method: EPA 3620B
Cleanup Date: 10/17/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01,03,05,07,09,11,13,15,17 Batch: WG1559594-1						
Delta-BHC	ND		ug/kg	1.51	0.295	A
Lindane	ND		ug/kg	0.628	0.281	A
Alpha-BHC	ND		ug/kg	0.628	0.178	A
Beta-BHC	ND		ug/kg	1.51	0.572	A
Heptachlor	ND		ug/kg	0.754	0.338	A
Aldrin	ND		ug/kg	1.51	0.531	A
Heptachlor epoxide	ND		ug/kg	2.83	0.848	A
Endrin	ND		ug/kg	0.628	0.258	A
Endrin aldehyde	ND		ug/kg	1.88	0.660	A
Endrin ketone	ND		ug/kg	1.51	0.388	A
Dieldrin	ND		ug/kg	0.943	0.471	A
4,4'-DDE	ND		ug/kg	1.51	0.349	A
4,4'-DDD	ND		ug/kg	1.51	0.538	A
4,4'-DDT	ND		ug/kg	2.83	1.21	A
Endosulfan I	ND		ug/kg	1.51	0.356	A
Endosulfan II	ND		ug/kg	1.51	0.504	A
Endosulfan sulfate	ND		ug/kg	0.628	0.299	A
Methoxychlor	ND		ug/kg	2.83	0.880	A
Toxaphene	ND		ug/kg	28.3	7.92	A
cis-Chlordane	ND		ug/kg	1.88	0.525	A
trans-Chlordane	ND		ug/kg	1.88	0.498	A
Chlordane	ND		ug/kg	12.6	5.00	A

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
 Analytical Date: 10/18/21 11:48
 Analyst: JAW

Extraction Method: EPA 3546
 Extraction Date: 10/17/21 00:01
 Cleanup Method: EPA 3620B
 Cleanup Date: 10/17/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s):	01,03,05,07,09,11,13,15,17					Batch: WG1559594-1

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		30-150	A
Decachlorobiphenyl	111		30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		30-150	B
Decachlorobiphenyl	109		30-150	B

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 10/22/21 08:07
Analyst: AR

Extraction Method: EPA 8151A
Extraction Date: 10/21/21 00:39

Methylation Date: 10/21/21 21:00

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 07,09 Batch: WG1561226-1						
2,4-D	ND		ug/kg	164	10.3	A
2,4,5-T	ND		ug/kg	164	5.08	A
2,4,5-TP (Silvex)	ND		ug/kg	164	4.36	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	72		30-150	A
DCAA	62		30-150	B

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 10/26/21 08:50
Analyst: SDC

Extraction Method: EPA 3546
Extraction Date: 10/26/21 01:02
Cleanup Method: EPA 3620B
Cleanup Date: 10/26/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 02,04,08,10,12,14,16,18 Batch: WG1562985-1						
Delta-BHC	ND		ug/kg	1.52	0.297	A
Lindane	ND		ug/kg	0.632	0.282	A
Alpha-BHC	ND		ug/kg	0.632	0.179	A
Beta-BHC	ND		ug/kg	1.52	0.575	A
Heptachlor	ND		ug/kg	0.758	0.340	A
Aldrin	ND		ug/kg	1.52	0.534	A
Heptachlor epoxide	ND		ug/kg	2.84	0.853	A
Endrin	ND		ug/kg	0.632	0.259	A
Endrin aldehyde	ND		ug/kg	1.90	0.663	A
Endrin ketone	ND		ug/kg	1.52	0.390	A
Dieldrin	ND		ug/kg	0.948	0.474	A
4,4'-DDE	ND		ug/kg	1.52	0.351	A
4,4'-DDD	ND		ug/kg	1.52	0.541	A
4,4'-DDT	ND		ug/kg	2.84	1.22	A
Endosulfan I	ND		ug/kg	1.52	0.358	A
Endosulfan II	ND		ug/kg	1.52	0.507	A
Endosulfan sulfate	ND		ug/kg	0.632	0.301	A
Methoxychlor	ND		ug/kg	2.84	0.884	A
Toxaphene	ND		ug/kg	28.4	7.96	A
cis-Chlordane	ND		ug/kg	1.90	0.528	A
trans-Chlordane	ND		ug/kg	1.90	0.500	A
Chlordane	ND		ug/kg	12.6	5.02	A

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 10/26/21 08:50
Analyst: SDC

Extraction Method: EPA 3546
Extraction Date: 10/26/21 01:02
Cleanup Method: EPA 3620B
Cleanup Date: 10/26/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s):	02,04,08,10,12,14,16,18					Batch:
WG1562985-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		30-150	A
Decachlorobiphenyl	90		30-150	A
2,4,5,6-Tetrachloro-m-xylene	83		30-150	B
Decachlorobiphenyl	106		30-150	B

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 10/28/21 16:10
Analyst: AR

Extraction Method: EPA 3546
Extraction Date: 10/27/21 09:13
Cleanup Method: EPA 3620B
Cleanup Date: 10/28/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 06 Batch: WG1563729-1						
Delta-BHC	ND		ug/kg	1.57	0.307	A
Lindane	ND		ug/kg	0.654	0.292	A
Alpha-BHC	ND		ug/kg	0.654	0.186	A
Beta-BHC	ND		ug/kg	1.57	0.595	A
Heptachlor	ND		ug/kg	0.784	0.352	A
Aldrin	ND		ug/kg	1.57	0.552	A
Heptachlor epoxide	ND		ug/kg	2.94	0.882	A
Endrin	ND		ug/kg	0.654	0.268	A
Endrin aldehyde	ND		ug/kg	1.96	0.686	A
Endrin ketone	ND		ug/kg	1.57	0.404	A
Dieldrin	ND		ug/kg	0.980	0.490	A
4,4'-DDE	ND		ug/kg	1.57	0.363	A
4,4'-DDD	ND		ug/kg	1.57	0.559	A
4,4'-DDT	ND		ug/kg	2.94	1.26	A
Endosulfan I	ND		ug/kg	1.57	0.370	A
Endosulfan II	ND		ug/kg	1.57	0.524	A
Endosulfan sulfate	ND		ug/kg	0.654	0.311	A
Methoxychlor	ND		ug/kg	2.94	0.915	A
Toxaphene	ND		ug/kg	29.4	8.24	A
cis-Chlordane	ND		ug/kg	1.96	0.546	A
trans-Chlordane	ND		ug/kg	1.96	0.518	A
Chlordane	ND		ug/kg	13.1	5.20	A

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
 Analytical Date: 10/28/21 16:10
 Analyst: AR

Extraction Method: EPA 3546
 Extraction Date: 10/27/21 09:13
 Cleanup Method: EPA 3620B
 Cleanup Date: 10/28/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 06 Batch: WG1563729-1						

Surrogate	%Recovery	Qualifier	Acceptance	
			Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		30-150	A
Decachlorobiphenyl	72		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	74		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01,03,05,07,09,11,13,15,17 Batch: WG1559594-2 WG1559594-3									
Delta-BHC	79		72		30-150	9		30	A
Lindane	85		78		30-150	9		30	A
Alpha-BHC	85		78		30-150	9		30	A
Beta-BHC	89		77		30-150	14		30	A
Heptachlor	95		88		30-150	8		30	A
Aldrin	86		77		30-150	11		30	A
Heptachlor epoxide	88		80		30-150	10		30	A
Endrin	99		91		30-150	8		30	A
Endrin aldehyde	85		75		30-150	13		30	A
Endrin ketone	108		99		30-150	9		30	A
Dieldrin	97		90		30-150	7		30	A
4,4'-DDE	90		82		30-150	9		30	A
4,4'-DDD	101		93		30-150	8		30	A
4,4'-DDT	110		101		30-150	9		30	A
Endosulfan I	87		80		30-150	8		30	A
Endosulfan II	100		91		30-150	9		30	A
Endosulfan sulfate	87		79		30-150	10		30	A
Methoxychlor	111		101		30-150	9		30	A
cis-Chlordane	76		70		30-150	8		30	A
trans-Chlordane	89		82		30-150	8		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01,03,05,07,09,11,13,15,17 Batch: WG1559594-2 WG1559594-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		67		30-150	A
Decachlorobiphenyl	132		121		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		68		30-150	B
Decachlorobiphenyl	125		123		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 07,09 Batch: WG1561226-2 WG1561226-3									
2,4-D	66		66		30-150	0		30	A
2,4,5-T	64		62		30-150	3		30	A
2,4,5-TP (Silvex)	63		61		30-150	3		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	70		69		30-150	A
DCAA	66		63		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 02,04,08,10,12,14,16,18 Batch: WG1562985-2 WG1562985-3									
Delta-BHC	78		71		30-150	9		30	A
Lindane	87		80		30-150	8		30	A
Alpha-BHC	89		81		30-150	9		30	A
Beta-BHC	85		82		30-150	4		30	A
Heptachlor	90		83		30-150	8		30	A
Aldrin	83		76		30-150	9		30	A
Heptachlor epoxide	85		70		30-150	19		30	A
Endrin	90		81		30-150	11		30	A
Endrin aldehyde	70		65		30-150	7		30	A
Endrin ketone	92		82		30-150	11		30	A
Dieldrin	92		83		30-150	10		30	A
4,4'-DDE	84		78		30-150	7		30	A
4,4'-DDD	89		79		30-150	12		30	A
4,4'-DDT	94		85		30-150	10		30	A
Endosulfan I	84		78		30-150	7		30	A
Endosulfan II	90		87		30-150	3		30	A
Endosulfan sulfate	77		69		30-150	11		30	A
Methoxychlor	87		77		30-150	12		30	A
cis-Chlordane	78		71		30-150	9		30	A
trans-Chlordane	89		79		30-150	12		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 02,04,08,10,12,14,16,18 Batch: WG1562985-2 WG1562985-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		64		30-150	A
Decachlorobiphenyl	96		89		30-150	A
2,4,5,6-Tetrachloro-m-xylene	89		80		30-150	B
Decachlorobiphenyl	114		100		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 06 Batch: WG1563729-2 WG1563729-3									
Delta-BHC	65		62		30-150	5		30	A
Lindane	72		68		30-150	6		30	A
Alpha-BHC	71		67		30-150	6		30	A
Beta-BHC	76		72		30-150	5		30	A
Heptachlor	74		71		30-150	4		30	A
Aldrin	72		67		30-150	7		30	A
Heptachlor epoxide	75		62		30-150	19		30	A
Endrin	78		74		30-150	5		30	A
Endrin aldehyde	55		56		30-150	2		30	A
Endrin ketone	60		61		30-150	2		30	A
Dieldrin	77		74		30-150	4		30	A
4,4'-DDE	69		66		30-150	4		30	A
4,4'-DDD	76		73		30-150	4		30	A
4,4'-DDT	75		73		30-150	3		30	A
Endosulfan I	69		66		30-150	4		30	A
Endosulfan II	73		72		30-150	1		30	A
Endosulfan sulfate	54		58		30-150	7		30	A
Methoxychlor	66		67		30-150	2		30	A
cis-Chlordane	58		56		30-150	4		30	A
trans-Chlordane	74		68		30-150	8		30	A

Lab Control Sample Analysis Batch Quality Control

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 06 Batch: WG1563729-2 WG1563729-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		58		30-150	A
Decachlorobiphenyl	71		69		30-150	A
2,4,5,6-Tetrachloro-m-xylene	62		57		30-150	B
Decachlorobiphenyl	69		71		30-150	B

METALS

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156730-01
 Client ID: GRID AA_0-2
 Sample Location: Not Specified

Date Collected: 10/15/21 14:45
 Date Received: 10/15/21
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil
 Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	6760		mg/kg	8.80	2.38	2	10/19/21 08:30	10/20/21 10:49	EPA 3050B	1,6010D	DL
Antimony, Total	ND		mg/kg	4.40	0.334	2	10/19/21 08:30	10/20/21 10:49	EPA 3050B	1,6010D	DL
Arsenic, Total	4.72		mg/kg	0.880	0.183	2	10/19/21 08:30	10/20/21 10:49	EPA 3050B	1,6010D	DL
Barium, Total	13.6		mg/kg	0.880	0.153	2	10/19/21 08:30	10/20/21 10:49	EPA 3050B	1,6010D	DL
Beryllium, Total	0.167	J	mg/kg	0.440	0.029	2	10/19/21 08:30	10/20/21 10:49	EPA 3050B	1,6010D	DL
Cadmium, Total	0.167	J	mg/kg	0.880	0.086	2	10/19/21 08:30	10/20/21 10:49	EPA 3050B	1,6010D	DL
Calcium, Total	94.4		mg/kg	8.80	3.08	2	10/19/21 08:30	10/20/21 10:49	EPA 3050B	1,6010D	DL
Chromium, Total	7.34		mg/kg	0.880	0.085	2	10/19/21 08:30	10/20/21 10:49	EPA 3050B	1,6010D	DL
Cobalt, Total	2.52		mg/kg	1.76	0.146	2	10/19/21 08:30	10/20/21 10:49	EPA 3050B	1,6010D	DL
Copper, Total	5.34		mg/kg	0.880	0.227	2	10/19/21 08:30	10/20/21 10:49	EPA 3050B	1,6010D	DL
Iron, Total	7370		mg/kg	4.40	0.794	2	10/19/21 08:30	10/20/21 10:49	EPA 3050B	1,6010D	DL
Lead, Total	4.74		mg/kg	4.40	0.236	2	10/19/21 08:30	10/20/21 10:49	EPA 3050B	1,6010D	DL
Magnesium, Total	899		mg/kg	8.80	1.36	2	10/19/21 08:30	10/20/21 10:49	EPA 3050B	1,6010D	DL
Manganese, Total	49.2		mg/kg	0.880	0.140	2	10/19/21 08:30	10/20/21 10:49	EPA 3050B	1,6010D	DL
Mercury, Total	ND		mg/kg	0.072	0.047	1	10/19/21 10:00	10/20/21 18:04	EPA 7471B	1,7471B	AC
Nickel, Total	4.00		mg/kg	2.20	0.213	2	10/19/21 08:30	10/20/21 10:49	EPA 3050B	1,6010D	DL
Potassium, Total	194	J	mg/kg	220	12.7	2	10/19/21 08:30	10/20/21 10:49	EPA 3050B	1,6010D	DL
Selenium, Total	ND		mg/kg	1.76	0.227	2	10/19/21 08:30	10/20/21 10:49	EPA 3050B	1,6010D	DL
Silver, Total	ND		mg/kg	0.880	0.249	2	10/19/21 08:30	10/20/21 10:49	EPA 3050B	1,6010D	DL
Sodium, Total	19.5	J	mg/kg	176	2.77	2	10/19/21 08:30	10/20/21 10:49	EPA 3050B	1,6010D	DL
Thallium, Total	ND		mg/kg	1.76	0.277	2	10/19/21 08:30	10/20/21 10:49	EPA 3050B	1,6010D	DL
Vanadium, Total	12.1		mg/kg	0.880	0.179	2	10/19/21 08:30	10/20/21 10:49	EPA 3050B	1,6010D	DL
Zinc, Total	11.1		mg/kg	4.40	0.258	2	10/19/21 08:30	10/20/21 10:49	EPA 3050B	1,6010D	DL



Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156730-03
 Client ID: GRID AB_0-2
 Sample Location: Not Specified

