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September 11, 2023
Project No. 2903-CR

Vernola Trust
P.O. Box 217
Upland, California 91785-0217

Attention: Mr. Rick Bondar

Subject: **Environmental Services**
Vernola Ranch
Tract No. 38504
Jurupa Valley, Riverside County, California

References: See Page 12

Dear Mr. Bondar:

GEO TEK, INC. (GEO TEK) has performed environmental services for Tract No. 38504 located in the City of Jurupa Valley, Riverside County, California. The services were conducted in substantial conformance with GEO TEK Proposal No. P-0803723-CR, dated August 8, 2023, along with project requirements provided by Mr. Alberto Lopez of Riverside County Department of Environmental Health via an email correspondence dated July 26, 2023. Any additions or deletions from the scope of services are discussed in the appropriate sections of this report.

Site and Project Description

The approximately 153-acre irregular-shaped project site is located southwesterly of the corner of Bellegrave Avenue and Pats Ranch Road, in the City of Jurupa Valley, Riverside County, California (See Figure 1). Access to the site is available from Bellegrave Avenue, Pats Ranch Road, and Limonite Avenue, all paved, improved streets located adjacent to the northern, eastern, and southern boundaries of the site, respectively. Interstate Highway 15 ("Ontario Freeway") forms the western boundary of the site but does not provide direct access to the site. A park and ride facility is located adjacent to the extreme southern boundary of the site.

The majority of the site is currently being utilized for agricultural purposes. Several residential structures and large agricultural support outbuildings are present in the northerly portion of the site. The majority of the project site is occupied by corn crops, with earthen berms and scattered trees along the extreme edges of the site.

Background

GEOTEK previously performed a *Phase I and Limited Phase II Environmental Site Assessment* (GEOTEK, 2021) for the project.

Riverside County Department of Environmental Health (DEH) provided review comments based on review of the *Phase I and Limited Phase II Environmental Site Assessment* (GEOTEK, 2021). Hence, GEOTEK prepared a *Response to Review Comments* report (GEOTEK, 2023) to respond to the comments provided by Riverside County DEH.

Riverside County DEH provided review comments based on review of the *Response to Review Comments* report (GEOTEK, 2023). The review comments were received by GEOTEK on July 26, 2023 via an email from Mr. Alberto Lopez. This report provides the additional information/laboratory testing requested by Riverside County DEH in the most recent review comments.

Scope of Work

GEOTEK's scope of work for the project consisted of the following:

- Performance of a geophysical survey within a 10-foot radius of the 14 exploratory borings by a subconsultant (SubSurface Surveys & Associates, Inc.).
- Excavation of 14 exploratory borings on-site utilizing a truck-mounted GeoProbe direct push rig by a subconsultant (Strongarm Environmental Field Services, Inc.).
- Collection of soil samples at various depths in each of the 14 borings.
- Collection of five (5) random soil samples of the existing stockpiled soils located on the site.
- Laboratory testing of soil samples collected from the site, and
- Compilation of this report which presents the findings, conclusions and recommendations.

Field Investigation

The field investigative services at the site commenced on August 16, 2023. SubSurface Surveys & Associates, Inc. performed a geophysical survey within a 10-foot radius of the 14 exploratory borings to locate and identify, if possible, pipes, conduits, utilities and other underground obstructions. A copy of the *Geophysical Investigation Report*, prepared by SubSurface Surveys & Associates, Inc., is included in Appendix A of this report.

On August 18, 2023, GEOTEK advanced 14 exploratory borings (Borings S-1 through S-14) at the site (see Boring and Sample Location Map, Figure 1). The borings were all extended to depths ranging from approximately six (6) inches to one (1) foot.

Additionally, five (5) soil samples were randomly collected from the stockpiled soil on the site (see Boring and Sample Location Map, Figure 1).

Barn Structure Perimeters

Six (6) samples were obtained around one (1) of the barns located in the northeastern portion of the site (Borings S-1 through S-6). These samples were collected at a depth of approximately six (6) inches below existing grades and tested for CAM Metals (EPA Test Methods 6010B and 7471A), Total Petroleum Hydrocarbons (TPH) (EPA Test Method 8015B) and Volatile Organic Compounds (VOCs) (EPA Test Method 8260B).

Four (4) samples were obtained around the remaining barn located in the northeastern portion of the site (Borings S-7 through S-10). These samples were collected at a depth of approximately six (6) inches below existing grades and tested for CAM Metals, TPH and VOCs.

Area Near the 55-Gallon Drums

A total of eight (8) soil samples were collected in this area (S-11 through S-14). Four (4) samples were obtained at a depth of approximately six (6) inches below existing grades and four (4) additional samples were obtained at a depth of approximately 12 inches below existing grades. The samples obtained at a depth of six (6) inches were tested for TPH and VOCs.

Stockpiled Soils

One (1) to two (2) samples, depending on the size of the soil pile, were collected and tested for pesticides (OCPs) (EPA Test Method 8081A), organophosphorus pesticides (OPPs) (EPA Test Method 8141B), herbicides (EPA Test Method 8151A) and CAM Metals.

Soil Laboratory Testing

Twenty-three soil samples were transported and submitted by GEOTEK to a state certified laboratory (Orange Coast Analytical, Inc. of Tustin, California) under proper chain of custody protocols.

Barn Structure Perimeters

Extractable Fuel Hydrocarbons

Analysis of the soil samples had detectable concentrations of diesel and oil (TPH) in two (2) (S-7@6" and S-9@6") of the samples. The applicable results of the TPH laboratory analysis are summarized in the following table:

TPH SUMMARY ANALYTICAL RESULTS

Sample Name	TPH as GROs (C6-C10) Gasoline mg/kg	TPH-d (C10-C25) Diesel (mg/kg)	TPH-mo (C26-C36) Oil (mg/kg)
S-1@6"	<0.20 (ND)	<10 (ND)	<50 (ND)
S-2@6"	<0.20 (ND)	<10 (ND)	<50 (ND)
S-3@6"	<0.20 (ND)	<10 (ND)	<50 (ND)
S-4@6"	<0.20 (ND)	<10 (ND)	<50 (ND)
S-5@6"	<0.20 (ND)	<10 (ND)	<50 (ND)
S-6@6"	<0.20 (ND)	<10 (ND)	<50 (ND)
S-7@6"	<0.20 (ND)	1100	1300
S-8@6"	<0.20 (ND)	<10 (ND)	<50 (ND)
S-9@6"	<0.20 (ND)	17	<50 (ND)
S-10@6"	<0.20 (ND)	<10 (ND)	<50 (ND)
Screening Level	250*	96*	230,000*

mg/kg = milligram per kilogram

ND = Not Detected

* = EPA Regional Screening Level (RSL) for residential soil, May 2023

The concentration of the diesel TPH compound in one (1) of the soil samples (S-9@6") was not above screening levels for residential soils, as determined by EPA Regional Screening Level (RSL) for residential soil, May 2023 (TR=1E-06, HQ=1.0).

The concentration of the oil TPH in one (1) of the soil samples (S-7@6") was not above screening levels for residential soils; however, the concentration of the diesel TPH compound in the soil sample (S-7@6") was above the screening levels for residential soils. Boring S-7 was placed directly in front of the door access to this barn. It is most likely that these soils were

exposed to the diesel TPH due to poor housekeeping procedures during normal operations associated with the barn. No additional samples were retrieved below the sample obtained at six (6) inches. Hence, the vertical extent of the tainted soils is unknown at this time.

Volatile Organics

Analysis of the soil samples did not detect measurable quantities of VOCs.

CAM Metals

Analysis of the soil samples had detected measurable quantities of arsenic in the soil samples tested. The applicable results of the laboratory analysis are summarized in the following tables:

METALS SUMMARY ANALYTICAL RESULTS

Analyte	S-1@6" (mg/kg)	S-2@6" (mg/kg)	S-3@6" (mg/kg)	S-4@6" (mg/kg)	Screening Level (mg/kg)
Antimony	<2.0 (ND)	<2.0 (ND)	<2.0 (ND)	<2.0 (ND)	31*
Arsenic	8.1	5.1	4.7	4.2	0.11**
Barium	79	80	89	58	15,000*
Beryllium	<0.50 (ND)	0.51	<0.50 (ND)	<0.50 (ND)	16**
Cadmium	<0.50 (ND)	0.75	<0.50 (ND)	<0.50 (ND)	7.1*
Chromium	23	93	45	20	***
Cobalt	9.7	9.9	7.3	7.6	23*
Copper	16	25	11	15	3,000*
Lead	6.2	12	7.3	7.9	400*
Mercury	<0.10 (ND)	<0.10 (ND)	<0.10 (ND)	<0.10 (ND)	1**
Molybdenum	<1.0 (ND)	<1.0 (ND)	<1.0 (ND)	1.4	390*
Nickel	17	15	10	10	820**
Selenium	<4.8 (ND)	<4.8 (ND)	<4.8 (ND)	<4.8 (ND)	390*
Silver	<0.50 (ND)	<0.50 (ND)	<0.50 (ND)	<0.50 (ND)	390*
Thallium	<2.0 (ND)	<2.0 (ND)	<2.0 (ND)	<2.0 (ND)	0.78*
Vanadium	38	110	35	37	390*
Zinc	43	100	37	44	23,000*

mg/kg = milligram per kilogram

ND = Not Detected

* = Regional Screening Levels (RSLs) for residential soil (May 2023)

** = DTSC Recommended Screening Levels (RSL) for residential soil (May 2022)

*** = No screening level for total chromium

Analyte	S-5@6" (mg/kg)	S-6@6" (mg/kg)	S-7@6" (mg/kg)	S-8@6" (mg/kg)	Screening Level (mg/kg)
Antimony	<2.0 (ND)	<2.0 (ND)	<2.0 (ND)	<2.0 (ND)	31*
Arsenic	2.4	3.0	5.0	2.6	0.11**
Barium	130	170	150	91	15,000*
Beryllium	0.91	1.2	<0.50 (ND)	<0.50 (ND)	16**
Cadmium	1.1	0.69	2.4	1.7	7.1*
Chromium	110	59	250	37	***
Cobalt	8.9	8.5	12	7.4	23*
Copper	37	24	2300	25	3,000*
Lead	25	13	100	110	400*
Mercury	<0.10 (ND)	<0.10 (ND)	<0.10 (ND)	<0.10 (ND)	1**
Molybdenum	<1.0 (ND)	<1.0 (ND)	36	<1.0 (ND)	390*
Nickel	13	12	66	10	820**
Selenium	<4.8 (ND)	<4.8 (ND)	<4.8 (ND)	<4.8 (ND)	390*
Silver	<0.50 (ND)	<0.50 (ND)	<0.50 (ND)	<0.50 (ND)	390*
Thallium	<2.0 (ND)	<2.0 (ND)	<2.0 (ND)	<2.0 (ND)	0.78*
Vanadium	120	99	28	41	390*
Zinc	170	90	400	130	23,000*

mg/kg = milligram per kilogram

ND = Not Detected

* = Regional Screening Levels (RSLs) for residential soil (May 2023)

** = DTSC Recommended Screening Levels (RSL) for residential soil (May 2022)

*** = No screening level for total chromium

Analyte	S-9@6" (mg/kg)	S-10@6" (mg/kg)	Screening Level (mg/kg)
Antimony	<2.0 (ND)	<2.0 (ND)	31*
Arsenic	<2.0 (ND)	4.6	0.11**
Barium	99	94	15,000*
Beryllium	0.74	<0.50 (ND)	16**
Cadmium	0.79	<0.50 (ND)	7.1*
Chromium	180	47	***
Cobalt	9.0	9.3	23*
Copper	27	18	3,000*
Lead	13	9.7	400*
Mercury	<0.10 (ND)	<0.10 (ND)	1**
Molybdenum	<1.0 (ND)	<1.0 (ND)	390*
Nickel	9.3	13	820**
Selenium	<4.8 (ND)	<4.8 (ND)	390*
Silver	<0.50 (ND)	<0.50 (ND)	390*
Thallium	<2.0 (ND)	<2.0 (ND)	0.78*
Vanadium	250	65	390*
Zinc	66	60	23,000*

mg/kg = milligram per kilogram

ND = Not Detected

* = Regional Screening Levels (RSLs) for residential soil (May 2023)

** = DTSC Recommended Screening Levels (RSL) for residential soil (May 2022)

*** = No screening level for total chromium

EPA and the Department of Toxic Substance Control (DTSC) have acknowledged that naturally occurring arsenic in southern California typically exceeds the maximum screening level, with levels recorded up to 12 mg/kg in many areas ([Human Health Risk Assessment \(HHRA\) Note Number 11 - Southern California Ambient Arsenic Screening Level](#)). The test results are below the typically detected levels of arsenic in the southern California area.

Area Near the 55-Gallon Drums

Extractable Fuel Hydrocarbons

Analysis of the soil samples had detectable concentrations of diesel and oil (TPH) in three (3) (S-11@6"; S-11@12" and S-13@6") of the samples. The applicable results of the TPH laboratory analysis are summarized in the following table:

TPH SUMMARY ANALYTICAL RESULTS

Sample Name	TPH as GROs (C6-C10) Gasoline mg/kg	TPH-d (C10-C25) Diesel (mg/kg)	TPH-mo (C26-C36) Oil (mg/kg)
S-11@6"	<0.20 (ND)	880	1200
S-11@12"	NT	14	110
S-12@6"	<0.20 (ND)	<10 (ND)	<50 (ND)
S-12@12"	NT	NT	NT
S-13@6"	<0.20 (ND)	28	<50 (ND)
S-13@12"	NT	NT	NT
S-14@6"	<0.20 (ND)	<10 (ND)	<50 (ND)
S-14@12"	NT	NT	NT
Screening Level	250*	96*	230,000*

mg/kg = milligram per kilogram

ND = Not Detected

NT = Not Tested

* = EPA Regional Screening Level (RSL) for residential soil, May 2023

The concentration of the diesel TPH compound in sample S-13@6" was not above screening levels for residential soils, as determined by EPA Regional Screening Level (RSL) for residential soil, May 2023 (TR=1E-06, HQ=1.0).

The concentration of the diesel TPH sample S-11@6" was above screening levels for residential soils. Since the sample obtained at S-11@6" obtained levels of TPH above regulatory levels for residential soils, the sample obtained at a depth of 12 inches was also tested for TPH. The concentration of the diesel TPH compound in sample S-11@12" was not above screening levels for residential soils, as determined by EPA Regional Screening Level (RSL) for residential soil, May 2023 (TR=1E-06, HQ=1.0).

Volatile Organics

Analysis of the soil samples did not detect measurable quantities of VOCs.

Stockpiled Soils

Organochlorine Pesticides

Analysis of the soil samples did not detect measurable quantities of OCPs.

Organophosphorus Pesticides

Analysis of the soil samples did not detect measurable quantities of OPPs.

Herbicides

Analysis of the soil samples did not detect measurable quantities of herbicides.

CAM Metals

Analysis of the soil samples had detected measurable quantities of arsenic in the soil samples tested. The applicable results of the laboratory analysis are summarized in the following table:

METALS SUMMARY ANALYTICAL RESULTS

Analyte	S-15 (mg/kg)	S-16 (mg/kg)	S-17 (mg/kg)	S-18 (mg/kg)	S-19 (mg/kg)	Screening Level (mg/kg)
Antimony	<2.0 (ND)	<2.0 (ND)	<2.0 (ND)	<2.0 (ND)	<2.0 (ND)	31*
Arsenic	3.1	3.1	3.5	4.3	4.3	0.11**
Barium	80	70	95	94	86	15,000*
Beryllium	<0.50 (ND)	<0.50 (ND)	<0.50 (ND)	<0.50 (ND)	<0.50 (ND)	16**
Cadmium	<0.50 (ND)	<0.50 (ND)	<0.50 (ND)	<0.50 (ND)	0.54	7.1*
Chromium	20	22	20	23	27	***
Cobalt	6.9	6.7	7.4	8.7	8.2	23*
Copper	19	17	23	20	23	3,000*
Lead	10	8.1	17	11	18	400*
Mercury	<0.10 (ND)	<0.10 (ND)	<0.10 (ND)	<0.10 (ND)	<0.10 (ND)	1**
Molybdenum	<1.0 (ND)	<1.0 (ND)	<1.0 (ND)	<1.0 (ND)	<1.0 (ND)	390*
Nickel	11	11	12	14	13	820**
Selenium	<4.8 (ND)	<4.8 (ND)	<4.8 (ND)	<4.8 (ND)	<4.8 (ND)	390*
Silver	<0.50 (ND)	<0.50 (ND)	<0.50 (ND)	<0.50 (ND)	<0.50 (ND)	390*
Thallium	<2.0 (ND)	<2.0 (ND)	<2.0 (ND)	<2.0 (ND)	<2.0 (ND)	0.78*
Vanadium	34	36	34	37	38	390*
Zinc	68	63	130	77	110	23,000*

mg/kg = milligram per kilogram

ND = Not Detected

* = Regional Screening Levels (RSLs) for residential soil (May 2023)

** = DTSC Recommended Screening Levels (RSL) for residential soil (May 2022)

*** = No screening level for total chromium

EPA and the Department of Toxic Substance Control (DTSC) have acknowledged that naturally occurring arsenic in southern California typically exceeds the maximum screening level, with levels recorded up to 12 mg/kg in many areas ([Human Health Risk Assessment \(HHRA\) Note](#)

[Number 11 - Southern California Ambient Arsenic Screening Level](#)). The test results are below the typically detected levels of arsenic in the southern California area.

Summary

Copies of the laboratory reports and Chain-of-Custody documentation are included in Appendix B of this report.

Conclusions

Barn Structure Perimeters

The concentration of the diesel TPH compound in sample S-7@6" was above the screening levels for residential soils. Boring S-7 was placed directly in front of the door access to this barn. It is most likely that these soils were exposed to the diesel TPH due to poor housekeeping measures during normal operations associated with the barn. No additional samples were retrieved below the sample obtained at six (6) inches. Hence, the vertical extent of the tainted soils is unknown at this time. Based on the above, it is GEOTEK's recommendation to remove an area of soil around the boring location at S-7 a minimum of six (6) inches deep and a horizontal extent of five (5) feet in equal distance from the boring location. This soil should be removed from the site and disposed of in accordance with local regulations. Upon removal of these soils, additional tests should be performed by GEOTEK at the bottom of the excavation in order to determine if additional materials need to be removed.

Area Near the 55-Gallon Drums

The concentration of the diesel TPH sample S-11@6" was above screening levels for residential soils. Since the sample obtained at S-11@6" obtained levels of TPH above regulatory levels for residential soils, the sample obtained at a depth of 12 inches was also tested for TPH. The concentration of the diesel TPH compound in sample S-11@12" was not above screening levels for residential soils, as determined by EPA Regional Screening Level (RSL) for residential soil, May 2023 (TR=1E-06, HQ=1.0). Based on the above, it is GEOTEK's recommendation to remove an area of soil around the boring location at S-11 a minimum of six (6) inches deep and a horizontal extent of five (5) feet in equal distance from the boring location. This soil should be removed from the site and disposed of in accordance with local regulations.

Stockpiled Soils

No additional investigation is considered necessary based on the laboratory test results.

GEOTEK appreciates this opportunity to be of service. If you have any questions, or if GEOTEK can be of further service, please contact the undersigned at (951) 710-1160.

Respectfully Submitted,
GEOTEK, INC.



Handwritten signature of Edward H. LaMont in blue ink.

Edward H. LaMont
CEG No. 1892, Exp. 07/31/24
Principal Geologist

Handwritten signature of Anna M. Scott in blue ink.

Anna M. Scott
Project Geologist

Enclosures: Figure 1 – Boring and Sample Location Location Map
 Appendix A – Geophysical Investigation Report
 Appendix B – Laboratory Test Results

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REFERENCES

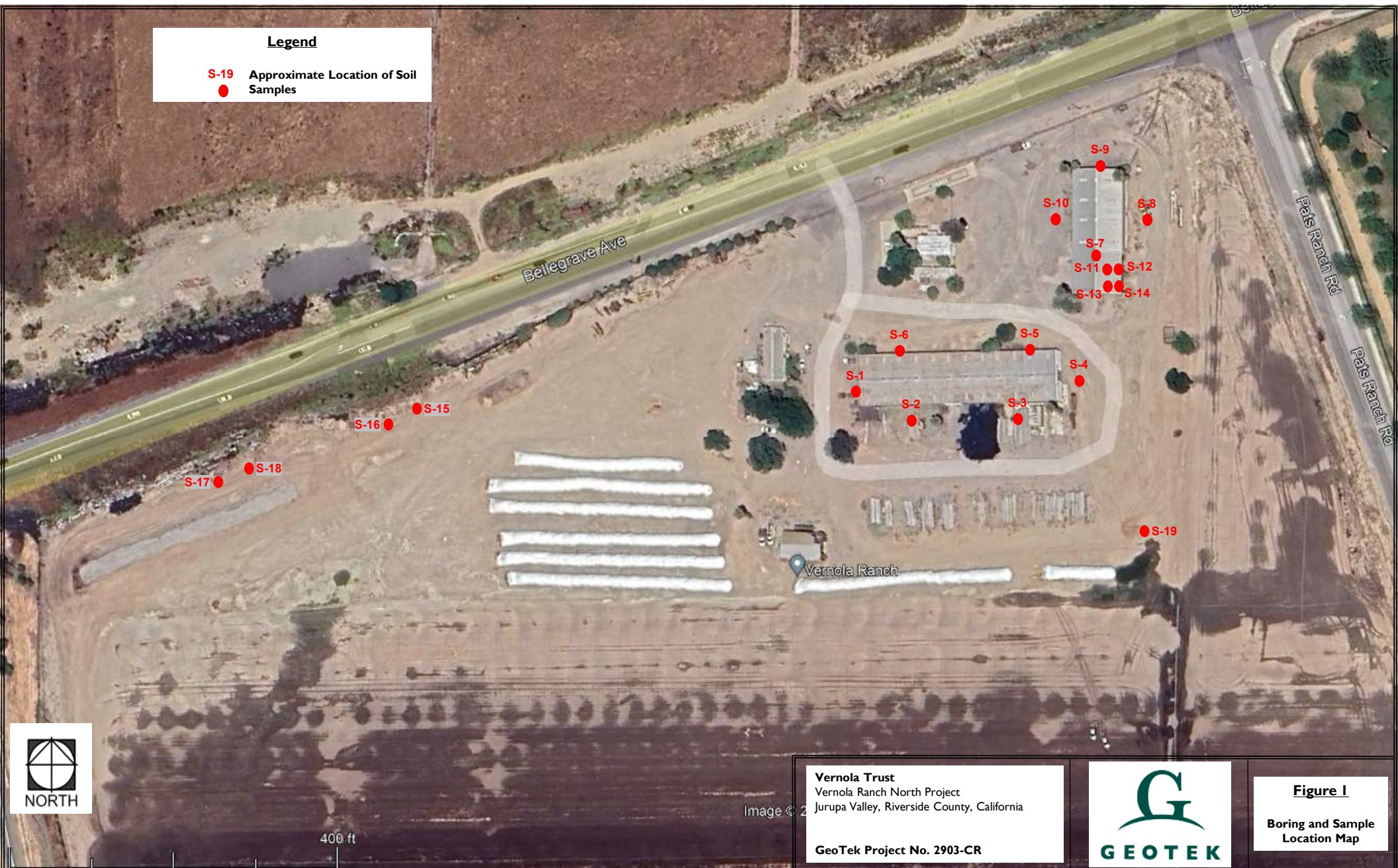
Department of Toxic Substances Control, 2001, "Information Advisory Clean Imported Fill Materials", dated October.

GeoTek, Inc., 2021, "Phase I and Limited Phase II Environmental Site Assessment, Vernola Ranch North Project, 12080 Bellegrave Avenue, City of Jurupa Valley, Riverside County, California 91752," Project No. 2903-CR, dated October 25.

_____, 2023, "Response to Review Comments, Tentative Tract Map 38504, Proposed Residential and Commercial Development, Vernola Ranch, Limonite Avenue and Pats Ranch Road, Jurupa Valley, Riverside County, California," Project No. 2903-CR, dated April 13.

Legend

S-19 Approximate Location of Soil Samples
●



Vernola Trust
Vernola Ranch North Project
Jurupa Valley, Riverside County, California

GeoTek Project No. 2903-CR



Figure 1

**Boring and Sample
Location Map**

APPENDIX A
GEOPHYSICAL INVESTIGATION REPORT

August 17, 2023

Project/Invoice No. 23-304

GeoTek

1548 North Maple Street
Corona, CA 92878

Attn: **Daniel Whitmer**

Re: Geophysical Investigation Report, 12080 Bellegrave Ave, Mira Loma, California 91752

This report is to present the results of our geophysical survey carried out at 12080 Bellegrave Ave, Mira Loma, California 91752 (Figure 1). The survey was performed on August 16, 2023, and its primary purpose was to locate and identify, insofar as possible, pipes, conduits, utilities, and other underground obstructions within a ten (10) foot radius around fourteen (14) proposed boreholes.

A combination of electromagnetic induction (EM), magnetometry, and ground penetrating radar (GPR) were brought to the field in anticipation of use. Utility locators with line tracing capabilities were also used where applicable.

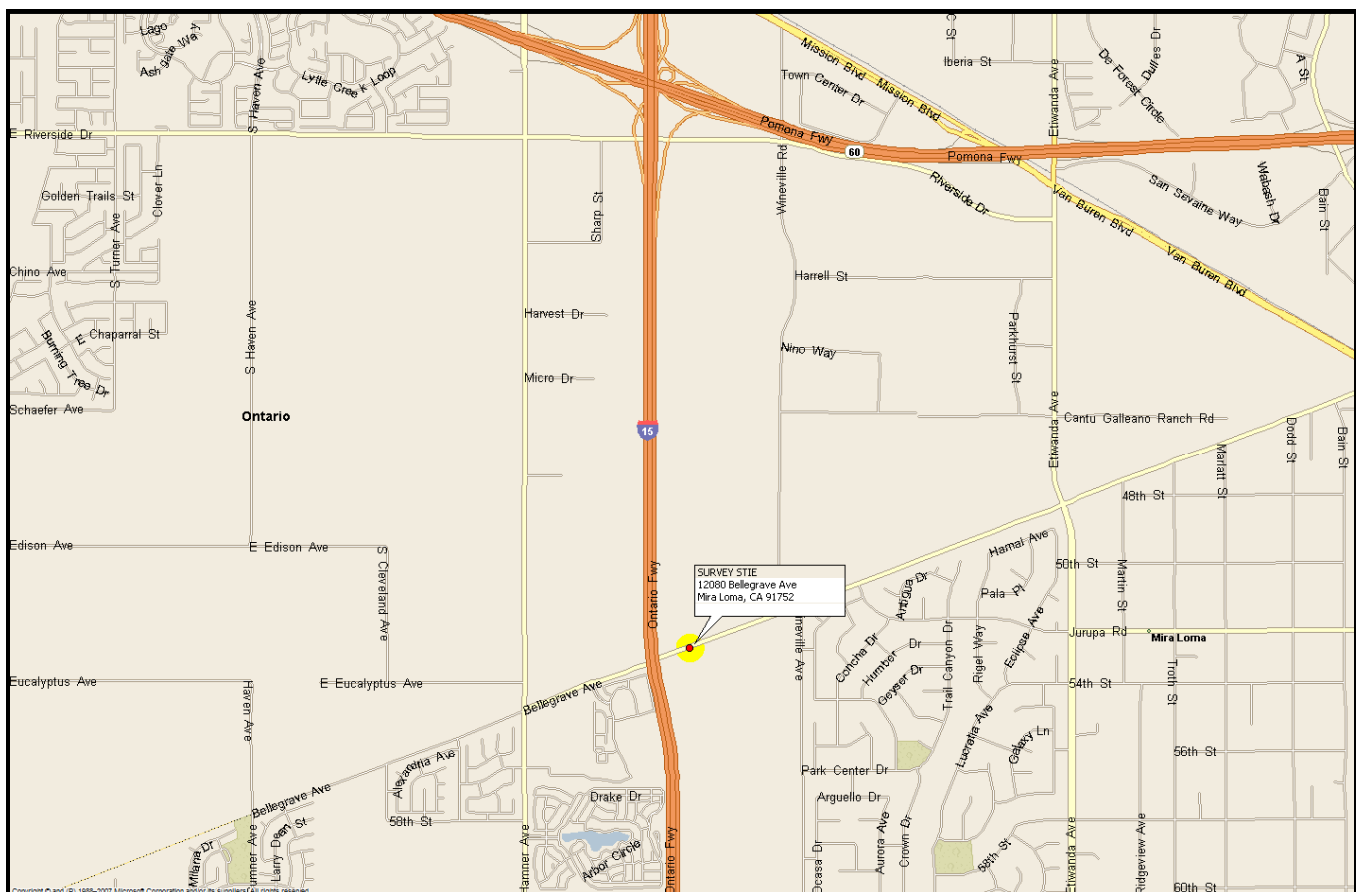


FIGURE 1. Site location map.