Date Collected: 10/15/21 12:06
 Date Received: 10/15/21
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil
 Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	4420		mg/kg	8.36	2.26	2	10/19/21 08:30	10/20/21 10:53	EPA 3050B	1,6010D	DL
Antimony, Total	ND		mg/kg	4.18	0.318	2	10/19/21 08:30	10/20/21 10:53	EPA 3050B	1,6010D	DL
Arsenic, Total	9.35		mg/kg	0.836	0.174	2	10/19/21 08:30	10/20/21 10:53	EPA 3050B	1,6010D	DL
Barium, Total	26.5		mg/kg	0.836	0.145	2	10/19/21 08:30	10/20/21 10:53	EPA 3050B	1,6010D	DL
Beryllium, Total	0.109	J	mg/kg	0.418	0.028	2	10/19/21 08:30	10/20/21 10:53	EPA 3050B	1,6010D	DL
Cadmium, Total	0.217	J	mg/kg	0.836	0.082	2	10/19/21 08:30	10/20/21 10:53	EPA 3050B	1,6010D	DL
Calcium, Total	3190		mg/kg	8.36	2.92	2	10/19/21 08:30	10/20/21 10:53	EPA 3050B	1,6010D	DL
Chromium, Total	6.12		mg/kg	0.836	0.080	2	10/19/21 08:30	10/20/21 10:53	EPA 3050B	1,6010D	DL
Cobalt, Total	1.70		mg/kg	1.67	0.139	2	10/19/21 08:30	10/20/21 10:53	EPA 3050B	1,6010D	DL
Copper, Total	11.9		mg/kg	0.836	0.216	2	10/19/21 08:30	10/20/21 10:53	EPA 3050B	1,6010D	DL
Iron, Total	6480		mg/kg	4.18	0.754	2	10/19/21 08:30	10/20/21 10:53	EPA 3050B	1,6010D	DL
Lead, Total	31.2		mg/kg	4.18	0.224	2	10/19/21 08:30	10/20/21 10:53	EPA 3050B	1,6010D	DL
Magnesium, Total	1040		mg/kg	8.36	1.29	2	10/19/21 08:30	10/20/21 10:53	EPA 3050B	1,6010D	DL
Manganese, Total	79.0		mg/kg	0.836	0.133	2	10/19/21 08:30	10/20/21 10:53	EPA 3050B	1,6010D	DL
Mercury, Total	0.086		mg/kg	0.069	0.045	1	10/19/21 10:00	10/20/21 18:07	EPA 7471B	1,7471B	AC
Nickel, Total	4.18		mg/kg	2.09	0.202	2	10/19/21 08:30	10/20/21 10:53	EPA 3050B	1,6010D	DL
Potassium, Total	236		mg/kg	209	12.0	2	10/19/21 08:30	10/20/21 10:53	EPA 3050B	1,6010D	DL
Selenium, Total	ND		mg/kg	1.67	0.216	2	10/19/21 08:30	10/20/21 10:53	EPA 3050B	1,6010D	DL
Silver, Total	ND		mg/kg	0.836	0.236	2	10/19/21 08:30	10/20/21 10:53	EPA 3050B	1,6010D	DL
Sodium, Total	34.0	J	mg/kg	167	2.63	2	10/19/21 08:30	10/20/21 10:53	EPA 3050B	1,6010D	DL
Thallium, Total	ND		mg/kg	1.67	0.263	2	10/19/21 08:30	10/20/21 10:53	EPA 3050B	1,6010D	DL
Vanadium, Total	10.1		mg/kg	0.836	0.170	2	10/19/21 08:30	10/20/21 10:53	EPA 3050B	1,6010D	DL
Zinc, Total	25.5		mg/kg	4.18	0.245	2	10/19/21 08:30	10/20/21 10:53	EPA 3050B	1,6010D	DL



Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156730-05
 Client ID: GRID AC_0-2
 Sample Location: Not Specified

Date Collected: 10/15/21 11:24
 Date Received: 10/15/21
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil
 Percent Solids: 94%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	6230		mg/kg	8.32	2.24	2	10/19/21 08:30	10/20/21 10:57	EPA 3050B	1,6010D	DL
Antimony, Total	ND		mg/kg	4.16	0.316	2	10/19/21 08:30	10/20/21 10:57	EPA 3050B	1,6010D	DL
Arsenic, Total	17.6		mg/kg	0.832	0.173	2	10/19/21 08:30	10/20/21 10:57	EPA 3050B	1,6010D	DL
Barium, Total	12.2		mg/kg	0.832	0.145	2	10/19/21 08:30	10/20/21 10:57	EPA 3050B	1,6010D	DL
Beryllium, Total	0.10	J	mg/kg	0.416	0.027	2	10/19/21 08:30	10/20/21 10:57	EPA 3050B	1,6010D	DL
Cadmium, Total	0.141	J	mg/kg	0.832	0.082	2	10/19/21 08:30	10/20/21 10:57	EPA 3050B	1,6010D	DL
Calcium, Total	485		mg/kg	8.32	2.91	2	10/19/21 08:30	10/20/21 10:57	EPA 3050B	1,6010D	DL
Chromium, Total	6.44		mg/kg	0.832	0.080	2	10/19/21 08:30	10/20/21 10:57	EPA 3050B	1,6010D	DL
Cobalt, Total	0.990	J	mg/kg	1.66	0.138	2	10/19/21 08:30	10/20/21 10:57	EPA 3050B	1,6010D	DL
Copper, Total	10.5		mg/kg	0.832	0.214	2	10/19/21 08:30	10/20/21 10:57	EPA 3050B	1,6010D	DL
Iron, Total	6190		mg/kg	4.16	0.751	2	10/19/21 08:30	10/20/21 10:57	EPA 3050B	1,6010D	DL
Lead, Total	11.3		mg/kg	4.16	0.223	2	10/19/21 08:30	10/20/21 10:57	EPA 3050B	1,6010D	DL
Magnesium, Total	475		mg/kg	8.32	1.28	2	10/19/21 08:30	10/20/21 10:57	EPA 3050B	1,6010D	DL
Manganese, Total	23.7		mg/kg	0.832	0.132	2	10/19/21 08:30	10/20/21 10:57	EPA 3050B	1,6010D	DL
Mercury, Total	ND		mg/kg	0.068	0.045	1	10/19/21 10:00	10/20/21 18:17	EPA 7471B	1,7471B	AC
Nickel, Total	2.35		mg/kg	2.08	0.201	2	10/19/21 08:30	10/20/21 10:57	EPA 3050B	1,6010D	DL
Potassium, Total	108	J	mg/kg	208	12.0	2	10/19/21 08:30	10/20/21 10:57	EPA 3050B	1,6010D	DL
Selenium, Total	ND		mg/kg	1.66	0.214	2	10/19/21 08:30	10/20/21 10:57	EPA 3050B	1,6010D	DL
Silver, Total	ND		mg/kg	0.832	0.235	2	10/19/21 08:30	10/20/21 10:57	EPA 3050B	1,6010D	DL
Sodium, Total	19.0	J	mg/kg	166	2.62	2	10/19/21 08:30	10/20/21 10:57	EPA 3050B	1,6010D	DL
Thallium, Total	ND		mg/kg	1.66	0.262	2	10/19/21 08:30	10/20/21 10:57	EPA 3050B	1,6010D	DL
Vanadium, Total	10.5		mg/kg	0.832	0.169	2	10/19/21 08:30	10/20/21 10:57	EPA 3050B	1,6010D	DL
Zinc, Total	9.64		mg/kg	4.16	0.244	2	10/19/21 08:30	10/20/21 10:57	EPA 3050B	1,6010D	DL



Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156730-06
 Client ID: GRID AC_18-24
 Sample Location: Not Specified

Date Collected: 10/15/21 11:24
 Date Received: 10/15/21
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil
 Percent Solids: 78%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	4910		mg/kg	9.95	2.69	2	10/27/21 06:20	10/27/21 17:04	EPA 3050B	1,6010D	DL
Antimony, Total	ND		mg/kg	4.97	0.378	2	10/27/21 06:20	10/27/21 17:04	EPA 3050B	1,6010D	DL
Arsenic, Total	3.58		mg/kg	0.995	0.207	2	10/27/21 06:20	10/27/21 17:04	EPA 3050B	1,6010D	DL
Barium, Total	16.6		mg/kg	0.995	0.173	2	10/27/21 06:20	10/27/21 17:04	EPA 3050B	1,6010D	DL
Beryllium, Total	0.119	J	mg/kg	0.497	0.033	2	10/27/21 06:20	10/27/21 17:04	EPA 3050B	1,6010D	DL
Cadmium, Total	ND		mg/kg	0.995	0.098	2	10/27/21 06:20	10/27/21 17:04	EPA 3050B	1,6010D	DL
Calcium, Total	305		mg/kg	9.95	3.48	2	10/27/21 06:20	10/27/21 17:04	EPA 3050B	1,6010D	DL
Chromium, Total	6.07		mg/kg	0.995	0.096	2	10/27/21 06:20	10/27/21 17:04	EPA 3050B	1,6010D	DL
Cobalt, Total	1.80	J	mg/kg	1.99	0.165	2	10/27/21 06:20	10/27/21 17:04	EPA 3050B	1,6010D	DL
Copper, Total	4.84		mg/kg	0.995	0.257	2	10/27/21 06:20	10/27/21 17:04	EPA 3050B	1,6010D	DL
Iron, Total	6170		mg/kg	4.97	0.898	2	10/27/21 06:20	10/27/21 17:04	EPA 3050B	1,6010D	DL
Lead, Total	10.0		mg/kg	4.97	0.267	2	10/27/21 06:20	10/27/21 17:04	EPA 3050B	1,6010D	DL
Magnesium, Total	608		mg/kg	9.95	1.53	2	10/27/21 06:20	10/27/21 17:04	EPA 3050B	1,6010D	DL
Manganese, Total	31.9		mg/kg	0.995	0.158	2	10/27/21 06:20	10/27/21 17:04	EPA 3050B	1,6010D	DL
Mercury, Total	ND		mg/kg	0.080	0.052	1	10/27/21 09:55	10/27/21 13:58	EPA 7471B	1,7471B	AC
Nickel, Total	3.19		mg/kg	2.49	0.241	2	10/27/21 06:20	10/27/21 17:04	EPA 3050B	1,6010D	DL
Potassium, Total	148	J	mg/kg	249	14.3	2	10/27/21 06:20	10/27/21 17:04	EPA 3050B	1,6010D	DL
Selenium, Total	ND		mg/kg	1.99	0.257	2	10/27/21 06:20	10/27/21 17:04	EPA 3050B	1,6010D	DL
Silver, Total	ND		mg/kg	0.995	0.282	2	10/27/21 06:20	10/27/21 17:04	EPA 3050B	1,6010D	DL
Sodium, Total	24.5	J	mg/kg	199	3.13	2	10/27/21 06:20	10/27/21 17:04	EPA 3050B	1,6010D	DL
Thallium, Total	ND		mg/kg	1.99	0.313	2	10/27/21 06:20	10/27/21 17:04	EPA 3050B	1,6010D	DL
Vanadium, Total	9.99		mg/kg	0.995	0.202	2	10/27/21 06:20	10/27/21 17:04	EPA 3050B	1,6010D	DL
Zinc, Total	13.2		mg/kg	4.97	0.292	2	10/27/21 06:20	10/27/21 17:04	EPA 3050B	1,6010D	DL



Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156730-07
 Client ID: GRID AD_0-2
 Sample Location: Not Specified

Date Collected: 10/15/21 09:05
 Date Received: 10/15/21
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil
 Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5010		mg/kg	8.49	2.29	2	10/19/21 08:30	10/20/21 11:02	EPA 3050B	1,6010D	DL
Antimony, Total	ND		mg/kg	4.24	0.323	2	10/19/21 08:30	10/20/21 11:02	EPA 3050B	1,6010D	DL
Arsenic, Total	14.8		mg/kg	0.849	0.177	2	10/19/21 08:30	10/20/21 11:02	EPA 3050B	1,6010D	DL
Barium, Total	33.2		mg/kg	0.849	0.148	2	10/19/21 08:30	10/20/21 11:02	EPA 3050B	1,6010D	DL
Beryllium, Total	0.153	J	mg/kg	0.424	0.028	2	10/19/21 08:30	10/20/21 11:02	EPA 3050B	1,6010D	DL
Cadmium, Total	0.331	J	mg/kg	0.849	0.083	2	10/19/21 08:30	10/20/21 11:02	EPA 3050B	1,6010D	DL
Calcium, Total	5460		mg/kg	8.49	2.97	2	10/19/21 08:30	10/20/21 11:02	EPA 3050B	1,6010D	DL
Chromium, Total	8.00		mg/kg	0.849	0.082	2	10/19/21 08:30	10/20/21 11:02	EPA 3050B	1,6010D	DL
Cobalt, Total	2.20		mg/kg	1.70	0.141	2	10/19/21 08:30	10/20/21 11:02	EPA 3050B	1,6010D	DL
Copper, Total	19.1		mg/kg	0.849	0.219	2	10/19/21 08:30	10/20/21 11:02	EPA 3050B	1,6010D	DL
Iron, Total	7720		mg/kg	4.24	0.767	2	10/19/21 08:30	10/20/21 11:02	EPA 3050B	1,6010D	DL
Lead, Total	44.1		mg/kg	4.24	0.228	2	10/19/21 08:30	10/20/21 11:02	EPA 3050B	1,6010D	DL
Magnesium, Total	1720		mg/kg	8.49	1.31	2	10/19/21 08:30	10/20/21 11:02	EPA 3050B	1,6010D	DL
Manganese, Total	86.1		mg/kg	0.849	0.135	2	10/19/21 08:30	10/20/21 11:02	EPA 3050B	1,6010D	DL
Mercury, Total	0.083		mg/kg	0.069	0.045	1	10/19/21 10:00	10/20/21 18:21	EPA 7471B	1,7471B	AC
Nickel, Total	5.45		mg/kg	2.12	0.206	2	10/19/21 08:30	10/20/21 11:02	EPA 3050B	1,6010D	DL
Potassium, Total	287		mg/kg	212	12.2	2	10/19/21 08:30	10/20/21 11:02	EPA 3050B	1,6010D	DL
Selenium, Total	ND		mg/kg	1.70	0.219	2	10/19/21 08:30	10/20/21 11:02	EPA 3050B	1,6010D	DL
Silver, Total	ND		mg/kg	0.849	0.240	2	10/19/21 08:30	10/20/21 11:02	EPA 3050B	1,6010D	DL
Sodium, Total	116	J	mg/kg	170	2.67	2	10/19/21 08:30	10/20/21 11:02	EPA 3050B	1,6010D	DL
Thallium, Total	ND		mg/kg	1.70	0.267	2	10/19/21 08:30	10/20/21 11:02	EPA 3050B	1,6010D	DL
Vanadium, Total	11.9		mg/kg	0.849	0.172	2	10/19/21 08:30	10/20/21 11:02	EPA 3050B	1,6010D	DL
Zinc, Total	40.0		mg/kg	4.24	0.249	2	10/19/21 08:30	10/20/21 11:02	EPA 3050B	1,6010D	DL



Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156730-08
 Client ID: GRID AD_18-24
 Sample Location: Not Specified

Date Collected: 10/15/21 09:05
 Date Received: 10/15/21
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil
 Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	9630		mg/kg	8.45	2.28	2	10/27/21 06:20	10/27/21 17:08	EPA 3050B	1,6010D	DL
Antimony, Total	ND		mg/kg	4.22	0.321	2	10/27/21 06:20	10/27/21 17:08	EPA 3050B	1,6010D	DL
Arsenic, Total	7.71		mg/kg	0.845	0.176	2	10/27/21 06:20	10/27/21 17:08	EPA 3050B	1,6010D	DL
Barium, Total	34.9		mg/kg	0.845	0.147	2	10/27/21 06:20	10/27/21 17:08	EPA 3050B	1,6010D	DL
Beryllium, Total	0.262	J	mg/kg	0.422	0.028	2	10/27/21 06:20	10/27/21 17:08	EPA 3050B	1,6010D	DL
Cadmium, Total	0.194	J	mg/kg	0.845	0.083	2	10/27/21 06:20	10/27/21 17:08	EPA 3050B	1,6010D	DL
Calcium, Total	3360		mg/kg	8.45	2.96	2	10/27/21 06:20	10/27/21 17:08	EPA 3050B	1,6010D	DL
Chromium, Total	11.6		mg/kg	0.845	0.081	2	10/27/21 06:20	10/27/21 17:08	EPA 3050B	1,6010D	DL
Cobalt, Total	3.80		mg/kg	1.69	0.140	2	10/27/21 06:20	10/27/21 17:08	EPA 3050B	1,6010D	DL
Copper, Total	12.6		mg/kg	0.845	0.218	2	10/27/21 06:20	10/27/21 17:08	EPA 3050B	1,6010D	DL
Iron, Total	10900		mg/kg	4.22	0.763	2	10/27/21 06:20	10/27/21 17:08	EPA 3050B	1,6010D	DL
Lead, Total	34.1		mg/kg	4.22	0.226	2	10/27/21 06:20	10/27/21 17:08	EPA 3050B	1,6010D	DL
Magnesium, Total	1520		mg/kg	8.45	1.30	2	10/27/21 06:20	10/27/21 17:08	EPA 3050B	1,6010D	DL
Manganese, Total	97.8		mg/kg	0.845	0.134	2	10/27/21 06:20	10/27/21 17:08	EPA 3050B	1,6010D	DL
Mercury, Total	0.062	J	mg/kg	0.071	0.046	1	10/27/21 09:55	10/27/21 14:02	EPA 7471B	1,7471B	AC
Nickel, Total	8.07		mg/kg	2.11	0.204	2	10/27/21 06:20	10/27/21 17:08	EPA 3050B	1,6010D	DL
Potassium, Total	378		mg/kg	211	12.2	2	10/27/21 06:20	10/27/21 17:08	EPA 3050B	1,6010D	DL
Selenium, Total	0.600	J	mg/kg	1.69	0.218	2	10/27/21 06:20	10/27/21 17:08	EPA 3050B	1,6010D	DL
Silver, Total	ND		mg/kg	0.845	0.239	2	10/27/21 06:20	10/27/21 17:08	EPA 3050B	1,6010D	DL
Sodium, Total	45.5	J	mg/kg	169	2.66	2	10/27/21 06:20	10/27/21 17:08	EPA 3050B	1,6010D	DL
Thallium, Total	ND		mg/kg	1.69	0.266	2	10/27/21 06:20	10/27/21 17:08	EPA 3050B	1,6010D	DL
Vanadium, Total	17.9		mg/kg	0.845	0.172	2	10/27/21 06:20	10/27/21 17:08	EPA 3050B	1,6010D	DL
Zinc, Total	36.6		mg/kg	4.22	0.248	2	10/27/21 06:20	10/27/21 17:08	EPA 3050B	1,6010D	DL



Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156730-09
 Client ID: GRID L_0-2
 Sample Location: Not Specified

Date Collected: 10/15/21 14:01
 Date Received: 10/15/21
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil
 Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5520		mg/kg	8.40	2.27	2	10/19/21 08:30	10/20/21 11:06	EPA 3050B	1,6010D	DL
Antimony, Total	ND		mg/kg	4.20	0.319	2	10/19/21 08:30	10/20/21 11:06	EPA 3050B	1,6010D	DL
Arsenic, Total	24.0		mg/kg	0.840	0.175	2	10/19/21 08:30	10/20/21 11:06	EPA 3050B	1,6010D	DL
Barium, Total	9.56		mg/kg	0.840	0.146	2	10/19/21 08:30	10/20/21 11:06	EPA 3050B	1,6010D	DL
Beryllium, Total	0.109	J	mg/kg	0.420	0.028	2	10/19/21 08:30	10/20/21 11:06	EPA 3050B	1,6010D	DL
Cadmium, Total	0.151	J	mg/kg	0.840	0.082	2	10/19/21 08:30	10/20/21 11:06	EPA 3050B	1,6010D	DL
Calcium, Total	481		mg/kg	8.40	2.94	2	10/19/21 08:30	10/20/21 11:06	EPA 3050B	1,6010D	DL
Chromium, Total	5.62		mg/kg	0.840	0.081	2	10/19/21 08:30	10/20/21 11:06	EPA 3050B	1,6010D	DL
Cobalt, Total	0.613	J	mg/kg	1.68	0.139	2	10/19/21 08:30	10/20/21 11:06	EPA 3050B	1,6010D	DL
Copper, Total	17.9		mg/kg	0.840	0.217	2	10/19/21 08:30	10/20/21 11:06	EPA 3050B	1,6010D	DL
Iron, Total	5080		mg/kg	4.20	0.758	2	10/19/21 08:30	10/20/21 11:06	EPA 3050B	1,6010D	DL
Lead, Total	7.81		mg/kg	4.20	0.225	2	10/19/21 08:30	10/20/21 11:06	EPA 3050B	1,6010D	DL
Magnesium, Total	334		mg/kg	8.40	1.29	2	10/19/21 08:30	10/20/21 11:06	EPA 3050B	1,6010D	DL
Manganese, Total	15.3		mg/kg	0.840	0.134	2	10/19/21 08:30	10/20/21 11:06	EPA 3050B	1,6010D	DL
Mercury, Total	ND		mg/kg	0.068	0.044	1	10/19/21 10:00	10/20/21 18:24	EPA 7471B	1,7471B	AC
Nickel, Total	1.78	J	mg/kg	2.10	0.203	2	10/19/21 08:30	10/20/21 11:06	EPA 3050B	1,6010D	DL
Potassium, Total	132	J	mg/kg	210	12.1	2	10/19/21 08:30	10/20/21 11:06	EPA 3050B	1,6010D	DL
Selenium, Total	ND		mg/kg	1.68	0.217	2	10/19/21 08:30	10/20/21 11:06	EPA 3050B	1,6010D	DL
Silver, Total	ND		mg/kg	0.840	0.238	2	10/19/21 08:30	10/20/21 11:06	EPA 3050B	1,6010D	DL
Sodium, Total	17.1	J	mg/kg	168	2.64	2	10/19/21 08:30	10/20/21 11:06	EPA 3050B	1,6010D	DL
Thallium, Total	ND		mg/kg	1.68	0.264	2	10/19/21 08:30	10/20/21 11:06	EPA 3050B	1,6010D	DL
Vanadium, Total	9.13		mg/kg	0.840	0.170	2	10/19/21 08:30	10/20/21 11:06	EPA 3050B	1,6010D	DL
Zinc, Total	7.43		mg/kg	4.20	0.246	2	10/19/21 08:30	10/20/21 11:06	EPA 3050B	1,6010D	DL



Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156730-10
 Client ID: GRID L_18-24
 Sample Location: Not Specified

Date Collected: 10/15/21 14:01
 Date Received: 10/15/21
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil
 Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	6750		mg/kg	8.29	2.24	2	10/27/21 06:20	10/27/21 17:13	EPA 3050B	1,6010D	DL
Antimony, Total	ND		mg/kg	4.14	0.315	2	10/27/21 06:20	10/27/21 17:13	EPA 3050B	1,6010D	DL
Arsenic, Total	5.94		mg/kg	0.829	0.172	2	10/27/21 06:20	10/27/21 17:13	EPA 3050B	1,6010D	DL
Barium, Total	10.9		mg/kg	0.829	0.144	2	10/27/21 06:20	10/27/21 17:13	EPA 3050B	1,6010D	DL
Beryllium, Total	0.133	J	mg/kg	0.414	0.027	2	10/27/21 06:20	10/27/21 17:13	EPA 3050B	1,6010D	DL
Cadmium, Total	ND		mg/kg	0.829	0.081	2	10/27/21 06:20	10/27/21 17:13	EPA 3050B	1,6010D	DL
Calcium, Total	204		mg/kg	8.29	2.90	2	10/27/21 06:20	10/27/21 17:13	EPA 3050B	1,6010D	DL
Chromium, Total	6.80		mg/kg	0.829	0.080	2	10/27/21 06:20	10/27/21 17:13	EPA 3050B	1,6010D	DL
Cobalt, Total	1.56	J	mg/kg	1.66	0.138	2	10/27/21 06:20	10/27/21 17:13	EPA 3050B	1,6010D	DL
Copper, Total	6.03		mg/kg	0.829	0.214	2	10/27/21 06:20	10/27/21 17:13	EPA 3050B	1,6010D	DL
Iron, Total	5380		mg/kg	4.14	0.748	2	10/27/21 06:20	10/27/21 17:13	EPA 3050B	1,6010D	DL
Lead, Total	3.73	J	mg/kg	4.14	0.222	2	10/27/21 06:20	10/27/21 17:13	EPA 3050B	1,6010D	DL
Magnesium, Total	699		mg/kg	8.29	1.28	2	10/27/21 06:20	10/27/21 17:13	EPA 3050B	1,6010D	DL
Manganese, Total	30.8		mg/kg	0.829	0.132	2	10/27/21 06:20	10/27/21 17:13	EPA 3050B	1,6010D	DL
Mercury, Total	ND		mg/kg	0.069	0.045	1	10/27/21 09:55	10/27/21 14:05	EPA 7471B	1,7471B	AC
Nickel, Total	3.90		mg/kg	2.07	0.200	2	10/27/21 06:20	10/27/21 17:13	EPA 3050B	1,6010D	DL
Potassium, Total	137	J	mg/kg	207	11.9	2	10/27/21 06:20	10/27/21 17:13	EPA 3050B	1,6010D	DL
Selenium, Total	0.265	J	mg/kg	1.66	0.214	2	10/27/21 06:20	10/27/21 17:13	EPA 3050B	1,6010D	DL
Silver, Total	ND		mg/kg	0.829	0.234	2	10/27/21 06:20	10/27/21 17:13	EPA 3050B	1,6010D	DL
Sodium, Total	22.8	J	mg/kg	166	2.61	2	10/27/21 06:20	10/27/21 17:13	EPA 3050B	1,6010D	DL
Thallium, Total	ND		mg/kg	1.66	0.261	2	10/27/21 06:20	10/27/21 17:13	EPA 3050B	1,6010D	DL
Vanadium, Total	9.37		mg/kg	0.829	0.168	2	10/27/21 06:20	10/27/21 17:13	EPA 3050B	1,6010D	DL
Zinc, Total	11.5		mg/kg	4.14	0.243	2	10/27/21 06:20	10/27/21 17:13	EPA 3050B	1,6010D	DL



Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156730-11
 Client ID: GRID M_0-2
 Sample Location: Not Specified

Date Collected: 10/15/21 13:30
 Date Received: 10/15/21
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil
 Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	6180		mg/kg	9.23	2.49	2	10/19/21 08:30	10/20/21 11:10	EPA 3050B	1,6010D	DL
Antimony, Total	ND		mg/kg	4.61	0.351	2	10/19/21 08:30	10/20/21 11:10	EPA 3050B	1,6010D	DL
Arsenic, Total	23.8		mg/kg	0.923	0.192	2	10/19/21 08:30	10/20/21 11:10	EPA 3050B	1,6010D	DL
Barium, Total	9.93		mg/kg	0.923	0.160	2	10/19/21 08:30	10/20/21 11:10	EPA 3050B	1,6010D	DL
Beryllium, Total	0.129	J	mg/kg	0.461	0.030	2	10/19/21 08:30	10/20/21 11:10	EPA 3050B	1,6010D	DL
Cadmium, Total	0.194	J	mg/kg	0.923	0.090	2	10/19/21 08:30	10/20/21 11:10	EPA 3050B	1,6010D	DL
Calcium, Total	454		mg/kg	9.23	3.23	2	10/19/21 08:30	10/20/21 11:10	EPA 3050B	1,6010D	DL
Chromium, Total	7.17		mg/kg	0.923	0.089	2	10/19/21 08:30	10/20/21 11:10	EPA 3050B	1,6010D	DL
Cobalt, Total	1.06	J	mg/kg	1.84	0.153	2	10/19/21 08:30	10/20/21 11:10	EPA 3050B	1,6010D	DL
Copper, Total	16.2		mg/kg	0.923	0.238	2	10/19/21 08:30	10/20/21 11:10	EPA 3050B	1,6010D	DL
Iron, Total	6960		mg/kg	4.61	0.833	2	10/19/21 08:30	10/20/21 11:10	EPA 3050B	1,6010D	DL
Lead, Total	8.07		mg/kg	4.61	0.247	2	10/19/21 08:30	10/20/21 11:10	EPA 3050B	1,6010D	DL
Magnesium, Total	463		mg/kg	9.23	1.42	2	10/19/21 08:30	10/20/21 11:10	EPA 3050B	1,6010D	DL
Manganese, Total	26.8		mg/kg	0.923	0.147	2	10/19/21 08:30	10/20/21 11:10	EPA 3050B	1,6010D	DL
Mercury, Total	ND		mg/kg	0.074	0.048	1	10/19/21 10:00	10/20/21 18:27	EPA 7471B	1,7471B	AC
Nickel, Total	2.19	J	mg/kg	2.31	0.223	2	10/19/21 08:30	10/20/21 11:10	EPA 3050B	1,6010D	DL
Potassium, Total	186	J	mg/kg	231	13.3	2	10/19/21 08:30	10/20/21 11:10	EPA 3050B	1,6010D	DL
Selenium, Total	ND		mg/kg	1.84	0.238	2	10/19/21 08:30	10/20/21 11:10	EPA 3050B	1,6010D	DL
Silver, Total	ND		mg/kg	0.923	0.261	2	10/19/21 08:30	10/20/21 11:10	EPA 3050B	1,6010D	DL
Sodium, Total	17.4	J	mg/kg	184	2.91	2	10/19/21 08:30	10/20/21 11:10	EPA 3050B	1,6010D	DL
Thallium, Total	ND		mg/kg	1.84	0.291	2	10/19/21 08:30	10/20/21 11:10	EPA 3050B	1,6010D	DL
Vanadium, Total	11.7		mg/kg	0.923	0.187	2	10/19/21 08:30	10/20/21 11:10	EPA 3050B	1,6010D	DL
Zinc, Total	9.07		mg/kg	4.61	0.270	2	10/19/21 08:30	10/20/21 11:10	EPA 3050B	1,6010D	DL



Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156730-12
 Client ID: GRID M_18-24
 Sample Location: Not Specified

Date Collected: 10/15/21 13:30
 Date Received: 10/15/21
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil
 Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	7930		mg/kg	8.56	2.31	2	10/27/21 06:20	10/27/21 17:17	EPA 3050B	1,6010D	DL
Antimony, Total	ND		mg/kg	4.28	0.325	2	10/27/21 06:20	10/27/21 17:17	EPA 3050B	1,6010D	DL
Arsenic, Total	9.31		mg/kg	0.856	0.178	2	10/27/21 06:20	10/27/21 17:17	EPA 3050B	1,6010D	DL
Barium, Total	12.4		mg/kg	0.856	0.149	2	10/27/21 06:20	10/27/21 17:17	EPA 3050B	1,6010D	DL
Beryllium, Total	0.188	J	mg/kg	0.428	0.028	2	10/27/21 06:20	10/27/21 17:17	EPA 3050B	1,6010D	DL
Cadmium, Total	0.094	J	mg/kg	0.856	0.084	2	10/27/21 06:20	10/27/21 17:17	EPA 3050B	1,6010D	DL
Calcium, Total	225		mg/kg	8.56	3.00	2	10/27/21 06:20	10/27/21 17:17	EPA 3050B	1,6010D	DL
Chromium, Total	8.25		mg/kg	0.856	0.082	2	10/27/21 06:20	10/27/21 17:17	EPA 3050B	1,6010D	DL
Cobalt, Total	2.35		mg/kg	1.71	0.142	2	10/27/21 06:20	10/27/21 17:17	EPA 3050B	1,6010D	DL
Copper, Total	6.26		mg/kg	0.856	0.221	2	10/27/21 06:20	10/27/21 17:17	EPA 3050B	1,6010D	DL
Iron, Total	7880		mg/kg	4.28	0.773	2	10/27/21 06:20	10/27/21 17:17	EPA 3050B	1,6010D	DL
Lead, Total	5.24		mg/kg	4.28	0.229	2	10/27/21 06:20	10/27/21 17:17	EPA 3050B	1,6010D	DL
Magnesium, Total	812		mg/kg	8.56	1.32	2	10/27/21 06:20	10/27/21 17:17	EPA 3050B	1,6010D	DL
Manganese, Total	42.1		mg/kg	0.856	0.136	2	10/27/21 06:20	10/27/21 17:17	EPA 3050B	1,6010D	DL
Mercury, Total	ND		mg/kg	0.069	0.045	1	10/27/21 09:55	10/27/21 14:08	EPA 7471B	1,7471B	AC
Nickel, Total	4.17		mg/kg	2.14	0.207	2	10/27/21 06:20	10/27/21 17:17	EPA 3050B	1,6010D	DL
Potassium, Total	173	J	mg/kg	214	12.3	2	10/27/21 06:20	10/27/21 17:17	EPA 3050B	1,6010D	DL
Selenium, Total	0.394	J	mg/kg	1.71	0.221	2	10/27/21 06:20	10/27/21 17:17	EPA 3050B	1,6010D	DL
Silver, Total	ND		mg/kg	0.856	0.242	2	10/27/21 06:20	10/27/21 17:17	EPA 3050B	1,6010D	DL
Sodium, Total	24.0	J	mg/kg	171	2.70	2	10/27/21 06:20	10/27/21 17:17	EPA 3050B	1,6010D	DL
Thallium, Total	ND		mg/kg	1.71	0.270	2	10/27/21 06:20	10/27/21 17:17	EPA 3050B	1,6010D	DL
Vanadium, Total	13.5		mg/kg	0.856	0.174	2	10/27/21 06:20	10/27/21 17:17	EPA 3050B	1,6010D	DL
Zinc, Total	12.4		mg/kg	4.28	0.251	2	10/27/21 06:20	10/27/21 17:17	EPA 3050B	1,6010D	DL



Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156730-13
 Client ID: GRID N_0-2
 Sample Location: Not Specified

Date Collected: 10/15/21 10:20
 Date Received: 10/15/21
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil
 Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	6140		mg/kg	8.65	2.34	2	10/19/21 08:30	10/20/21 11:15	EPA 3050B	1,6010D	DL
Antimony, Total	ND		mg/kg	4.32	0.329	2	10/19/21 08:30	10/20/21 11:15	EPA 3050B	1,6010D	DL
Arsenic, Total	25.5		mg/kg	0.865	0.180	2	10/19/21 08:30	10/20/21 11:15	EPA 3050B	1,6010D	DL
Barium, Total	10.0		mg/kg	0.865	0.150	2	10/19/21 08:30	10/20/21 11:15	EPA 3050B	1,6010D	DL
Beryllium, Total	0.147	J	mg/kg	0.432	0.029	2	10/19/21 08:30	10/20/21 11:15	EPA 3050B	1,6010D	DL
Cadmium, Total	0.199	J	mg/kg	0.865	0.085	2	10/19/21 08:30	10/20/21 11:15	EPA 3050B	1,6010D	DL
Calcium, Total	368		mg/kg	8.65	3.03	2	10/19/21 08:30	10/20/21 11:15	EPA 3050B	1,6010D	DL
Chromium, Total	6.70		mg/kg	0.865	0.083	2	10/19/21 08:30	10/20/21 11:15	EPA 3050B	1,6010D	DL
Cobalt, Total	1.22	J	mg/kg	1.73	0.144	2	10/19/21 08:30	10/20/21 11:15	EPA 3050B	1,6010D	DL
Copper, Total	17.6		mg/kg	0.865	0.223	2	10/19/21 08:30	10/20/21 11:15	EPA 3050B	1,6010D	DL
Iron, Total	7380		mg/kg	4.32	0.781	2	10/19/21 08:30	10/20/21 11:15	EPA 3050B	1,6010D	DL
Lead, Total	9.26		mg/kg	4.32	0.232	2	10/19/21 08:30	10/20/21 11:15	EPA 3050B	1,6010D	DL
Magnesium, Total	502		mg/kg	8.65	1.33	2	10/19/21 08:30	10/20/21 11:15	EPA 3050B	1,6010D	DL
Manganese, Total	33.5		mg/kg	0.865	0.138	2	10/19/21 08:30	10/20/21 11:15	EPA 3050B	1,6010D	DL
Mercury, Total	ND		mg/kg	0.069	0.045	1	10/19/21 10:00	10/20/21 18:31	EPA 7471B	1,7471B	AC
Nickel, Total	2.43		mg/kg	2.16	0.209	2	10/19/21 08:30	10/20/21 11:15	EPA 3050B	1,6010D	DL
Potassium, Total	146	J	mg/kg	216	12.4	2	10/19/21 08:30	10/20/21 11:15	EPA 3050B	1,6010D	DL
Selenium, Total	ND		mg/kg	1.73	0.223	2	10/19/21 08:30	10/20/21 11:15	EPA 3050B	1,6010D	DL
Silver, Total	ND		mg/kg	0.865	0.245	2	10/19/21 08:30	10/20/21 11:15	EPA 3050B	1,6010D	DL
Sodium, Total	16.2	J	mg/kg	173	2.72	2	10/19/21 08:30	10/20/21 11:15	EPA 3050B	1,6010D	DL
Thallium, Total	ND		mg/kg	1.73	0.272	2	10/19/21 08:30	10/20/21 11:15	EPA 3050B	1,6010D	DL
Vanadium, Total	11.8		mg/kg	0.865	0.176	2	10/19/21 08:30	10/20/21 11:15	EPA 3050B	1,6010D	DL
Zinc, Total	9.28		mg/kg	4.32	0.253	2	10/19/21 08:30	10/20/21 11:15	EPA 3050B	1,6010D	DL



Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156730-14
 Client ID: GRID N_18-24
 Sample Location: Not Specified

Date Collected: 10/15/21 10:20
 Date Received: 10/15/21
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil
 Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	7780		mg/kg	8.91	2.41	2	10/27/21 06:20	10/27/21 17:31	EPA 3050B	1,6010D	DL
Antimony, Total	ND		mg/kg	4.46	0.339	2	10/27/21 06:20	10/27/21 17:31	EPA 3050B	1,6010D	DL
Arsenic, Total	4.82		mg/kg	0.891	0.185	2	10/27/21 06:20	10/27/21 17:31	EPA 3050B	1,6010D	DL
Barium, Total	12.2		mg/kg	0.891	0.155	2	10/27/21 06:20	10/27/21 17:31	EPA 3050B	1,6010D	DL
Beryllium, Total	0.214	J	mg/kg	0.446	0.029	2	10/27/21 06:20	10/27/21 17:31	EPA 3050B	1,6010D	DL
Cadmium, Total	0.098	J	mg/kg	0.891	0.087	2	10/27/21 06:20	10/27/21 17:31	EPA 3050B	1,6010D	DL
Calcium, Total	145		mg/kg	8.91	3.12	2	10/27/21 06:20	10/27/21 17:31	EPA 3050B	1,6010D	DL
Chromium, Total	7.77		mg/kg	0.891	0.086	2	10/27/21 06:20	10/27/21 17:31	EPA 3050B	1,6010D	DL
Cobalt, Total	3.11		mg/kg	1.78	0.148	2	10/27/21 06:20	10/27/21 17:31	EPA 3050B	1,6010D	DL
Copper, Total	4.36		mg/kg	0.891	0.230	2	10/27/21 06:20	10/27/21 17:31	EPA 3050B	1,6010D	DL
Iron, Total	8700		mg/kg	4.46	0.805	2	10/27/21 06:20	10/27/21 17:31	EPA 3050B	1,6010D	DL
Lead, Total	4.34	J	mg/kg	4.46	0.239	2	10/27/21 06:20	10/27/21 17:31	EPA 3050B	1,6010D	DL
Magnesium, Total	905		mg/kg	8.91	1.37	2	10/27/21 06:20	10/27/21 17:31	EPA 3050B	1,6010D	DL
Manganese, Total	70.6		mg/kg	0.891	0.142	2	10/27/21 06:20	10/27/21 17:31	EPA 3050B	1,6010D	DL
Mercury, Total	ND		mg/kg	0.075	0.049	1	10/27/21 09:55	10/27/21 14:11	EPA 7471B	1,7471B	AC
Nickel, Total	4.46		mg/kg	2.23	0.216	2	10/27/21 06:20	10/27/21 17:31	EPA 3050B	1,6010D	DL
Potassium, Total	178	J	mg/kg	223	12.8	2	10/27/21 06:20	10/27/21 17:31	EPA 3050B	1,6010D	DL
Selenium, Total	0.392	J	mg/kg	1.78	0.230	2	10/27/21 06:20	10/27/21 17:31	EPA 3050B	1,6010D	DL
Silver, Total	ND		mg/kg	0.891	0.252	2	10/27/21 06:20	10/27/21 17:31	EPA 3050B	1,6010D	DL
Sodium, Total	28.3	J	mg/kg	178	2.81	2	10/27/21 06:20	10/27/21 17:31	EPA 3050B	1,6010D	DL
Thallium, Total	ND		mg/kg	1.78	0.281	2	10/27/21 06:20	10/27/21 17:31	EPA 3050B	1,6010D	DL
Vanadium, Total	13.4		mg/kg	0.891	0.181	2	10/27/21 06:20	10/27/21 17:31	EPA 3050B	1,6010D	DL
Zinc, Total	12.5		mg/kg	4.46	0.261	2	10/27/21 06:20	10/27/21 17:31	EPA 3050B	1,6010D	DL



Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156730-15
 Client ID: GRID O_0-2
 Sample Location: Not Specified

Date Collected: 10/15/21 09:50
 Date Received: 10/15/21
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil
 Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	7320		mg/kg	8.58	2.32	2	10/19/21 08:30	10/20/21 11:19	EPA 3050B	1,6010D	DL
Antimony, Total	ND		mg/kg	4.29	0.326	2	10/19/21 08:30	10/20/21 11:19	EPA 3050B	1,6010D	DL
Arsenic, Total	41.8		mg/kg	0.858	0.178	2	10/19/21 08:30	10/20/21 11:19	EPA 3050B	1,6010D	DL
Barium, Total	12.4		mg/kg	0.858	0.149	2	10/19/21 08:30	10/20/21 11:19	EPA 3050B	1,6010D	DL
Beryllium, Total	0.180	J	mg/kg	0.429	0.028	2	10/19/21 08:30	10/20/21 11:19	EPA 3050B	1,6010D	DL
Cadmium, Total	0.257	J	mg/kg	0.858	0.084	2	10/19/21 08:30	10/20/21 11:19	EPA 3050B	1,6010D	DL
Calcium, Total	595		mg/kg	8.58	3.00	2	10/19/21 08:30	10/20/21 11:19	EPA 3050B	1,6010D	DL
Chromium, Total	8.51		mg/kg	0.858	0.082	2	10/19/21 08:30	10/20/21 11:19	EPA 3050B	1,6010D	DL
Cobalt, Total	1.30	J	mg/kg	1.72	0.142	2	10/19/21 08:30	10/20/21 11:19	EPA 3050B	1,6010D	DL
Copper, Total	28.1		mg/kg	0.858	0.221	2	10/19/21 08:30	10/20/21 11:19	EPA 3050B	1,6010D	DL
Iron, Total	9140		mg/kg	4.29	0.774	2	10/19/21 08:30	10/20/21 11:19	EPA 3050B	1,6010D	DL
Lead, Total	12.5		mg/kg	4.29	0.230	2	10/19/21 08:30	10/20/21 11:19	EPA 3050B	1,6010D	DL
Magnesium, Total	520		mg/kg	8.58	1.32	2	10/19/21 08:30	10/20/21 11:19	EPA 3050B	1,6010D	DL
Manganese, Total	50.9		mg/kg	0.858	0.136	2	10/19/21 08:30	10/20/21 11:19	EPA 3050B	1,6010D	DL
Mercury, Total	0.047	J	mg/kg	0.071	0.047	1	10/19/21 10:00	10/20/21 18:34	EPA 7471B	1,7471B	AC
Nickel, Total	2.52		mg/kg	2.14	0.208	2	10/19/21 08:30	10/20/21 11:19	EPA 3050B	1,6010D	DL
Potassium, Total	221		mg/kg	214	12.4	2	10/19/21 08:30	10/20/21 11:19	EPA 3050B	1,6010D	DL
Selenium, Total	ND		mg/kg	1.72	0.221	2	10/19/21 08:30	10/20/21 11:19	EPA 3050B	1,6010D	DL
Silver, Total	ND		mg/kg	0.858	0.243	2	10/19/21 08:30	10/20/21 11:19	EPA 3050B	1,6010D	DL
Sodium, Total	16.1	J	mg/kg	172	2.70	2	10/19/21 08:30	10/20/21 11:19	EPA 3050B	1,6010D	DL
Thallium, Total	ND		mg/kg	1.72	0.270	2	10/19/21 08:30	10/20/21 11:19	EPA 3050B	1,6010D	DL
Vanadium, Total	14.2		mg/kg	0.858	0.174	2	10/19/21 08:30	10/20/21 11:19	EPA 3050B	1,6010D	DL
Zinc, Total	12.0		mg/kg	4.29	0.251	2	10/19/21 08:30	10/20/21 11:19	EPA 3050B	1,6010D	DL



Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156730-16
 Client ID: GRID O_18-24
 Sample Location: Not Specified

Date Collected: 10/15/21 09:50
 Date Received: 10/15/21
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil
 Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	6390		mg/kg	9.38	2.53	2	10/27/21 06:20	10/27/21 17:35	EPA 3050B	1,6010D	DL
Antimony, Total	ND		mg/kg	4.69	0.357	2	10/27/21 06:20	10/27/21 17:35	EPA 3050B	1,6010D	DL
Arsenic, Total	20.8		mg/kg	0.938	0.195	2	10/27/21 06:20	10/27/21 17:35	EPA 3050B	1,6010D	DL
Barium, Total	8.90		mg/kg	0.938	0.163	2	10/27/21 06:20	10/27/21 17:35	EPA 3050B	1,6010D	DL
Beryllium, Total	0.160	J	mg/kg	0.469	0.031	2	10/27/21 06:20	10/27/21 17:35	EPA 3050B	1,6010D	DL
Cadmium, Total	0.094	J	mg/kg	0.938	0.092	2	10/27/21 06:20	10/27/21 17:35	EPA 3050B	1,6010D	DL
Calcium, Total	374		mg/kg	9.38	3.28	2	10/27/21 06:20	10/27/21 17:35	EPA 3050B	1,6010D	DL
Chromium, Total	8.19		mg/kg	0.938	0.090	2	10/27/21 06:20	10/27/21 17:35	EPA 3050B	1,6010D	DL
Cobalt, Total	1.47	J	mg/kg	1.88	0.156	2	10/27/21 06:20	10/27/21 17:35	EPA 3050B	1,6010D	DL
Copper, Total	9.95		mg/kg	0.938	0.242	2	10/27/21 06:20	10/27/21 17:35	EPA 3050B	1,6010D	DL
Iron, Total	7670		mg/kg	4.69	0.847	2	10/27/21 06:20	10/27/21 17:35	EPA 3050B	1,6010D	DL
Lead, Total	5.12		mg/kg	4.69	0.252	2	10/27/21 06:20	10/27/21 17:35	EPA 3050B	1,6010D	DL
Magnesium, Total	624		mg/kg	9.38	1.44	2	10/27/21 06:20	10/27/21 17:35	EPA 3050B	1,6010D	DL
Manganese, Total	39.7		mg/kg	0.938	0.149	2	10/27/21 06:20	10/27/21 17:35	EPA 3050B	1,6010D	DL
Mercury, Total	ND		mg/kg	0.076	0.049	1	10/27/21 09:55	10/27/21 14:21	EPA 7471B	1,7471B	AC
Nickel, Total	3.74		mg/kg	2.35	0.227	2	10/27/21 06:20	10/27/21 17:35	EPA 3050B	1,6010D	DL
Potassium, Total	150	J	mg/kg	235	13.5	2	10/27/21 06:20	10/27/21 17:35	EPA 3050B	1,6010D	DL
Selenium, Total	0.526	J	mg/kg	1.88	0.242	2	10/27/21 06:20	10/27/21 17:35	EPA 3050B	1,6010D	DL
Silver, Total	ND		mg/kg	0.938	0.266	2	10/27/21 06:20	10/27/21 17:35	EPA 3050B	1,6010D	DL
Sodium, Total	24.8	J	mg/kg	188	2.96	2	10/27/21 06:20	10/27/21 17:35	EPA 3050B	1,6010D	DL
Thallium, Total	ND		mg/kg	1.88	0.296	2	10/27/21 06:20	10/27/21 17:35	EPA 3050B	1,6010D	DL
Vanadium, Total	11.8		mg/kg	0.938	0.190	2	10/27/21 06:20	10/27/21 17:35	EPA 3050B	1,6010D	DL
Zinc, Total	9.19		mg/kg	4.69	0.275	2	10/27/21 06:20	10/27/21 17:35	EPA 3050B	1,6010D	DL



Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156730-17
 Client ID: GRID Z_0-2
 Sample Location: Not Specified

Date Collected: 10/15/21 15:27
 Date Received: 10/15/21
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil
 Percent Solids: 96%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	4970		mg/kg	7.87	2.12	2	10/19/21 08:30	10/20/21 11:42	EPA 3050B	1,6010D	DL
Antimony, Total	ND		mg/kg	3.94	0.299	2	10/19/21 08:30	10/20/21 11:42	EPA 3050B	1,6010D	DL
Arsenic, Total	8.99		mg/kg	0.787	0.164	2	10/19/21 08:30	10/20/21 11:42	EPA 3050B	1,6010D	DL
Barium, Total	8.05		mg/kg	0.787	0.137	2	10/19/21 08:30	10/20/21 11:42	EPA 3050B	1,6010D	DL
Beryllium, Total	0.126	J	mg/kg	0.394	0.026	2	10/19/21 08:30	10/20/21 11:42	EPA 3050B	1,6010D	DL
Cadmium, Total	0.142	J	mg/kg	0.787	0.077	2	10/19/21 08:30	10/20/21 11:42	EPA 3050B	1,6010D	DL
Calcium, Total	114		mg/kg	7.87	2.76	2	10/19/21 08:30	10/20/21 11:42	EPA 3050B	1,6010D	DL
Chromium, Total	5.56		mg/kg	0.787	0.076	2	10/19/21 08:30	10/20/21 11:42	EPA 3050B	1,6010D	DL
Cobalt, Total	1.45	J	mg/kg	1.57	0.131	2	10/19/21 08:30	10/20/21 11:42	EPA 3050B	1,6010D	DL
Copper, Total	7.91		mg/kg	0.787	0.203	2	10/19/21 08:30	10/20/21 11:42	EPA 3050B	1,6010D	DL
Iron, Total	6040		mg/kg	3.94	0.711	2	10/19/21 08:30	10/20/21 11:42	EPA 3050B	1,6010D	DL
Lead, Total	5.23		mg/kg	3.94	0.211	2	10/19/21 08:30	10/20/21 11:42	EPA 3050B	1,6010D	DL
Magnesium, Total	506		mg/kg	7.87	1.21	2	10/19/21 08:30	10/20/21 11:42	EPA 3050B	1,6010D	DL
Manganese, Total	36.5		mg/kg	0.787	0.125	2	10/19/21 08:30	10/20/21 11:42	EPA 3050B	1,6010D	DL
Mercury, Total	ND		mg/kg	0.066	0.043	1	10/19/21 10:00	10/20/21 18:37	EPA 7471B	1,7471B	AC
Nickel, Total	2.42		mg/kg	1.97	0.190	2	10/19/21 08:30	10/20/21 11:42	EPA 3050B	1,6010D	DL
Potassium, Total	137	J	mg/kg	197	11.3	2	10/19/21 08:30	10/20/21 11:42	EPA 3050B	1,6010D	DL
Selenium, Total	ND		mg/kg	1.57	0.203	2	10/19/21 08:30	10/20/21 11:42	EPA 3050B	1,6010D	DL
Silver, Total	ND		mg/kg	0.787	0.223	2	10/19/21 08:30	10/20/21 11:42	EPA 3050B	1,6010D	DL
Sodium, Total	11.0	J	mg/kg	157	2.48	2	10/19/21 08:30	10/20/21 11:42	EPA 3050B	1,6010D	DL
Thallium, Total	ND		mg/kg	1.57	0.248	2	10/19/21 08:30	10/20/21 11:42	EPA 3050B	1,6010D	DL
Vanadium, Total	8.72		mg/kg	0.787	0.160	2	10/19/21 08:30	10/20/21 11:42	EPA 3050B	1,6010D	DL
Zinc, Total	7.79		mg/kg	3.94	0.231	2	10/19/21 08:30	10/20/21 11:42	EPA 3050B	1,6010D	DL



Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01,03,05,07,09,11,13,15,17 Batch: WG1560034-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	10/19/21 08:30	10/20/21 09:49	1,6010D	DL
Antimony, Total	ND		mg/kg	2.00	0.152	1	10/19/21 08:30	10/20/21 09:49	1,6010D	DL
Arsenic, Total	ND		mg/kg	0.400	0.083	1	10/19/21 08:30	10/20/21 09:49	1,6010D	DL
Barium, Total	ND		mg/kg	0.400	0.070	1	10/19/21 08:30	10/20/21 09:49	1,6010D	DL
Beryllium, Total	ND		mg/kg	0.200	0.013	1	10/19/21 08:30	10/20/21 09:49	1,6010D	DL
Cadmium, Total	ND		mg/kg	0.400	0.039	1	10/19/21 08:30	10/20/21 09:49	1,6010D	DL
Calcium, Total	ND		mg/kg	4.00	1.40	1	10/19/21 08:30	10/20/21 09:49	1,6010D	DL
Chromium, Total	ND		mg/kg	0.400	0.038	1	10/19/21 08:30	10/20/21 09:49	1,6010D	DL
Cobalt, Total	ND		mg/kg	0.800	0.066	1	10/19/21 08:30	10/20/21 09:49	1,6010D	DL
Copper, Total	ND		mg/kg	0.400	0.103	1	10/19/21 08:30	10/20/21 09:49	1,6010D	DL
Iron, Total	2.19		mg/kg	2.00	0.361	1	10/19/21 08:30	10/20/21 09:49	1,6010D	DL
Lead, Total	ND		mg/kg	2.00	0.107	1	10/19/21 08:30	10/20/21 09:49	1,6010D	DL
Magnesium, Total	ND		mg/kg	4.00	0.616	1	10/19/21 08:30	10/20/21 09:49	1,6010D	DL
Manganese, Total	0.092	J	mg/kg	0.400	0.064	1	10/19/21 08:30	10/20/21 09:49	1,6010D	DL
Nickel, Total	ND		mg/kg	1.00	0.097	1	10/19/21 08:30	10/20/21 09:49	1,6010D	DL
Potassium, Total	18.4	J	mg/kg	100	5.76	1	10/19/21 08:30	10/20/21 09:49	1,6010D	DL
Selenium, Total	ND		mg/kg	0.800	0.103	1	10/19/21 08:30	10/20/21 09:49	1,6010D	DL
Silver, Total	ND		mg/kg	0.400	0.113	1	10/19/21 08:30	10/20/21 09:49	1,6010D	DL
Sodium, Total	33.5	J	mg/kg	80.0	1.26	1	10/19/21 08:30	10/20/21 09:49	1,6010D	DL
Thallium, Total	ND		mg/kg	0.800	0.126	1	10/19/21 08:30	10/20/21 09:49	1,6010D	DL
Vanadium, Total	ND		mg/kg	0.400	0.081	1	10/19/21 08:30	10/20/21 09:49	1,6010D	DL
Zinc, Total	ND		mg/kg	2.00	0.117	1	10/19/21 08:30	10/20/21 09:49	1,6010D	DL

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01,03,05,07,09,11,13,15,17 Batch: WG1560035-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	10/19/21 10:00	10/20/21 17:21	1,7471B	AC



Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

Method Blank Analysis Batch Quality Control

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 06,08,10,12,14,16 Batch: WG1563264-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	10/27/21 06:20	10/27/21 15:02	1,6010D	DL
Antimony, Total	ND		mg/kg	2.00	0.152	1	10/27/21 06:20	10/27/21 15:02	1,6010D	DL
Arsenic, Total	ND		mg/kg	0.400	0.083	1	10/27/21 06:20	10/27/21 15:02	1,6010D	DL
Barium, Total	ND		mg/kg	0.400	0.070	1	10/27/21 06:20	10/27/21 15:02	1,6010D	DL
Beryllium, Total	ND		mg/kg	0.200	0.013	1	10/27/21 06:20	10/27/21 15:02	1,6010D	DL
Cadmium, Total	ND		mg/kg	0.400	0.039	1	10/27/21 06:20	10/27/21 15:02	1,6010D	DL
Calcium, Total	ND		mg/kg	4.00	1.40	1	10/27/21 06:20	10/27/21 15:02	1,6010D	DL
Chromium, Total	ND		mg/kg	0.400	0.038	1	10/27/21 06:20	10/27/21 15:02	1,6010D	DL
Cobalt, Total	ND		mg/kg	0.800	0.066	1	10/27/21 06:20	10/27/21 15:02	1,6010D	DL
Copper, Total	ND		mg/kg	0.400	0.103	1	10/27/21 06:20	10/27/21 15:02	1,6010D	DL
Iron, Total	2.36		mg/kg	2.00	0.361	1	10/27/21 06:20	10/27/21 15:02	1,6010D	DL
Lead, Total	ND		mg/kg	2.00	0.107	1	10/27/21 06:20	10/27/21 15:02	1,6010D	DL
Magnesium, Total	ND		mg/kg	4.00	0.616	1	10/27/21 06:20	10/27/21 15:02	1,6010D	DL
Manganese, Total	0.072	J	mg/kg	0.400	0.064	1	10/27/21 06:20	10/27/21 15:02	1,6010D	DL
Nickel, Total	ND		mg/kg	1.00	0.097	1	10/27/21 06:20	10/27/21 15:02	1,6010D	DL
Potassium, Total	ND		mg/kg	100	5.76	1	10/27/21 06:20	10/27/21 15:02	1,6010D	DL
Selenium, Total	ND		mg/kg	0.800	0.103	1	10/27/21 06:20	10/27/21 15:02	1,6010D	DL
Silver, Total	ND		mg/kg	0.400	0.113	1	10/27/21 06:20	10/27/21 15:02	1,6010D	DL
Sodium, Total	5.52	J	mg/kg	80.0	1.26	1	10/27/21 06:20	10/27/21 15:02	1,6010D	DL
Thallium, Total	ND		mg/kg	0.800	0.126	1	10/27/21 06:20	10/27/21 15:02	1,6010D	DL
Vanadium, Total	ND		mg/kg	0.400	0.081	1	10/27/21 06:20	10/27/21 15:02	1,6010D	DL
Zinc, Total	ND		mg/kg	2.00	0.117	1	10/27/21 06:20	10/27/21 15:02	1,6010D	DL

Prep Information

Digestion Method: EPA 3050B



Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 06,08,10,12,14,16 Batch: WG1563265-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	10/27/21 09:55	10/27/21 13:19	1,7471B	AC

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01,03,05,07,09,11,13,15,17 Batch: WG1560034-2 SRM Lot Number: D109-540								
Aluminum, Total	72		-		50-150	-		
Antimony, Total	132		-		19-250	-		
Arsenic, Total	92		-		70-130	-		
Barium, Total	87		-		75-125	-		
Beryllium, Total	90		-		75-125	-		
Cadmium, Total	88		-		75-125	-		
Calcium, Total	85		-		73-128	-		
Chromium, Total	90		-		70-130	-		
Cobalt, Total	88		-		75-125	-		
Copper, Total	90		-		75-125	-		
Iron, Total	86		-		35-165	-		
Lead, Total	90		-		72-128	-		
Magnesium, Total	88		-		62-138	-		
Manganese, Total	87		-		74-126	-		
Nickel, Total	88		-		70-130	-		
Potassium, Total	86		-		59-141	-		
Selenium, Total	90		-		68-132	-		
Silver, Total	90		-		68-131	-		
Sodium, Total	100		-		35-165	-		
Thallium, Total	89		-		68-131	-		
Vanadium, Total	84		-		59-141	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01,03,05,07,09,11,13,15,17 Batch: WG1560034-2 SRM Lot Number: D109-540					
Zinc, Total	90	-	70-130	-	
Total Metals - Mansfield Lab Associated sample(s): 01,03,05,07,09,11,13,15,17 Batch: WG1560035-2 SRM Lot Number: D109-540					
Mercury, Total	92	-	60-140	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 06,08,10,12,14,16 Batch: WG1563264-2 SRM Lot Number: D109-540					
Aluminum, Total	65	-	50-150	-	
Antimony, Total	140	-	19-250	-	
Arsenic, Total	96	-	70-130	-	
Barium, Total	93	-	75-125	-	
Beryllium, Total	90	-	75-125	-	
Cadmium, Total	94	-	75-125	-	
Calcium, Total	91	-	73-128	-	
Chromium, Total	99	-	70-130	-	
Cobalt, Total	91	-	75-125	-	
Copper, Total	100	-	75-125	-	
Iron, Total	87	-	35-165	-	
Lead, Total	90	-	72-128	-	
Magnesium, Total	82	-	62-138	-	
Manganese, Total	88	-	74-126	-	
Nickel, Total	91	-	70-130	-	
Potassium, Total	87	-	59-141	-	
Selenium, Total	95	-	68-132	-	
Silver, Total	98	-	68-131	-	
Sodium, Total	94	-	35-165	-	
Thallium, Total	96	-	68-131	-	
Vanadium, Total	96	-	59-141	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 06,08,10,12,14,16 Batch: WG1563264-2 SRM Lot Number: D109-540					
Zinc, Total	92	-	70-130	-	
Total Metals - Mansfield Lab Associated sample(s): 06,08,10,12,14,16 Batch: WG1563265-2 SRM Lot Number: D109-540					
Mercury, Total	99	-	60-140	-	

Matrix Spike Analysis

Batch Quality Control

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01,03,05,07,09,11,13,15,17 QC Batch ID: WG1560034-3 QC Sample: L2156632-01 Client ID: MS Sample												
Aluminum, Total	11200	186	11900	377	Q	-	-		75-125	-		20
Antimony, Total	0.391J	46.4	27.9	60	Q	-	-		75-125	-		20
Arsenic, Total	5.61	11.1	15.4	88		-	-		75-125	-		20
Barium, Total	31.3	186	171	75		-	-		75-125	-		20
Beryllium, Total	0.344J	4.64	3.92	84		-	-		75-125	-		20
Cadmium, Total	0.335J	4.92	3.98	81		-	-		75-125	-		20
Calcium, Total	984	928	1720	79		-	-		75-125	-		20
Chromium, Total	15.4	18.6	29.2	74	Q	-	-		75-125	-		20
Cobalt, Total	2.48	46.4	34.6	69	Q	-	-		75-125	-		20
Copper, Total	7.08	23.2	25.0	77		-	-		75-125	-		20
Iron, Total	15200B	92.8	13800	0	Q	-	-		75-125	-		20
Lead, Total	8.57	49.2	50.9	86		-	-		75-125	-		20
Magnesium, Total	713	928	1500	85		-	-		75-125	-		20
Manganese, Total	42.2	46.4	73.2	67	Q	-	-		75-125	-		20
Nickel, Total	4.68	46.4	37.1	70	Q	-	-		75-125	-		20
Potassium, Total	422	928	1230	87		-	-		75-125	-		20
Selenium, Total	ND	11.1	7.46	67	Q	-	-		75-125	-		20
Silver, Total	ND	27.8	22.2	80		-	-		75-125	-		20
Sodium, Total	37.4J	928	765	82		-	-		75-125	-		20
Thallium, Total	0.316J	11.1	8.01	72	Q	-	-		75-125	-		20
Vanadium, Total	25.2	46.4	58.1	71	Q	-	-		75-125	-		20

Matrix Spike Analysis

Batch Quality Control

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01,03,05,07,09,11,13,15,17 QC Batch ID: WG1560034-3 QC Sample: L2156632-01 Client ID: MS Sample									
Zinc, Total	16.6	46.4	51.7	76	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 01,03,05,07,09,11,13,15,17 QC Batch ID: WG1560035-3 QC Sample: L2156632-01 Client ID: MS Sample									
Mercury, Total	ND	0.151	0.179	119	-	-	80-120	-	20