Survey Design – The area of investigation was located at a rural farm. The proposed boreholes were located throughout property with a focus around two (2) outbuildings. The exact locations of the boreholes were indicated in the field by the client.

For all survey objectives, the best use of time was achieved by systematically free-traversing with the instruments while monitoring them manually, continuously, and in real-time to determine which responses were significant and due to true subsurface targets, and which were due to other non-target or above-ground features and must be ignored (an example being parked machinery and nearby irrigation piping). In these situations, the free-traversing method is advantageous in that it allows for immediate detection of anomalous objects and facilitates the opportunity to investigate them further despite the obstructions and without the need to first download data. Where space was available for traversing, the EM devices, magnetic gradiometer, and GPR were traversed systematically over the survey areas in multiple, organized directions. Other traverses were taken for detailing and confirmation where anomalous conditions were found.

In addition, the line tracers were used to impress signals onto pipes, generally through accessible risers and tracer wires when present, to delineate the lines' locations and orientations. The instruments were also used in passive mode, configured to detect 60 Hz electrical signals and other common radio-frequency signals found in active electrical and communication lines.

A Geonic's model EM61 and a Fischer M-Scope was used for the EM sampling. A Sensors & Software Noggin Ground Penetrating Radar unit with a 500 MHz antenna produced the radar images. The magnetic gradiometer was a Schonstedt GA-52, and a Metrotech 9890 and RIDGID SR-60 SeekTech utility locator rounded out the tools applied.

Brief Description of the Geophysical Methods Applied – The EM61 instrument is a high resolution, time-domain device for detecting buried conductive objects. It consists of a powerful transmitter that generates a pulsed primary magnetic field when its coils are energized, which induces eddy currents in nearby conductive objects. The decay of the eddy currents, following the input pulse, is measured by the coils, which in turn serve as receiver coils. The decay rate is measured for two coils, mounted concentrically, one above the other. By making the measurements at a relatively long time interval (measured in milliseconds) after termination of the primary pulse, the response is nearly independent of the electrical conductivity of the ground. Thus, the instrument is a super-sensitive metal detector. Due to its unique coil arrangement, the response curve is a single well-defined positive peak directly over a buried conductive object. This facilitates quick and accurate location of targets.

The M-Scope device energizes the ground by producing an alternating primary magnetic field with AC current in a transmitting coil. If conducting materials are within the area of influence of the primary field, AC eddy currents are induced to flow in the conductors. A receiving coil senses the secondary magnetic field produced by these eddy currents, and outputs the response as anomalous conditions. The strength of the secondary field is a function of the conductivity of the object; say a pipe, tank or cluster of drums, its size, and its depth and position relative to the instrument's two coils. Conductive objects, to a depth of approximately 7 feet below ground surface (bgs) for the M-Scope are sensed. The device is also somewhat focused; that is, it is more sensitive to conductors below the instrument than they are to conductors off to the side.

The GPR instrument beams energy into the ground from its transducer/antenna, in the form of

electromagnetic waves. A portion of this energy is reflected back to the antenna at a boundary in the subsurface across which there is an electrical contrast. The instrument produces a continuous record of the reflected energy as the antenna is traversed across the ground surface. The greater the electrical contrast, the higher the amplitude of the returned energy. The radar wave travels at a velocity unique to the material properties of the ground being investigated, and when these velocities are known, the two-way travel times can be converted to depth. The depth of penetration and image resolution produced are a function of ground electrical conductivity and dielectric constant.

The magnetic gradiometer has two flux gate magnetic fixed sensors that are passed closely to and over the ground. When not in close proximity to a magnetic object, that is, only in the earth's field, the instrument emits a sound signal at a low frequency. When the instrument passes over a buried iron or steel object, so that locally there is a high magnetic gradient, the frequency of the emitted sound increases. The frequency is a function of the gradient between the two sensors.

The line locator is used to passively detect energized high voltage electric lines and electrical conduit (50-60 Hz), VLF signals (14-22 kHz), as well as to actively trace other utilities. Where risers are present, the utility locator transmitter can be connected directly to the object, and a signal (9.8-82 kHz) is sent traveling along the conductor, pipe, conduit, etc. In the absence of a riser, the transmitter can be used to impress an input signal on the utility by induction. In either case, the receiver unit is tuned to the input signal, and is used to actively trace the signal along the pipe's surface projection.

Interpretation and Conclusions - The interpretation took place in real time as the survey progressed, and accordingly, the findings of our investigation were marked on the ground cover at the site using spray chalk, reported to the client, and are further documented with site photographs of the proposed boreholes (Figures 2-15).

Items detected in the vicinity of the boreholes were marked in coordinated standard colors including red for electric, blue for water, yellow for gas, and pink for unknown utilities. Please review the site photographs for the locations and orientations of all items found within the vicinity of the boreholes.

At the conclusion of the survey, all boreholes were either clear as where originally positioned by the client or were moved slightly to provide adequate clearance from detected obstructions. In their final locations, each drill location was marked in white with a yellow "SSS" to indicate that they had been checked by company personnel.

Limitations and Further Recommendations - It should be understood that limitations inherent in geophysical instruments and/or surveying techniques exist at all sites, and nearly all sites exhibit conditions under which such might not perform optimally. Consequently, the detection of buried objects in all circumstances **cannot be guaranteed**. Such limitations are numerous and include, but are not limited to, rebar-reinforced ground cover, abrupt changes in ground cover type, above-ground obstacles preventing full traverses or traverses in one direction only, above-ground conductive objects interfering with instrument signal, nearby powerlines or EM transmitters, highly conductive background soil conditions, limited GPR penetration, non-metallic targets, shallower or larger objects shielding deeper or smaller targets, tracing signal jumping from one line to another, and inaccessible risers, cleanouts, valve boxes, and manholes. If one or more geophysical instrument is rendered ineffective and cannot be utilized, the quality of the survey can be somewhat degraded.

For the above reasons, and in the interest of maximum safety, we encourage our clients to take advantage of Underground Service Alert (USA), Dig Alert, or other similar services, when possible. Furthermore, we recommend hand-auguring and the use of a drilling method known as air knifing or vacuum extraction, when feasible or if applicable to this project. These methods may significantly limit damage to underground pipes, conduits, and utilities that might not have been detectable during the course of this survey. Please bear in mind, that geophysical surveying is only one of several levels of protection that is available to our clients.

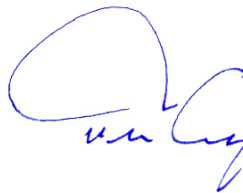
SubSurface Surveys may include maps in some reports. While they are an accurate general representation of the site and our findings, they are not of engineering quality (i.e., measured and mapped by a licensed land surveyor).

SubSurface Surveys and Associates makes no guarantee either expressed or implied regarding the accuracy of the findings and interpretations present. And, in no event will SubSurface Surveys and Associates be liable for any direct, indirect, special, incidental, or consequential damages resulting from interpretations and opinions presented herewith.

All data generated on this project are in confidential file in this office, and are available for review by authorized persons at any time. The opportunity to participate in this investigation is very much appreciated. Please call, if there are questions.



Dustin Renck
Staff Geophysicist, SubSurface Surveys



Travis Crosby
CA State Geophysics Registration GP1044
Senior Geophysicist, SubSurface Surveys

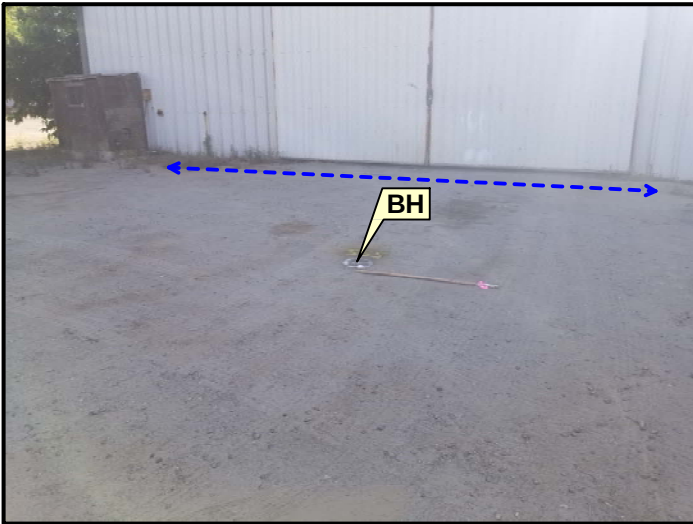


Figure 2



Figure 3



Figure 4



Figure 5

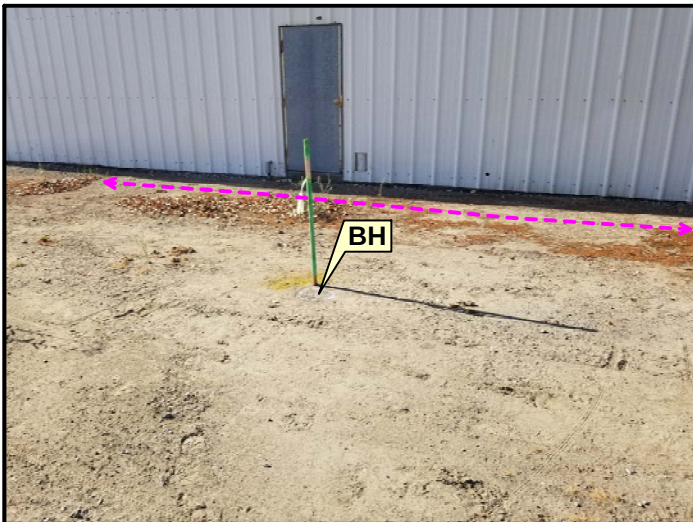


Figure 6

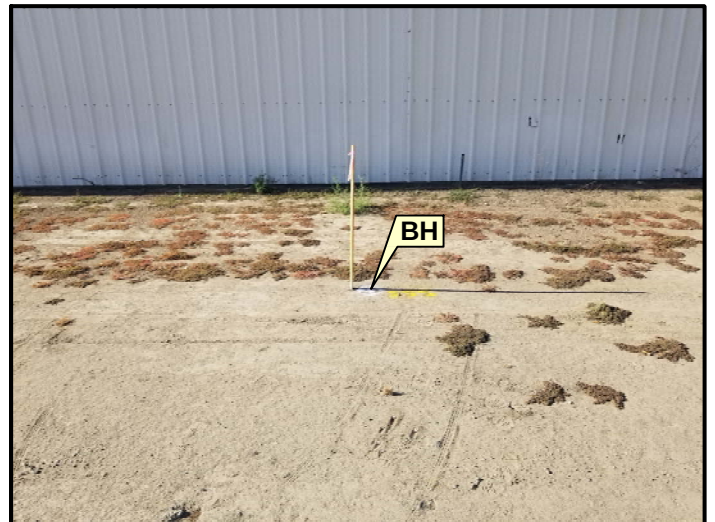


Figure 7



SITE:
12080 Bellegrave Avenue
Mira Loma, California 91752

TITLE:
Site Photographs
PREPARED FOR:
GeoTek

SURVEY DATE:
August 16, 2023
SSS PROJECT NO:
23-304



Figure 8

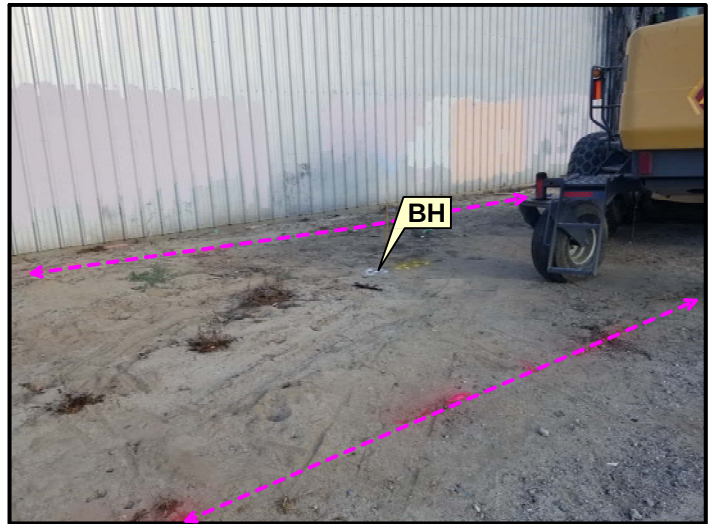


Figure 9

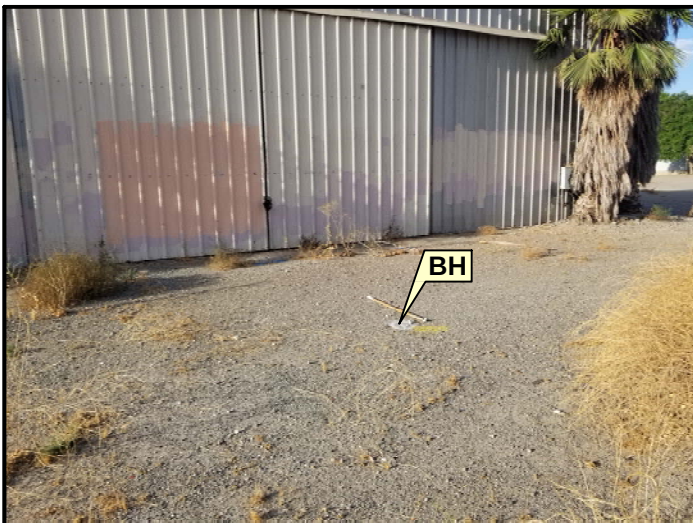


Figure 10

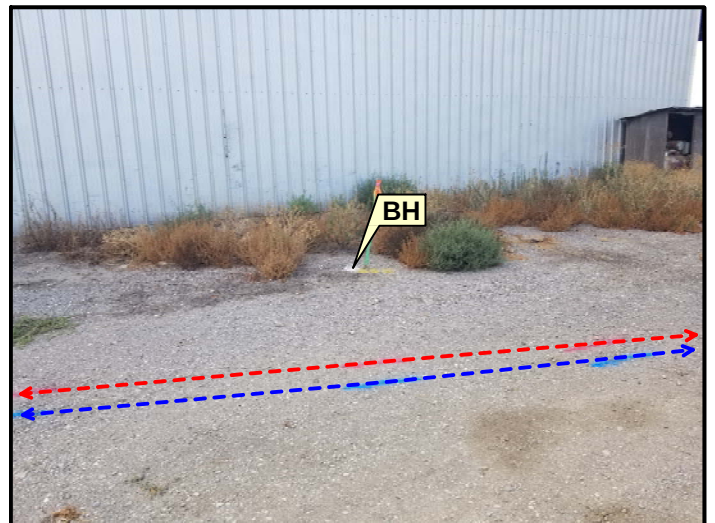


Figure 11

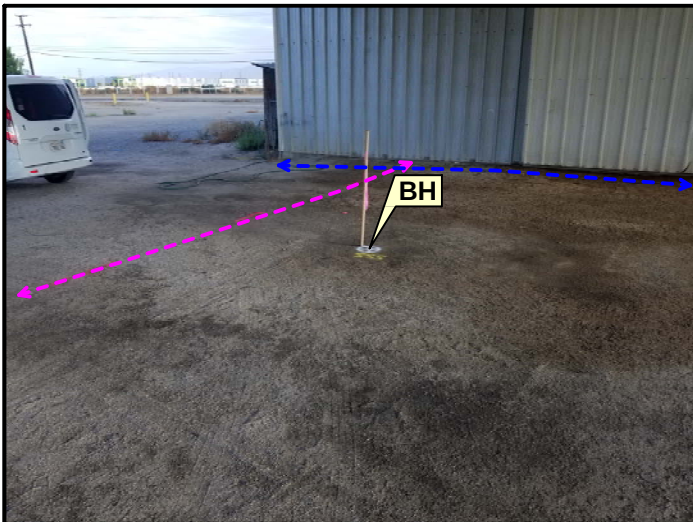


Figure 12

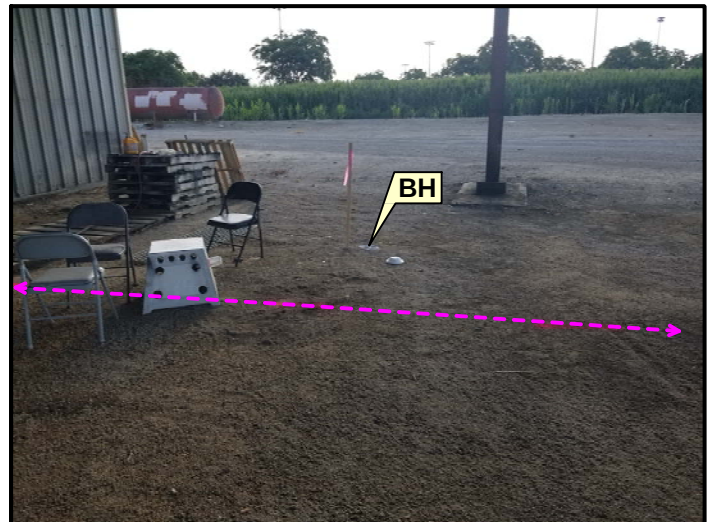


Figure 13



SITE:
12080 Bellegrave Avenue
Mira Loma, California 91752

TITLE:
Site Photographs
PREPARED FOR:
GeoTek

SURVEY DATE:
August 16, 2023

SSS PROJECT NO:
23-304



Figure 14

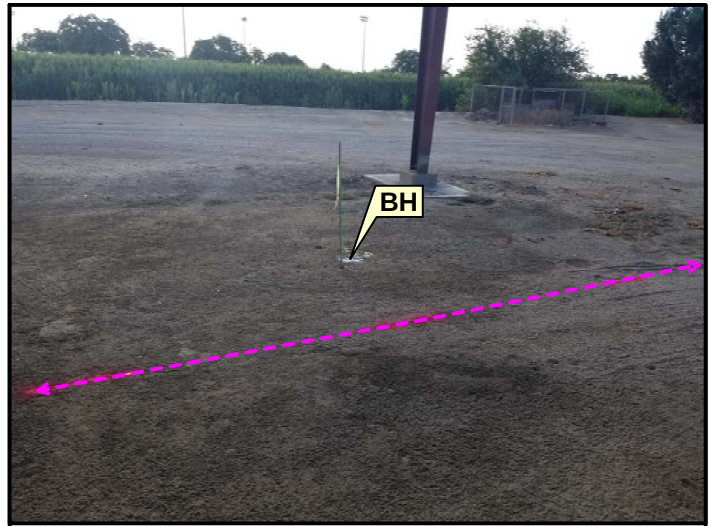


Figure 15

No Photo

No Photo

No Photo

No Photo



SITE:
12080 Bellegrave Avenue
Mira Loma, California 91752

TITLE:
Site Photographs
PREPARED FOR:
GeoTek

SURVEY DATE:
August 16, 2023

SSS PROJECT NO:
23-304

APPENDIX B
LABORATORY TEST RESULTS



Orange Coast Analytical, Inc.

3002 Dow, Suite 532, Tustin, CA 92780 (714) 832-0064 Fax (714) 832-0067
4620 E. Elwood, Suite 4, Phoenix, AZ 85040 (480) 736-0960 Fax (480) 736-0970

LABORATORY REPORT FORM

ORANGE COAST ANALYTICAL, INC.

3002 Dow Suite 532 Tustin, CA 92780

(714) 832-0064

Laboratory Certification (ELAP) No.:2576

Expiration Date: 2025

Los Angeles County Sanitation District Lab ID# 10206

Laboratory Director's Name:

Mark Noorani

Client: GeoTek, Inc.

Laboratory Reference: GTK 28077

Project Name: Vernola Trust

Project Number: 2903-CR

Date Received: 8/18/2023

Date Reported: 9/5/2023

Chain of Custody Received: ☒

Analytical Method: 8015B, 8081A, 8151A, 8260B, 6010B, 7471A,

Mark Noorani, Laboratory Director

Ms. Anna Scott
GeoTek, Inc.
1548 N. Maple St
Corona, CA, 92880

Lab Reference # GTK 28077
Project Name: Vernola Trust
Project #: 2903-CR

Case Narrative

Sample Receipt:

All samples on the Chain of Custody were received by OCA at 1°C, on ice.

Holding Times:

All samples were analyzed within required holding times unless otherwise noted in the data qualifier section of the report.

Analytical Methods:

Sample analysis was performed following the analytical methods listed on the cover page.

Data Qualifiers:

Within this report, data qualifiers may have been assigned to clarify deviations in common laboratory procedures or any divergence from laboratory QA/QC criteria. If a data qualifier has been used, it will appear in the back of the report along with its description. All method QA/QC criteria have been met unless otherwise noted in the data qualifier section.

Definition of Terms:

The definitions of common terms and acronyms used in the report have been placed at the back of the report to assist data users.

Comments:

None

Ms. Anna Scott
GeoTek, Inc.
1548 N. Maple St
Corona, CA, 92880

Lab Reference # GTK 28077
Project Name: Vernola Trust
Project #: 2903-CR

Client Sample Summary

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
S-1 @6"	28077-001	8/18/2023	8/18/2023	Soil
S-2 @6"	28077-002	8/18/2023	8/18/2023	Soil
S-3 @6"	28077-003	8/18/2023	8/18/2023	Soil
S-4 @6"	28077-004	8/18/2023	8/18/2023	Soil
S-5 @6"	28077-005	8/18/2023	8/18/2023	Soil
S-6 @6"	28077-006	8/18/2023	8/18/2023	Soil
S-7 @6"	28077-007	8/18/2023	8/18/2023	Soil
S-8 @6"	28077-008	8/18/2023	8/18/2023	Soil
S-9 @6"	28077-009	8/18/2023	8/18/2023	Soil
S-10 @6"	28077-010	8/18/2023	8/18/2023	Soil
S-11 @6"	28077-011	8/18/2023	8/18/2023	Soil
S-11 @1'	28077-012	8/18/2023	8/18/2023	Soil
S-12 @6"	28077-013	8/18/2023	8/18/2023	Soil
S-12 @1'	28077-014	8/18/2023	8/18/2023	Soil
S-13 @6"	28077-015	8/18/2023	8/18/2023	Soil
S-13 @1'	28077-016	8/18/2023	8/18/2023	Soil
S-14 @6"	28077-017	8/18/2023	8/18/2023	Soil
S-14 @1'	28077-018	8/18/2023	8/18/2023	Soil
S-15	28077-019	8/18/2023	8/18/2023	Soil
S-16	28077-020	8/18/2023	8/18/2023	Soil
S-17	28077-021	8/18/2023	8/18/2023	Soil
S-18	28077-022	8/18/2023	8/18/2023	Soil
S-19	28077-023	8/18/2023	8/18/2023	Soil

Ms. Anna Scott
GeoTek, Inc.
1548 N. Maple St
Corona, CA, 92880

Lab Reference # GTK 28077
Project Name: Vernola Trust
Project #: 2903-CR

Extractable Fuel Hydrocarbons (EPA 8015B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
S-1 @6"	28077-001	8/18/2023 11:59	8/18/2023	8/21/2023 15:15	8/29/2023 6:14	Soil
<u>ANALYTE</u>	<u>mg/kg</u>			<u>Surrogate:</u>	<u>% RC*</u>	
DROs	<10			Octacosane	69	
<u>Dilution Factor:</u>	1			* Acc Recovery:	33-186 %	
<u>Data Qualifiers:</u>	None					
S-1 @6"	28077-001	8/18/2023 11:59	8/18/2023	8/21/2023 15:15	8/29/2023 6:14	Soil
<u>ANALYTE</u>	<u>mg/kg</u>			<u>Surrogate:</u>	<u>% RC*</u>	
MROs	<50			Octacosane	69	
<u>Dilution Factor:</u>	1			* Acc Recovery:	33-186 %	
<u>Data Qualifiers:</u>	None					
S-2 @6"	28077-002	8/18/2023 11:59	8/18/2023	8/21/2023 15:15	8/29/2023 6:49	Soil
<u>ANALYTE</u>	<u>mg/kg</u>			<u>Surrogate:</u>	<u>% RC*</u>	
DROs	<10			Octacosane	76	
<u>Dilution Factor:</u>	1			* Acc Recovery:	33-186 %	
<u>Data Qualifiers:</u>	None					
S-2 @6"	28077-002	8/18/2023 11:59	8/18/2023	8/21/2023 15:15	8/29/2023 6:49	Soil
<u>ANALYTE</u>	<u>mg/kg</u>			<u>Surrogate:</u>	<u>% RC*</u>	
MROs	<50			Octacosane	76	
<u>Dilution Factor:</u>	1			* Acc Recovery:	33-186 %	
<u>Data Qualifiers:</u>	None					
S-3 @6"	28077-003	8/18/2023 11:59	8/18/2023	8/21/2023 15:15	8/29/2023 7:26	Soil
<u>ANALYTE</u>	<u>mg/kg</u>			<u>Surrogate:</u>	<u>% RC*</u>	
DROs	<10			Octacosane	72	
<u>Dilution Factor:</u>	1			* Acc Recovery:	33-186 %	
<u>Data Qualifiers:</u>	None					

Ms. Anna Scott
GeoTek, Inc.
1548 N. Maple St
Corona, CA, 92880

Lab Reference # GTK 28077
Project Name: Vernola Trust
Project #: 2903-CR

Extractable Fuel Hydrocarbons (EPA 8015B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
S-3 @6"	28077-003	8/18/2023 11:59	8/18/2023	8/21/2023 15:15	8/29/2023 7:26	Soil
<u>ANALYTE</u>	<u>mg/kg</u>			<u>Surrogate:</u>	<u>% RC*</u>	
MROs	<50			Octacosane	72	
<u>Dilution Factor:</u>	1			* Acc Recovery:	33-186 %	
<u>Data Qualifiers:</u>	None					
S-4 @6"	28077-004	8/18/2023 11:59	8/18/2023	8/21/2023 15:15	8/29/2023 8:02	Soil
<u>ANALYTE</u>	<u>mg/kg</u>			<u>Surrogate:</u>	<u>% RC*</u>	
DROs	<10			Octacosane	51	
<u>Dilution Factor:</u>	1			* Acc Recovery:	33-186 %	
<u>Data Qualifiers:</u>	None					
S-4 @6"	28077-004	8/18/2023 11:59	8/18/2023	8/21/2023 15:15	8/29/2023 8:02	Soil
<u>ANALYTE</u>	<u>mg/kg</u>			<u>Surrogate:</u>	<u>% RC*</u>	
MROs	<50			Octacosane	51	
<u>Dilution Factor:</u>	1			* Acc Recovery:	33-186 %	
<u>Data Qualifiers:</u>	None					
S-5 @6"	28077-005	8/18/2023 11:59	8/18/2023	8/21/2023 15:15	8/29/2023 10:25	Soil
<u>ANALYTE</u>	<u>mg/kg</u>			<u>Surrogate:</u>	<u>% RC*</u>	
DROs	<10			Octacosane	118	
<u>Dilution Factor:</u>	1			* Acc Recovery:	33-186 %	
<u>Data Qualifiers:</u>	None					
S-5 @6"	28077-005	8/18/2023 11:59	8/18/2023	8/21/2023 15:15	8/29/2023 10:25	Soil
<u>ANALYTE</u>	<u>mg/kg</u>			<u>Surrogate:</u>	<u>% RC*</u>	
MROs	<50			Octacosane	118	
<u>Dilution Factor:</u>	1			* Acc Recovery:	33-186 %	
<u>Data Qualifiers:</u>	None					

Ms. Anna Scott
GeoTek, Inc.
1548 N. Maple St
Corona, CA, 92880

Lab Reference # GTK 28077
Project Name: Vernola Trust
Project #: 2903-CR

Extractable Fuel Hydrocarbons (EPA 8015B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
S-6 @6"	28077-006	8/18/2023 11:59	8/18/2023	8/21/2023 15:15	8/29/2023 11:01	Soil
<u>ANALYTE</u>	<u>mg/kg</u>			<u>Surrogate:</u>	<u>% RC*</u>	
DROs	<10			Octacosane	85	
<u>Dilution Factor:</u>	1			* Acc Recovery:	33-186 %	
<u>Data Qualifiers:</u>	None					
S-6 @6"	28077-006	8/18/2023 11:59	8/18/2023	8/21/2023 15:15	8/29/2023 11:01	Soil
<u>ANALYTE</u>	<u>mg/kg</u>			<u>Surrogate:</u>	<u>% RC*</u>	
MROs	<50			Octacosane	85	
<u>Dilution Factor:</u>	1			* Acc Recovery:	33-186 %	
<u>Data Qualifiers:</u>	None					
S-7 @6"	28077-007	8/18/2023 11:59	8/18/2023	8/21/2023 15:15	8/29/2023 11:38	Soil
<u>ANALYTE</u>	<u>mg/kg</u>			<u>Surrogate:</u>	<u>% RC*</u>	
DROs	1100			Octacosane	104	
<u>Dilution Factor:</u>	1			* Acc Recovery:	33-186 %	
<u>Data Qualifiers:</u>	None					
S-7 @6"	28077-007	8/18/2023 11:59	8/18/2023	8/21/2023 15:15	8/29/2023 11:38	Soil
<u>ANALYTE</u>	<u>mg/kg</u>			<u>Surrogate:</u>	<u>% RC*</u>	
MROs	1300			Octacosane	104	
<u>Dilution Factor:</u>	1			* Acc Recovery:	33-186 %	
<u>Data Qualifiers:</u>	None					
S-8 @6"	28077-008	8/18/2023 11:59	8/18/2023	8/21/2023 15:15	8/29/2023 12:14	Soil
<u>ANALYTE</u>	<u>mg/kg</u>			<u>Surrogate:</u>	<u>% RC*</u>	
DROs	<10			Octacosane	88	
<u>Dilution Factor:</u>	1			* Acc Recovery:	33-186 %	
<u>Data Qualifiers:</u>	None					

Ms. Anna Scott
GeoTek, Inc.
1548 N. Maple St
Corona, CA, 92880

Lab Reference # GTK 28077
Project Name: Vernola Trust
Project #: 2903-CR

Extractable Fuel Hydrocarbons (EPA 8015B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
S-8 @6"	28077-008	8/18/2023 11:59	8/18/2023	8/21/2023 15:15	8/29/2023 12:14	Soil
<u>ANALYTE</u>	<u>mg/kg</u>			<u>Surrogate:</u>	<u>% RC*</u>	
MROs	<50			Octacosane	88	
<u>Dilution Factor:</u>	1			* Acc Recovery:	33-186 %	
<u>Data Qualifiers:</u>	None					
S-9 @6"	28077-009	8/18/2023 11:59	8/18/2023	8/21/2023 15:15	8/29/2023 12:50	Soil
<u>ANALYTE</u>	<u>mg/kg</u>			<u>Surrogate:</u>	<u>% RC*</u>	
DROs	17			Octacosane	72	
<u>Dilution Factor:</u>	1			* Acc Recovery:	33-186 %	
<u>Data Qualifiers:</u>	None					
S-9 @6"	28077-009	8/18/2023 11:59	8/18/2023	8/21/2023 15:15	8/29/2023 12:50	Soil
<u>ANALYTE</u>	<u>mg/kg</u>			<u>Surrogate:</u>	<u>% RC*</u>	
MROs	<50			Octacosane	72	
<u>Dilution Factor:</u>	1			* Acc Recovery:	33-186 %	
<u>Data Qualifiers:</u>	None					
S-10 @6"	28077-010	8/18/2023 11:59	8/18/2023	8/21/2023 15:15	8/29/2023 13:27	Soil
<u>ANALYTE</u>	<u>mg/kg</u>			<u>Surrogate:</u>	<u>% RC*</u>	
DROs	<10			Octacosane	82	
<u>Dilution Factor:</u>	1			* Acc Recovery:	33-186 %	
<u>Data Qualifiers:</u>	None					
S-10 @6"	28077-010	8/18/2023 11:59	8/18/2023	8/21/2023 15:15	8/29/2023 13:27	Soil
<u>ANALYTE</u>	<u>mg/kg</u>			<u>Surrogate:</u>	<u>% RC*</u>	
MROs	<50			Octacosane	82	
<u>Dilution Factor:</u>	1			* Acc Recovery:	33-186 %	
<u>Data Qualifiers:</u>	None					

Ms. Anna Scott
GeoTek, Inc.
1548 N. Maple St
Corona, CA, 92880

Lab Reference # GTK 28077
Project Name: Vernola Trust
Project #: 2903-CR

Extractable Fuel Hydrocarbons (EPA 8015B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
S-11 @6"	28077-011	8/18/2023 11:59	8/18/2023	8/21/2023 15:15	8/29/2023 14:03	Soil
<u>ANALYTE</u>	<u>mg/kg</u>			<u>Surrogate:</u>	<u>% RC*</u>	
DROs	880			Octacosane	81	
<u>Dilution Factor:</u>	1			* Acc Recovery:	33-186 %	
<u>Data Qualifiers:</u>	None					
S-11 @6"	28077-011	8/18/2023 11:59	8/18/2023	8/21/2023 15:15	8/29/2023 14:03	Soil
<u>ANALYTE</u>	<u>mg/kg</u>			<u>Surrogate:</u>	<u>% RC*</u>	
MROs	1200			Octacosane	81	
<u>Dilution Factor:</u>	1			* Acc Recovery:	33-186 %	
<u>Data Qualifiers:</u>	None					
S-12 @6"	28077-013	8/18/2023 11:59	8/18/2023	8/21/2023 15:15	8/29/2023 14:40	Soil
<u>ANALYTE</u>	<u>mg/kg</u>			<u>Surrogate:</u>	<u>% RC*</u>	
DROs	<10			Octacosane	72	
<u>Dilution Factor:</u>	1			* Acc Recovery:	33-186 %	
<u>Data Qualifiers:</u>	None					
S-12 @6"	28077-013	8/18/2023 11:59	8/18/2023	8/21/2023 15:15	8/29/2023 14:40	Soil
<u>ANALYTE</u>	<u>mg/kg</u>			<u>Surrogate:</u>	<u>% RC*</u>	
MROs	<50			Octacosane	72	
<u>Dilution Factor:</u>	1			* Acc Recovery:	33-186 %	
<u>Data Qualifiers:</u>	None					
S-13 @6"	28077-015	8/18/2023 11:59	8/18/2023	8/21/2023 15:15	8/29/2023 15:16	Soil
<u>ANALYTE</u>	<u>mg/kg</u>			<u>Surrogate:</u>	<u>% RC*</u>	
DROs	28			Octacosane	80	
<u>Dilution Factor:</u>	1			* Acc Recovery:	33-186 %	
<u>Data Qualifiers:</u>	None					

Ms. Anna Scott
GeoTek, Inc.
1548 N. Maple St
Corona, CA, 92880

Lab Reference # GTK 28077
Project Name: Vernola Trust
Project #: 2903-CR

Extractable Fuel Hydrocarbons (EPA 8015B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
S-13 @6"	28077-015	8/18/2023 11:59	8/18/2023	8/21/2023 15:15	8/29/2023 15:16	Soil
<u>ANALYTE</u>	<u>mg/kg</u>			<u>Surrogate:</u>	<u>% RC*</u>	
MROs	<50			Octacosane	80	
<u>Dilution Factor:</u>	1			* Acc Recovery:	33-186 %	
<u>Data Qualifiers:</u>	None					
S-14 @6"	28077-017	8/18/2023 11:59	8/18/2023	8/21/2023 15:15	8/29/2023 15:53	Soil
<u>ANALYTE</u>	<u>mg/kg</u>			<u>Surrogate:</u>	<u>% RC*</u>	
DROs	<10			Octacosane	81	
<u>Dilution Factor:</u>	1			* Acc Recovery:	33-186 %	
<u>Data Qualifiers:</u>	None					
S-14 @6"	28077-017	8/18/2023 11:59	8/18/2023	8/21/2023 15:15	8/29/2023 15:53	Soil
<u>ANALYTE</u>	<u>mg/kg</u>			<u>Surrogate:</u>	<u>% RC*</u>	
MROs	<50			Octacosane	81	
<u>Dilution Factor:</u>	1			* Acc Recovery:	33-186 %	
<u>Data Qualifiers:</u>	None					
Method Blank	MBRC0821232			8/21/2023 15:15	8/29/2023 2:05	Soil
<u>ANALYTE</u>	<u>mg/kg</u>			<u>Surrogate:</u>	<u>% RC*</u>	
DROs	<10			Octacosane	49	
<u>Dilution Factor:</u>	1			* Acc Recovery:	33-186 %	
<u>Data Qualifiers:</u>	None					
Method Blank	MBRC0821232			8/21/2023 15:15	8/29/2023 2:05	Soil
<u>ANALYTE</u>	<u>mg/kg</u>			<u>Surrogate:</u>	<u>% RC*</u>	
MROs	<50			Octacosane	49	
<u>Dilution Factor:</u>	1			* Acc Recovery:	33-186 %	
<u>Data Qualifiers:</u>	None					

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Lab Reference # GTK 28077
Project Name: Vernola Trust
Project #: 2903-CR

Gasoline Range Organics - GROs (EPA 8015B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
S-1 @6"	28077-001	8/18/2023 11:59	8/18/2023	8/23/2023 10:00	8/23/2023 12:25	Soil
<u>ANALYTE</u>	<u>mg/kg</u>			<u>Surrogate:</u>	<u>% RC*</u>	
GROs ¹	<0.20			α - α - α -Trifluorotoluene	42	
<u>Dilution Factor:</u> 1				* Acceptable Recovery: 33-132 %		
<u>Data Qualifiers:</u> None						
S-2 @6"	28077-002	8/18/2023 11:59	8/18/2023	8/23/2023 10:00	8/23/2023 12:44	Soil
<u>ANALYTE</u>	<u>mg/kg</u>			<u>Surrogate:</u>	<u>% RC*</u>	
GROs ¹	<0.20			α - α - α -Trifluorotoluene	47	
<u>Dilution Factor:</u> 1				* Acceptable Recovery: 33-132 %		
<u>Data Qualifiers:</u> None						
S-3 @6"	28077-003	8/18/2023 11:59	8/18/2023	8/23/2023 10:00	8/23/2023 13:04	Soil
<u>ANALYTE</u>	<u>mg/kg</u>			<u>Surrogate:</u>	<u>% RC*</u>	
GROs ¹	<0.20			α - α - α -Trifluorotoluene	50	
<u>Dilution Factor:</u> 1				* Acceptable Recovery: 33-132 %		
<u>Data Qualifiers:</u> None						
S-4 @6"	28077-004	8/18/2023 11:59	8/18/2023	8/23/2023 10:00	8/23/2023 13:23	Soil
<u>ANALYTE</u>	<u>mg/kg</u>			<u>Surrogate:</u>	<u>% RC*</u>	
GROs ¹	<0.20			α - α - α -Trifluorotoluene	61	
<u>Dilution Factor:</u> 1				* Acceptable Recovery: 33-132 %		
<u>Data Qualifiers:</u> None						
S-5 @6"	28077-005	8/18/2023 11:59	8/18/2023	8/23/2023 10:00	8/23/2023 13:43	Soil
<u>ANALYTE</u>	<u>mg/kg</u>			<u>Surrogate:</u>	<u>% RC*</u>	
GROs ¹	<0.20			α - α - α -Trifluorotoluene	58	
<u>Dilution Factor:</u> 1				* Acceptable Recovery: 33-132 %		
<u>Data Qualifiers:</u> None						

Gasoline Range Organics (GROs) are quantitated against a gasoline standard.

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Lab Reference # GTK 28077
Project Name: Vernola Trust
Project #: 2903-CR

Gasoline Range Organics - GROs (EPA 8015B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
S-6 @6"	28077-006	8/18/2023 11:59	8/18/2023	8/23/2023 10:00	8/23/2023 14:02	Soil
<u>ANALYTE</u>	<u>mg/kg</u>			<u>Surrogate:</u>	<u>% RC*</u>	
GROs ¹	<0.20			α - α - α -Trifluorotoluene	78	
<u>Dilution Factor:</u> 1				* Acceptable Recovery: 33-132 %		
<u>Data Qualifiers:</u> None						
S-7 @6"	28077-007	8/18/2023 11:59	8/18/2023	8/23/2023 10:00	8/23/2023 14:22	Soil
<u>ANALYTE</u>	<u>mg/kg</u>			<u>Surrogate:</u>	<u>% RC*</u>	
GROs ¹	<0.20			α - α - α -Trifluorotoluene	49	
<u>Dilution Factor:</u> 1				* Acceptable Recovery: 33-132 %		
<u>Data Qualifiers:</u> None						
S-8 @6"	28077-008	8/18/2023 11:59	8/18/2023	8/23/2023 10:00	8/23/2023 14:42	Soil
<u>ANALYTE</u>	<u>mg/kg</u>			<u>Surrogate:</u>	<u>% RC*</u>	
GROs ¹	<0.20			α - α - α -Trifluorotoluene	52	
<u>Dilution Factor:</u> 1				* Acceptable Recovery: 33-132 %		
<u>Data Qualifiers:</u> None						
S-9 @6"	28077-009	8/18/2023 11:59	8/18/2023	8/23/2023 10:00	8/23/2023 15:01	Soil
<u>ANALYTE</u>	<u>mg/kg</u>			<u>Surrogate:</u>	<u>% RC*</u>	
GROs ¹	<0.20			α - α - α -Trifluorotoluene	85	
<u>Dilution Factor:</u> 1				* Acceptable Recovery: 33-132 %		
<u>Data Qualifiers:</u> None						
S-10 @6"	28077-010	8/18/2023 11:59	8/18/2023	8/23/2023 10:00	8/23/2023 15:21	Soil
<u>ANALYTE</u>	<u>mg/kg</u>			<u>Surrogate:</u>	<u>% RC*</u>	
GROs ¹	<0.20			α - α - α -Trifluorotoluene	48	
<u>Dilution Factor:</u> 1				* Acceptable Recovery: 33-132 %		
<u>Data Qualifiers:</u> None						

Gasoline Range Organics (GROs) are quantitated against a gasoline standard.

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Lab Reference # GTK 28077
Project Name: Vernola Trust
Project #: 2903-CR

Gasoline Range Organics - GROs (EPA 8015B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
S-11 @6"	28077-011	8/18/2023 11:59	8/18/2023	8/23/2023 10:00	8/23/2023 15:40	Soil
<u>ANALYTE</u>	<u>mg/kg</u>		<u>Surrogate:</u>	<u>% RC*</u>		
GROs ¹	<0.20		α - α - α -Trifluorotoluene	47		
<u>Dilution Factor:</u> 1			* Acceptable Recovery: 33-132 %			
<u>Data Qualifiers:</u> None						
S-12 @6"	28077-013	8/18/2023 11:59	8/18/2023	8/23/2023 10:00	8/23/2023 16:00	Soil
<u>ANALYTE</u>	<u>mg/kg</u>		<u>Surrogate:</u>	<u>% RC*</u>		
GROs ¹	<0.20		α - α - α -Trifluorotoluene	50		
<u>Dilution Factor:</u> 1			* Acceptable Recovery: 33-132 %			
<u>Data Qualifiers:</u> None						
S-13 @6"	28077-015	8/18/2023 11:59	8/18/2023	8/23/2023 10:00	8/23/2023 16:20	Soil
<u>ANALYTE</u>	<u>mg/kg</u>		<u>Surrogate:</u>	<u>% RC*</u>		
GROs ¹	<0.20		α - α - α -Trifluorotoluene	67		
<u>Dilution Factor:</u> 1			* Acceptable Recovery: 33-132 %			
<u>Data Qualifiers:</u> None						
S-14 @6"	28077-017	8/18/2023 11:59	8/18/2023	8/23/2023 10:00	8/23/2023 16:39	Soil
<u>ANALYTE</u>	<u>mg/kg</u>		<u>Surrogate:</u>	<u>% RC*</u>		
GROs ¹	<0.20		α - α - α -Trifluorotoluene	84		
<u>Dilution Factor:</u> 1			* Acceptable Recovery: 33-132 %			
<u>Data Qualifiers:</u> None						
Method Blank	MBLY0823231			8/23/2023 10:00	8/23/2023 10:31	Soil
<u>ANALYTE</u>	<u>mg/kg</u>		<u>Surrogate:</u>	<u>% RC*</u>		
GROs ¹	<0.20		α - α - α -Trifluorotoluene	81		
<u>Dilution Factor:</u> 1			* Acceptable Recovery: 33-132 %			
<u>Data Qualifiers:</u> None						

Gasoline Range Organics (GROs) are quantitated against a gasoline standard.

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Lab Reference # GTK 28077
Project Name: Vernola Trust
Project #: 2903-CR

Organochlorine Pesticides (EPA 8081A)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
S-15	28077-019	8/18/2023 11:59	8/18/2023	8/28/2023 14:09	9/1/2023 13:00	Soil
<u>ANALYTE</u>	<u>CAS #</u>	<u>µg/kg</u>		<u>Surrogate:</u>	<u>% RC*</u>	
Aldrin	309-00-2	<16		Decachlorobiphenyl	82	
alpha-BHC	319-84-6	<40				
beta-BHC	319-85-7	<40				
gamma-BHC (Lindane)	58-89-9	<40				
delta-BHC	319-86-8	<80				
Chlordane	57-74-9	<240				
4,4'-DDD	72-54-8	<80				
4,4'-DDE	72-55-9	<40				
4,4'-DDT	50-29-3	<80				
Dieldrin	60-57-1	<16				
Endosulfan I	959-98-8	<80				
Endosulfan II	33213-65-9	<40				
Endosulfan sulfate	1031-07-8	<80				
Endrin	72-20-8	<80				
Endrin aldehyde	7421-93-4	<80				
Endrin ketone	53494-70-5	<40				
Heptachlor	76-44-8	<16				
Heptachlor epoxide	1024-57-3	<40				
Methoxychlor	72-43-5	<80				
Toxaphene	8001-35-2	<320				

* Acceptable Recovery: 37-130 %

Dilution Factor: 8

Data Qualifiers: D1,

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Lab Reference # GTK 28077
Project Name: Vernola Trust
Project #: 2903-CR

Organochlorine Pesticides (EPA 8081A)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
S-16	28077-020	8/18/2023 11:59	8/18/2023	8/28/2023 14:09	9/1/2023 13:14	Soil
<u>ANALYTE</u>	<u>CAS #</u>	<u>µg/kg</u>		<u>Surrogate:</u>	<u>% RC*</u>	
Aldrin	309-00-2	<16		Decachlorobiphenyl	72	
alpha-BHC	319-84-6	<40				
beta-BHC	319-85-7	<40				
gamma-BHC (Lindane)	58-89-9	<40				
delta-BHC	319-86-8	<80				
Chlordane	57-74-9	<240				
4,4'-DDD	72-54-8	<80				
4,4'-DDE	72-55-9	<40				
4,4'-DDT	50-29-3	<80				
Dieldrin	60-57-1	<16				
Endosulfan I	959-98-8	<80				
Endosulfan II	33213-65-9	<40				
Endosulfan sulfate	1031-07-8	<80				
Endrin	72-20-8	<80				
Endrin aldehyde	7421-93-4	<80				
Endrin ketone	53494-70-5	<40				
Heptachlor	76-44-8	<16				
Heptachlor epoxide	1024-57-3	<40				
Methoxychlor	72-43-5	<80				
Toxaphene	8001-35-2	<320				

* Acceptable Recovery: 37-130 %

Dilution Factor: 8

Data Qualifiers: D1,

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Lab Reference # GTK 28077
Project Name: Vernola Trust
Project #: 2903-CR

Organochlorine Pesticides (EPA 8081A)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
S-17	28077-021	8/18/2023 11:59	8/18/2023	8/28/2023 14:09	9/1/2023 13:29	Soil
<u>ANALYTE</u>	<u>CAS #</u>	<u>µg/kg</u>		<u>Surrogate:</u>	<u>% RC*</u>	
Aldrin	309-00-2	<16		Decachlorobiphenyl	78	
alpha-BHC	319-84-6	<40				
beta-BHC	319-85-7	<40				
gamma-BHC (Lindane)	58-89-9	<40				
delta-BHC	319-86-8	<80				
Chlordane	57-74-9	<240				
4,4'-DDD	72-54-8	<80				
4,4'-DDE	72-55-9	<40				
4,4'-DDT	50-29-3	<80				
Dieldrin	60-57-1	<16				
Endosulfan I	959-98-8	<80				
Endosulfan II	33213-65-9	<40				
Endosulfan sulfate	1031-07-8	<80				
Endrin	72-20-8	<80				
Endrin aldehyde	7421-93-4	<80				
Endrin ketone	53494-70-5	<40				
Heptachlor	76-44-8	<16				
Heptachlor epoxide	1024-57-3	<40				
Methoxychlor	72-43-5	<80				
Toxaphene	8001-35-2	<320				

* Acceptable Recovery: 37-130 %

Dilution Factor: 8

Data Qualifiers: D1,

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Lab Reference # GTK 28077
Project Name: Vernola Trust
Project #: 2903-CR

Organochlorine Pesticides (EPA 8081A)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
S-18	28077-022	8/18/2023 11:59	8/18/2023	8/28/2023 14:09	9/1/2023 13:44	Soil
<u>ANALYTE</u>	<u>CAS #</u>	<u>µg/kg</u>		<u>Surrogate:</u>	<u>% RC*</u>	
Aldrin	309-00-2	<8.0		Decachlorobiphenyl	72	
alpha-BHC	319-84-6	<20				
beta-BHC	319-85-7	<20				
gamma-BHC (Lindane)	58-89-9	<20				
delta-BHC	319-86-8	<40				
Chlordane	57-74-9	<120				
4,4'-DDD	72-54-8	<40				
4,4'-DDE	72-55-9	<20				
4,4'-DDT	50-29-3	<40				
Dieldrin	60-57-1	<8.0				
Endosulfan I	959-98-8	<40				
Endosulfan II	33213-65-9	<20				
Endosulfan sulfate	1031-07-8	<40				
Endrin	72-20-8	<40				
Endrin aldehyde	7421-93-4	<40				
Endrin ketone	53494-70-5	<20				
Heptachlor	76-44-8	<8.0				
Heptachlor epoxide	1024-57-3	<20				
Methoxychlor	72-43-5	<40				
Toxaphene	8001-35-2	<160				

* Acceptable Recovery: 37-130 %

Dilution Factor: 4

Data Qualifiers: D1,

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Lab Reference # GTK 28077
Project Name: Vernola Trust
Project #: 2903-CR

Organochlorine Pesticides (EPA 8081A)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
S-19	28077-023	8/18/2023 11:59	8/18/2023	8/28/2023 14:09	9/1/2023 13:58	Soil
<u>ANALYTE</u>	<u>CAS #</u>	<u>µg/kg</u>		<u>Surrogate:</u>	<u>% RC*</u>	
Aldrin	309-00-2	<8.0		Decachlorobiphenyl	71	
alpha-BHC	319-84-6	<20				
beta-BHC	319-85-7	<20				
gamma-BHC (Lindane)	58-89-9	<20				
delta-BHC	319-86-8	<40				
Chlordane	57-74-9	<120				
4,4'-DDD	72-54-8	<40				
4,4'-DDE	72-55-9	<20				
4,4'-DDT	50-29-3	<40				
Dieldrin	60-57-1	<8.0				
Endosulfan I	959-98-8	<40				
Endosulfan II	33213-65-9	<20				
Endosulfan sulfate	1031-07-8	<40				
Endrin	72-20-8	<40				
Endrin aldehyde	7421-93-4	<40				
Endrin ketone	53494-70-5	<20				
Heptachlor	76-44-8	<8.0				
Heptachlor epoxide	1024-57-3	<20				
Methoxychlor	72-43-5	<40				
Toxaphene	8001-35-2	<160				

* Acceptable Recovery: 37-130 %

Dilution Factor: 4

Data Qualifiers: D1,

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Lab Reference # GTK 28077
Project Name: Vernola Trust
Project #: 2903-CR

Organochlorine Pesticides (EPA 8081A)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
Method Blank	MBVV0828231			8/28/2023 14:09	8/29/2023 10:01	Soil
<u>ANALYTE</u>	<u>CAS #</u>	<u>µg/kg</u>		<u>Surrogate:</u>	<u>% RC*</u>	
Aldrin	309-00-2	<2.0		Decachlorobiphenyl	119	
alpha-BHC	319-84-6	<5.0				
beta-BHC	319-85-7	<5.0				
gamma-BHC (Lindane)	58-89-9	<5.0				
delta-BHC	319-86-8	<10				
Chlordane	57-74-9	<30				
4,4'-DDD	72-54-8	<10				
4,4'-DDE	72-55-9	<5.0				
4,4'-DDT	50-29-3	<10				
Dieldrin	60-57-1	<2.0				
Endosulfan I	959-98-8	<10				
Endosulfan II	33213-65-9	<5.0				
Endosulfan sulfate	1031-07-8	<10				
Endrin	72-20-8	<10				
Endrin aldehyde	7421-93-4	<10				
Endrin ketone	53494-70-5	<5.0				
Heptachlor	76-44-8	<2.0				
Heptachlor epoxide	1024-57-3	<5.0				
Methoxychlor	72-43-5	<10				
Toxaphene	8001-35-2	<40				

* Acceptable Recovery: 37-130 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference # GTK 28077
Project Name: Vernola Trust
Project #: 2903-CR

Chlorinated Herbicides (EPA 8151A)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
S-15	28077-019	8/18/2023	8/18/2023	8/23/2023	8/25/2023	Soil
		11:59		9:39	0:08	

<u>ANALYTE</u>	<u>CAS #</u>	<u>µg/kg</u>	<u>Surrogate:</u>	<u>% RC*</u>
Dicamba	1918-00-9	<100		
Dichloroprop	120-36-5	<100	2,4-Dichlorophenylacetic Acid	122
2,4-D	94-75-7	<100	* Acceptable Recovery: 10-143 %	
2,4,5-TP (silvex)	93-72-1	<100		
2,4,5-T	93-76-5	<100	<u>Dilution Factor:</u> 1	
			<u>Data Qualifiers:</u> None	