Matrix Spike Analysis

Batch Quality Control

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 06,08,10,12,14,16 QC Batch ID: WG1563264-3 QC Sample: L2157115-01 Client ID: MS Sample									
Aluminum, Total	2240	184	3000	413	Q	-	75-125	-	20
Antimony, Total	ND	46	37.2	81	-	-	75-125	-	20
Arsenic, Total	0.736J	11	10.3	93	-	-	75-125	-	20
Barium, Total	4.20	184	188	100	-	-	75-125	-	20
Beryllium, Total	ND	4.6	4.33	94	-	-	75-125	-	20
Cadmium, Total	ND	4.88	4.79	98	-	-	75-125	-	20
Calcium, Total	163	920	1080	100	-	-	75-125	-	20
Chromium, Total	4.26	18.4	23.8	106	-	-	75-125	-	20
Cobalt, Total	0.382J	46	41.7	91	-	-	75-125	-	20
Copper, Total	1.83	23	25.9	105	-	-	75-125	-	20
Iron, Total	2450B	92	3000	598	Q	-	75-125	-	20
Lead, Total	5.15	48.8	52.2	96	-	-	75-125	-	20
Magnesium, Total	84.1	920	1010	101	-	-	75-125	-	20
Manganese, Total	8.34	46	53.0	97	-	-	75-125	-	20
Nickel, Total	0.718J	46	42.9	93	-	-	75-125	-	20
Potassium, Total	96.6J	920	965	105	-	-	75-125	-	20
Selenium, Total	ND	11	9.30	84	-	-	75-125	-	20
Silver, Total	ND	27.6	31.7	115	-	-	75-125	-	20
Sodium, Total	13.4J	920	947	103	-	-	75-125	-	20
Thallium, Total	ND	11	10.2	92	-	-	75-125	-	20
Vanadium, Total	6.56	46	55.0	105	-	-	75-125	-	20

Matrix Spike Analysis

Batch Quality Control

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 06,08,10,12,14,16				QC Batch ID: WG1563264-3		QC Sample: L2157115-01		Client ID: MS Sample	
Zinc, Total	5.07	46	50.9	100	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 06,08,10,12,14,16				QC Batch ID: WG1563265-3		QC Sample: L2157115-01		Client ID: MS Sample	
Mercury, Total	ND	0.152	0.152	100	-	-	80-120	-	20

Lab Duplicate Analysis *Batch Quality Control*

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01,03,05,07,09,11,13,15,17 QC Batch ID: WG1560034-4 QC Sample: L2156632-01 Client ID: DUP Sample						
Aluminum, Total	11200	11200	mg/kg	0		20
Antimony, Total	0.391J	ND	mg/kg	NC		20
Arsenic, Total	5.61	4.91	mg/kg	13		20
Barium, Total	31.3	30.7	mg/kg	2		20
Beryllium, Total	0.344J	0.310J	mg/kg	NC		20
Cadmium, Total	0.335J	0.310J	mg/kg	NC		20
Calcium, Total	984	871	mg/kg	12		20
Chromium, Total	15.4	14.5	mg/kg	6		20
Cobalt, Total	2.48	2.74	mg/kg	10		20
Copper, Total	7.08	6.41	mg/kg	10		20
Iron, Total	15200B	14000	mg/kg	8		20
Lead, Total	8.57	7.58	mg/kg	12		20
Magnesium, Total	713	653	mg/kg	9		20
Manganese, Total	42.2	72.1	mg/kg	52	Q	20
Nickel, Total	4.68	4.30	mg/kg	8		20
Potassium, Total	422	375	mg/kg	12		20
Selenium, Total	ND	ND	mg/kg	NC		20
Silver, Total	ND	ND	mg/kg	NC		20
Sodium, Total	37.4J	32.4J	mg/kg	NC		20

Lab Duplicate Analysis *Batch Quality Control*

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01,03,05,07,09,11,13,15,17 QC Batch ID: WG1560034-4 QC Sample: L2156632-01 Client ID: DUP Sample					
Thallium, Total	0.316J	ND	mg/kg	NC	20
Vanadium, Total	25.2	23.8	mg/kg	6	20
Zinc, Total	16.6	12.8	mg/kg	26 Q	20
Total Metals - Mansfield Lab Associated sample(s): 01,03,05,07,09,11,13,15,17 QC Batch ID: WG1560035-4 QC Sample: L2156632-01 Client ID: DUP Sample					
Mercury, Total	ND	ND	mg/kg	NC	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 06,08,10,12,14,16 QC Batch ID: WG1563264-4 QC Sample: L2157115-01 Client ID: DUP Sample					
Aluminum, Total	2240	2430	mg/kg	8	20
Antimony, Total	ND	ND	mg/kg	NC	20
Arsenic, Total	0.736J	1.11	mg/kg	NC	20
Barium, Total	4.20	5.89	mg/kg	33	Q 20
Beryllium, Total	ND	ND	mg/kg	NC	20
Cadmium, Total	ND	ND	mg/kg	NC	20
Calcium, Total	163	189	mg/kg	15	20
Chromium, Total	4.26	5.92	mg/kg	33	Q 20
Cobalt, Total	0.382J	0.394J	mg/kg	NC	20
Copper, Total	1.83	2.25	mg/kg	21	Q 20
Iron, Total	2450B	3370	mg/kg	32	Q 20
Lead, Total	5.15	6.17	mg/kg	18	20
Magnesium, Total	84.1	113	mg/kg	29	Q 20
Manganese, Total	8.34	9.44	mg/kg	12	20
Nickel, Total	0.718J	0.891J	mg/kg	NC	20
Potassium, Total	96.6J	90.5J	mg/kg	NC	20
Selenium, Total	ND	ND	mg/kg	NC	20
Silver, Total	ND	ND	mg/kg	NC	20
Sodium, Total	13.4J	14.1J	mg/kg	NC	20

Lab Duplicate Analysis *Batch Quality Control*

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 06,08,10,12,14,16 QC Batch ID: WG1563264-4 QC Sample: L2157115-01 Client ID: DUP Sample					
Thallium, Total	ND	ND	mg/kg	NC	20
Vanadium, Total	6.56	7.78	mg/kg	17	20
Zinc, Total	5.07	6.20	mg/kg	20	20
Total Metals - Mansfield Lab Associated sample(s): 06,08,10,12,14,16 QC Batch ID: WG1563265-4 QC Sample: L2157115-01 Client ID: DUP Sample					
Mercury, Total	ND	ND	mg/kg	NC	20

Project Name: HKV2101
Project Number: Not Specified

**Lab Serial Dilution
Analysis
Batch Quality Control**

Lab Number: L2156730
Report Date: 10/29/21

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01,03,05,07,09,11,13,15,17 QC Batch ID: WG1560034-6 QC Sample: L2156632-01 Client ID: DUP Sample						
Aluminum, Total	11200	14100	mg/kg	26	Q	20
Barium, Total	31.3	39.6	mg/kg	27	Q	20
Calcium, Total	984	1250	mg/kg	27	Q	20
Iron, Total	15200B	19100	mg/kg	26	Q	20
Magnesium, Total	713	940	mg/kg	32	Q	20
Manganese, Total	42.2	53.3	mg/kg	26	Q	20
Vanadium, Total	25.2	32.5	mg/kg	29	Q	20
Total Metals - Mansfield Lab Associated sample(s): 06,08,10,12,14,16 QC Batch ID: WG1563264-6 QC Sample: L2157115-01 Client ID: DUP Sample						
Aluminum, Total	2240	2330	mg/kg	4		20
Iron, Total	2450B	2570	mg/kg	5		20

INORGANICS & MISCELLANEOUS

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156730-01
Client ID: GRID AA_0-2
Sample Location: Not Specified

Date Collected: 10/15/21 14:45
Date Received: 10/15/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.1		%	0.100	NA	1	-	10/16/21 12:21	121,2540G	RI



Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156730-02
Client ID: GRID AA_18-24
Sample Location: Not Specified

Date Collected: 10/15/21 14:45
Date Received: 10/15/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	98.0		%	0.100	NA	1	-	10/26/21 11:17	121,2540G	RI



Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156730-03
Client ID: GRID AB_0-2
Sample Location: Not Specified

Date Collected: 10/15/21 12:06
Date Received: 10/15/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	93.2		%	0.100	NA	1	-	10/16/21 12:21	121,2540G	RI



Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156730-04
Client ID: GRID AB_18-24
Sample Location: Not Specified

Date Collected: 10/15/21 12:06
Date Received: 10/15/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	93.7		%	0.100	NA	1	-	10/26/21 11:17	121,2540G	RI



Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156730-05
Client ID: GRID AC_0-2
Sample Location: Not Specified

Date Collected: 10/15/21 11:24
Date Received: 10/15/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	93.5		%	0.100	NA	1	-	10/16/21 12:21	121,2540G	RI



Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156730-06
Client ID: GRID AC_18-24
Sample Location: Not Specified

Date Collected: 10/15/21 11:24
Date Received: 10/15/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	78.4		%	0.100	NA	1	-	10/26/21 11:17	121,2540G	RI



Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156730-07
Client ID: GRID AD_0-2
Sample Location: Not Specified

Date Collected: 10/15/21 09:05
Date Received: 10/15/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	92.0		%	0.100	NA	1	-	10/16/21 12:21	121,2540G	RI



Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156730-08
Client ID: GRID AD_18-24
Sample Location: Not Specified

Date Collected: 10/15/21 09:05
Date Received: 10/15/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.5		%	0.100	NA	1	-	10/26/21 11:17	121,2540G	RI



Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156730-09
Client ID: GRID L_0-2
Sample Location: Not Specified

Date Collected: 10/15/21 14:01
Date Received: 10/15/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	93.4		%	0.100	NA	1	-	10/16/21 12:21	121,2540G	RI



Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156730-10
Client ID: GRID L_18-24
Sample Location: Not Specified

Date Collected: 10/15/21 14:01
Date Received: 10/15/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	92.8		%	0.100	NA	1	-	10/26/21 11:17	121,2540G	RI



Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156730-11
Client ID: GRID M_0-2
Sample Location: Not Specified

Date Collected: 10/15/21 13:30
Date Received: 10/15/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.6		%	0.100	NA	1	-	10/16/21 12:21	121,2540G	RI



Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156730-12
Client ID: GRID M_18-24
Sample Location: Not Specified

Date Collected: 10/15/21 13:30
Date Received: 10/15/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.9		%	0.100	NA	1	-	10/26/21 11:17	121,2540G	RI



Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156730-13
Client ID: GRID N_0-2
Sample Location: Not Specified

Date Collected: 10/15/21 10:20
Date Received: 10/15/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.8		%	0.100	NA	1	-	10/16/21 12:21	121,2540G	RI



Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156730-14
Client ID: GRID N_18-24
Sample Location: Not Specified

Date Collected: 10/15/21 10:20
Date Received: 10/15/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.4		%	0.100	NA	1	-	10/26/21 11:17	121,2540G	RI



Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156730-15
Client ID: GRID O_0-2
Sample Location: Not Specified

Date Collected: 10/15/21 09:50
Date Received: 10/15/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.8		%	0.100	NA	1	-	10/16/21 12:21	121,2540G	RI



Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156730-16
Client ID: GRID O_18-24
Sample Location: Not Specified

Date Collected: 10/15/21 09:50
Date Received: 10/15/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	82.6		%	0.100	NA	1	-	10/26/21 11:17	121,2540G	RI



Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156730-17
Client ID: GRID Z_0-2
Sample Location: Not Specified

Date Collected: 10/15/21 15:27
Date Received: 10/15/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	95.5		%	0.100	NA	1	-	10/16/21 12:21	121,2540G	RI



Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

SAMPLE RESULTS

Lab ID: L2156730-18
Client ID: GRID Z_18-24
Sample Location: Not Specified

Date Collected: 10/15/21 15:27
Date Received: 10/15/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.8		%	0.100	NA	1	-	10/26/21 11:17	121,2540G	RI



Lab Duplicate Analysis

Batch Quality Control

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01,03,05,07,09,11,13,15,17 QC Batch ID: WG1559491-1 QC Sample: L2156535-01 Client ID: DUP Sample						
Solids, Total	94.7	94.2	%	1		20
General Chemistry - Westborough Lab Associated sample(s): 02,04,06,08,10,12,14,16,18 QC Batch ID: WG1563217-1 QC Sample: L2156337-04 Client ID: DUP Sample						
Solids, Total	81.1	80.7	%	0		20

Project Name: HKV2101**Lab Number:** L2156730**Project Number:** Not Specified**Report Date:** 10/29/21**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2156730-01A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.5	Y	Absent		BE-Ti(180),AS-Ti(180),BA-Ti(180),AG-Ti(180),TL-Ti(180),NI-Ti(180),AL-Ti(180),CR-Ti(180),CU-Ti(180),SE-Ti(180),ZN-Ti(180),PB-Ti(180),SB-Ti(180),CO-Ti(180),V-Ti(180),HG-T(28),FE-Ti(180),MN-Ti(180),MG-Ti(180),CD-Ti(180),CA-Ti(180),K-Ti(180),NA-Ti(180)
L2156730-01B	Glass 60mL/2oz unpreserved	A	NA		2.5	Y	Absent		TS(7),NYTCL-8081(14)
L2156730-02A	Glass 60mL/2oz unpreserved	A	NA		2.5	Y	Absent		HOLD-METAL(180)
L2156730-02B	Glass 60mL/2oz unpreserved	A	NA		2.5	Y	Absent		TS(7),NYTCL-8081(14)
L2156730-03A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.5	Y	Absent		BE-Ti(180),BA-Ti(180),AS-Ti(180),AG-Ti(180),NI-Ti(180),AL-Ti(180),TL-Ti(180),CR-Ti(180),SB-Ti(180),ZN-Ti(180),PB-Ti(180),SE-Ti(180),CU-Ti(180),CO-Ti(180),V-Ti(180),FE-Ti(180),MN-Ti(180),MG-Ti(180),HG-T(28),NA-Ti(180),CD-Ti(180),CA-Ti(180),K-Ti(180)
L2156730-03B	Glass 60mL/2oz unpreserved	A	NA		2.5	Y	Absent		TS(7),NYTCL-8081(14)
L2156730-04A	Glass 60mL/2oz unpreserved	A	NA		2.5	Y	Absent		HOLD-METAL(180)
L2156730-04B	Glass 60mL/2oz unpreserved	A	NA		2.5	Y	Absent		TS(7),NYTCL-8081(14)
L2156730-05A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.5	Y	Absent		BE-Ti(180),BA-Ti(180),AS-Ti(180),AG-Ti(180),TL-Ti(180),NI-Ti(180),CR-Ti(180),AL-Ti(180),SE-Ti(180),ZN-Ti(180),SB-Ti(180),CU-Ti(180),PB-Ti(180),V-Ti(180),CO-Ti(180),HG-T(28),MN-Ti(180),MG-Ti(180),FE-Ti(180),K-Ti(180),CD-Ti(180),NA-Ti(180),CA-Ti(180)
L2156730-05B	Glass 60mL/2oz unpreserved	A	NA		2.5	Y	Absent		TS(7),NYTCL-8081(14)
L2156730-06A	Glass 60mL/2oz unpreserved	A	NA		2.5	Y	Absent		BE-Ti(180),AS-Ti(180),BA-Ti(180),AG-Ti(180),NI-Ti(180),TL-Ti(180),AL-Ti(180),CR-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),V-Ti(180),CO-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),FE-Ti(180),CD-Ti(180),CA-Ti(180),K-Ti(180),NA-Ti(180)
L2156730-06B	Glass 60mL/2oz unpreserved	A	NA		2.5	Y	Absent		TS(7),NYTCL-8081(14)
L2156730-07A	Vial MeOH preserved	A	NA		2.5	Y	Absent		NYTCL-8260HLW(14)