S-16	28077-020	8/18/2023	8/18/2023	8/23/2023	8/25/2023	Soil
		11:59		9:39	0:32	

<u>ANALYTE</u>	<u>CAS #</u>	<u>µg/kg</u>	<u>Surrogate:</u>	<u>% RC*</u>
Dicamba	1918-00-9	<100		
Dichloroprop	120-36-5	<100	2,4-Dichlorophenylacetic Acid	116
2,4-D	94-75-7	<100	* Acceptable Recovery: 10-143 %	
2,4,5-TP (silvex)	93-72-1	<100		
2,4,5-T	93-76-5	<100	<u>Dilution Factor:</u> 1	
			<u>Data Qualifiers:</u> None	

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Lab Reference # GTK 28077
Project Name: Vernola Trust
Project #: 2903-CR

Chlorinated Herbicides (EPA 8151A)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
S-17	28077-021	8/18/2023	8/18/2023	8/23/2023	8/25/2023	Soil
		11:59		9:39	0:56	

<u>ANALYTE</u>	<u>CAS #</u>	<u>µg/kg</u>	<u>Surrogate:</u>	<u>% RC*</u>
Dicamba	1918-00-9	<100		
Dichloroprop	120-36-5	<100	2,4-Dichlorophenylacetic Acid	125
2,4-D	94-75-7	<100	* Acceptable Recovery: 10-143 %	
2,4,5-TP (silvex)	93-72-1	<100		
2,4,5-T	93-76-5	<100	<u>Dilution Factor:</u> 1	
			<u>Data Qualifiers:</u> None	

S-18	28077-022	8/18/2023	8/18/2023	8/23/2023	8/25/2023	Soil
		11:59		9:39	1:19	

<u>ANALYTE</u>	<u>CAS #</u>	<u>µg/kg</u>	<u>Surrogate:</u>	<u>% RC*</u>
Dicamba	1918-00-9	<100		
Dichloroprop	120-36-5	<100	2,4-Dichlorophenylacetic Acid	128
2,4-D	94-75-7	<100	* Acceptable Recovery: 10-143 %	
2,4,5-TP (silvex)	93-72-1	<100		
2,4,5-T	93-76-5	<100	<u>Dilution Factor:</u> 1	
			<u>Data Qualifiers:</u> None	

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Lab Reference # GTK 28077
Project Name: Vernola Trust
Project #: 2903-CR

Chlorinated Herbicides (EPA 8151A)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
S-19	28077-023	8/18/2023	8/18/2023	8/23/2023	8/25/2023	Soil
		11:59		9:39	1:43	

<u>ANALYTE</u>	<u>CAS #</u>	<u>µg/kg</u>	<u>Surrogate:</u>	<u>% RC*</u>
Dicamba	1918-00-9	<100		
Dichloroprop	120-36-5	<100	2,4-Dichlorophenylacetic Acid	122
2,4-D	94-75-7	<100	* Acceptable Recovery: 10-143 %	
2,4,5-TP (silvex)	93-72-1	<100		
2,4,5-T	93-76-5	<100	<u>Dilution Factor:</u> 1	
			<u>Data Qualifiers:</u> None	

Method Blank	MBVV0823231		8/23/2023	8/24/2023	Soil
			9:39	17:22	

<u>ANALYTE</u>	<u>CAS #</u>	<u>µg/kg</u>	<u>Surrogate:</u>	<u>% RC*</u>
Dicamba	1918-00-9	<100		
Dichloroprop	120-36-5	<100	2,4-Dichlorophenylacetic Acid	121
2,4-D	94-75-7	<100	* Acceptable Recovery: 10-143 %	
2,4,5-TP (silvex)	93-72-1	<100		
2,4,5-T	93-76-5	<100	<u>Dilution Factor:</u> 1	
			<u>Data Qualifiers:</u> None	

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Lab Reference # GTK 28077
Project Name: Vernola Trust
Project #: 2903-CR

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
S-1 @6"	28077-001	8/18/2023 11:59	8/18/2023	8/18/2023 15:45	8/30/2023 22:10	Soil
<u>ANALYTE</u>	<u>CAS #</u>	<u>µg/kg</u>	<u>ANALYTE</u>	<u>CAS #</u>	<u>µg/kg</u>	
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5	
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10	
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10	
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5	
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0	
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5	
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5	
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0	
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10	
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5	
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5	
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5	
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5	
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5	
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5	
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5	
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5	
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5	
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5	
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5	
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5	
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0	
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5	
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5	
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5	
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5	
1,1-Dichloroethane	75-34-3	<2.5	m- & p-Xylenes	179601-23-1	<5.0	
1,2-Dichloroethane	107-06-2	<2.5	o-Xylene	95-47-6	<2.5	
1,1-Dichloroethene	75-35-4	<2.5				
cis-1,2-Dichloroethene	156-59-2	<2.5				
trans-1,2-Dichloroethene	156-60-5	<2.5				
1,2-Dichloropropane	78-87-5	<2.5				
1,3-Dichloropropane	142-28-9	<2.5				
2,2-Dichloropropane	594-20-7	<2.5				
1,1-Dichloropropene	563-58-6	<2.5				
cis-1,3-Dichloropropene	10061-01-5	<2.5				
<u>Surrogate:</u>	<u>% RC</u>	<u>Acceptable % RC</u>	<u>Dilution Factor:</u>	1		
Dibromofluoromethane:	83	67-130 %	<u>Data Qualifiers:</u>	None		
Toluene-d8:	91	60-130 %				
4-Bromofluorobenzene:	88	42-133 %				

Ms. Anna Scott
GeoTek, Inc.
1548 N. Maple St
Corona, CA, 92880

Lab Reference # GTK 28077
Project Name: Vernola Trust
Project #: 2903-CR

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
S-2 @6"	28077-002	8/18/2023 11:59	8/18/2023	8/18/2023 15:45	8/30/2023 22:30	Soil
ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg	
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5	
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10	
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10	
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5	
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0	
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5	
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5	
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0	
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10	
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5	
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5	
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5	
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5	
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5	
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5	
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5	
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5	
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5	
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5	
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5	
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5	
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0	
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5	
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5	
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5	
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5	
1,1-Dichloroethane	75-34-3	<2.5	m- & p-Xylenes	179601-23-1	<5.0	
1,2-Dichloroethane	107-06-2	<2.5	o-Xylene	95-47-6	<2.5	
1,1-Dichloroethene	75-35-4	<2.5				
cis-1,2-Dichloroethene	156-59-2	<2.5				
trans-1,2-Dichloroethene	156-60-5	<2.5				
1,2-Dichloropropane	78-87-5	<2.5				
1,3-Dichloropropane	142-28-9	<2.5				
2,2-Dichloropropane	594-20-7	<2.5				
1,1-Dichloropropene	563-58-6	<2.5				
cis-1,3-Dichloropropene	10061-01-5	<2.5				
<u>Surrogate:</u>	<u>% RC</u>	<u>Acceptable % RC</u>	<u>Dilution Factor:</u>	1		
Dibromofluoromethane:	84	67-130 %	<u>Data Qualifiers:</u>	None		
Toluene-d8:	93	60-130 %				
4-Bromofluorobenzene:	90	42-133 %				

Ms. Anna Scott
GeoTek, Inc.
1548 N. Maple St
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Lab Reference # GTK 28077
Project Name: Vernola Trust
Project #: 2903-CR

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
S-3 @6"	28077-003	8/18/2023	8/18/2023	8/18/2023	8/30/2023	Soil
		11:59		15:45	22:49	
ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg	
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5	
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10	
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10	
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5	
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0	
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5	
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5	
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0	
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10	
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5	
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5	
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5	
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5	
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5	
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5	
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5	
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5	
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5	
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5	
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5	
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5	
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0	
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5	
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5	
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5	
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5	
1,1-Dichloroethane	75-34-3	<2.5	m- & p-Xylenes	179601-23-1	<5.0	
1,2-Dichloroethane	107-06-2	<2.5	o-Xylene	95-47-6	<2.5	
1,1-Dichloroethene	75-35-4	<2.5				
cis-1,2-Dichloroethene	156-59-2	<2.5				
trans-1,2-Dichloroethene	156-60-5	<2.5				
1,2-Dichloropropane	78-87-5	<2.5				
1,3-Dichloropropane	142-28-9	<2.5				
2,2-Dichloropropane	594-20-7	<2.5				
1,1-Dichloropropene	563-58-6	<2.5				
cis-1,3-Dichloropropene	10061-01-5	<2.5				
Surrogate:	% RC	Acceptable % RC	Dilution Factor:	1		
Dibromofluoromethane:	82	67-130 %	Data Qualifiers:	None		
Toluene-d8:	90	60-130 %				
4-Bromofluorobenzene:	85	42-133 %				

Ms. Anna Scott
GeoTek, Inc.
1548 N. Maple St
Corona, CA, 92880

Lab Reference # GTK 28077
Project Name: Vernola Trust
Project #: 2903-CR

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
S-4 @6"	28077-004	8/18/2023	8/18/2023	8/18/2023	8/30/2023	Soil
		11:59		15:45	23:10	
ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg	
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5	
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10	
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10	
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5	
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0	
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5	
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5	
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0	
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10	
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5	
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5	
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5	
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5	
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5	
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5	
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5	
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5	
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5	
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5	
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5	
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5	
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0	
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5	
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5	
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5	
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5	
1,1-Dichloroethane	75-34-3	<2.5	m- & p-Xylenes	179601-23-1	<5.0	
1,2-Dichloroethane	107-06-2	<2.5	o-Xylene	95-47-6	<2.5	
1,1-Dichloroethene	75-35-4	<2.5				
cis-1,2-Dichloroethene	156-59-2	<2.5				
trans-1,2-Dichloroethene	156-60-5	<2.5				
1,2-Dichloropropane	78-87-5	<2.5				
1,3-Dichloropropane	142-28-9	<2.5				
2,2-Dichloropropane	594-20-7	<2.5				
1,1-Dichloropropene	563-58-6	<2.5				
cis-1,3-Dichloropropene	10061-01-5	<2.5				
Surrogate:	% RC	Acceptable % RC	Dilution Factor: 1			
Dibromofluoromethane:	83	67-130 %	Data Qualifiers: None			
Toluene-d8:	92	60-130 %				
4-Bromofluorobenzene:	89	42-133 %				

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Lab Reference # GTK 28077
Project Name: Vernola Trust
Project #: 2903-CR

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
S-5 @6"	28077-005	8/18/2023 11:59	8/18/2023	8/18/2023 15:45	8/30/2023 23:30	Soil
<u>ANALYTE</u>	<u>CAS #</u>	<u>ug/kg</u>	<u>ANALYTE</u>	<u>CAS #</u>	<u>ug/kg</u>	
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5	
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10	
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10	
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5	
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0	
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5	
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5	
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0	
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10	
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5	
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5	
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5	
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5	
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5	
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5	
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5	
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5	
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5	
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5	
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5	
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5	
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0	
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5	
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5	
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5	
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5	
1,1-Dichloroethane	75-34-3	<2.5	m- & p-Xylenes	179601-23-1	<5.0	
1,2-Dichloroethane	107-06-2	<2.5	o-Xylene	95-47-6	<2.5	
1,1-Dichloroethene	75-35-4	<2.5				
cis-1,2-Dichloroethene	156-59-2	<2.5				
trans-1,2-Dichloroethene	156-60-5	<2.5				
1,2-Dichloropropane	78-87-5	<2.5				
1,3-Dichloropropane	142-28-9	<2.5				
2,2-Dichloropropane	594-20-7	<2.5				
1,1-Dichloropropene	563-58-6	<2.5				
cis-1,3-Dichloropropene	10061-01-5	<2.5				
<u>Surrogate:</u>	<u>% RC</u>	<u>Acceptable % RC</u>	<u>Dilution Factor:</u>	1		
Dibromofluoromethane:	82	67-130 %	<u>Data Qualifiers:</u>	None		
Toluene-d8:	90	60-130 %				
4-Bromofluorobenzene:	86	42-133 %				

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Lab Reference # GTK 28077
Project Name: Vernola Trust
Project #: 2903-CR

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
S-6 @6"	28077-006	8/18/2023	8/18/2023	8/18/2023	8/30/2023	Soil
		11:59		15:45	23:49	
ANALYTE	CAS #	ug/kg	ANALYTE	CAS #	ug/kg	
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5	
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10	
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10	
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5	
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0	
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5	
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5	
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0	
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10	
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5	
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5	
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5	
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5	
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5	
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5	
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5	
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5	
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5	
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5	
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5	
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5	
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0	
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5	
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5	
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5	
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5	
1,1-Dichloroethane	75-34-3	<2.5	m- & p-Xylenes	179601-23-1	<5.0	
1,2-Dichloroethane	107-06-2	<2.5	o-Xylene	95-47-6	<2.5	
1,1-Dichloroethene	75-35-4	<2.5				
cis-1,2-Dichloroethene	156-59-2	<2.5				
trans-1,2-Dichloroethene	156-60-5	<2.5				
1,2-Dichloropropane	78-87-5	<2.5				
1,3-Dichloropropane	142-28-9	<2.5				
2,2-Dichloropropane	594-20-7	<2.5				
1,1-Dichloropropene	563-58-6	<2.5				
cis-1,3-Dichloropropene	10061-01-5	<2.5				
Surrogate:	% RC	Acceptable % RC	Dilution Factor: 1			
Dibromofluoromethane:	83	67-130 %	Data Qualifiers: None			
Toluene-d8:	92	60-130 %				
4-Bromofluorobenzene:	89	42-133 %				

Ms. Anna Scott
GeoTek, Inc.
1548 N. Maple St
Corona, CA, 92880

Lab Reference # GTK 28077
Project Name: Vernola Trust
Project #: 2903-CR

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
S-7 @6"	28077-007	8/18/2023 11:59	8/18/2023	8/18/2023 15:45	8/31/2023 0:09	Soil
<u>ANALYTE</u>	<u>CAS #</u>	<u>ug/kg</u>	<u>ANALYTE</u>	<u>CAS #</u>	<u>ug/kg</u>	
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5	
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10	
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10	
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5	
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0	
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5	
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5	
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0	
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10	
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5	
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5	
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5	
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5	
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5	
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5	
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5	
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5	
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5	
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5	
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5	
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5	
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0	
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5	
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5	
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5	
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5	
1,1-Dichloroethane	75-34-3	<2.5	m- & p-Xylenes	179601-23-1	<5.0	
1,2-Dichloroethane	107-06-2	<2.5	o-Xylene	95-47-6	<2.5	
1,1-Dichloroethene	75-35-4	<2.5				
cis-1,2-Dichloroethene	156-59-2	<2.5				
trans-1,2-Dichloroethene	156-60-5	<2.5				
1,2-Dichloropropane	78-87-5	<2.5				
1,3-Dichloropropane	142-28-9	<2.5				
2,2-Dichloropropane	594-20-7	<2.5				
1,1-Dichloropropene	563-58-6	<2.5				
cis-1,3-Dichloropropene	10061-01-5	<2.5				
<u>Surrogate:</u>	<u>% RC</u>	<u>Acceptable % RC</u>	<u>Dilution Factor:</u>	<u>1</u>		
Dibromofluoromethane:	82	67-130 %	<u>Data Qualifiers:</u>	<u>None</u>		
Toluene-d8:	92	60-130 %				
4-Bromofluorobenzene:	89	42-133 %				

Ms. Anna Scott
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1548 N. Maple St
Corona, CA, 92880

Lab Reference # GTK 28077
Project Name: Vernola Trust
Project #: 2903-CR

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
S-8 @6"	28077-008	8/18/2023 11:59	8/18/2023	8/18/2023 15:45	8/31/2023 0:30	Soil
<u>ANALYTE</u>	<u>CAS #</u>	<u>µg/kg</u>	<u>ANALYTE</u>	<u>CAS #</u>	<u>µg/kg</u>	
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5	
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10	
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10	
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5	
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0	
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5	
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5	
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0	
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10	
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5	
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5	
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5	
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5	
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5	
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5	
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5	
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5	
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5	
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5	
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5	
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5	
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0	
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5	
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5	
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5	
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5	
1,1-Dichloroethane	75-34-3	<2.5	m- & p-Xylenes	179601-23-1	<5.0	
1,2-Dichloroethane	107-06-2	<2.5	o-Xylene	95-47-6	<2.5	
1,1-Dichloroethene	75-35-4	<2.5				
cis-1,2-Dichloroethene	156-59-2	<2.5				
trans-1,2-Dichloroethene	156-60-5	<2.5				
1,2-Dichloropropane	78-87-5	<2.5				
1,3-Dichloropropane	142-28-9	<2.5				
2,2-Dichloropropane	594-20-7	<2.5				
1,1-Dichloropropene	563-58-6	<2.5				
cis-1,3-Dichloropropene	10061-01-5	<2.5				
<u>Surrogate:</u>	<u>% RC</u>	<u>Acceptable % RC</u>	<u>Dilution Factor:</u>	1		
Dibromofluoromethane:	83	67-130 %	<u>Data Qualifiers:</u>	None		
Toluene-d8:	89	60-130 %				
4-Bromofluorobenzene:	84	42-133 %				

Ms. Anna Scott
GeoTek, Inc.
1548 N. Maple St
Corona, CA, 92880

Lab Reference # GTK 28077
Project Name: Vernola Trust
Project #: 2903-CR

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
S-9 @6"	28077-009	8/18/2023 11:59	8/18/2023	8/18/2023 15:45	8/31/2023 0:49	Soil
<u>ANALYTE</u>	<u>CAS #</u>	<u>ug/kg</u>	<u>ANALYTE</u>	<u>CAS #</u>	<u>ug/kg</u>	
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5	
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10	
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10	
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5	
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0	
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5	
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5	
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0	
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10	
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5	
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5	
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5	
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5	
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5	
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5	
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5	
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5	
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5	
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5	
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5	
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5	
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0	
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5	
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5	
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5	
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5	
1,1-Dichloroethane	75-34-3	<2.5	m- & p-Xylenes	179601-23-1	<5.0	
1,2-Dichloroethane	107-06-2	<2.5	o-Xylene	95-47-6	<2.5	
1,1-Dichloroethene	75-35-4	<2.5				
cis-1,2-Dichloroethene	156-59-2	<2.5				
trans-1,2-Dichloroethene	156-60-5	<2.5				
1,2-Dichloropropane	78-87-5	<2.5				
1,3-Dichloropropane	142-28-9	<2.5				
2,2-Dichloropropane	594-20-7	<2.5				
1,1-Dichloropropene	563-58-6	<2.5				
cis-1,3-Dichloropropene	10061-01-5	<2.5				
<u>Surrogate:</u>	<u>% RC</u>	<u>Acceptable % RC</u>	<u>Dilution Factor:</u>	1		
Dibromofluoromethane:	84	67-130 %	<u>Data Qualifiers:</u>	None		
Toluene-d8:	92	60-130 %				
4-Bromofluorobenzene:	89	42-133 %				

Ms. Anna Scott
GeoTek, Inc.
1548 N. Maple St
Corona, CA, 92880

Lab Reference # GTK 28077
Project Name: Vernola Trust
Project #: 2903-CR

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
S-10 @6"	28077-010	8/18/2023 11:59	8/18/2023	8/18/2023 15:45	8/31/2023 1:09	Soil
<u>ANALYTE</u>	<u>CAS #</u>	<u>µg/kg</u>	<u>ANALYTE</u>	<u>CAS #</u>	<u>µg/kg</u>	
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5	
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10	
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10	
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5	
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0	
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5	
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5	
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0	
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10	
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5	
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5	
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5	
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5	
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5	
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5	
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5	
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5	
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5	
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5	
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5	
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5	
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0	
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5	
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5	
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5	
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5	
1,1-Dichloroethane	75-34-3	<2.5	m- & p-Xylenes	179601-23-1	<5.0	
1,2-Dichloroethane	107-06-2	<2.5	o-Xylene	95-47-6	<2.5	
1,1-Dichloroethene	75-35-4	<2.5				
cis-1,2-Dichloroethene	156-59-2	<2.5				
trans-1,2-Dichloroethene	156-60-5	<2.5				
1,2-Dichloropropane	78-87-5	<2.5				
1,3-Dichloropropane	142-28-9	<2.5				
2,2-Dichloropropane	594-20-7	<2.5				
1,1-Dichloropropene	563-58-6	<2.5				
cis-1,3-Dichloropropene	10061-01-5	<2.5				
<u>Surrogate:</u>	<u>% RC</u>	<u>Acceptable % RC</u>	<u>Dilution Factor:</u>	1		
Dibromofluoromethane:	85	67-130 %	<u>Data Qualifiers:</u>	None		
Toluene-d8:	91	60-130 %				
4-Bromofluorobenzene:	89	42-133 %				

Ms. Anna Scott
GeoTek, Inc.
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Lab Reference # GTK 28077
Project Name: Vernola Trust
Project #: 2903-CR

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
S-11 @6"	28077-011	8/18/2023 11:59	8/18/2023	8/18/2023 15:45	8/31/2023 1:29	Soil
<u>ANALYTE</u>	<u>CAS #</u>	<u>µg/kg</u>	<u>ANALYTE</u>	<u>CAS #</u>	<u>µg/kg</u>	
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5	
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10	
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10	
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5	
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0	
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5	
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5	
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0	
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10	
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5	
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5	
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5	
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5	
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5	
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5	
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5	
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5	
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5	
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5	
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5	
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5	
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0	
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5	
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5	
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5	
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5	
1,1-Dichloroethane	75-34-3	<2.5	m- & p-Xylenes	179601-23-1	<5.0	
1,2-Dichloroethane	107-06-2	<2.5	o-Xylene	95-47-6	<2.5	
1,1-Dichloroethene	75-35-4	<2.5				
cis-1,2-Dichloroethene	156-59-2	<2.5				
trans-1,2-Dichloroethene	156-60-5	<2.5				
1,2-Dichloropropane	78-87-5	<2.5				
1,3-Dichloropropane	142-28-9	<2.5				
2,2-Dichloropropane	594-20-7	<2.5				
1,1-Dichloropropene	563-58-6	<2.5				
cis-1,3-Dichloropropene	10061-01-5	<2.5				
<u>Surrogate:</u>	<u>% RC</u>	<u>Acceptable % RC</u>	<u>Dilution Factor:</u>	1		
Dibromofluoromethane:	83	67-130 %	<u>Data Qualifiers:</u>	None		
Toluene-d8:	90	60-130 %				
4-Bromofluorobenzene:	85	42-133 %				

Ms. Anna Scott
GeoTek, Inc.
1548 N. Maple St
Corona, CA, 92880

Lab Reference # GTK 28077
Project Name: Vernola Trust
Project #: 2903-CR

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
S-12 @6"	28077-013	8/18/2023 11:59	8/18/2023	8/18/2023 15:45	8/31/2023 1:49	Soil
<u>ANALYTE</u>	<u>CAS #</u>	<u>ug/kg</u>	<u>ANALYTE</u>	<u>CAS #</u>	<u>ug/kg</u>	
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5	
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10	
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10	
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5	
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0	
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5	
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5	
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0	
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10	
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5	
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5	
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5	
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5	
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5	
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5	
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5	
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5	
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5	
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5	
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5	
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5	
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0	
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5	
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5	
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5	
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5	
1,1-Dichloroethane	75-34-3	<2.5	m- & p-Xylenes	179601-23-1	<5.0	
1,2-Dichloroethane	107-06-2	<2.5	o-Xylene	95-47-6	<2.5	
1,1-Dichloroethene	75-35-4	<2.5				
cis-1,2-Dichloroethene	156-59-2	<2.5				
trans-1,2-Dichloroethene	156-60-5	<2.5				
1,2-Dichloropropane	78-87-5	<2.5				
1,3-Dichloropropane	142-28-9	<2.5				
2,2-Dichloropropane	594-20-7	<2.5				
1,1-Dichloropropene	563-58-6	<2.5				
cis-1,3-Dichloropropene	10061-01-5	<2.5				
<u>Surrogate:</u>	<u>% RC</u>	<u>Acceptable % RC</u>	<u>Dilution Factor:</u>	1		
Dibromofluoromethane:	82	67-130 %	<u>Data Qualifiers:</u>	None		
Toluene-d8:	90	60-130 %				
4-Bromofluorobenzene:	88	42-133 %				

Ms. Anna Scott
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Lab Reference # GTK 28077
Project Name: Vernola Trust
Project #: 2903-CR

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
S-13 @6"	28077-015	8/18/2023 11:59	8/18/2023	8/18/2023 15:45	8/31/2023 2:10	Soil
<u>ANALYTE</u>	<u>CAS #</u>	<u>µg/kg</u>	<u>ANALYTE</u>	<u>CAS #</u>	<u>µg/kg</u>	
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5	
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10	
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10	
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5	
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0	
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5	
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5	
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0	
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10	
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5	
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5	
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5	
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5	
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5	
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5	
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5	
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5	
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5	
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5	
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5	
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5	
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0	
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5	
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5	
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5	
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5	
1,1-Dichloroethane	75-34-3	<2.5	m- & p-Xylenes	179601-23-1	<5.0	
1,2-Dichloroethane	107-06-2	<2.5	o-Xylene	95-47-6	<2.5	
1,1-Dichloroethene	75-35-4	<2.5				
cis-1,2-Dichloroethene	156-59-2	<2.5				
trans-1,2-Dichloroethene	156-60-5	<2.5				
1,2-Dichloropropane	78-87-5	<2.5				
1,3-Dichloropropane	142-28-9	<2.5				
2,2-Dichloropropane	594-20-7	<2.5				
1,1-Dichloropropene	563-58-6	<2.5				
cis-1,3-Dichloropropene	10061-01-5	<2.5				
<u>Surrogate:</u>	<u>% RC</u>	<u>Acceptable % RC</u>	<u>Dilution Factor:</u>	<u>1</u>		
Dibromofluoromethane:	85	67-130 %	<u>Data Qualifiers:</u>	<u>None</u>		
Toluene-d8:	93	60-130 %				
4-Bromofluorobenzene:	91	42-133 %				

Ms. Anna Scott
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Lab Reference # GTK 28077
Project Name: Vernola Trust
Project #: 2903-CR

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
S-14 @6"	28077-017	8/18/2023 11:59	8/18/2023	8/18/2023 15:45	8/31/2023 2:30	Soil
ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg	
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5	
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10	
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10	
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5	
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0	
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5	
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5	
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0	
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10	
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5	
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5	
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5	
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5	
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5	
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5	
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5	
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5	
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5	
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5	
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5	
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5	
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0	
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5	
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5	
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5	
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5	
1,1-Dichloroethane	75-34-3	<2.5	m- & p-Xylenes	179601-23-1	<5.0	
1,2-Dichloroethane	107-06-2	<2.5	o-Xylene	95-47-6	<2.5	
1,1-Dichloroethene	75-35-4	<2.5				
cis-1,2-Dichloroethene	156-59-2	<2.5				
trans-1,2-Dichloroethene	156-60-5	<2.5				
1,2-Dichloropropane	78-87-5	<2.5				
1,3-Dichloropropane	142-28-9	<2.5				
2,2-Dichloropropane	594-20-7	<2.5				
1,1-Dichloropropene	563-58-6	<2.5				
cis-1,3-Dichloropropene	10061-01-5	<2.5				
<u>Surrogate:</u>	<u>% RC</u>	<u>Acceptable % RC</u>	<u>Dilution Factor:</u>	1		
Dibromofluoromethane:	83	67-130 %	<u>Data Qualifiers:</u>	None		
Toluene-d8:	90	60-130 %				
4-Bromofluorobenzene:	85	42-133 %				