Project Name: HKV2101
Project Number: Not Specified

Serial_No:10292118:41
Lab Number: L2156730
Report Date: 10/29/21

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2156730-07B	Vial water preserved	A	NA		2.5	Y	Absent	16-OCT-21 09:02	NYTCL-8260HLW(14)
L2156730-07C	Vial water preserved	A	NA		2.5	Y	Absent	16-OCT-21 09:02	NYTCL-8260HLW(14)
L2156730-07D	Plastic 120ml unpreserved	A	NA		2.5	Y	Absent		TS(7)
L2156730-07E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.5	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),AL-TI(180),TL-TI(180),SB-TI(180),ZN-TI(180),SE-TI(180),CU-TI(180),PB-TI(180),CO-TI(180),V-TI(180),HG-T(28),FE-TI(180),MN-TI(180),MG-TI(180),K-TI(180),NA-TI(180),CD-TI(180),CA-TI(180)
L2156730-07F	Glass 60mL/2oz unpreserved	A	NA		2.5	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365)
L2156730-07G	Glass 60mL/2oz unpreserved	A	NA		2.5	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365)
L2156730-07H	Glass 120ml/4oz unpreserved	A	NA		2.5	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365)
L2156730-07I	Glass 500ml/16oz unpreserved	A	NA		2.5	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365)
L2156730-08A	Vial MeOH preserved	A	NA		2.5	Y	Absent		HOLD-8260HLW(14)
L2156730-08B	Vial water preserved	A	NA		2.5	Y	Absent	16-OCT-21 09:02	HOLD-8260HLW(14)
L2156730-08C	Vial water preserved	A	NA		2.5	Y	Absent	16-OCT-21 09:02	HOLD-8260HLW(14)
L2156730-08D	Plastic 120ml unpreserved	A	NA		2.5	Y	Absent		TS(7)
L2156730-08E	Glass 60mL/2oz unpreserved	A	NA		2.5	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),AL-TI(180),TL-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),ZN-TI(180),SE-TI(180),V-TI(180),CO-TI(180),HG-T(28),MG-TI(180),FE-TI(180),MN-TI(180),NA-TI(180),CA-TI(180),CD-TI(180),K-TI(180)
L2156730-08F	Glass 60mL/2oz unpreserved	A	NA		2.5	Y	Absent		HOLD-8151(14),NYTCL-8081(14),HOLD-8270(14),HOLD-8082(14)
L2156730-08G	Glass 60mL/2oz unpreserved	A	NA		2.5	Y	Absent		HOLD-8151(14),NYTCL-8081(14),HOLD-8270(14),HOLD-8082(14)
L2156730-08H	Glass 120ml/4oz unpreserved	A	NA		2.5	Y	Absent		HOLD-8151(14),NYTCL-8081(14),HOLD-8270(14),HOLD-8082(14)
L2156730-08I	Glass 500ml/16oz unpreserved	A	NA		2.5	Y	Absent		HOLD-8151(14),NYTCL-8081(14),HOLD-8270(14),HOLD-8082(14)
L2156730-09A	Vial MeOH preserved	A	NA		2.5	Y	Absent		NYTCL-8260HLW(14)
L2156730-09B	Vial water preserved	A	NA		2.5	Y	Absent	16-OCT-21 09:02	NYTCL-8260HLW(14)
L2156730-09C	Vial water preserved	A	NA		2.5	Y	Absent	16-OCT-21 09:02	NYTCL-8260HLW(14)
L2156730-09D	Plastic 120ml unpreserved	A	NA		2.5	Y	Absent		TS(7)

Project Name: HKV2101
Project Number: Not Specified

Serial_No:10292118:41
Lab Number: L2156730
Report Date: 10/29/21

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2156730-09E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.5	Y	Absent		BE-Ti(180),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),NI-Ti(180),CR-Ti(180),TL-Ti(180),SB-Ti(180),ZN-Ti(180),PB-Ti(180),SE-Ti(180),CU-Ti(180),CO-Ti(180),V-Ti(180),MG-Ti(180),HG-T(28),MN-Ti(180),FE-Ti(180),CD-Ti(180),CA-Ti(180),NA-Ti(180),K-Ti(180)
L2156730-09F	Glass 60mL/2oz unpreserved	A	NA		2.5	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365)
L2156730-09G	Glass 60mL/2oz unpreserved	A	NA		2.5	Y	Absent		HOLD-CONTINGENCY(14)
L2156730-09H	Glass 120ml/4oz unpreserved	A	NA		2.5	Y	Absent		HOLD-CONTINGENCY(14)
L2156730-09I	Glass 500ml/16oz unpreserved	A	NA		2.5	Y	Absent		HOLD-CONTINGENCY(14)
L2156730-10A	Vial MeOH preserved	A	NA		2.5	Y	Absent		HOLD-8260HLW(14)
L2156730-10B	Vial water preserved	A	NA		2.5	Y	Absent	16-OCT-21 09:02	HOLD-8260HLW(14)
L2156730-10C	Vial water preserved	A	NA		2.5	Y	Absent	16-OCT-21 09:02	HOLD-8260HLW(14)
L2156730-10D	Plastic 120ml unpreserved	A	NA		2.5	Y	Absent		TS(7)
L2156730-10E	Glass 60mL/2oz unpreserved	A	NA		2.5	Y	Absent		BE-Ti(180),BA-Ti(180),AS-Ti(180),AG-Ti(180),CR-Ti(180),NI-Ti(180),AL-Ti(180),TL-Ti(180),SB-Ti(180),ZN-Ti(180),SE-Ti(180),CU-Ti(180),PB-Ti(180),V-Ti(180),CO-Ti(180),MN-Ti(180),HG-T(28),FE-Ti(180),MG-Ti(180),CD-Ti(180),CA-Ti(180),K-Ti(180),NA-Ti(180)
L2156730-10F	Glass 60mL/2oz unpreserved	A	NA		2.5	Y	Absent		HOLD-CONTINGENCY(14),NYTCL-8081(14)
L2156730-10G	Glass 60mL/2oz unpreserved	A	NA		2.5	Y	Absent		HOLD-CONTINGENCY(14),NYTCL-8081(14)
L2156730-10H	Glass 120ml/4oz unpreserved	A	NA		2.5	Y	Absent		HOLD-CONTINGENCY(14),NYTCL-8081(14)
L2156730-10I	Glass 500ml/16oz unpreserved	A	NA		2.5	Y	Absent		HOLD-CONTINGENCY(14),NYTCL-8081(14)
L2156730-11A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.5	Y	Absent		BE-Ti(180),BA-Ti(180),AS-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),SB-Ti(180),ZN-Ti(180),PB-Ti(180),SE-Ti(180),CU-Ti(180),CO-Ti(180),V-Ti(180),FE-Ti(180),MG-Ti(180),HG-T(28),MN-Ti(180),CA-Ti(180),CD-Ti(180),NA-Ti(180),K-Ti(180)
L2156730-11B	Glass 60mL/2oz unpreserved	A	NA		2.5	Y	Absent		TS(7),NYTCL-8081(14)
L2156730-12A	Glass 60mL/2oz unpreserved	A	NA		2.5	Y	Absent		BE-Ti(180),BA-Ti(180),AS-Ti(180),AG-Ti(180),AL-Ti(180),TL-Ti(180),NI-Ti(180),CR-Ti(180),PB-Ti(180),SE-Ti(180),SB-Ti(180),CU-Ti(180),ZN-Ti(180),CO-Ti(180),V-Ti(180),FE-Ti(180),MN-Ti(180),HG-T(28),MG-Ti(180),CD-Ti(180),CA-Ti(180),K-Ti(180),NA-Ti(180)
L2156730-12B	Glass 60mL/2oz unpreserved	A	NA		2.5	Y	Absent		TS(7),NYTCL-8081(14)

Project Name: HKV2101
Project Number: Not Specified

Serial_No:10292118:41
Lab Number: L2156730
Report Date: 10/29/21

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2156730-13A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.5	Y	Absent		BE-Ti(180),BA-Ti(180),AS-Ti(180),AG-Ti(180),TL-Ti(180),NI-Ti(180),AL-Ti(180),CR-Ti(180),SE-Ti(180),ZN-Ti(180),CU-Ti(180),SB-Ti(180),PB-Ti(180),V-Ti(180),CO-Ti(180),MN-Ti(180),FE-Ti(180),MG-Ti(180),HG-T(28),CD-Ti(180),NA-Ti(180),K-Ti(180),CA-Ti(180)
L2156730-13B	Glass 60mL/2oz unpreserved	A	NA		2.5	Y	Absent		TS(7),NYTCL-8081(14)
L2156730-14A	Glass 60mL/2oz unpreserved	A	NA		2.5	Y	Absent		BE-Ti(180),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),TL-Ti(180),NI-Ti(180),CR-Ti(180),CU-Ti(180),ZN-Ti(180),SB-Ti(180),PB-Ti(180),SE-Ti(180),CO-Ti(180),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),CA-Ti(180),NA-Ti(180),K-Ti(180)
L2156730-14B	Glass 60mL/2oz unpreserved	A	NA		2.5	Y	Absent		TS(7),NYTCL-8081(14)
L2156730-15A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.5	Y	Absent		BE-Ti(180),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),ZN-Ti(180),SB-Ti(180),SE-Ti(180),PB-Ti(180),CO-Ti(180),V-Ti(180),MG-Ti(180),MN-Ti(180),FE-Ti(180),HG-T(28),K-Ti(180),CD-Ti(180),CA-Ti(180),NA-Ti(180)
L2156730-15B	Glass 60mL/2oz unpreserved	A	NA		2.5	Y	Absent		TS(7),NYTCL-8081(14)
L2156730-16A	Glass 60mL/2oz unpreserved	A	NA		2.5	Y	Absent		BE-Ti(180),AS-Ti(180),BA-Ti(180),AG-Ti(180),CR-Ti(180),TL-Ti(180),AL-Ti(180),NI-Ti(180),CU-Ti(180),SB-Ti(180),ZN-Ti(180),SE-Ti(180),PB-Ti(180),CO-Ti(180),V-Ti(180),FE-Ti(180),MG-Ti(180),MN-Ti(180),HG-T(28),CD-Ti(180),CA-Ti(180),K-Ti(180),NA-Ti(180)
L2156730-16B	Glass 60mL/2oz unpreserved	A	NA		2.5	Y	Absent		TS(7),NYTCL-8081(14)
L2156730-17A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.5	Y	Absent		BE-Ti(180),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),NI-Ti(180),CR-Ti(180),TL-Ti(180),PB-Ti(180),ZN-Ti(180),CU-Ti(180),SE-Ti(180),SB-Ti(180),V-Ti(180),CO-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),CA-Ti(180),CD-Ti(180),NA-Ti(180),K-Ti(180)
L2156730-17B	Glass 60mL/2oz unpreserved	A	NA		2.5	Y	Absent		TS(7),NYTCL-8081(14)
L2156730-18A	Glass 60mL/2oz unpreserved	A	NA		2.5	Y	Absent		HOLD-METAL(180)
L2156730-18B	Glass 60mL/2oz unpreserved	A	NA		2.5	Y	Absent		TS(7),NYTCL-8081(14)

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers



Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers



Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

Data Qualifiers

- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- V** - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)
- Z** - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Project Name: HKV2101
Project Number: Not Specified

Lab Number: L2156730
Report Date: 10/29/21

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Alpha Analytical, Inc.Facility: **Company-wide**Department: **Quality Assurance**Title: **Certificate/Approval Program Summary**ID No.: **17873**

Revision 19

Published Date: 4/2/2021 1:14:23 PM

Page 1 of 1

Certification Information**The following analytes are not included in our Primary NELAP Scope of Accreditation:****Westborough Facility****EPA 624/624.1:** m/p-xylene, o-xylene, Naphthalene**EPA 625/625.1:** alpha-Terpineol**EPA 8260C/8260D:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270D/8270E:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.**Mansfield Facility****SM 2540D:** TSS**EPA 8082A:** NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Biological Tissue Matrix: EPA 3050B**The following analytes are included in our Massachusetts DEP Scope of Accreditation****Westborough Facility:****Drinking Water****EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,****EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B****EPA 332:** Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.****Non-Potable Water****SM4500H-B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:**Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,****SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.**EPA 624.1:** Volatile Halocarbons & Aromatics,**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II,

Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.****Mansfield Facility:****Drinking Water****EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1 Hg.****EPA 522, EPA 537.1.****Non-Potable Water****EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.**EPA 245.1 Hg.****SM2340B**

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

ALPHA ANALYTICAL		NEW YORK CHAIN OF CUSTODY		Service Centers Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105		Page <u>1</u> of <u>2</u>		Date Rec'd in Lab <u>10/16/21</u>		ALPHA Job # <u>L2156730</u>													
Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193				Mansfield, MA 02048 320 Forbes Blvd TEL: 508-822-9300 FAX: 508-822-3288				Project Information				Deliverables				Billing Information							
Client Information				Project Name: <u>HKV 2101</u>				Project Location:				☐ ASP-A ☐ ASP-B				☒ Same as Client Info							
Client: <u>PWGC</u>				(Use Project name as Project #) ☐				Project Manager: <u>Thomas Melina</u>				☐ EQUS (1 File) ☐ EQUS (4 File)				PO #							
Address: <u>630 Johnson Ave</u>				ALPHAQuote #:				Regulatory Requirement				Disposal Site Information											
Phone: <u>631 589 6353</u>				Turn-Around Time				☐ NY TOGS ☐ NY Part 375				Please identify below location of applicable disposal facilities.											
Fax:				Standard ☒ Due Date:				☐ AWQ Standards ☐ NY CP-51				Disposal Facility:											
Email: <u>Thomas.Melina@pwgc.com</u>				Rush (only if pre approved) ☐ # of Days:				☐ NY Restricted Use ☐ Other				☐ NJ ☐ NY											
								☒ NY Unrestricted Use				☐ Other:											
								☐ NYC Sewer Discharge															
These samples have been previously analyzed by Alpha ☐												ANALYSIS				Sample Filtration							
Other project specific requirements/comments: <u>Hold Deeper Samples; To be run based on shallower results</u>																☐ Done							
Please specify Metals or TAL.																☐ Lab to do							
																Preservation							
																☐ Lab to do							
																(Please Specify below)							
																Sample Specific Comments							
ALPHA Lab ID (Lab Use Only)		Sample ID		Collection		Sample Matrix		Sampler's Initials		Restrikes		TAL metals		VOC		SVOC		Inorganics		PCB's		Total Bottom Time	
				Date Time																			
<u>56730-01</u>		<u>GRID AA-0-2</u>		<u>10/15/21 14:45</u>		<u>S</u>		<u>JL</u>		<u>X</u>		<u>X</u>											
<u>-02</u>		<u>GRID AA-18-24</u>		<u>14:45</u>						<u>X</u>		<u>X</u>										<u>hold</u>	
<u>-03</u>		<u>GRID AB-0-2</u>		<u>12:06</u>						<u>X</u>		<u>X</u>											
<u>-04</u>		<u>GRID AB-18-24</u>		<u>12:06</u>						<u>X</u>		<u>X</u>										<u>hold</u>	
<u>-05</u>		<u>GRID AC-0-2</u>		<u>11:24</u>						<u>X</u>		<u>X</u>											
<u>-06</u>		<u>GRID AC-18-24</u>		<u>11:24</u>						<u>X</u>		<u>X</u>										<u>hold</u>	
<u>-07</u>		<u>GRID AD-0-2</u>		<u>09:05</u>						<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>			
<u>-08</u>		<u>GRID AD-18-24</u>		<u>09:05</u>						<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>hold</u>	
<u>-09</u>		<u>GRID L-0-2</u>		<u>14:01</u>						<u>X</u>		<u>X</u>											
<u>-10</u>		<u>GRID L-18-24</u>		<u>14:01</u>						<u>X</u>		<u>X</u>										<u>hold</u>	
Preservative Code: A = None B = HCl C = HNO ₃ D = H ₂ SO ₄ E = NaOH F = MeOH G = NaHSO ₄ H = Na ₂ S ₂ O ₃ K/E = Zn Ac/NaOH O = Other				Container Code P = Plastic A = Amber Glass V = Vial G = Glass B = Bacteria Cup C = Cube O = Other E = Encore D = BOD Bottle				Westboro: Certification No: MA935 Mansfield: Certification No: MA015				Container Type											
												Preservative											
Relinquished By: <u>[Signature]</u>				Date/Time: <u>10/15/21 15:00</u>				Received By: <u>[Signature]</u>				Date/Time: <u>10/15/21 15:00</u>				Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)							
Relinquished By: <u>[Signature]</u>				Date/Time: <u>10/16/21 03:00</u>				Received By: <u>[Signature]</u>				Date/Time: <u>10/16/21 03:00</u>											