Ms. Anna Scott
GeoTek, Inc.
1548 N. Maple St
Corona, CA, 92880

Lab Reference # GTK 28077
Project Name: Vernola Trust
Project #: 2903-CR

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
Method Blank	MBHT0818231			8/18/2023 15:45	8/30/2023 20:29	Soil
<u>ANALYTE</u>	<u>CAS #</u>	<u>µg/kg</u>	<u>ANALYTE</u>	<u>CAS #</u>	<u>µg/kg</u>	
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5	
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10	
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10	
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5	
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0	
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5	
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5	
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0	
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10	
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5	
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5	
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5	
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5	
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5	
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5	
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5	
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5	
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5	
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5	
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5	
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5	
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0	
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5	
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5	
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5	
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5	
1,1-Dichloroethane	75-34-3	<2.5	m- & p-Xylenes	179601-23-1	<5.0	
1,2-Dichloroethane	107-06-2	<2.5	o-Xylene	95-47-6	<2.5	
1,1-Dichloroethene	75-35-4	<2.5				
cis-1,2-Dichloroethene	156-59-2	<2.5				
trans-1,2-Dichloroethene	156-60-5	<2.5				
1,2-Dichloropropane	78-87-5	<2.5				
1,3-Dichloropropane	142-28-9	<2.5				
2,2-Dichloropropane	594-20-7	<2.5				
1,1-Dichloropropene	563-58-6	<2.5				
cis-1,3-Dichloropropene	10061-01-5	<2.5				
<u>Surrogate:</u>	<u>% RC</u>	<u>Acceptable % RC</u>	<u>Dilution Factor:</u>	1		
Dibromofluoromethane:	83	67-130 %	<u>Data Qualifiers:</u>	None		
Toluene-d8:	90	60-130 %				
4-Bromofluorobenzene:	86	42-133 %				

Ms. Anna Scott
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Corona, CA, 92880

Lab Reference # GTK 28077
Project Name: Vernola Trust
Project #: 2903-CR

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
S-1 @6"	28077-001	8/18/2023 11:59	8/18/2023	Soil

<u>ANALYTE</u>	<u>EPA Method</u>	<u>Result</u>	<u>Units</u>	<u>Date Extracted</u>	<u>Date Analyzed</u>	<u>Qual</u>	<u>DF</u>
Antimony	6010B	<2.0	mg/kg	08/22/23 16:50	08/23/23 12:23	--	1
Arsenic	6010B	8.1	mg/kg	08/22/23 16:50	08/23/23 12:23	--	1
Barium	6010B	79	mg/kg	08/22/23 16:50	08/23/23 12:23	--	1
Beryllium	6010B	<0.50	mg/kg	08/22/23 16:50	08/23/23 12:23	--	1
Cadmium	6010B	<0.50	mg/kg	08/22/23 16:50	08/23/23 12:23	--	1
Chromium	6010B	23	mg/kg	08/22/23 16:50	08/23/23 12:23	--	1
Cobalt	6010B	9.7	mg/kg	08/22/23 16:50	08/23/23 12:23	--	1
Copper	6010B	16	mg/kg	08/22/23 16:50	08/23/23 12:23	--	1
Lead	6010B	6.2	mg/kg	08/22/23 16:50	08/23/23 12:23	--	1
Mercury	7471A	<0.10	mg/kg	08/23/23 15:00	08/25/23 12:02	--	1
Molybdenum	6010B	<1.0	mg/kg	08/22/23 16:50	08/23/23 12:23	--	1
Nickel	6010B	17	mg/kg	08/22/23 16:50	08/23/23 12:23	--	1
Selenium	6010B	<4.8	mg/kg	08/22/23 16:50	08/23/23 12:23	--	1
Silver	6010B	<0.50	mg/kg	08/22/23 16:50	08/23/23 12:23	--	1
Thallium	6010B	<2.0	mg/kg	08/22/23 16:50	08/23/23 12:23	--	1
Vanadium	6010B	38	mg/kg	08/22/23 16:50	08/23/23 12:23	--	1
Zinc	6010B	43	mg/kg	08/22/23 16:50	08/23/23 12:23	--	1

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Lab Reference # GTK 28077
Project Name: Vernola Trust
Project #: 2903-CR

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
S-2 @6"	28077-002	8/18/2023 11:59	8/18/2023	Soil

<u>ANALYTE</u>	<u>EPA Method</u>	<u>Result</u>	<u>Units</u>	<u>Date Extracted</u>	<u>Date Analyzed</u>	<u>Qual</u>	<u>DF</u>
Antimony	6010B	<2.0	mg/kg	08/22/23 16:50	08/23/23 12:26	--	1
Arsenic	6010B	5.1	mg/kg	08/22/23 16:50	08/23/23 12:26	--	1
Barium	6010B	80	mg/kg	08/22/23 16:50	08/23/23 12:26	--	1
Beryllium	6010B	0.51	mg/kg	08/22/23 16:50	08/23/23 12:26	--	1
Cadmium	6010B	0.75	mg/kg	08/22/23 16:50	08/23/23 12:26	--	1
Chromium	6010B	93	mg/kg	08/22/23 16:50	08/23/23 12:26	--	1
Cobalt	6010B	9.9	mg/kg	08/22/23 16:50	08/23/23 12:26	--	1
Copper	6010B	25	mg/kg	08/22/23 16:50	08/23/23 12:26	--	1
Lead	6010B	12	mg/kg	08/22/23 16:50	08/23/23 12:26	--	1
Mercury	7471A	<0.10	mg/kg	08/23/23 15:00	08/25/23 12:11	--	1
Molybdenum	6010B	<1.0	mg/kg	08/22/23 16:50	08/23/23 12:26	--	1
Nickel	6010B	15	mg/kg	08/22/23 16:50	08/23/23 12:26	--	1
Selenium	6010B	<4.8	mg/kg	08/22/23 16:50	08/23/23 12:26	--	1
Silver	6010B	<0.50	mg/kg	08/22/23 16:50	08/23/23 12:26	--	1
Thallium	6010B	<2.0	mg/kg	08/22/23 16:50	08/23/23 12:26	--	1
Vanadium	6010B	110	mg/kg	08/22/23 16:50	08/23/23 12:26	--	1
Zinc	6010B	100	mg/kg	08/22/23 16:50	08/23/23 12:26	--	1

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Lab Reference # GTK 28077
Project Name: Vernola Trust
Project #: 2903-CR

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
S-3 @6"	28077-003	8/18/2023 11:59	8/18/2023	Soil

<u>ANALYTE</u>	<u>EPA Method</u>	<u>Result</u>	<u>Units</u>	<u>Date Extracted</u>	<u>Date Analyzed</u>	<u>Qual</u>	<u>DF</u>
Antimony	6010B	<2.0	mg/kg	08/22/23 16:50	08/23/23 12:29	--	1
Arsenic	6010B	4.7	mg/kg	08/22/23 16:50	08/23/23 12:29	--	1
Barium	6010B	89	mg/kg	08/22/23 16:50	08/23/23 12:29	--	1
Beryllium	6010B	<0.50	mg/kg	08/22/23 16:50	08/23/23 12:29	--	1
Cadmium	6010B	<0.50	mg/kg	08/22/23 16:50	08/23/23 12:29	--	1
Chromium	6010B	45	mg/kg	08/22/23 16:50	08/23/23 12:29	--	1
Cobalt	6010B	7.3	mg/kg	08/22/23 16:50	08/23/23 12:29	--	1
Copper	6010B	11	mg/kg	08/22/23 16:50	08/23/23 12:29	--	1
Lead	6010B	7.3	mg/kg	08/22/23 16:50	08/23/23 12:29	--	1
Mercury	7471A	<0.10	mg/kg	08/23/23 15:00	08/25/23 12:13	--	1
Molybdenum	6010B	<1.0	mg/kg	08/22/23 16:50	08/23/23 12:29	--	1
Nickel	6010B	10	mg/kg	08/22/23 16:50	08/23/23 12:29	--	1
Selenium	6010B	<4.8	mg/kg	08/22/23 16:50	08/23/23 12:29	--	1
Silver	6010B	<0.50	mg/kg	08/22/23 16:50	08/23/23 12:29	--	1
Thallium	6010B	<2.0	mg/kg	08/22/23 16:50	08/23/23 12:29	--	1
Vanadium	6010B	35	mg/kg	08/22/23 16:50	08/23/23 12:29	--	1
Zinc	6010B	37	mg/kg	08/22/23 16:50	08/23/23 12:29	--	1

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Lab Reference # GTK 28077
Project Name: Vernola Trust
Project #: 2903-CR

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
S-4 @6"	28077-004	8/18/2023 11:59	8/18/2023	Soil

<u>ANALYTE</u>	<u>EPA Method</u>	<u>Result</u>	<u>Units</u>	<u>Date Extracted</u>	<u>Date Analyzed</u>	<u>Qual</u>	<u>DF</u>
Antimony	6010B	<2.0	mg/kg	08/22/23 16:50	08/23/23 12:32	--	1
Arsenic	6010B	4.2	mg/kg	08/22/23 16:50	08/23/23 12:32	--	1
Barium	6010B	58	mg/kg	08/22/23 16:50	08/23/23 12:32	--	1
Beryllium	6010B	<0.50	mg/kg	08/22/23 16:50	08/23/23 12:32	--	1
Cadmium	6010B	<0.50	mg/kg	08/22/23 16:50	08/23/23 12:32	--	1
Chromium	6010B	20	mg/kg	08/22/23 16:50	08/23/23 12:32	--	1
Cobalt	6010B	7.6	mg/kg	08/22/23 16:50	08/23/23 12:32	--	1
Copper	6010B	15	mg/kg	08/22/23 16:50	08/23/23 12:32	--	1
Lead	6010B	7.9	mg/kg	08/22/23 16:50	08/23/23 12:32	--	1
Mercury	7471A	<0.10	mg/kg	08/23/23 15:00	08/25/23 12:15	--	1
Molybdenum	6010B	1.4	mg/kg	08/22/23 16:50	08/23/23 12:32	--	1
Nickel	6010B	10	mg/kg	08/22/23 16:50	08/23/23 12:32	--	1
Selenium	6010B	<4.8	mg/kg	08/22/23 16:50	08/23/23 12:32	--	1
Silver	6010B	<0.50	mg/kg	08/22/23 16:50	08/23/23 12:32	--	1
Thallium	6010B	<2.0	mg/kg	08/22/23 16:50	08/23/23 12:32	--	1
Vanadium	6010B	37	mg/kg	08/22/23 16:50	08/23/23 12:32	--	1
Zinc	6010B	44	mg/kg	08/22/23 16:50	08/23/23 12:32	--	1

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Lab Reference # GTK 28077
Project Name: Vernola Trust
Project #: 2903-CR

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
S-5 @6"	28077-005	8/18/2023 11:59	8/18/2023	Soil

<u>ANALYTE</u>	<u>EPA Method</u>	<u>Result</u>	<u>Units</u>	<u>Date Extracted</u>	<u>Date Analyzed</u>	<u>Qual</u>	<u>DF</u>
Antimony	6010B	<2.0	mg/kg	08/22/23 16:50	08/23/23 12:35	--	1
Arsenic	6010B	2.4	mg/kg	08/22/23 16:50	08/23/23 12:35	--	1
Barium	6010B	130	mg/kg	08/22/23 16:50	08/23/23 12:35	--	1
Beryllium	6010B	0.91	mg/kg	08/22/23 16:50	08/23/23 12:35	--	1
Cadmium	6010B	1.1	mg/kg	08/22/23 16:50	08/23/23 12:35	--	1
Chromium	6010B	110	mg/kg	08/22/23 16:50	08/23/23 12:35	--	1
Cobalt	6010B	8.9	mg/kg	08/22/23 16:50	08/23/23 12:35	--	1
Copper	6010B	37	mg/kg	08/22/23 16:50	08/23/23 12:35	--	1
Lead	6010B	25	mg/kg	08/22/23 16:50	08/23/23 12:35	--	1
Mercury	7471A	<0.10	mg/kg	08/23/23 15:00	08/25/23 12:17	--	1
Molybdenum	6010B	<1.0	mg/kg	08/22/23 16:50	08/23/23 12:35	--	1
Nickel	6010B	13	mg/kg	08/22/23 16:50	08/23/23 12:35	--	1
Selenium	6010B	<4.8	mg/kg	08/22/23 16:50	08/23/23 12:35	--	1
Silver	6010B	<0.50	mg/kg	08/22/23 16:50	08/23/23 12:35	--	1
Thallium	6010B	<2.0	mg/kg	08/22/23 16:50	08/23/23 12:35	--	1
Vanadium	6010B	120	mg/kg	08/22/23 16:50	08/23/23 12:35	--	1
Zinc	6010B	170	mg/kg	08/22/23 16:50	08/23/23 12:35	--	1

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Lab Reference # GTK 28077
 Project Name: Vernola Trust
 Project #: 2903-CR

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
S-6 @6"	28077-006	8/18/2023 11:59	8/18/2023	Soil

<u>ANALYTE</u>	<u>EPA Method</u>	<u>Result</u>	<u>Units</u>	<u>Date Extracted</u>	<u>Date Analyzed</u>	<u>Qual</u>	<u>DF</u>
Antimony	6010B	<2.0	mg/kg	08/22/23 16:50	08/23/23 12:38	--	1
Arsenic	6010B	3.0	mg/kg	08/22/23 16:50	08/23/23 12:38	--	1
Barium	6010B	170	mg/kg	08/22/23 16:50	08/23/23 12:38	--	1
Beryllium	6010B	1.2	mg/kg	08/22/23 16:50	08/23/23 12:38	--	1
Cadmium	6010B	0.69	mg/kg	08/22/23 16:50	08/23/23 12:38	--	1
Chromium	6010B	59	mg/kg	08/22/23 16:50	08/23/23 12:38	--	1
Cobalt	6010B	8.5	mg/kg	08/22/23 16:50	08/23/23 12:38	--	1
Copper	6010B	24	mg/kg	08/22/23 16:50	08/23/23 12:38	--	1
Lead	6010B	13	mg/kg	08/22/23 16:50	08/23/23 12:38	--	1
Mercury	7471A	<0.10	mg/kg	08/23/23 15:00	08/25/23 12:18	--	1
Molybdenum	6010B	<1.0	mg/kg	08/22/23 16:50	08/23/23 12:38	--	1
Nickel	6010B	12	mg/kg	08/22/23 16:50	08/23/23 12:38	--	1
Selenium	6010B	<4.8	mg/kg	08/22/23 16:50	08/23/23 12:38	--	1
Silver	6010B	<0.50	mg/kg	08/22/23 16:50	08/23/23 12:38	--	1
Thallium	6010B	<2.0	mg/kg	08/22/23 16:50	08/23/23 12:38	--	1
Vanadium	6010B	99	mg/kg	08/22/23 16:50	08/23/23 12:38	--	1
Zinc	6010B	90	mg/kg	08/22/23 16:50	08/23/23 12:38	--	1

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Lab Reference # GTK 28077
Project Name: Vernola Trust
Project #: 2903-CR

Metals

Client Sample ID		Lab Sample Number	Date Received		Date Sampled		Matrix		
S-7 @6"		28077-007	8/18/2023	11:59	8/18/2023		Soil		
ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF		
Antimony	6010B	<2.0	mg/kg	08/22/23 16:50	08/23/23 12:41	--	1		
Arsenic	6010B	5.0	mg/kg	08/22/23 16:50	08/23/23 12:41	--	1		
Barium	6010B	150	mg/kg	08/22/23 16:50	08/23/23 12:41	--	1		
Beryllium	6010B	<0.50	mg/kg	08/22/23 16:50	08/23/23 12:41	--	1		
Cadmium	6010B	2.4	mg/kg	08/22/23 16:50	08/23/23 12:41	--	1		
Chromium	6010B	250	mg/kg	08/22/23 16:50	08/23/23 12:41	--	1		
Cobalt	6010B	12	mg/kg	08/22/23 16:50	08/23/23 12:41	--	1		
Copper	6010B	2300	mg/kg	08/22/23 16:50	08/23/23 17:15	D2,	10		
Lead	6010B	100	mg/kg	08/22/23 16:50	08/23/23 12:41	--	1		
Mercury	7471A	<0.10	mg/kg	08/23/23 15:00	08/25/23 12:20	--	1		
Molybdenum	6010B	36	mg/kg	08/22/23 16:50	08/23/23 12:41	--	1		
Nickel	6010B	66	mg/kg	08/22/23 16:50	08/23/23 12:41	--	1		
Selenium	6010B	<4.8	mg/kg	08/22/23 16:50	08/23/23 12:41	--	1		
Silver	6010B	<0.50	mg/kg	08/22/23 16:50	08/23/23 12:41	--	1		
Thallium	6010B	<2.0	mg/kg	08/22/23 16:50	08/23/23 12:41	--	1		
Vanadium	6010B	28	mg/kg	08/22/23 16:50	08/23/23 12:41	--	1		
Zinc	6010B	400	mg/kg	08/22/23 16:50	08/23/23 12:41	--	1		

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Lab Reference # GTK 28077
 Project Name: Vernola Trust
 Project #: 2903-CR

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
S-8 @6"	28077-008	8/18/2023 11:59	8/18/2023	Soil

<u>ANALYTE</u>	<u>EPA Method</u>	<u>Result</u>	<u>Units</u>	<u>Date Extracted</u>	<u>Date Analyzed</u>	<u>Qual</u>	<u>DF</u>
Antimony	6010B	<2.0	mg/kg	08/22/23 16:50	08/23/23 12:45	--	1
Arsenic	6010B	2.6	mg/kg	08/22/23 16:50	08/23/23 12:45	--	1
Barium	6010B	91	mg/kg	08/22/23 16:50	08/23/23 12:45	--	1
Beryllium	6010B	<0.50	mg/kg	08/22/23 16:50	08/23/23 12:45	--	1
Cadmium	6010B	1.7	mg/kg	08/22/23 16:50	08/23/23 12:45	--	1
Chromium	6010B	37	mg/kg	08/22/23 16:50	08/23/23 12:45	--	1
Cobalt	6010B	7.4	mg/kg	08/22/23 16:50	08/23/23 12:45	--	1
Copper	6010B	25	mg/kg	08/22/23 16:50	08/23/23 12:45	--	1
Lead	6010B	110	mg/kg	08/22/23 16:50	08/23/23 12:45	--	1
Mercury	7471A	<0.10	mg/kg	08/23/23 15:00	08/25/23 12:22	--	1
Molybdenum	6010B	<1.0	mg/kg	08/22/23 16:50	08/23/23 12:45	--	1
Nickel	6010B	10	mg/kg	08/22/23 16:50	08/23/23 12:45	--	1
Selenium	6010B	<4.8	mg/kg	08/22/23 16:50	08/23/23 12:45	--	1
Silver	6010B	<0.50	mg/kg	08/22/23 16:50	08/23/23 12:45	--	1
Thallium	6010B	<2.0	mg/kg	08/22/23 16:50	08/23/23 12:45	--	1
Vanadium	6010B	41	mg/kg	08/22/23 16:50	08/23/23 12:45	--	1
Zinc	6010B	130	mg/kg	08/22/23 16:50	08/23/23 12:45	--	1

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Lab Reference # GTK 28077
Project Name: Vernola Trust
Project #: 2903-CR

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
S-9 @6"	28077-009	8/18/2023 11:59	8/18/2023	Soil

<u>ANALYTE</u>	<u>EPA Method</u>	<u>Result</u>	<u>Units</u>	<u>Date Extracted</u>	<u>Date Analyzed</u>	<u>Qual</u>	<u>DF</u>
Antimony	6010B	<2.0	mg/kg	08/22/23 16:50	08/23/23 12:55	--	1
Arsenic	6010B	<2.0	mg/kg	08/22/23 16:50	08/23/23 12:55	--	1
Barium	6010B	99	mg/kg	08/22/23 16:50	08/23/23 12:55	--	1
Beryllium	6010B	0.74	mg/kg	08/22/23 16:50	08/23/23 12:55	--	1
Cadmium	6010B	0.79	mg/kg	08/22/23 16:50	08/23/23 12:55	--	1
Chromium	6010B	180	mg/kg	08/22/23 16:50	08/23/23 12:55	--	1
Cobalt	6010B	9.0	mg/kg	08/22/23 16:50	08/23/23 12:55	--	1
Copper	6010B	27	mg/kg	08/22/23 16:50	08/23/23 12:55	--	1
Lead	6010B	13	mg/kg	08/22/23 16:50	08/23/23 12:55	--	1
Mercury	7471A	<0.10	mg/kg	08/23/23 15:00	08/25/23 12:24	--	1
Molybdenum	6010B	<1.0	mg/kg	08/22/23 16:50	08/23/23 12:55	--	1
Nickel	6010B	9.3	mg/kg	08/22/23 16:50	08/23/23 12:55	--	1
Selenium	6010B	<4.8	mg/kg	08/22/23 16:50	08/23/23 12:55	--	1
Silver	6010B	<0.50	mg/kg	08/22/23 16:50	08/23/23 12:55	--	1
Thallium	6010B	<2.0	mg/kg	08/22/23 16:50	08/23/23 12:55	--	1
Vanadium	6010B	250	mg/kg	08/22/23 16:50	08/23/23 12:55	--	1
Zinc	6010B	66	mg/kg	08/22/23 16:50	08/23/23 12:55	--	1

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Lab Reference # GTK 28077
Project Name: Vernola Trust
Project #: 2903-CR

Metals

Client Sample ID		Lab Sample Number	Date Received		Date Sampled		Matrix		
S-10 @6"		28077-010	8/18/2023	11:59	8/18/2023		Soil		
ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF		
Antimony	6010B	<2.0	mg/kg	08/22/23 16:50	08/23/23 12:58	--	1		
Arsenic	6010B	4.6	mg/kg	08/22/23 16:50	08/23/23 12:58	--	1		
Barium	6010B	94	mg/kg	08/22/23 16:50	08/23/23 12:58	--	1		
Beryllium	6010B	<0.50	mg/kg	08/22/23 16:50	08/23/23 12:58	--	1		
Cadmium	6010B	<0.50	mg/kg	08/22/23 16:50	08/23/23 12:58	--	1		
Chromium	6010B	47	mg/kg	08/22/23 16:50	08/23/23 12:58	--	1		
Cobalt	6010B	9.3	mg/kg	08/22/23 16:50	08/23/23 12:58	--	1		
Copper	6010B	18	mg/kg	08/22/23 16:50	08/23/23 12:58	--	1		
Lead	6010B	9.7	mg/kg	08/22/23 16:50	08/23/23 12:58	--	1		
Mercury	7471A	<0.10	mg/kg	08/23/23 15:00	08/25/23 12:26	--	1		
Molybdenum	6010B	<1.0	mg/kg	08/22/23 16:50	08/23/23 12:58	--	1		
Nickel	6010B	13	mg/kg	08/22/23 16:50	08/23/23 12:58	--	1		
Selenium	6010B	<4.8	mg/kg	08/22/23 16:50	08/23/23 12:58	--	1		
Silver	6010B	<0.50	mg/kg	08/22/23 16:50	08/23/23 12:58	--	1		
Thallium	6010B	<2.0	mg/kg	08/22/23 16:50	08/23/23 12:58	--	1		
Vanadium	6010B	65	mg/kg	08/22/23 16:50	08/23/23 12:58	--	1		
Zinc	6010B	60	mg/kg	08/22/23 16:50	08/23/23 12:58	--	1		

Ms. Anna Scott
GeoTek, Inc.
1548 N. Maple St
Corona, CA, 92880

Lab Reference # GTK 28077
Project Name: Vernola Trust
Project #: 2903-CR

Metals

Client Sample ID			Lab Sample Number	Date Received	Date Sampled			Matrix		
Method Blank								Soil		
MB ID	ANALYTE	EPA Method	Result	Units	Date Extracted		Date Analyzed		Qual	DF
MBJH0822234	Antimony	6010B	<2.0	mg/kg	08/22/23	16:50	08/23/23	12:01	--	1
MBJH0822234	Arsenic	6010B	<2.0	mg/kg	08/22/23	16:50	08/23/23	12:01	--	1
MBJH0822234	Barium	6010B	<1.0	mg/kg	08/22/23	16:50	08/23/23	12:01	--	1
MBJH0822234	Beryllium	6010B	<0.50	mg/kg	08/22/23	16:50	08/23/23	12:01	--	1
MBJH0822234	Cadmium	6010B	<0.50	mg/kg	08/22/23	16:50	08/23/23	12:01	--	1
MBJH0822234	Chromium	6010B	<0.50	mg/kg	08/22/23	16:50	08/23/23	12:01	--	1
MBJH0822234	Cobalt	6010B	<0.50	mg/kg	08/22/23	16:50	08/23/23	12:01	--	1
MBJH0822234	Copper	6010B	<5.0	mg/kg	08/22/23	16:50	08/23/23	12:01	--	1
MBJH0822234	Lead	6010B	<0.80	mg/kg	08/22/23	16:50	08/23/23	12:01	--	1
MBJH0823234	Mercury	7471A	<0.10	mg/kg	08/23/23	15:00	08/25/23	11:58	--	1
MBJH0822234	Molybdenum	6010B	<1.0	mg/kg	08/22/23	16:50	08/23/23	12:01	--	1
MBJH0822234	Nickel	6010B	<1.0	mg/kg	08/22/23	16:50	08/23/23	12:01	--	1
MBJH0822234	Selenium	6010B	<4.8	mg/kg	08/22/23	16:50	08/23/23	12:01	--	1
MBJH0822234	Silver	6010B	<0.50	mg/kg	08/22/23	16:50	08/23/23	12:01	--	1
MBJH0822234	Thallium	6010B	<2.0	mg/kg	08/22/23	16:50	08/23/23	12:01	--	1
MBJH0822234	Vanadium	6010B	<0.50	mg/kg	08/22/23	16:50	08/23/23	12:01	--	1
MBJH0822234	Zinc	6010B	<5.0	mg/kg	08/22/23	16:50	08/23/23	12:01	--	1

QA/QC Report
for
Extactable Fuel Hydrocarbons (EPA 8015B/8015M)
Reporting units: ppm

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Date of Extraction: 8/21/2023 15:15

Date of Analysis: 8/29/2023 3:14

Dup Date of Analysis: 8/29/2023 3:31

Laboratory Sample #: 28077-001

MS/MSD Qualifiers: M1, R2,

Reference #: GTK 28077

Analyte	R	SPC CONC	MS	MSD	%MS	%MSD	RPD	ACP %MS	ACP RPD	Qual
EFH as Diesel	0.00	1000	1310	1800	131	180	32	13-167	20	☒

Surrogate Recoveries for Spike Samples

Surrogate (%RC)	MS	MSD	Qual	LCS	LCSD	Qual	ACP % RC
Octacosane	89	88	☐	70	66	☐	33-186

Laboratory Control Sample

Date of Extraction: 8/21/2023 15:15

Date of Analysis: 8/29/2023 2:42

Dup Date of Analysis: 8/29/2023 2:58

Laboratory Sample #: RC0821232

LCS Qualifiers: None

Analyte	SPC CONC	LCS	LCSD	%LCS	%LCSD	RPD	ACP %LCS	ACP RPD	Qual
EFH as Diesel	1000	1100	985	110	99	11	33-130	20	☐

QA/QC Report
for
Volatile Fuel Hydrocarbons (EPA 8015B)
Reporting units: ppm

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Date of Extraction: 8/23/2023 10:00

Date of Analysis: 8/23/2023 11:30

Dup Date of Analysis: 8/23/2023 11:50

Laboratory Sample #: 28077-001

MS/MSD Qualifiers: None

Reference #: GTK 28077

Analyte	R	SPC CONC	MS	MSD	%MS	%MSD	RPD	ACP %MS	ACP RPD	Qual
VFH as Gasoline	0.00	0.250	0.235	0.233	94	93	1	20-130	50	☐

Surrogate Recoveries for Spike Samples

Surrogate (%RC)	MS	MSD	Qual
α - α -Trifluorotoluene	52	57	☐

LCS	LCSD	Qual
53	57	☐

ACP % RC
33-132

Laboratory Control Sample

Date of Extraction: 8/23/2023 10:00

Date of Analysis: 8/23/2023 10:51

Dup Date of Analysis: 8/23/2023 11:10

Laboratory Sample #: LY0823231

LCS Qualifiers: None

Analyte	SPC CONC	LCS	LCSD	%LCS	%LCSD	RPD	ACP %LCS	ACP RPD	Qual
VFH as Gasoline	0.250	0.210	0.255	84	102	19	33-130	31	☐

QA/QC Report
for
Organochlorine Pesticides (EPA 8081A)
Reporting Units: ppb

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Date of Extraction: 8/28/2023 14:09

Date of Analysis: 8/29/2023 12:12

Dup Date of Analysis: 8/29/2023 12:27

Laboratory Sample #: AZ14131-006

MS/MSD Qualifiers: M3,

Reference #: GTK 28077

Analyte	R	Spike Conc.	MS	MSD	%MS	%MSD	RPD	ACP %MS	ACP RPD	Qual
Aldrin	0.00	20.0	13.8	15.2	69	76	10	12-130	25	--
alpha-BHC	0.00	20.0	14.4	15.9	72	79	10	14-130	26	--
beta-BHC	0.00	20.0	16.0	16.9	80	84	5	16-137	25	--
gamma-BHC (Lindane)	0.00	20.0	15.6	16.9	78	84	8	16-130	24	--
4,4'-DDD	0.00	20.0	17.2	18.3	86	91	6	21-156	21	--
4,4'-DDE	63.0	20.0	61.9	63.3	0	1	2	25-160	20	M3,
4,4'-DDT	0.00	20.0	21.0	19.8	105	99	6	27-166	20	--
delta-BHC	0.00	20.0	17.7	19.0	89	95	7	20-142	28	--
Dieldrin	0.00	20.0	21.0	23.6	105	118	12	24-142	20	--
Endosulfan I	0.00	20.0	15.3	16.6	76	83	8	17-150	23	--
Endosulfan II	0.00	20.0	17.2	17.8	86	89	3	19-137	29	--
Endosulfan sulfate	0.00	20.0	14.2	15.3	71	76	7	D-147	68	--
Endrin	0.00	20.0	18.6	18.7	93	94	1	24-150	25	--
Endrin Aldehyde	0.00	20.0	17.1	17.6	86	88	3	D-131	64	--
Endrin ketone	0.00	20.0	16.4	17.4	82	87	6	7-130	45	--
Heptachlor	0.00	20.0	14.6	16.6	73	83	13	11-130	28	--
Heptachlor epoxide	0.00	20.0	16.6	18.1	83	91	9	17-135	24	--
Methoxychlor	0.00	20.0	16.5	16.6	82	83	1	14-151	33	--

Surrogate Recoveries for Spike Samples

Surrogate (%RC)	MS	MSD	Qual	LCS	LCSD	Qual	ACP % RC
Decachlorobiphenyl	103	106	☐	118	115	☐	37-130

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

Date of Extraction: 8/28/2023 14:09

Date of Analysis: 8/29/2023 10:15

Dup Date of Analysis: 8/29/2023 10:30

Laboratory Sample #: VV0828231

LCS/LCSD Qualifiers: None

Analyte	Spike Conc.	LCS	LCSD	%LCS	%LCSD	RPD	ACP %LCS	ACP RPD	Qual
Aldrin	20.0	11.7	13.0	58	65	11	5-130	27	--
alpha-BHC	20.0	15.3	13.2	76	66	15	7-130	26	--
beta-BHC	20.0	17.1	16.8	86	84	2	14-139	25	--
gamma-BHC (Lindane)	20.0	16.7	15.1	84	75	10	11-130	26	--
4,4'-DDD	20.0	19.8	19.7	99	99	1	25-161	20	--
4,4'-DDE	20.0	20.0	19.4	100	97	3	26-155	20	--

QA/QC Report
for
Organochlorine Pesticides (EPA 8081A)
Reporting Units: ppb

Analyte	Spike Conc.	LCS	LCSD	%LCS	%LCSD	RPD	ACP %LCS	ACP RPD	Qual
4,4'-DDT	20.0	19.7	19.7	99	99	0	20-150	20	--
delta-BHC	20.0	18.9	18.6	94	93	2	18-139	26	--
Dieldrin	20.0	18.2	17.8	91	89	2	19-135	22	--
Endosulfan I	20.0	18.0	17.3	90	86	4	13-143	28	--
Endosulfan II	20.0	18.3	18.3	91	91	0	19-142	20	--
Endosulfan sulfate	20.0	17.3	17.8	86	89	3	5-154	38	--
Endrin	20.0	15.2	12.7	76	63	18	22-138	20	--
Endrin Aldehyde	20.0	16.4	16.7	82	84	2	2-132	38	--
Endrin ketone	20.0	18.5	20.3	93	101	9	10-140	23	--
Heptachlor	20.0	15.6	13.4	78	67	15	4-130	29	--
Heptachlor epoxide	20.0	17.5	17.4	88	87	1	12-131	26	--
Methoxychlor	20.0	17.4	17.2	87	86	1	25-151	20	--

QA/QC Report
for
Chlorinated Herbicides (8151A)
Reporting Units: ppb

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Date of Extraction: 8/23/2023 9:39

Date of Analysis: 8/24/2023 18:33

Dup Date of Analysis: 8/24/2023 18:57

Laboratory Sample #: 28058-001

MS/MSD Qualifiers: M1,

Reference #: GTK 28077

Analyte	R	Spike Conc.	MS	MSD	%MS	%MSD	RPD	ACP %MS	ACP RPD	Qual
2,4-D	0.00	500	747	725	149	145	3	D-130	50	M1,
Dicamba	0.00	500	718	670	144	134	7	22-147	41	--
Dichloroprop	0.00	500	686	654	137	131	5	7-130	47	M1,
2,4,5-T	0.00	500	574	673	115	135	16	24-130	46	M1,
2,4,5-TP (Silvex)	0.00	500	718	690	144	138	4	30-130	50	M1,

Surrogate Recoveries for Spike Samples

Surrogate (%RC)	MS	MSD	Qual	LCS	LCSD	Qual	ACP % RC
2,4-Dichlorophenylacetic acid	117	107	☐	115	111	☐	10-143

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

Date of Extraction: 8/23/2023 9:39

Date of Analysis: 8/24/2023 17:46

Dup Date of Analysis: 8/24/2023 18:03

Laboratory Sample #: VV0823231

LCS/LCSD Qualifiers: L1,

Analyte	Spike Conc.	LCS	LCSD	%LCS	%LCSD	RPD	ACP %LCS	ACP RPD	Qual
2,4-D	500	686	721	137	144	5	19-130	40	L1,
Dicamba	500	705	712	141	142	1	48-133	28	L1,
Dichloroprop	500	644	663	129	133	3	30-130	30	L1,
2,4,5-T	500	585	635	117	127	8	36-130	34	--
2,4,5-TP (Silvex)	500	686	704	137	141	3	42-130	30	L1,

QA/QC Report
for
Volatile Organic Compounds (8260B)
Reporting Units: ppb

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Date of Extraction: 8/30/2023 19:10

Date of Analysis: 8/30/2023 21:29

Dup Date of Analysis: 8/30/2023 21:49

Laboratory Sample #: 28077-001

MS/MSD Qualifiers: None

Reference #: GTK 28077

Analyte	R	Spike Conc.	MS	MSD	%MS	%MSD	RPD	ACP %MS	ACP RPD	Qual
Benzene	0.00	10.0	10.2	10.8	102	108	6	70-137	20	--
Chlorobenzene	0.00	10.0	10.4	11.1	104	111	7	70-132	20	--
1,1-Dichloroethene	0.00	10.0	8.91	10.1	89	101	13	42-130	20	--
Toluene	0.00	10.0	10.2	11.0	102	110	8	70-130	20	--
Trichloroethene	0.00	10.0	10.4	11.0	104	110	6	66-140	20	--

Surrogate Recoveries for Spike Samples

Surrogate (%RC)	MS	MSD	Qual	LCS	LCSD	Qual	ACP % RC
Dibromofluoromethane	84	85	☐	83	83	☐	67-130
Toluene-d8	90	92	☐	92	88	☐	60-130
4-Bromofluorobenzene	88	88	☐	88	85	☐	42-133

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

Date of Extraction: 8/30/2023 19:10

Date of Analysis: 8/30/2023 20:49

Dup Date of Analysis: 8/30/2023 21:10

Laboratory Sample #: HT0830232

LCS/LCSD Qualifiers: None

Analyte	Spike Conc.	LCS	LCSD	%LCS	%LCSD	RPD	ACP %LCS	ACP RPD	Qual
Benzene	10.0	10.6	10.5	106	105	1	70-130	20	--
Chlorobenzene	10.0	11.3	10.9	113	109	4	70-130	20	--
1,1-Dichloroethene	10.0	9.29	9.88	93	99	6	47-130	20	--
Toluene	10.0	11.0	10.5	110	105	5	70-130	20	--
Trichloroethene	10.0	11.0	10.7	110	107	3	70-133	20	--

QA/QC Report for Metals

Reference #: GTK 28077

Reporting units: ppm

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

6010B/7471A

Laboratory Sample #: 28077-001

Date of Extraction: 08/22/23 16:50

Analyte	MS Date of Analysis	MSD Date of Analysis	R1	SPC CONC	MS	MSD	% MS	% MSD	RPD	ACP %MS	ACP RPD	Qualifiers
Antimony	08/23/23 12:17	08/23/23 12:20	0.00	20.0	5.30	4.69	27	23	12	75-125	20	M2,
Arsenic	08/23/23 12:17	08/23/23 12:20	8.10	20.0	26.3	26.4	91	91	0	75-125	20	--
Barium	08/23/23 12:17	08/23/23 12:20	79.0	20.0	95.2	101	81	110	6	75-125	20	--
Beryllium	08/23/23 12:17	08/23/23 12:20	0.00	20.0	20.2	20.1	101	101	0	75-125	20	--
Cadmium	08/23/23 12:17	08/23/23 12:20	0.00	20.0	18.3	18.3	91	91	0	75-125	20	--
Chromium	08/23/23 12:17	08/23/23 12:20	23.0	20.0	44.6	43.1	108	100	3	75-125	20	--
Cobalt	08/23/23 12:17	08/23/23 12:20	9.70	20.0	26.8	27.9	85	91	4	75-125	20	--
Copper	08/23/23 12:17	08/23/23 12:20	16.0	20.0	33.8	34.4	89	92	2	75-125	20	--
Lead	08/23/23 12:17	08/23/23 12:20	6.20	200	174	173	84	83	1	75-125	20	--
Molybdenum	08/23/23 12:17	08/23/23 12:20	0.00	20.0	18.2	18.2	91	91	0	75-125	20	--
Nickel	08/23/23 12:17	08/23/23 12:20	17.0	20.0	32.8	34.8	79	89	6	75-125	20	--
Selenium	08/23/23 12:17	08/23/23 12:20	0.00	20.0	19.9	19.2	99	96	4	75-125	20	--
Silver	08/23/23 12:17	08/23/23 12:20	0.00	20.0	19.4	19.3	97	96	1	75-125	20	--
Thallium	08/23/23 12:17	08/23/23 12:20	0.00	20.0	13.2	12.5	66	63	5	75-125	20	M2,
Vanadium	08/23/23 12:17	08/23/23 12:20	38.0	20.0	56.5	56.6	93	93	0	75-125	20	--
Zinc	08/23/23 12:17	08/23/23 12:20	43.0	20.0	80.0	61.3	185	91	26	75-125	20	M3, R2,

Laboratory Control Spike (LCS) / Laboratory Control Spike Duplicate (LCSD)

6010B/7471A

Laboratory Sample #: JH0822234

Date of Extraction: 08/22/23 16:50

Analyte	LCS Date of Analysis	LCSD Date of Analysis		SPC CONC	LCS	LCSD	% LCS	% LCSD	RPD	ACP %LCS	ACP RPD	Qualifiers
Antimony	08/23/23 12:04	08/23/23 12:07	--	20.0	19.0	17.1	95	86	11	80-120	20	--
Arsenic	08/23/23 12:04	08/23/23 12:07	--	20.0	18.4	16.9	92	84	8	80-120	20	--
Barium	08/23/23 12:04	08/23/23 12:07	--	20.0	19.4	17.4	97	87	11	80-120	20	--
Beryllium	08/23/23 12:04	08/23/23 12:07	--	20.0	19.3	17.5	96	88	10	80-120	20	--
Cadmium	08/23/23 12:04	08/28/23 15:34	--	20.0	17.2	18.1	86	91	5	80-120	20	--
Chromium	08/23/23 12:04	08/23/23 12:07	--	20.0	20.3	18.3	101	91	10	80-120	20	--
Cobalt	08/23/23 12:04	08/23/23 12:07	--	20.0	19.5	17.7	98	89	10	80-120	20	--
Copper	08/23/23 12:04	08/23/23 12:07	--	20.0	18.7	16.9	94	84	10	80-120	20	--
Lead	08/23/23 12:04	08/23/23 12:07	--	200	180	165	90	83	9	80-120	20	--
Molybdenum	08/23/23 12:04	08/23/23 12:07	--	20.0	19.4	17.7	97	89	9	80-120	20	--
Nickel	08/23/23 12:04	08/23/23 12:07	--	20.0	20.8	18.9	104	94	10	80-120	20	--
Selenium	08/23/23 12:04	08/23/23 12:07	--	20.0	18.8	17.5	94	88	7	80-120	20	--
Silver	08/23/23 12:04	08/23/23 12:07	--	20.0	19.8	18.1	99	91	9	80-120	20	--
Thallium	08/23/23 12:04	08/23/23 12:07	--	20.0	18.8	17.0	94	85	10	80-120	20	--
Vanadium	08/23/23 12:04	08/23/23 12:07	--	20.0	18.5	16.8	93	84	10	80-120	20	--
Zinc	08/23/23 12:04	08/23/23 12:07	--	20.0	20.6	19.1	103	96	8	80-120	20	--

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

6010B/7471A

Laboratory Sample #: 28077-001

Date of Extraction: 08/23/23 15:00

Analyte	MS Date of Analysis	MSD Date of Analysis	R1	SPC CONC	MS	MSD	% MS	% MSD	RPD	ACP %MS	ACP RPD	Qualifiers
Mercury	08/25/23 12:04	08/25/23 12:10	0.00	1.00	1.00	0.916	100	92	9	80-120	20	--

**QA/QC Report
for
Metals**

Reference #: GTK 28077

Reporting units: ppm

Laboratory Control Spike (LCS) / Laboratory Control Spike Duplicate (LCSD)

6010B/7471A

Laboratory Sample #: JH0823234

Date of Extraction: 08/23/23 15:00

Analyte	LCS Date of Analysis	LCSD Date of Analysis		SPC CONC	LCS	LCSD	% LCS	% LCSD	RPD	ACP %LCS	ACP RPD	Qualifiers
Mercury	08/25/23 11:59	08/25/23 12:01	--	1.00	0.915	0.916	92	92	0	80-120	20	--

Data Qualifier Definitions

Qualifier

D1 = Sample required dilution due to matrix.

D2 = Sample required dilution due to high concentration of target analyte.

L1 = The associated blank spike recovery was above laboratory acceptance limits.

VV0823231	8151A	2,4,5-TP (Silvex)	LCS/LCSD
VV0823231	8151A	2,4-D	LCS/LCSD
VV0823231	8151A	Dicamba	LCS/LCSD
VV0823231	8151A	Dichloroprop	LCSD

M1 = Matrix spike recovery was high, the associated blank spike recovery was acceptable.

28058-001	8151A	2,4,5-T	MSD
28058-001	8151A	2,4,5-TP (Silvex)	MS/MSD
28058-001	8151A	2,4-D	MS/MSD
28058-001	8151A	Dichloroprop	MS/MSD
28077-001	8015B	EFH	MSD

M2 = Matrix spike recovery was low, the associated blank spike recovery was acceptable.

28077-001	6010B	Antimony	MS/MSD
28077-001	6010B	Thallium	MS/MSD

M3 = The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to spike level.
The associated blank spike recovery was acceptable.

28077-001	6010B	Zinc	MS
AZ14131-006	8081A	4,4'-DDE	MS/MSD

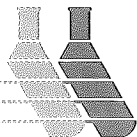
R2 = RPD/RSD exceeded the laboratory acceptance limit.

28077-001	6010B	Zinc	MS/MSD
28077-001	8015B	EFH	MS/MSD

Definition of terms:

R	Result of unspiked laboratory sample used for matrix spike determination.
SP CONC (or Spike Conc.)	Spike concentration added to sample or blank
MS	Matrix Spike sample result
MSD	Matrix Spike Duplicate sample result
%MS	Percent recovery of MS: $\{(MS-R1) / SP\ CONC\} \times 100$
%MSD	Percent recovery of MSD: $\{(MSD-R1) / SP\ CONC\} \times 100$
RPD (for MS/MSD)	Relative Percent Difference: $\{(MS-MSD) / (MS+MSD)\} \times 100 \times 2$
LCS	Laboratory Control Sample result
LCSD	Laboratory Control Sample Duplicate result
%LCS	Percent recovery of LCS: $\{(LCS) / SP\ CONC\} \times 100$
%LCSD	Percent recovery of LCSD: $\{(LCSD) / SP\ CONC\} \times 100$
RPD (for LCS/LCSD)	Relative Percent Difference: $\{(LCS-LCSD) / (LCS+LCSD)\} \times 100 \times 2$
ACP %LCS	Acceptable percent recovery range for Laboratory Control Samples.
ACP %MS	Acceptable percent recovery range for Matrix Spike samples
ACP RPD	Acceptable Relative Percent Difference
D	Detectable, result must be greater than zero
Qual	A checked box indicates a data qualifier was utilized and/or required for this analyte see attached explanation.
ND	Analyte Not Detected

Analysis Request and Chain of Custody Record



ORANGE COAST ANALYTICAL, INC.

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Tustin, CA 92780

(714) 832-0064 Fax (714) 832-0067

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Phoenix, AZ 85040

(480) 736-0960 Fax (480) 736-0970

Lab Job No: 28077
Page 1 of 2

REQUIRED TURN AROUND TIME: Standard: X

72 Hours: _____ 48 Hours: _____ 24 Hours: _____

CUSTOMER INFORMATION			PROJECT INFORMATION					ANALYSIS REQUEST / PRESERVATIVE										REMARKS/PRECAUTIONS
COMPANY:	SEND REPORT TO:		PROJECT NAME:	NUMBER:	ADDRESS:	P.O. #:	SAMPLED BY:											
Greotek USA	Anna Scott		Vernola Trust	2903-CR	Vernola Ranch North													
ascott@geotekusa.com			Jurupa Valley															
PHONE:	FAX:																	
SAMPLE ID	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE													
S-1 @ 6"	1	8/18	AM	SOIL	Plastic	/	/	/										
S-2 @ 6"						/	/	/										
S-3 @ 6"						/	/	/										
S-4 @ 6"						/	/	/										
S-5 @ 6"						/	/	/										
S-6 @ 6"						/	/	/										
S-7 @ 6"						/	/	/										
S-8 @ 6"						/	/	/										
S-9 @ 6"						/	/	/										
S-10 @ 6"						/	/	/										
S-11 @ 6"						/	/	/										
S-11 @ 1'																	HOLD	
S-12 @ 6"						/	/	/										
S-12 @ 1'																	HOLD	
Total No. of Samples: 23		Method of Shipment: Hand Delivered			Preservative: 1 = Ice 2 = HCl 3 = HNO ₃ 4 = H ₂ SO ₄ 5 = NaOH 6 = Other													
Relinquished By: <u>[Signature]</u>		Date/Time: 8/18/23 11:59		Received By:		Date/Time:		Sample Matrix:										
								DW - Drinking Water GW - Groundwater WW - Wastewater SW - Stormwater										
Relinquished By:		Date/Time:		Received By:		Date/Time:		SS - Soil/Solid OT - Other										
Relinquished By:		Date/Time:		Received For Lab By: <u>[Signature]</u>		Date/Time: 11:59 8/18/23		Sample Integrity: <u>IRH3</u> Intact: <u>✓</u> On Ice: <u>Yes</u> @ <u>1</u> °C										

By signing above, client acknowledges responsibility for payment of all services requested on this chain of custody form and any additional services provided in support of this project. Payment is due within

4620 E. Elwood, Suite 4
Phoenix, AZ 85040
(480) 736-0960 Fax (480) 736-0970

REQUIRED TURN AROUND TIME: Standard: X
72 Hours: _____ 48 Hours: _____ 24 Hours: _____

By signing above, client acknowledges responsibility for payment of all services requested on this chain of custody form and any additional services provided in support of this project. Payment is due within 30 days of invoice date unless otherwise agreed upon, in writing, with Orange Coast Analytical, Inc. All samples remain the property of the client. A disposal fee may be imposed if client fails to pickup sample.

Sample Receipt Report

Laboratory Reference GTK 28077

Logged in by RO

Received: 08/18/23 11:59

Company Name: GeoTek, Inc.

Method of Shipment: Hand Delivered

Project Manager: Ms. Anna Scott

Shipping Container: Cooler

Project Name: Vernola Trust

Shipping Containers: 1

Project #: 2903-CR

Sample Quantity

23 Soil

Chain of Custody

Complete ☒

Incomplete ☐

None ☐

Samples On Ice

Yes, Wet ☒

Yes, Blue ☐

No ☐

Observed Temp. (°C): 1

Thermometer ID: IR#3

Adjusted Temp.: 1+(-0)=1

Shipping Intact

Yes ☒

N/A ☐

No ☐

Shipping Custody Seals Intact

Yes ☐

N/A ☒

No ☐

Samples Intact

Yes ☒

No ☐

Sample Custody Seals Intact

Yes ☐

N/A ☒

No ☐

Custody Seals Signed & Dated

Yes ☐

N/A ☒

No ☐

Proper Test Containers

Yes ☐

No ☒

Proper Test Preservations

Yes ☒

No ☐

Samples Within Hold Times

Yes ☒

No ☐

VOAs Have Zero Headspace

Yes ☐

N/A ☒

No ☐

Sample Labels

Complete ☒

Incomplete ☐

None ☐

Sample Information Matches COC

Yes ☒

N/A ☐

No ☐

Notes

Client Notified

By

On

ANALYTICAL REPORT

PREPARED FOR

Attn: Mark Noorani
Orange Coast Analytical Inc
3002 Dow Ave,
Suite 532
Tustin, California 92780

Generated 9/5/2023 3:29:02 PM

JOB DESCRIPTION

28077

JOB NUMBER

570-149330-1

Eurofins Calscience

Job Notes

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

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

Authorization



Authorized for release by
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Definitions/Glossary

Client: Orange Coast Analytical Inc
Project/Site: 28077

Job ID: 570-149330-1

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.

Glossary

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

Case Narrative

Client: Orange Coast Analytical Inc
Project/Site: 28077

Job ID: 570-149330-1

Job ID: 570-149330-1

Laboratory: Eurofins Calscience

Narrative

Job Narrative 570-149330-1

Comments

No additional comments.

Receipt

The samples were received on 8/18/2023 4:17 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.7° C.

GC Semi VOA

Methods 8141A, 8141B: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for preparation batch 570-357057 and analytical batch 570-357852 recovered outside control limits for the following analytes: Naled. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

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

Organic Prep

Method 3546: The laboratory control sample (LCS) was performed in duplicate (LCSD) to provide precision data for this batch.

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

Detection Summary

Client: Orange Coast Analytical Inc
Project/Site: 28077

Job ID: 570-149330-1

Client Sample ID: S-15

Lab Sample ID: 570-149330-1

☐ No Detections.

Client Sample ID: S-16

Lab Sample ID: 570-149330-2

☐ No Detections.

Client Sample ID: S-17

Lab Sample ID: 570-149330-3

☐ No Detections.

Client Sample ID: S-18

Lab Sample ID: 570-149330-4

☐ No Detections.

Client Sample ID: S-19

Lab Sample ID: 570-149330-5

☐ No Detections.

This Detection Summary does not include radiochemical test results.