Page 172 of 172



APPENDIX B SOIL BORING LOGS

PROJECT #:		HKV2101					
SITE ADDRESS:		4285 Middle Country Rd, Calverton, NY					
BORING ID:		SB001		BORING DEPTH (FT):		CORE LENGTH (FT):	
				10		5	
GRID:		N/A		BORING DIAMETER (IN):		WELL DIAMETER (IN):	
				2		N/A	
DRILLING CONTRACTOR:		Associated Environmental		DATE STARTED:		DATE FINISHED:	
				10/12/2021		10/12/2021	
DRILLING METHOD:		Direct Push		TIME STARTED:		TIME FINISHED:	
				10:55		11:05	
DRILLING EQUIPMENT:		Geoprobe 7822DT		LATITUDE:		LONGITUDE:	
				N/A		N/A	
SAMPLING METHOD:		Macrocore		PROJECT MANAGER:		LOGGED BY:	
				Tom Melia		Michael Pecoraro	
DEPTH (feet)	SAMPLE INTERVAL	USCS KEY	RECOVERY (feet)	DESCRIPTION NAME (USCS): color, moist, plasticity, gravel, odor	PID Reading (ppm)	DEPTH (feet)	WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS
0				(Topsoil) Brown to Gray, dry and no odor	0	0	
1						1	
2						2	
3			4			3	
4				(GW) Brown, Medium Grain Sand with Gravel, well sorted; dry and no odor	0	4	
5						5	
6						6	
7			4	(GW) Light Brown, Medium Grain Sand with Gravel, well sorted; dry and no odor	0	7	
8						8	
9						9	
10				(GW) Light Brown to Gray, Medium Grain Sand with Gravel, well sorted; dry and no odor	0	10	
P.W. Grosser Consulting				End of Boring Depth (feet): 10		Water Table Symbol: ▼	
						Page 1 of 1	

PROJECT #:		HKV2101					
SITE ADDRESS:		4285 Middle Country Rd, Calverton, NY					
BORING ID:		SB002		BORING DEPTH (FT):		CORE LENGTH (FT):	
				10		5	
GRID:		N/A		BORING DIAMETER (IN):		WELL DIAMETER (IN):	
				2		N/A	
DRILLING CONTRACTOR:		Associated Environmental		DATE STARTED:		DATE FINISHED:	
				10/12/2021		10/12/2021	
DRILLING METHOD:		Direct Push		TIME STARTED:		TIME FINISHED:	
				11:20		11:30	
DRILLING EQUIPMENT:		Geoprobe 7822DT		LATITUDE:		LONGITUDE:	
				N/A		N/A	
SAMPLING METHOD:		Macrocore		PROJECT MANAGER:		LOGGED BY:	
				Tom Melia		Michael Pecoraro	

DEPTH (feet)	SAMPLE INTERVAL	USCS KEY	RECOVERY (feet)	DESCRIPTION NAME (USCS): color, moist, plasticity, gravel, odor	PID Reading (ppm)	DEPTH (feet)	WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS
0				(Topsoil) Brown, dry and no odor	0	0	
1						1	
2			4	(GW) Brown, Medium Grain Sand with Gravel, well sorted; dry and no odor	0	2	
3						3	
4				(GW) Light Brown, Medium Grain Sand with Gravel, well sorted; dry and no odor	0	4	
5						5	
6				(ML) Brown, Clayey Silt, Low Plasticity, dry and no odor	0	6	
7			5			7	
8				(GW) Light Brown to Gray, Medium Grain Sand with Gravel, well sorted; dry and no odor	0	8	
9						9	
10						10	

P.W. Grosser Consulting	End of Boring Depth (feet): 10	Water Table Symbol: ▼	Page 1 of 1

PROJECT #:		HKV2101					
SITE ADDRESS:		4285 Middle Country Rd, Calverton, NY					
BORING ID:		SB003		BORING DEPTH (FT):		CORE LENGTH (FT):	
				10		5	
GRID:		N/A		BORING DIAMETER (IN):		WELL DIAMETER (IN):	
				2		N/A	
DRILLING CONTRACTOR:		Associated Environmental		DATE STARTED:		DATE FINISHED:	
				10/12/2021		10/12/2021	
DRILLING METHOD:		Direct Push		TIME STARTED:		TIME FINISHED:	
				11:40		11:47	
DRILLING EQUIPMENT:		Geoprobe 7822DT		LATITUDE:		LONGITUDE:	
				N/A		N/A	
SAMPLING METHOD:		Macrocore		PROJECT MANAGER:		LOGGED BY:	
				Tom Melia		Michael Pecoraro	

DEPTH (feet)	SAMPLE INTERVAL	USCS KEY	RECOVERY (feet)	DESCRIPTION NAME (USCS): color, moist, plasticity, gravel, odor	PID Reading (ppm)	DEPTH (feet)	WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS
0				(Topsoil) Brown, dry and no odor	0	0	
1						1	
2			4	(GW) Brown, Medium Grain Sand with Gravel, well sorted; dry and no odor	0	2	
3						3	
4						4	
5						5	
6				(ML) Brown, Clayey Silt, Low Plasticity, dry and no odor	0	6	
7			4			7	
8						8	
9				(GW) Light Brown to Gray, Medium Grain Sand with Gravel, well sorted; dry and no odor	0	9	
10						10	

P.W. Grosser Consulting		End of Boring Depth (feet): 10	Water Table Symbol: ▼	Page 1 of 1

PROJECT #:		HKV2101					
SITE ADDRESS:		4285 Middle Country Rd, Calverton, NY					
BORING ID:		SB004		BORING DEPTH (FT):		CORE LENGTH (FT):	
				10		5	
GRID:		N/A		BORING DIAMETER (IN):		WELL DIAMETER (IN):	
				2		N/A	
DRILLING CONTRACTOR:		Associated Environmental		DATE STARTED:		DATE FINISHED:	
				10/12/2021		10/12/2021	
DRILLING METHOD:		Direct Push		TIME STARTED:		TIME FINISHED:	
				12:05		12:12	
DRILLING EQUIPMENT:		Geoprobe 7822DT		LATITUDE:		LONGITUDE:	
				N/A		N/A	
SAMPLING METHOD:		Macrocore		PROJECT MANAGER:		LOGGED BY:	
				Tom Melia		Michael Pecoraro	

DEPTH (feet)	SAMPLE INTERVAL	USCS KEY	RECOVERY (feet)	DESCRIPTION NAME (USCS): color, moist, plasticity, gravel, odor	PID Reading (ppm)	DEPTH (feet)	WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS
0						0	
1				(Topsoil) Brown, dry and no odor	0	1	
2						2	
3			4			3	
4				(SM) Light Brown, Silty Sand; dry and no odor	0	4	
5						5	
6						6	
7			4			7	
8				(GW) Light Brown to Gray, Medium Grain Sand with Gravel, well sorted; dry and no odor	0	8	
9						9	
10						10	

P.W. Grosser Consulting	End of Boring Depth (feet): 10	Water Table Symbol: ▼	Page 1 of 1

PROJECT #:		HKV2101					
SITE ADDRESS:		4285 Middle Country Rd, Calverton, NY					
BORING ID:		SB005		BORING DEPTH (FT):		CORE LENGTH (FT):	
				10		5	
GRID:		N/A		BORING DIAMETER (IN):		WELL DIAMETER (IN):	
				2		N/A	
DRILLING CONTRACTOR:		Associated Environmental		DATE STARTED:		DATE FINISHED:	
				10/12/2021		10/12/2021	
DRILLING METHOD:		Direct Push		TIME STARTED:		TIME FINISHED:	
				12:25		12:32	
DRILLING EQUIPMENT:		Geoprobe 7822DT		LATITUDE:		LONGITUDE:	
				N/A		N/A	
SAMPLING METHOD:		Macrocore		PROJECT MANAGER:		LOGGED BY:	
				Tom Melia		Michael Pecoraro	

DEPTH (feet)	SAMPLE INTERVAL	USCS KEY	RECOVERY (feet)	DESCRIPTION NAME (USCS): color, moist, plasticity, gravel, odor	PID Reading (ppm)	DEPTH (feet)	WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS
0				(Topsoil) Brown, dry and no odor	0	0	
1				(SM) Light Brown, Silty Sand; dry and no odor	0	1	
2						2	
3						3	
4						4	
5						5	
6				(GW) Light Brown to Gray, Medium Grain Sand with Gravel, well sorted; dry and no odor	0	6	
7						7	
8						8	
9						9	
10						10	

PROJECT #:		HKV2101					
SITE ADDRESS:		4285 Middle Country Rd, Calverton, NY					
BORING ID:		SB006		BORING DEPTH (FT):		CORE LENGTH (FT):	
				10		5	
GRID:		N/A		BORING DIAMETER (IN):		WELL DIAMETER (IN):	
				2		N/A	
DRILLING CONTRACTOR:		Associated Environmental		DATE STARTED:		DATE FINISHED:	
				10/12/2021		10/12/2021	
DRILLING METHOD:		Direct Push		TIME STARTED:		TIME FINISHED:	
				12:45		12:52	
DRILLING EQUIPMENT:		Geoprobe 7822DT		LATITUDE:		LONGITUDE:	
				N/A		N/A	
SAMPLING METHOD:		Macrocore		PROJECT MANAGER:		LOGGED BY:	
				Tom Melia		Michael Pecoraro	

DEPTH (feet)	SAMPLE INTERVAL	USCS KEY	RECOVERY (feet)	DESCRIPTION NAME (USCS): color, moist, plasticity, gravel, odor	PID Reading (ppm)	DEPTH (feet)	WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS
0				(Topsoil) Brown, dry and no odor	0	0	
1						1	
2			4	(GM) Brown, Silty Sand with Gravel; dry and no odor	0	2	
3						3	
4						4	
5						5	
6						6	
7			5	(GW) Light Brown to Gray, Medium Grain Sand with Gravel, well sorted; dry and no odor	0	7	
8						8	
9						9	
10						10	

P.W. Grosser Consulting	End of Boring Depth (feet): 10	Water Table Symbol: ▼	Page 1 of 1

PROJECT #:		HKV2101			
SITE ADDRESS:		4285 Middle Country Rd, Calverton, NY			
BORING ID:		SB007		BORING DEPTH (FT):	CORE LENGTH (FT):
GRID:		N/A		BORING DIAMETER (IN):	WELL DIAMETER (IN):
DRILLING CONTRACTOR:		Associated Environmental		DATE STARTED:	DATE FINISHED:
DRILLING METHOD:		Direct Push		TIME STARTED:	TIME FINISHED:
DRILLING EQUIPMENT:		Geoprobe 7822DT		LATITUDE:	LONGITUDE:
SAMPLING METHOD:		Macrocore		PROJECT MANAGER:	LOGGED BY:
				Tom Melia	Michael Pecoraro

DEPTH (feet)	SAMPLE INTERVAL	USCS KEY	RECOVERY (feet)	DESCRIPTION NAME (USCS): color, moist, plasticity, gravel, odor	PID Reading (ppm)	DEPTH (feet)	WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS
0				(Topsoil) Brown, dry and no odor	0	0	
1						1	
2			5	(GM) Brown, Silty Sand with Gravel; dry and no odor	0	2	
3						3	
4						4	
5						5	
6						6	
7			4	(GW) Light Brown to Gray, Medium Grain Sand with Gravel, well sorted; dry and no odor	0	7	
8						8	
9						9	
10						10	

P.W. Grosser Consulting	End of Boring Depth (feet): 10	Water Table Symbol: ▼	Page 1 of 1

PROJECT #:		HKV2101					
SITE ADDRESS:		4285 Middle Country Rd, Calverton, NY					
BORING ID:		SB008		BORING DEPTH (FT):		CORE LENGTH (FT):	
				10		5	
GRID:		N/A		BORING DIAMETER (IN):		WELL DIAMETER (IN):	
				2		N/A	
DRILLING CONTRACTOR:		Associated Environmental		DATE STARTED:		DATE FINISHED:	
				10/12/2021		10/12/2021	
DRILLING METHOD:		Direct Push		TIME STARTED:		TIME FINISHED:	
				13:30		13:40	
DRILLING EQUIPMENT:		Geoprobe 7822DT		LATITUDE:		LONGITUDE:	
				N/A		N/A	
SAMPLING METHOD:		Macrocore		PROJECT MANAGER:		LOGGED BY:	
				Tom Melia		Michael Pecoraro	

DEPTH (feet)	SAMPLE INTERVAL	USCS KEY	RECOVERY (feet)	DESCRIPTION NAME (USCS): color, moist, plasticity, gravel, odor	PID Reading (ppm)	DEPTH (feet)	WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS
0				(Topsoil) Brown, dry and no odor	0	0	
1						1	
2			4	(GM) Brown, Silty Sand with Gravel; dry and no odor	0	2	
3						3	
4						4	
5						5	
6				(ML) Light Brown to Gray, Clayey Silt, Low Plasticity, dry and no odor	0	6	
7			3			7	
8						8	
9						9	
10				(GW) Brown, Medium Grain Sand with Gravel, well sorted; dry and no odor	0	10	

P.W. Grosser Consulting		End of Boring Depth (feet): 10	Water Table Symbol: ▼	Page 1 of 1

PROJECT #:		HKV2101			
SITE ADDRESS:		4285 Middle Country Rd, Calverton, NY			
BORING ID:		SB009		BORING DEPTH (FT):	CORE LENGTH (FT):
GRID:		N/A		BORING DIAMETER (IN):	WELL DIAMETER (IN):
DRILLING CONTRACTOR:		Associated Environmental		DATE STARTED:	DATE FINISHED:
DRILLING METHOD:		Direct Push		TIME STARTED:	TIME FINISHED:
DRILLING EQUIPMENT:		Geoprobe 7822DT		LATITUDE:	LONGITUDE:
SAMPLING METHOD:		Macrocore		PROJECT MANAGER:	LOGGED BY:
				Tom Melia	Michael Pecoraro

DEPTH (feet)	SAMPLE INTERVAL	USCS KEY	RECOVERY (feet)	DESCRIPTION NAME (USCS): color, moist, plasticity, gravel, odor	PID Reading (ppm)	DEPTH (feet)	WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS
0				(Topsoil) Brown, dry and no odor	0.4	0	
1						1	
2			4	(Asphalt, Historic Fill, Brick) Black to Red; dry and no odor	0.4	2	
3						3	
4						4	
5						5	
6				(GM) Brown, Silty Sand with Gravel; dry and no odor	0	6	
7			4			7	
8						8	
9				(GW) Light Brown, Medium Grain Sand with Gravel, well sorted; dry and no odor	0	9	
10						10	

P.W. Grosser Consulting	End of Boring Depth (feet): 10	Water Table Symbol: ▼	Page 1 of 1

PROJECT #:		HKV2101			
SITE ADDRESS:		4285 Middle Country Rd, Calverton, NY			
BORING ID:		SB010		BORING DEPTH (FT):	CORE LENGTH (FT):
GRID:		N/A		BORING DIAMETER (IN):	WELL DIAMETER (IN):
DRILLING CONTRACTOR:		Associated Environmental		DATE STARTED:	DATE FINISHED:
DRILLING METHOD:		Direct Push		TIME STARTED:	TIME FINISHED:
DRILLING EQUIPMENT:		Geoprobe 7822DT		LATITUDE:	LONGITUDE:
SAMPLING METHOD:		Macrocore		PROJECT MANAGER:	LOGGED BY:
				Tom Melia	Michael Pecoraro

DEPTH (feet)	SAMPLE INTERVAL	USCS KEY	RECOVERY (feet)	DESCRIPTION NAME (USCS): color, moist, plasticity, gravel, odor	PID Reading (ppm)	DEPTH (feet)	WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS
0				(Topsoil) Brown, dry and no odor	0	0	
1						1	
2						2	
3			5			3	
4						4	
5				(Asphalt, Historic Fill, Brick) Black to Red; dry and no odor	0	5	
6						6	
7			5			7	
8						8	
9				(GM) Brown to Gray, Silty Sand with Gravel; dry and no odor	0	9	
10						10	

P.W. Grosser Consulting	End of Boring Depth (feet): 10	Water Table Symbol: ▼	Page 1 of 1