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Client Sample Results

Client: Orange Coast Analytical Inc
Project/Site: 28077

Job ID: 570-149330-1

Method: SW846 8141A - Organophosphorous Pesticides (GC)

Client Sample ID: S-15
Date Collected: 08/18/23 00:00
Date Received: 08/18/23 16:17

Lab Sample ID: 570-149330-1
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Atrazine	ND		0.48	mg/Kg		08/22/23 12:51	08/24/23 19:50	1
Azinphos-methyl	ND		0.48	mg/Kg		08/22/23 12:51	08/24/23 19:50	1
Bolstar	ND		0.48	mg/Kg		08/22/23 12:51	08/24/23 19:50	1
Chlorpyrifos	ND		0.48	mg/Kg		08/22/23 12:51	08/24/23 19:50	1
Coumaphos	ND		0.48	mg/Kg		08/22/23 12:51	08/24/23 19:50	1
Demeton-o/s	ND		0.96	mg/Kg		08/22/23 12:51	08/24/23 19:50	1
Diazinon	ND		0.48	mg/Kg		08/22/23 12:51	08/24/23 19:50	1
Dichlorvos	ND		0.48	mg/Kg		08/22/23 12:51	08/24/23 19:50	1
Dimethoate	ND		0.48	mg/Kg		08/22/23 12:51	08/24/23 19:50	1
Disulfoton	ND		0.48	mg/Kg		08/22/23 12:51	08/24/23 19:50	1
Ethion	ND		0.48	mg/Kg		08/22/23 12:51	08/24/23 19:50	1
Ethoprop	ND		0.48	mg/Kg		08/22/23 12:51	08/24/23 19:50	1
Famphur	ND		0.48	mg/Kg		08/22/23 12:51	08/24/23 19:50	1
Fensulfothion	ND		0.48	mg/Kg		08/22/23 12:51	08/24/23 19:50	1
Fenthion	ND		0.48	mg/Kg		08/22/23 12:51	08/24/23 19:50	1
Malathion	ND		0.48	mg/Kg		08/22/23 12:51	08/24/23 19:50	1
Merphos	ND		0.48	mg/Kg		08/22/23 12:51	08/24/23 19:50	1
Methyl parathion	ND		0.48	mg/Kg		08/22/23 12:51	08/24/23 19:50	1
Mevinphos	ND		0.48	mg/Kg		08/22/23 12:51	08/24/23 19:50	1
Naled	ND	+	3.8	mg/Kg		08/22/23 12:51	08/24/23 19:50	1
Parathion	ND		0.48	mg/Kg		08/22/23 12:51	08/24/23 19:50	1
Phorate	ND		0.48	mg/Kg		08/22/23 12:51	08/24/23 19:50	1
Ronnel	ND		0.48	mg/Kg		08/22/23 12:51	08/24/23 19:50	1
Simazine	ND		0.48	mg/Kg		08/22/23 12:51	08/24/23 19:50	1
Stirophos	ND		1.9	mg/Kg		08/22/23 12:51	08/24/23 19:50	1
Thionazin	ND		0.48	mg/Kg		08/22/23 12:51	08/24/23 19:50	1
Tokuthion	ND		0.48	mg/Kg		08/22/23 12:51	08/24/23 19:50	1
Trichloronate	ND		0.48	mg/Kg		08/22/23 12:51	08/24/23 19:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tributylphosphate	48	p	20 - 158	08/22/23 12:51	08/24/23 19:50	1

Client Sample ID: S-16
Date Collected: 08/18/23 00:00
Date Received: 08/18/23 16:17

Lab Sample ID: 570-149330-2
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Atrazine	ND		0.48	mg/Kg		08/22/23 12:51	08/24/23 20:38	1
Azinphos-methyl	ND		0.48	mg/Kg		08/22/23 12:51	08/24/23 20:38	1
Bolstar	ND		0.48	mg/Kg		08/22/23 12:51	08/24/23 20:38	1
Chlorpyrifos	ND		0.48	mg/Kg		08/22/23 12:51	08/24/23 20:38	1
Coumaphos	ND		0.48	mg/Kg		08/22/23 12:51	08/24/23 20:38	1
Demeton-o/s	ND		0.96	mg/Kg		08/22/23 12:51	08/24/23 20:38	1
Diazinon	ND		0.48	mg/Kg		08/22/23 12:51	08/24/23 20:38	1
Dichlorvos	ND		0.48	mg/Kg		08/22/23 12:51	08/24/23 20:38	1
Dimethoate	ND		0.48	mg/Kg		08/22/23 12:51	08/24/23 20:38	1
Disulfoton	ND		0.48	mg/Kg		08/22/23 12:51	08/24/23 20:38	1
Ethion	ND		0.48	mg/Kg		08/22/23 12:51	08/24/23 20:38	1
Ethoprop	ND		0.48	mg/Kg		08/22/23 12:51	08/24/23 20:38	1
Famphur	ND		0.48	mg/Kg		08/22/23 12:51	08/24/23 20:38	1
Fensulfothion	ND		0.48	mg/Kg		08/22/23 12:51	08/24/23 20:38	1

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Client Sample Results

Client: Orange Coast Analytical Inc
Project/Site: 28077

Job ID: 570-149330-1

Method: SW846 8141A - Organophosphorous Pesticides (GC) (Continued)

Client Sample ID: S-16
Date Collected: 08/18/23 00:00
Date Received: 08/18/23 16:17

Lab Sample ID: 570-149330-2
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Fenthion	ND		0.48	mg/Kg		08/22/23 12:51	08/24/23 20:38	1
Malathion	ND		0.48	mg/Kg		08/22/23 12:51	08/24/23 20:38	1
Merphos	ND		0.48	mg/Kg		08/22/23 12:51	08/24/23 20:38	1
Methyl parathion	ND		0.48	mg/Kg		08/22/23 12:51	08/24/23 20:38	1
Mevinphos	ND		0.48	mg/Kg		08/22/23 12:51	08/24/23 20:38	1
Naled	ND	+	3.8	mg/Kg		08/22/23 12:51	08/24/23 20:38	1
Parathion	ND		0.48	mg/Kg		08/22/23 12:51	08/24/23 20:38	1
Phorate	ND		0.48	mg/Kg		08/22/23 12:51	08/24/23 20:38	1
Ronnel	ND		0.48	mg/Kg		08/22/23 12:51	08/24/23 20:38	1
Simazine	ND		0.48	mg/Kg		08/22/23 12:51	08/24/23 20:38	1
Stirophos	ND		1.9	mg/Kg		08/22/23 12:51	08/24/23 20:38	1
Thionazin	ND		0.48	mg/Kg		08/22/23 12:51	08/24/23 20:38	1
Tokuthion	ND		0.48	mg/Kg		08/22/23 12:51	08/24/23 20:38	1
Trichloronate	ND		0.48	mg/Kg		08/22/23 12:51	08/24/23 20:38	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Tributylphosphate	42	p	20 - 158			08/22/23 12:51	08/24/23 20:38	1

Client Sample ID: S-17
Date Collected: 08/18/23 00:00
Date Received: 08/18/23 16:17

Lab Sample ID: 570-149330-3
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Atrazine	ND		0.48	mg/Kg		08/22/23 12:51	08/24/23 21:26	1
Azinphos-methyl	ND		0.48	mg/Kg		08/22/23 12:51	08/24/23 21:26	1
Bolstar	ND		0.48	mg/Kg		08/22/23 12:51	08/24/23 21:26	1
Chlorpyrifos	ND		0.48	mg/Kg		08/22/23 12:51	08/24/23 21:26	1
Coumaphos	ND		0.48	mg/Kg		08/22/23 12:51	08/24/23 21:26	1
Demeton-o/s	ND		0.97	mg/Kg		08/22/23 12:51	08/24/23 21:26	1
Diazinon	ND		0.48	mg/Kg		08/22/23 12:51	08/24/23 21:26	1
Dichlorvos	ND		0.48	mg/Kg		08/22/23 12:51	08/24/23 21:26	1
Dimethoate	ND		0.48	mg/Kg		08/22/23 12:51	08/24/23 21:26	1
Disulfoton	ND		0.48	mg/Kg		08/22/23 12:51	08/24/23 21:26	1
Ethion	ND		0.48	mg/Kg		08/22/23 12:51	08/24/23 21:26	1
Ethoprop	ND		0.48	mg/Kg		08/22/23 12:51	08/24/23 21:26	1
Famphur	ND		0.48	mg/Kg		08/22/23 12:51	08/24/23 21:26	1
Fensulfothion	ND		0.48	mg/Kg		08/22/23 12:51	08/24/23 21:26	1
Fenthion	ND		0.48	mg/Kg		08/22/23 12:51	08/24/23 21:26	1
Malathion	ND		0.48	mg/Kg		08/22/23 12:51	08/24/23 21:26	1
Merphos	ND		0.48	mg/Kg		08/22/23 12:51	08/24/23 21:26	1
Methyl parathion	ND		0.48	mg/Kg		08/22/23 12:51	08/24/23 21:26	1
Mevinphos	ND		0.48	mg/Kg		08/22/23 12:51	08/24/23 21:26	1
Naled	ND	+	3.9	mg/Kg		08/22/23 12:51	08/24/23 21:26	1
Parathion	ND		0.48	mg/Kg		08/22/23 12:51	08/24/23 21:26	1
Phorate	ND		0.48	mg/Kg		08/22/23 12:51	08/24/23 21:26	1
Ronnel	ND		0.48	mg/Kg		08/22/23 12:51	08/24/23 21:26	1
Simazine	ND		0.48	mg/Kg		08/22/23 12:51	08/24/23 21:26	1
Stirophos	ND		1.9	mg/Kg		08/22/23 12:51	08/24/23 21:26	1
Thionazin	ND		0.48	mg/Kg		08/22/23 12:51	08/24/23 21:26	1
Tokuthion	ND		0.48	mg/Kg		08/22/23 12:51	08/24/23 21:26	1
Trichloronate	ND		0.48	mg/Kg		08/22/23 12:51	08/24/23 21:26	1

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Client Sample Results

Client: Orange Coast Analytical Inc
Project/Site: 28077

Job ID: 570-149330-1

Method: SW846 8141A - Organophosphorous Pesticides (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Tributylphosphate	46	p	20 - 158			08/22/23 12:51	08/24/23 21:26	1

Client Sample ID: S-18

Lab Sample ID: 570-149330-4

Date Collected: 08/18/23 00:00

Matrix: Solid

Date Received: 08/18/23 16:17

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Atrazine	ND		0.47	mg/Kg		08/22/23 12:51	08/25/23 00:37	1
Azinphos-methyl	ND		0.47	mg/Kg		08/22/23 12:51	08/25/23 00:37	1
Bolstar	ND		0.47	mg/Kg		08/22/23 12:51	08/25/23 00:37	1
Chlorpyrifos	ND		0.47	mg/Kg		08/22/23 12:51	08/25/23 00:37	1
Coumaphos	ND		0.47	mg/Kg		08/22/23 12:51	08/25/23 00:37	1
Demeton-o/s	ND		0.94	mg/Kg		08/22/23 12:51	08/25/23 00:37	1
Diazinon	ND		0.47	mg/Kg		08/22/23 12:51	08/25/23 00:37	1
Dichlorvos	ND		0.47	mg/Kg		08/22/23 12:51	08/25/23 00:37	1
Dimethoate	ND		0.47	mg/Kg		08/22/23 12:51	08/25/23 00:37	1
Disulfoton	ND		0.47	mg/Kg		08/22/23 12:51	08/25/23 00:37	1
Ethion	ND		0.47	mg/Kg		08/22/23 12:51	08/25/23 00:37	1
Ethoprop	ND		0.47	mg/Kg		08/22/23 12:51	08/25/23 00:37	1
Famphur	ND		0.47	mg/Kg		08/22/23 12:51	08/25/23 00:37	1
Fensulfothion	ND		0.47	mg/Kg		08/22/23 12:51	08/25/23 00:37	1
Fenthion	ND		0.47	mg/Kg		08/22/23 12:51	08/25/23 00:37	1
Malathion	ND		0.47	mg/Kg		08/22/23 12:51	08/25/23 00:37	1
Merphos	ND		0.47	mg/Kg		08/22/23 12:51	08/25/23 00:37	1
Methyl parathion	ND		0.47	mg/Kg		08/22/23 12:51	08/25/23 00:37	1
Mevinphos	ND		0.47	mg/Kg		08/22/23 12:51	08/25/23 00:37	1
Naled	ND	*+	3.7	mg/Kg		08/22/23 12:51	08/25/23 00:37	1
Parathion	ND		0.47	mg/Kg		08/22/23 12:51	08/25/23 00:37	1
Phorate	ND		0.47	mg/Kg		08/22/23 12:51	08/25/23 00:37	1
Ronnel	ND		0.47	mg/Kg		08/22/23 12:51	08/25/23 00:37	1
Simazine	ND		0.47	mg/Kg		08/22/23 12:51	08/25/23 00:37	1
Stirophos	ND		1.9	mg/Kg		08/22/23 12:51	08/25/23 00:37	1
Thionazin	ND		0.47	mg/Kg		08/22/23 12:51	08/25/23 00:37	1
Tokuthion	ND		0.47	mg/Kg		08/22/23 12:51	08/25/23 00:37	1
Trichloronate	ND		0.47	mg/Kg		08/22/23 12:51	08/25/23 00:37	1

Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Tributylphosphate	34	p	20 - 158			08/22/23 12:51	08/25/23 00:37	1

Client Sample ID: S-19

Date Collected: 08/18/23 00:00

Date Received: 08/18/23 16:17

Lab Sample ID: 570-149330-5

Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Atrazine	ND		0.49	mg/Kg		08/22/23 12:51	08/25/23 01:25	1
Azinphos-methyl	ND		0.49	mg/Kg		08/22/23 12:51	08/25/23 01:25	1
Bolstar	ND		0.49	mg/Kg		08/22/23 12:51	08/25/23 01:25	1
Chlorpyrifos	ND		0.49	mg/Kg		08/22/23 12:51	08/25/23 01:25	1
Coumaphos	ND		0.49	mg/Kg		08/22/23 12:51	08/25/23 01:25	1
Demeton-o/s	ND		0.97	mg/Kg		08/22/23 12:51	08/25/23 01:25	1
Diazinon	ND		0.49	mg/Kg		08/22/23 12:51	08/25/23 01:25	1
Dichlorvos	ND		0.49	mg/Kg		08/22/23 12:51	08/25/23 01:25	1
Dimethoate	ND		0.49	mg/Kg		08/22/23 12:51	08/25/23 01:25	1
Disulfoton	ND		0.49	mg/Kg		08/22/23 12:51	08/25/23 01:25	1
Ethion	ND		0.49	mg/Kg		08/22/23 12:51	08/25/23 01:25	1

Eurofins Calscience

Client Sample Results

Client: Orange Coast Analytical Inc
Project/Site: 28077

Job ID: 570-149330-1

Method: SW846 8141A - Organophosphorous Pesticides (GC) (Continued)

Client Sample ID: S-19
Date Collected: 08/18/23 00:00
Date Received: 08/18/23 16:17

Lab Sample ID: 570-149330-5
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Ethoprop	ND		0.49	mg/Kg		08/22/23 12:51	08/25/23 01:25	1
Famphur	ND		0.49	mg/Kg		08/22/23 12:51	08/25/23 01:25	1
Fensulfothion	ND		0.49	mg/Kg		08/22/23 12:51	08/25/23 01:25	1
Fenthion	ND		0.49	mg/Kg		08/22/23 12:51	08/25/23 01:25	1
Malathion	ND		0.49	mg/Kg		08/22/23 12:51	08/25/23 01:25	1
Merphos	ND		0.49	mg/Kg		08/22/23 12:51	08/25/23 01:25	1
Methyl parathion	ND		0.49	mg/Kg		08/22/23 12:51	08/25/23 01:25	1
Mevinphos	ND		0.49	mg/Kg		08/22/23 12:51	08/25/23 01:25	1
Naled	ND	*+	3.9	mg/Kg		08/22/23 12:51	08/25/23 01:25	1
Parathion	ND		0.49	mg/Kg		08/22/23 12:51	08/25/23 01:25	1
Phorate	ND		0.49	mg/Kg		08/22/23 12:51	08/25/23 01:25	1
Ronnel	ND		0.49	mg/Kg		08/22/23 12:51	08/25/23 01:25	1
Simazine	ND		0.49	mg/Kg		08/22/23 12:51	08/25/23 01:25	1
Stirophos	ND		1.9	mg/Kg		08/22/23 12:51	08/25/23 01:25	1
Thionazin	ND		0.49	mg/Kg		08/22/23 12:51	08/25/23 01:25	1
Tokuthion	ND		0.49	mg/Kg		08/22/23 12:51	08/25/23 01:25	1
Trichloronate	ND		0.49	mg/Kg		08/22/23 12:51	08/25/23 01:25	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Tributylphosphate	48	p	20 - 158			08/22/23 12:51	08/25/23 01:25	1

Surrogate Summary

Client: Orange Coast Analytical Inc
Project/Site: 28077

Job ID: 570-149330-1

Method: 8141A - Organophosphorous Pesticides (GC)

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	TBPH1 (20-158)
570-149330-1	S-15	48 p
570-149330-2	S-16	42 p
570-149330-3	S-17	46 p
570-149330-4	S-18	34 p
570-149330-5	S-19	48 p
LCS 570-357057/2-A	Lab Control Sample	34 p
LCSD 570-357057/3-A	Lab Control Sample Dup	37 p
MB 570-357057/1-A	Method Blank	31 p

Surrogate Legend

TBPH = Tributylphosphate

QC Sample Results

Client: Orange Coast Analytical Inc
Project/Site: 28077

Job ID: 570-149330-1

Method: 8141A - Organophosphorous Pesticides (GC)

Lab Sample ID: MB 570-357057/1-A

Matrix: Solid

Analysis Batch: 357852

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 357057

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Atrazine	ND		0.50	mg/Kg		08/22/23 12:51	08/24/23 19:02	1
Azinphos-methyl	ND		0.50	mg/Kg		08/22/23 12:51	08/24/23 19:02	1
Bolstar	ND		0.50	mg/Kg		08/22/23 12:51	08/24/23 19:02	1
Chlorpyrifos	ND		0.50	mg/Kg		08/22/23 12:51	08/24/23 19:02	1
Coumaphos	ND		0.50	mg/Kg		08/22/23 12:51	08/24/23 19:02	1
Demeton-o/s	ND		1.0	mg/Kg		08/22/23 12:51	08/24/23 19:02	1
Diazinon	ND		0.50	mg/Kg		08/22/23 12:51	08/24/23 19:02	1
Dichlorvos	ND		0.50	mg/Kg		08/22/23 12:51	08/24/23 19:02	1
Dimethoate	ND		0.50	mg/Kg		08/22/23 12:51	08/24/23 19:02	1
Disulfoton	ND		0.50	mg/Kg		08/22/23 12:51	08/24/23 19:02	1
Ethion	ND		0.50	mg/Kg		08/22/23 12:51	08/24/23 19:02	1
Ethoprop	ND		0.50	mg/Kg		08/22/23 12:51	08/24/23 19:02	1
Famphur	ND		0.50	mg/Kg		08/22/23 12:51	08/24/23 19:02	1
Fensulfothion	ND		0.50	mg/Kg		08/22/23 12:51	08/24/23 19:02	1
Fenthion	ND		0.50	mg/Kg		08/22/23 12:51	08/24/23 19:02	1
Malathion	ND		0.50	mg/Kg		08/22/23 12:51	08/24/23 19:02	1
Merphos	ND		0.50	mg/Kg		08/22/23 12:51	08/24/23 19:02	1
Methyl parathion	ND		0.50	mg/Kg		08/22/23 12:51	08/24/23 19:02	1
Mevinphos	ND		0.50	mg/Kg		08/22/23 12:51	08/24/23 19:02	1
Naled	ND		4.0	mg/Kg		08/22/23 12:51	08/24/23 19:02	1
Parathion	ND		0.50	mg/Kg		08/22/23 12:51	08/24/23 19:02	1
Phorate	ND		0.50	mg/Kg		08/22/23 12:51	08/24/23 19:02	1
Ronnel	ND		0.50	mg/Kg		08/22/23 12:51	08/24/23 19:02	1
Simazine	ND		0.50	mg/Kg		08/22/23 12:51	08/24/23 19:02	1
Stirophos	ND		2.0	mg/Kg		08/22/23 12:51	08/24/23 19:02	1
Thionazin	ND		0.50	mg/Kg		08/22/23 12:51	08/24/23 19:02	1
Tokuthion	ND		0.50	mg/Kg		08/22/23 12:51	08/24/23 19:02	1
Trichloronate	ND		0.50	mg/Kg		08/22/23 12:51	08/24/23 19:02	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tributylphosphate	31	p	20 - 158	08/22/23 12:51	08/24/23 19:02	1

Lab Sample ID: LCS 570-357057/2-A

Matrix: Solid

Analysis Batch: 357852

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 357057

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Azinphos-methyl	2.00	2.706	p	mg/Kg		135	59 - 156
Bolstar	2.00	1.922		mg/Kg		96	45 - 145
Chlorpyrifos	2.00	1.524		mg/Kg		76	42 - 139
Coumaphos	2.00	2.037	p	mg/Kg		102	64 - 149
Diazinon	2.00	1.002		mg/Kg		50	36 - 149
Disulfoton	2.00	1.501	p	mg/Kg		75	45 - 132
Ethoprop	2.00	1.504		mg/Kg		75	41 - 138
Fensulfothion	2.00	1.845		mg/Kg		92	53 - 151
Fenthion	2.00	1.449	p	mg/Kg		72	49 - 150
Merphos	2.00	1.886	p	mg/Kg		94	20 - 180
Methyl parathion	2.00	2.433		mg/Kg		122	48 - 149

Eurofins Calscience

QC Sample Results

Client: Orange Coast Analytical Inc
Project/Site: 28077

Job ID: 570-149330-1

Method: 8141A - Organophosphorous Pesticides (GC) (Continued)

Lab Sample ID: LCS 570-357057/2-A

Matrix: Solid

Analysis Batch: 357852

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 357057

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Phorate	2.00	1.428		mg/Kg		71	42 - 137
Ronnel	2.00	1.400		mg/Kg		70	45 - 141
Stirophos	2.00	2.477	p	mg/Kg		124	43 - 166
Tokuthion	2.00	1.287	p	mg/Kg		64	50 - 131
Trichloronate	2.00	1.613		mg/Kg		81	45 - 138

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tributylphosphate	34	p	20 - 158

Lab Sample ID: LCSD 570-357057/3-A

Matrix: Solid

Analysis Batch: 357852

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 357057

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Azinphos-methyl	2.00	2.608	p	mg/Kg		130	59 - 156	4	27
Bolstar	2.00	1.926		mg/Kg		96	45 - 145	0	24
Chlorpyrifos	2.00	1.507		mg/Kg		75	42 - 139	1	28
Coumaphos	2.00	2.597		mg/Kg		130	64 - 149	24	26
Diazinon	2.00	1.227		mg/Kg		61	36 - 149	20	28
Disulfoton	2.00	1.583	p	mg/Kg		79	45 - 132	5	27
Ethoprop	2.00	1.487		mg/Kg		74	41 - 138	1	26
Fensulfothion	2.00	1.789		mg/Kg		89	53 - 151	3	23
Fenthion	2.00	1.371	p	mg/Kg		69	49 - 150	5	30
Merphos	2.00	1.631	p	mg/Kg		82	20 - 180	15	30
Methyl parathion	2.00	2.341		mg/Kg		117	48 - 149	4	30
Phorate	2.00	1.773		mg/Kg		89	42 - 137	22	29
Ronnel	2.00	1.255	p	mg/Kg		63	45 - 141	11	30
Stirophos	2.00	2.370	p	mg/Kg		118	43 - 166	4	25
Tokuthion	2.00	1.306	p	mg/Kg		65	50 - 131	1	20
Trichloronate	2.00	1.507		mg/Kg		75	45 - 138	7	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Tributylphosphate	37	p	20 - 158

QC Association Summary

Client: Orange Coast Analytical Inc
Project/Site: 28077

Job ID: 570-149330-1

GC Semi VOA

Prep Batch: 357057

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-149330-1	S-15	Total/NA	Solid	3546	
570-149330-2	S-16	Total/NA	Solid	3546	
570-149330-3	S-17	Total/NA	Solid	3546	
570-149330-4	S-18	Total/NA	Solid	3546	
570-149330-5	S-19	Total/NA	Solid	3546	
MB 570-357057/1-A	Method Blank	Total/NA	Solid	3546	
LCS 570-357057/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 570-357057/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	

Analysis Batch: 357852

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-149330-1	S-15	Total/NA	Solid	8141A	357057
570-149330-2	S-16	Total/NA	Solid	8141A	357057
570-149330-3	S-17	Total/NA	Solid	8141A	357057
570-149330-4	S-18	Total/NA	Solid	8141A	357057
570-149330-5	S-19	Total/NA	Solid	8141A	357057
MB 570-357057/1-A	Method Blank	Total/NA	Solid	8141A	357057
LCS 570-357057/2-A	Lab Control Sample	Total/NA	Solid	8141A	357057
LCSD 570-357057/3-A	Lab Control Sample Dup	Total/NA	Solid	8141A	357057

Lab Chronicle

Client: Orange Coast Analytical Inc
Project/Site: 28077

Job ID: 570-149330-1

Client Sample ID: S-15

Date Collected: 08/18/23 00:00

Date Received: 08/18/23 16:17

Lab Sample ID: 570-149330-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			10.45 g	10 mL	357057	08/22/23 12:51	E5RH	EET CAL 4
Total/NA	Analysis	8141A		1	1 mL	1 mL	357852	08/24/23 19:50	UJ3K	EET CAL 4
Instrument ID: GC68										

Client Sample ID: S-16

Date Collected: 08/18/23 00:00

Date Received: 08/18/23 16:17

Lab Sample ID: 570-149330-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			10.39 g	10 mL	357057	08/22/23 12:51	E5RH	EET CAL 4
Total/NA	Analysis	8141A		1	1 mL	1 mL	357852	08/24/23 20:38	UJ3K	EET CAL 4
Instrument ID: GC68										

Client Sample ID: S-17

Date Collected: 08/18/23 00:00

Date Received: 08/18/23 16:17

Lab Sample ID: 570-149330-3

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			10.33 g	10 mL	357057	08/22/23 12:51	E5RH	EET CAL 4
Total/NA	Analysis	8141A		1	1 mL	1 mL	357852	08/24/23 21:26	UJ3K	EET CAL 4
Instrument ID: GC68										

Client Sample ID: S-18

Date Collected: 08/18/23 00:00

Date Received: 08/18/23 16:17

Lab Sample ID: 570-149330-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			10.69 g	10 mL	357057	08/22/23 12:51	E5RH	EET CAL 4
Total/NA	Analysis	8141A		1	1 mL	1 mL	357852	08/25/23 00:37	UJ3K	EET CAL 4
Instrument ID: GC68										

Client Sample ID: S-19

Date Collected: 08/18/23 00:00

Date Received: 08/18/23 16:17

Lab Sample ID: 570-149330-5

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			10.28 g	10 mL	357057	08/22/23 12:51	E5RH	EET CAL 4
Total/NA	Analysis	8141A		1	1 mL	1 mL	357852	08/25/23 01:25	UJ3K	EET CAL 4
Instrument ID: GC68										

Laboratory References:

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

Accreditation/Certification Summary

Client: Orange Coast Analytical Inc
Project/Site: 28077

Job ID: 570-149330-1

Laboratory: Eurofins Calscience

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
California	State	3082	07-31-24

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8141A	3546	Solid	Atrazine
8141A	3546	Solid	Bolstar
8141A	3546	Solid	Coumaphos
8141A	3546	Solid	Demeton-o/s
8141A	3546	Solid	Dimethoate
8141A	3546	Solid	Ethion
8141A	3546	Solid	Ethoprop
8141A	3546	Solid	Famphur
8141A	3546	Solid	Fensulfothion
8141A	3546	Solid	Fenthion
8141A	3546	Solid	Merphos
8141A	3546	Solid	Mevinphos
8141A	3546	Solid	Naled
8141A	3546	Solid	Simazine
8141A	3546	Solid	Thionazin
8141A	3546	Solid	Tokuthion
8141A	3546	Solid	Trichloronate

Method Summary

Client: Orange Coast Analytical Inc
Project/Site: 28077

Job ID: 570-149330-1

Method	Method Description	Protocol	Laboratory
8141A	Organophosphorous Pesticides (GC)	SW846	EET CAL 4
3546	Microwave Extraction	SW846	EET CAL 4

Protocol References:

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

Laboratory References:

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

Sample Summary

Client: Orange Coast Analytical Inc
Project/Site: 28077

Job ID: 570-149330-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
570-149330-1	S-15	Solid	08/18/23 00:00	08/18/23 16:17
570-149330-2	S-16	Solid	08/18/23 00:00	08/18/23 16:17
570-149330-3	S-17	Solid	08/18/23 00:00	08/18/23 16:17
570-149330-4	S-18	Solid	08/18/23 00:00	08/18/23 16:17
570-149330-5	S-19	Solid	08/18/23 00:00	08/18/23 16:17

Login Sample Receipt Checklist

Client: Orange Coast Analytical Inc

Job Number: 570-149330-1

Login Number: 149330

List Number: 1

Creator: Yu, Tiffany

List Source: Eurofins Calscience

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



Orange Coast Analytical, Inc.

3002 Dow, Suite 532, Tustin, CA 92780 (714) 832-0064 Fax (714) 832-0067
4620 E. Elwood, Suite 4, Phoenix, AZ 85040 (480) 736-0960 Fax (480) 736-0970

LABORATORY REPORT FORM

ORANGE COAST ANALYTICAL, INC.

3002 Dow Suite 532 Tustin, CA 92780

(714) 832-0064

Laboratory Certification (ELAP) No.:2576

Expiration Date: 2025

Los Angeles County Sanitation District Lab ID# 10206

Laboratory Director's Name:

Mark Noorani

Client: GeoTek, Inc.

Laboratory Reference: GTK 28077A

Project Name: Vernola Trust

Project Number: 2903-CR

Date Received: 9/5/2023

Date Reported: 9/8/2023

Chain of Custody Received: ☒

Analytical Method: 8015B, 6010B, 7471A, 7470A, 1311/6010B,

Mark Noorani, Laboratory Director

Ms. Anna Scott
GeoTek, Inc.
1548 N. Maple St
Corona, CA, 92880

Lab Reference # GTK 28077A
Project Name: Vernola Trust
Project #: 2903-CR

Case Narrative

Sample Receipt:

All samples on the Chain of Custody were received by OCA at 1°C, on ice.

Holding Times:

All samples were analyzed within required holding times unless otherwise noted in the data qualifier section of the report.

Analytical Methods:

Sample analysis was performed following the analytical methods listed on the cover page.

Data Qualifiers:

Within this report, data qualifiers may have been assigned to clarify deviations in common laboratory procedures or any divergence from laboratory QA/QC criteria. If a data qualifier has been used, it will appear in the back of the report along with its description. All method QA/QC criteria have been met unless otherwise noted in the data qualifier section.

Definition of Terms:

The definitions of common terms and acronyms used in the report have been placed at the back of the report to assist data users.

Comments:

None

Ms. Anna Scott
GeoTek, Inc.
1548 N. Maple St
Corona, CA, 92880

Lab Reference # GTK 28077A
Project Name: Vernola Trust
Project #: 2903-CR

Client Sample Summary

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
S-2 @6"	28077-002	8/18/2023	8/18/2023	Soil
S-5 @6"	28077-005	8/18/2023	8/18/2023	Soil
S-6 @6"	28077-006	8/18/2023	8/18/2023	Soil
S-7 @6"	28077-007	8/18/2023	8/18/2023	Soil
S-8 @6"	28077-008	8/18/2023	8/18/2023	Soil
S-9 @6"	28077-009	8/18/2023	8/18/2023	Soil
S11-1'	28077-012	8/18/2023	8/18/2023	Soil
S-15	28077-019	8/18/2023	8/18/2023	Soil
S-16	28077-020	8/18/2023	8/18/2023	Soil
S-17	28077-021	8/18/2023	8/18/2023	Soil
S-18	28077-022	8/18/2023	8/18/2023	Soil
S-19	28077-023	8/18/2023	8/18/2023	Soil

Ms. Anna Scott
GeoTek, Inc.
1548 N. Maple St
Corona, CA, 92880

Lab Reference # GTK 28077A
Project Name: Vernola Trust
Project #: 2903-CR

Extractable Fuel Hydrocarbons (EPA 8015B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
S11-1'	28077-012	8/18/2023 11:59	8/18/2023	9/6/2023 16:31	9/6/2023 13:56	Soil

ANALYTE mg/kg

DROs 14

Surrogate: % RC*

Octacosane 133

Dilution Factor: 1

Data Qualifiers: H3,

* Acc Recovery: 33-186 %

S11-1'	28077-012	8/18/2023 11:59	8/18/2023	9/6/2023 16:31	9/6/2023 13:56	Soil
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ANALYTE mg/kg

MROs 110

Surrogate: % RC*

Octacosane 133

Dilution Factor: 1

Data Qualifiers: H3,

* Acc Recovery: 33-186 %

Method Blank	MBBL0905231			9/6/2023 16:31	9/6/2023 11:48	Soil
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ANALYTE mg/kg

DROs <10

Surrogate: % RC*

Octacosane 72

Dilution Factor: 1

Data Qualifiers: None

* Acc Recovery: 33-186 %

Method Blank	MBBL0905231			9/6/2023 16:31	9/6/2023 11:48	Soil
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ANALYTE mg/kg

MROs <50

Surrogate: % RC*

Octacosane 72

Dilution Factor: 1

Data Qualifiers: None

* Acc Recovery: 33-186 %

Ms. Anna Scott
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1548 N. Maple St
Corona, CA, 92880

Lab Reference # GTK 28077A
Project Name: Vernola Trust
Project #: 2903-CR

Gasoline Range Organics - GROs (EPA 8015B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
S11-1'	28077-012	8/18/2023 11:59	8/18/2023	9/7/2023 11:00	9/7/2023 13:21	Soil

<u>ANALYTE</u>	<u>mg/kg</u>	<u>Surrogate:</u>	<u>% RC*</u>
GROs ¹	<0.20	α - α - α -Trifluorotoluene	96
<u>Dilution Factor:</u> 1		* Acceptable Recovery: 33-132 %	
<u>Data Qualifiers:</u> H3,			

Method Blank	MBLY0907231		9/7/2023 11:00	9/7/2023 11:44	Soil
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<u>ANALYTE</u>	<u>mg/kg</u>	<u>Surrogate:</u>	<u>% RC*</u>
GROs ¹	<0.20	α - α - α -Trifluorotoluene	82
<u>Dilution Factor:</u> 1		* Acceptable Recovery: 33-132 %	
<u>Data Qualifiers:</u> None			

Gasoline Range Organics (GROs) are quantitated against a gasoline standard.

Ms. Anna Scott
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Lab Reference # GTK 28077A
 Project Name: Vernola Trust
 Project #: 2903-CR

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
S-15	28077-019	8/18/2023 11:59	8/18/2023	Soil

<u>ANALYTE</u>	<u>EPA Method</u>	<u>Result</u>	<u>Units</u>	<u>Date Extracted</u>	<u>Date Analyzed</u>	<u>Qual</u>	<u>DF</u>
Antimony	6010B	<2.0	mg/kg	09/07/23 16:30	09/08/23 11:51	--	1
Arsenic	6010B	3.1	mg/kg	09/07/23 16:30	09/08/23 11:51	--	1
Barium	6010B	80	mg/kg	09/07/23 16:30	09/08/23 11:51	--	1
Beryllium	6010B	<0.50	mg/kg	09/07/23 16:30	09/08/23 11:51	--	1
Cadmium	6010B	<0.50	mg/kg	09/07/23 16:30	09/08/23 11:51	--	1
Chromium	6010B	20	mg/kg	09/07/23 16:30	09/08/23 11:51	--	1
Cobalt	6010B	6.9	mg/kg	09/07/23 16:30	09/08/23 11:51	--	1
Copper	6010B	19	mg/kg	09/07/23 16:30	09/08/23 11:51	--	1
Lead	6010B	10	mg/kg	09/07/23 16:30	09/08/23 11:51	--	1
Mercury	7471A	<0.10	mg/kg	09/07/23 16:00	09/08/23 10:40	--	1
Molybdenum	6010B	<1.0	mg/kg	09/07/23 16:30	09/08/23 11:51	--	1
Nickel	6010B	11	mg/kg	09/07/23 16:30	09/08/23 11:51	--	1
Selenium	6010B	<4.8	mg/kg	09/07/23 16:30	09/08/23 11:51	--	1
Silver	6010B	<0.50	mg/kg	09/07/23 16:30	09/08/23 11:51	--	1
Thallium	6010B	<2.0	mg/kg	09/07/23 16:30	09/08/23 11:51	--	1
Vanadium	6010B	34	mg/kg	09/07/23 16:30	09/08/23 11:51	--	1
Zinc	6010B	68	mg/kg	09/07/23 16:30	09/08/23 11:51	--	1

Ms. Anna Scott
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Lab Reference # GTK 28077A
 Project Name: Vernola Trust
 Project #: 2903-CR

Metals

Client Sample ID	Lab Sample Number		Date Received		Date Sampled		Matrix		
S-16	28077-020		8/18/2023 11:59		8/18/2023		Soil		
<u>ANALYTE</u>	<u>EPA Method</u>	<u>Result</u>	<u>Units</u>	<u>Date Extracted</u>	<u>Date Analyzed</u>	<u>Qual</u>	<u>DF</u>		
Antimony	6010B	<2.0	mg/kg	09/07/23 16:30	09/08/23 11:54	--	1		
Arsenic	6010B	3.1	mg/kg	09/07/23 16:30	09/08/23 11:54	--	1		
Barium	6010B	70	mg/kg	09/07/23 16:30	09/08/23 11:54	--	1		
Beryllium	6010B	<0.50	mg/kg	09/07/23 16:30	09/08/23 11:54	--	1		
Cadmium	6010B	<0.50	mg/kg	09/07/23 16:30	09/08/23 11:54	--	1		
Chromium	6010B	22	mg/kg	09/07/23 16:30	09/08/23 11:54	--	1		
Cobalt	6010B	6.7	mg/kg	09/07/23 16:30	09/08/23 11:54	--	1		
Copper	6010B	17	mg/kg	09/07/23 16:30	09/08/23 11:54	--	1		
Lead	6010B	8.1	mg/kg	09/07/23 16:30	09/08/23 11:54	--	1		
Mercury	7471A	<0.10	mg/kg	09/07/23 16:00	09/08/23 10:46	--	1		
Molybdenum	6010B	<1.0	mg/kg	09/07/23 16:30	09/08/23 11:54	--	1		
Nickel	6010B	11	mg/kg	09/07/23 16:30	09/08/23 11:54	--	1		
Selenium	6010B	<4.8	mg/kg	09/07/23 16:30	09/08/23 11:54	--	1		
Silver	6010B	<0.50	mg/kg	09/07/23 16:30	09/08/23 11:54	--	1		
Thallium	6010B	<2.0	mg/kg	09/07/23 16:30	09/08/23 11:54	--	1		
Vanadium	6010B	36	mg/kg	09/07/23 16:30	09/08/23 11:54	--	1		
Zinc	6010B	63	mg/kg	09/07/23 16:30	09/08/23 11:54	--	1		

Ms. Anna Scott
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Lab Reference # GTK 28077A
 Project Name: Vernola Trust
 Project #: 2903-CR

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
S-17	28077-021	8/18/2023 11:59	8/18/2023	Soil

<u>ANALYTE</u>	<u>EPA Method</u>	<u>Result</u>	<u>Units</u>	<u>Date Extracted</u>	<u>Date Analyzed</u>	<u>Qual</u>	<u>DF</u>
Antimony	6010B	<2.0	mg/kg	09/07/23 16:30	09/08/23 11:57	--	1
Arsenic	6010B	3.5	mg/kg	09/07/23 16:30	09/08/23 11:57	--	1
Barium	6010B	95	mg/kg	09/07/23 16:30	09/08/23 11:57	--	1
Beryllium	6010B	<0.50	mg/kg	09/07/23 16:30	09/08/23 11:57	--	1
Cadmium	6010B	<0.50	mg/kg	09/07/23 16:30	09/08/23 11:57	--	1
Chromium	6010B	20	mg/kg	09/07/23 16:30	09/08/23 11:57	--	1
Cobalt	6010B	7.4	mg/kg	09/07/23 16:30	09/08/23 11:57	--	1
Copper	6010B	23	mg/kg	09/07/23 16:30	09/08/23 11:57	--	1
Lead	6010B	17	mg/kg	09/07/23 16:30	09/08/23 11:57	--	1
Mercury	7471A	<0.10	mg/kg	09/07/23 16:00	09/08/23 10:47	--	1
Molybdenum	6010B	<1.0	mg/kg	09/07/23 16:30	09/08/23 11:57	--	1
Nickel	6010B	12	mg/kg	09/07/23 16:30	09/08/23 11:57	--	1
Selenium	6010B	<4.8	mg/kg	09/07/23 16:30	09/08/23 11:57	--	1
Silver	6010B	<0.50	mg/kg	09/07/23 16:30	09/08/23 11:57	--	1
Thallium	6010B	<2.0	mg/kg	09/07/23 16:30	09/08/23 11:57	--	1
Vanadium	6010B	34	mg/kg	09/07/23 16:30	09/08/23 11:57	--	1
Zinc	6010B	130	mg/kg	09/07/23 16:30	09/08/23 11:57	--	1

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Lab Reference # GTK 28077A
Project Name: Vernola Trust
Project #: 2903-CR

Metals

Client Sample ID		Lab Sample Number	Date Received		Date Sampled		Matrix		
S-18		28077-022	8/18/2023	11:59	8/18/2023		Soil		
ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF		
Antimony	6010B	<2.0	mg/kg	09/07/23 16:30	09/08/23 12:07	--	1		
Arsenic	6010B	4.3	mg/kg	09/07/23 16:30	09/08/23 12:07	--	1		
Barium	6010B	94	mg/kg	09/07/23 16:30	09/08/23 12:07	--	1		
Beryllium	6010B	<0.50	mg/kg	09/07/23 16:30	09/08/23 12:07	--	1		
Cadmium	6010B	<0.50	mg/kg	09/07/23 16:30	09/08/23 12:07	--	1		
Chromium	6010B	23	mg/kg	09/07/23 16:30	09/08/23 12:07	--	1		
Cobalt	6010B	8.7	mg/kg	09/07/23 16:30	09/08/23 12:07	--	1		
Copper	6010B	20	mg/kg	09/07/23 16:30	09/08/23 12:07	--	1		
Lead	6010B	11	mg/kg	09/07/23 16:30	09/08/23 12:07	--	1		
Mercury	7471A	<0.10	mg/kg	09/07/23 16:00	09/08/23 10:49	--	1		
Molybdenum	6010B	<1.0	mg/kg	09/07/23 16:30	09/08/23 12:07	--	1		
Nickel	6010B	14	mg/kg	09/07/23 16:30	09/08/23 12:07	--	1		
Selenium	6010B	<4.8	mg/kg	09/07/23 16:30	09/08/23 12:07	--	1		
Silver	6010B	<0.50	mg/kg	09/07/23 16:30	09/08/23 12:07	--	1		
Thallium	6010B	<2.0	mg/kg	09/07/23 16:30	09/08/23 12:07	--	1		
Vanadium	6010B	37	mg/kg	09/07/23 16:30	09/08/23 12:07	--	1		
Zinc	6010B	77	mg/kg	09/07/23 16:30	09/08/23 12:07	--	1		

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Lab Reference # GTK 28077A
Project Name: Vernola Trust
Project #: 2903-CR

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
S-19	28077-023	8/18/2023 11:59	8/18/2023	Soil

<u>ANALYTE</u>	<u>EPA Method</u>	<u>Result</u>	<u>Units</u>	<u>Date Extracted</u>	<u>Date Analyzed</u>	<u>Qual</u>	<u>DF</u>
Antimony	6010B	<2.0	mg/kg	09/07/23 16:30	09/08/23 12:10	--	1
Arsenic	6010B	4.3	mg/kg	09/07/23 16:30	09/08/23 12:10	--	1
Barium	6010B	86	mg/kg	09/07/23 16:30	09/08/23 12:10	--	1
Beryllium	6010B	<0.50	mg/kg	09/07/23 16:30	09/08/23 12:10	--	1
Cadmium	6010B	0.54	mg/kg	09/07/23 16:30	09/08/23 12:10	--	1
Chromium	6010B	27	mg/kg	09/07/23 16:30	09/08/23 12:10	--	1
Cobalt	6010B	8.2	mg/kg	09/07/23 16:30	09/08/23 12:10	--	1
Copper	6010B	23	mg/kg	09/07/23 16:30	09/08/23 12:10	--	1
Lead	6010B	18	mg/kg	09/07/23 16:30	09/08/23 12:10	--	1
Mercury	7471A	<0.10	mg/kg	09/07/23 16:00	09/08/23 10:51	--	1
Molybdenum	6010B	<1.0	mg/kg	09/07/23 16:30	09/08/23 12:10	--	1
Nickel	6010B	13	mg/kg	09/07/23 16:30	09/08/23 12:10	--	1
Selenium	6010B	<4.8	mg/kg	09/07/23 16:30	09/08/23 12:10	--	1
Silver	6010B	<0.50	mg/kg	09/07/23 16:30	09/08/23 12:10	--	1
Thallium	6010B	<2.0	mg/kg	09/07/23 16:30	09/08/23 12:10	--	1
Vanadium	6010B	38	mg/kg	09/07/23 16:30	09/08/23 12:10	--	1
Zinc	6010B	110	mg/kg	09/07/23 16:30	09/08/23 12:10	--	1

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Lab Reference # GTK 28077A
Project Name: Vernola Trust
Project #: 2903-CR

Metals

Client Sample ID			Lab Sample Number	Date Received	Date Sampled		Matrix			
Method Blank							Soil			
MB ID	ANALYTE	EPA Method	Result	Units	Date Extracted		Date Analyzed		Qual	DF
MBJH0907231	Antimony	6010B	<2.0	mg/kg	09/07/23	16:30	09/08/23	11:28	--	1
MBJH0907231	Arsenic	6010B	<2.0	mg/kg	09/07/23	16:30	09/08/23	11:28	--	1
MBJH0907231	Barium	6010B	<1.0	mg/kg	09/07/23	16:30	09/08/23	11:28	--	1
MBJH0907231	Beryllium	6010B	<0.50	mg/kg	09/07/23	16:30	09/08/23	11:28	--	1
MBJH0907231	Cadmium	6010B	<0.50	mg/kg	09/07/23	16:30	09/08/23	11:28	--	1
MBJH0907231	Chromium	6010B	<0.50	mg/kg	09/07/23	16:30	09/08/23	11:28	--	1
MBJH0907231	Cobalt	6010B	<0.50	mg/kg	09/07/23	16:30	09/08/23	11:28	--	1
MBJH0907231	Copper	6010B	<5.0	mg/kg	09/07/23	16:30	09/08/23	11:28	--	1
MBJH0907231	Lead	6010B	<0.80	mg/kg	09/07/23	16:30	09/08/23	11:28	--	1
MBJH0907232	Mercury	7471A	<0.10	mg/kg	09/07/23	16:00	09/08/23	10:35	--	1
MBJH0907231	Molybdenum	6010B	<1.0	mg/kg	09/07/23	16:30	09/08/23	11:28	--	1
MBJH0907231	Nickel	6010B	<1.0	mg/kg	09/07/23	16:30	09/08/23	11:28	--	1
MBJH0907231	Selenium	6010B	<4.8	mg/kg	09/07/23	16:30	09/08/23	11:28	--	1
MBJH0907231	Silver	6010B	<0.50	mg/kg	09/07/23	16:30	09/08/23	11:28	--	1
MBJH0907231	Thallium	6010B	<2.0	mg/kg	09/07/23	16:30	09/08/23	11:28	--	1
MBJH0907231	Vanadium	6010B	<0.50	mg/kg	09/07/23	16:30	09/08/23	11:28	--	1
MBJH0907231	Zinc	6010B	<5.0	mg/kg	09/07/23	16:30	09/08/23	11:28	--	1
MBJH0907231	TCLP Chromium	6010B	<0.020	mg/l	09/07/23	16:30	09/08/23	11:28	--	1
MBJH0907231	TCLP Lead	6010B	<0.080	mg/l	09/07/23	16:30	09/08/23	11:28	--	1

QA/QC Report
for
Extactable Fuel Hydrocarbons (EPA 8015B/8015M)
Reporting units: ppm

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Date of Extraction: 9/6/2023 16:31
Date of Analysis: 9/6/2023 13:13
Dup Date of Analysis: 9/6/2023 13:35
Laboratory Sample #: 28077-012
MS/MSD Qualifiers: None
Reference #: GTK 28077A

Analyte	R	SPC CONC	MS	MSD	%MS	%MSD	RPD	ACP %MS	ACP RPD	Qual
EFH as Diesel	14.0	1000	1160	1200	115	119	3	13-167	20	☐

Surrogate Recoveries for Spike Samples

Surrogate (%RC)	MS	MSD	Qual	LCS	LCSD	Qual	ACP % RC
Octacosane	131	143	☐	71	72	☐	33-186

Laboratory Control Sample

Date of Extraction: 9/6/2023 16:31
Date of Analysis: 9/6/2023 12:31
Dup Date of Analysis: 9/6/2023 12:53
Laboratory Sample #: BL0905231
LCS Qualifiers: None

Analyte	SPC CONC	LCS	LCSD	%LCS	%LCSD	RPD	ACP %LCS	ACP RPD	Qual
EFH as Diesel	1000	578	607	58	61	5	33-130	20	☐

QA/QC Report
for
Volatile Fuel Hydrocarbons (EPA 8015B)
Reporting units: ppm

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Date of Extraction: 9/7/2023 11:00
Date of Analysis: 9/7/2023 12:42
Dup Date of Analysis: 9/7/2023 13:02
Laboratory Sample #: 28077-012
MS/MSD Qualifiers: None
Reference #: GTK 28077A

Analyte	R	SPC CONC	MS	MSD	%MS	%MSD	RPD	ACP %MS	ACP RPD	Qual
VFH as Gasoline	0.00	0.250	0.294	0.273	118	109	7	20-130	50	☐

Surrogate Recoveries for Spike Samples

Surrogate (%RC)	MS	MSD	Qual	LCS	LCSD	Qual	ACP % RC
α - α - α -Trifluorotoluene	74	73	☐	64	82	☐	33-132

Laboratory Control Sample

Date of Extraction: 9/7/2023 11:00
Date of Analysis: 9/7/2023 12:03
Dup Date of Analysis: 9/7/2023 12:22
Laboratory Sample #: LY0907231
LCS Qualifiers: None

Analyte	SPC CONC	LCS	LCSD	%LCS	%LCSD	RPD	ACP %LCS	ACP RPD	Qual
VFH as Gasoline	0.250	0.252	0.275	101	110	9	33-130	31	☐

QA/QC Report for Metals

Reference #: GTK 28077A

Reporting units: ppm

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

1311/ 6010B/7471A

Laboratory Sample #: 28077-019

Date of Extraction: 09/07/23 16:30

Analyte	MS Date of Analysis	MSD Date of Analysis	R1	SPC CONC	MS	MSD	% MS	% MSD	RPD	ACP %MS	ACP RPD	Qualifiers
Antimony	09/08/23 11:38	09/08/23 11:42	0.00	20.0	7.24	6.95	36	35	4	75-125	20	M2,
Arsenic	09/08/23 11:38	09/08/23 11:42	3.10	20.0	23.1	23.1	100	100	0	75-125	20	--
Barium	09/08/23 11:38	09/08/23 11:42	80.0	20.0	94.2	96.9	71	85	3	75-125	20	M3,
Beryllium	09/08/23 11:38	09/08/23 11:42	0.00	20.0	20.8	20.9	104	104	0	75-125	20	--
Cadmium	09/08/23 11:38	09/08/23 11:42	0.00	20.0	18.7	19.1	94	96	2	75-125	20	--
Chromium	09/08/23 11:38	09/08/23 11:42	20.0	20.0	37.2	41.7	86	109	11	75-125	20	--
Cobalt	09/08/23 11:38	09/08/23 11:42	6.90	20.0	26.0	26.4	95	97	2	75-125	20	--
Copper	09/08/23 11:38	09/08/23 11:42	19.0	20.0	40.0	45.1	105	130	12	75-125	20	M3,
Lead	09/08/23 11:38	09/08/23 11:42	10.0	20.0	28.0	28.9	90	94	3	75-125	20	--
Molybdenum	09/08/23 11:38	09/08/23 11:42	0.00	20.0	19.0	19.5	95	98	3	75-125	20	--
Nickel	09/08/23 11:38	09/08/23 11:42	11.0	20.0	30.9	32.0	99	105	3	75-125	20	--
Selenium	09/08/23 11:38	09/08/23 11:42	0.00	20.0	19.1	19.4	96	97	2	75-125	20	--
Silver	09/08/23 11:38	09/08/23 11:42	0.00	20.0	19.5	20.1	98	101	3	75-125	20	--
TCLP Chromium	09/08/23 11:38	09/08/23 11:42	0.00	0.400	0.00	0.00	0	0	#Num	75-125	20	--
TCLP Lead	09/08/23 11:38	09/08/23 11:42	0.00	0.400	0.00	0.00	0	0	#Num	75-125	20	--
Thallium	09/08/23 11:38	09/08/23 11:42	0.00	20.0	15.9	16.3	79	81	2	75-125	20	--
Vanadium	09/08/23 11:38	09/08/23 11:42	34.0	20.0	50.6	51.4	83	87	2	75-125	20	--
Zinc	09/08/23 11:38	09/08/23 11:42	68.0	20.0	89.3	98.7	107	153	10	75-125	20	M3,

Laboratory Control Spike (LCS) / Laboratory Control Spike Duplicate (LCSD)

1311/ 6010B/7471A

Laboratory Sample #: JH0907231

Date of Extraction: 09/07/23 16:30

Analyte	LCS Date of Analysis	LCSD Date of Analysis		SPC CONC	LCS	LCSD	% LCS	% LCSD	RPD	ACP %LCS	ACP RPD	Qualifiers
Antimony	09/08/23 11:32	09/08/23 11:35	--	20.0	20.2	20.4	101	102	1	80-120	20	--
Arsenic	09/08/23 11:32	09/08/23 11:35	--	20.0	19.4	19.8	97	99	2	80-120	20	--
Barium	09/08/23 11:32	09/08/23 11:35	--	20.0	21.0	21.0	105	105	0	80-120	20	--
Beryllium	09/08/23 11:32	09/08/23 11:35	--	20.0	20.3	20.5	101	102	1	80-120	20	--
Cadmium	09/08/23 11:32	09/08/23 11:35	--	20.0	18.6	18.6	93	93	0	80-120	20	--
Chromium	09/08/23 11:32	09/08/23 11:35	--	20.0	22.5	22.6	113	113	0	80-120	20	--
Cobalt	09/08/23 11:32	09/08/23 11:35	--	20.0	21.3	21.3	106	106	0	80-120	20	--
Copper	09/08/23 11:32	09/08/23 11:35	--	20.0	21.1	21.3	106	106	1	80-120	20	--
Lead	09/08/23 11:32	09/08/23 11:35	--	20.0	21.0	21.5	105	108	2	80-120	20	--
Molybdenum	09/08/23 11:32	09/08/23 11:35	--	20.0	20.4	21.0	102	105	3	80-120	20	--
Nickel	09/08/23 11:32	09/08/23 11:35	--	20.0	23.1	23.6	116	118	2	80-120	20	--
Selenium	09/08/23 11:32	09/08/23 11:35	--	20.0	20.3	20.3	101	101	0	80-120	20	--
Silver	09/08/23 11:32	09/08/23 11:35	--	20.0	20.8	20.9	104	104	0	80-120	20	--
TCLP Chromium	09/08/23 11:32	09/08/23 11:35	--	0.400	Null	Null				80-120	20	--
TCLP Lead	09/08/23 11:32	09/08/23 11:35	--	0.400	Null	Null				80-120	20	--
Thallium	09/08/23 11:32	09/08/23 11:35	--	20.0	20.7	21.1	104	106	2	80-120	20	--
Vanadium	09/08/23 11:32	09/08/23 11:35	--	20.0	20.3	20.4	101	102	0	80-120	20	--
Zinc	09/08/23 12:42	09/08/23 12:53	--	20.0	23.7	20.8	119	104	13	80-120	20	--

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

1311/ 6010B/7471A

Laboratory Sample #: 28077-019

Date of Extraction: 09/07/23 16:00

Analyte	MS Date of Analysis	MSD Date of Analysis	R1	SPC CONC	MS	MSD	% MS	% MSD	RPD	ACP %MS	ACP RPD	Qualifiers
Mercury	09/08/23 10:42	09/08/23 10:44	0.00	1.00	0.854	0.852	85	85	0	80-120	20	--

**QA/QC Report
for
Metals**

Reference #: GTK 28077A

Reporting units: ppm

Laboratory Control Spike (LCS) / Laboratory Control Spike Duplicate (LCSD)

1311/ 6010B/7471A

Laboratory Sample #: JH0907232

Date of Extraction: 09/07/23 16:00

Analyte	LCS Date of Analysis	LCSD Date of Analysis		SPC CONC	LCS	LCSD	% LCS	% LCSD	RPD	ACP %LCS	ACP RPD	Qualifiers
Mercury	09/08/23 10:37	09/08/23 10:39	--	1.00	0.905	0.929	90	93	3	80-120	20	--

Data Qualifier Definitions

Qualifier

H3 = Sample was received and/ or analysis requested past holding time.

M2 = Matrix spike recovery was low, the associated blank spike recovery was acceptable.

28077-019	6010B	Antimony	MS/MSD
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M3 = The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to spike level.
The associated blank spike recovery was acceptable.

28077-019	6010B	Barium	MS
28077-019	6010B	Copper	MSD
28077-019	6010B	Zinc	MSD

Definition of terms:

R	Result of unspiked laboratory sample used for matrix spike determination.
SP CONC (or Spike Conc.)	Spike concentration added to sample or blank
MS	Matrix Spike sample result
MSD	Matrix Spike Duplicate sample result
%MS	Percent recovery of MS: $\{(MS-R1) / SP\ CONC\} \times 100$
%MSD	Percent recovery of MSD: $\{(MSD-R1) / SP\ CONC\} \times 100$
RPD (for MS/MSD)	Relative Percent Difference: $\{(MS-MSD) / (MS+MSD)\} \times 100 \times 2$
LCS	Laboratory Control Sample result
LCSD	Laboratory Control Sample Duplicate result
%LCS	Percent recovery of LCS: $\{(LCS) / SP\ CONC\} \times 100$
%LCSD	Percent recovery of LCSD: $\{(LCSD) / SP\ CONC\} \times 100$
RPD (for LCS/LCSD)	Relative Percent Difference: $\{(LCS-LCSD) / (LCS+LCSD)\} \times 100 \times 2$
ACP %LCS	Acceptable percent recovery range for Laboratory Control Samples.
ACP %MS	Acceptable percent recovery range for Matrix Spike samples
ACP RPD	Acceptable Relative Percent Difference
D	Detectable, result must be greater than zero
Qual	A checked box indicates a data qualifier was utilized and/or required for this analyte see attached explanation.
ND	Analyte Not Detected