Phase II Environmental Site Assessment Report

Sendero Verde Redevelopment Project
Tax Block 1617 of Tax Lot 20
New York, New York

June 8, 2018

Prepared for:
SV-A Owners LLC, SV-B Owners LLC and SV-C Owners LLC

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1. Introduction

Roux Environmental Engineering and Geology, D.P.C. (Roux) on behalf of the SV-A Owners LLC, SV-B Owners LLC and SV-C Owners LLC, (collectively referred to herein as the Owners) has prepared this Phase II Environmental Site Assessment (ESA) Report to summarize the Phase II ESA conducted at the Sendero Verde Redevelopment Project Site (herein refered to as the Site). The Site bounded by Park and Madison Avenues and East 111th Street and East 112th Street, occupying Tax Block 1617, Lot 20, in the Borough of the Manhattan, City and State of New York. The objective of the Phase II ESA was to characterize existing soil, groundwater, and soil vapor conditions at the Site. The work was performed in accordance with NYCDEP approved Phase II Work Plan (WP) dated April 26, 2018.

1.1 Previous Investigations

In January 2018, submitted a draft Phase I ESA to the Owners for the Site. Based on the information gathered as a result of the draft Phase I ESA process, Roux has identified the following recognized environmental conditions (RECs) in connection with the Site:

- Historical on-Site Usage: As indicated by the City Directory, 56 East 112th Street operated as Continental Tailors & Cleaners (assumed to be a dry cleaner). Other noted operators/tenants of the Site included Frank Cohen Printer, White Printer Department, Hyman Furrier and Hernando Contreras Shoes. The Certified Sanborn Fire Insurance maps indicated that, a portion of the Site was identified as a "Chinese Laundry" from at least 1911 to 1979 and a portion of the Site contained paint stores from at least 1939 to 1951. These historical operations may have used hazardous materials and potentially impacted the quality of the subsurface soil, soil vapor and/or groundwater beneath the Site.
- Past use of adjacent and upgradient properties: As detailed in the environmental database report, an adjacent property to the north/northwest located within close proximity to the Site operated as a dry-cleaning facility in the past. The immediately adjacent property to the south, operated as an auto service station in the past. As detailed in the City Directory, nearby properties also included dental offices and paint shops. These historical operations may have potentially impacted the quality of the subsurface soil, soil vapor and/or groundwater beneath the Site through on-Site migration of contaminants.

In addition to the aforementioned RECs, the following Business Environmental Risks (BERs) were identified:

- As noted in the geotechnical evaluation completed by others, the Site is underlain by historic urban fill which is common within the five boroughs of New York City. The thickness of the fill layer is estimated to be ten to 15 feet below land surface (ft bls).
- There is potential that previous on-Site buildings used fuel oil for heat prior to conversion to natural gas, though documentation related to fuel oil is unavailable. Therefore, there is the potential that fuel oil tanks were present on-Site and undocumented removal of tanks may have occurred or underground storage tanks (USTs) may remain on-Site. There is potential that should tanks have existed, spills/releases may have impacted soil, groundwater and soil vapor beneath the Site.

1.2 Property Location and Description

The Site is located to the west of Park Avenue and to the east of Madison Avenue, between East 111th and East 112th Streets in the East Harlem section of Manhattan, New York. The area surrounding the Site is urban and developed with low to high-rise multi-family residential buildings, commercial and office buildings, and mixed use residential and commercial properties. Surrounding property usage to the north of the Site, beyond East 112th Street, is residential with multiple high-rise residential buildings. To the south, beyond East 111th Street, is mixed use residential and commercial with multiple high-rise buildings. To the east,

beyond Park Avenue, are the elevated tracks of the Metro North Railroad, further east is a playground belonging to a public school. To the west, beyond Madison Avenue, is residential with a part five, part seven-story residential building.

Currently, the Site consists of a full city block (Block 1617), excluding two parcels (Lots 21 and 34). The Site currently contains a baseball field and community gardens surround the eastern and western Site perimeter. The lot size is approximately 76,575 square feet. The Site is currently vacant.

1.3 Proposed Redevelopment

The proposed redevelopment of the Site will proceed in three phases and includes 588,236 gross square feet (GSF) of residential, 152,831 GSF of community facility space and 10,587 GSF of retail space, for a total GSF of 751,654. Each phase of the Site redevelopment corresponds to the construction of a building, the buildings are designated as Building A, Building B and Building C. Building A, located on Madison Avenue and East 112th Street, will consist of a 35-story tower with a GSF of 372,102. Building B, located along East 112th Street, will consist of a 13-story building with a GSF of 294,205 and will hold much of the community facility space. Building C, located along East 111th Street, will consists of a nine-story building with a GSF of 87,856. The three buildings will be interconnected with a raised courtyard, which will be built over the Building B community facility space. The aforementioned community gardens will be relocated and reincorporated into the project.

Buildings A and B will contain cellars and the estimated depth of excavation will be approximately 15 feet below grade. The first phase of construction is anticipated to start in December 2018, with the construction of Building A, the second phase of construction is anticipated to begin in June 2019, with the construction of Building B and Building C construction is anticipated to begin in December 2019.

1.4 Potential Environmental Concerns

There is the potential for environmental impacts from former Site operations, which included use as a dry-cleaner, Chinese laundry, print shop and furrier, to have impacted the subsurface beneath the Site. In addition, the adjacent properties located within close proximity to the Site have operated as dry-cleaners, auto repairs, dental office and paint shops in the past. There is potential that these operations may have impacted the subsurface beneath the Site.

2. Site Investigation

The proposed Scope of Work (SOW) for the Phase II ESA included the performance of a geophysical survey, the sampling of soil, groundwater and soil vapor. A total of twelve soil borings, six temporary groundwater monitoring wells and eight soil vapor points were proposed for the Site. Roux retained the services of Trinity Environmental Corporation (Trinity) of Deer Park, New York, a licensed driller in the state of New York, for the drilling operations. Prior to any drilling, each of the soil boring locations were pre-cleared by hand to a depth of five feet below land surface (ft bls) to ensure the locations were free of any potential utilities in the subsurface.

2.1 Geophysical Survey

To identify and locate suspected existing and former USTs and other Site utilities, a geophysical survey was conducted. Beginning on April 11, 2018, Roux Associates' geophysical subcontractor, Naeva Geophysics, Inc., of Congers, New York (Naeva), utilized an electromagnetic metal-detector and ground penetrating radar (GPR) to detect anomalies, collect GPR data profiles and mark out any detected underground storage tanks (USTs) and other subsurface utilities. Naeva identified one suspected UST, and 51 discrete anomalies, which were marked out accordingly. The suspected UST and anomalies are shown on Plate 1 and Plate 2 of the geophysical investigation report, included as Appendix A. Based on the results of the GPR, an additional soil boring was installed near the suspected UST.

2.2 Soil Investigation

Beginning on April 30, 2018, Trinity utilized a GeoProbe™ direct push drill rig to advance twelve soil borings to depths between 15 ft bls and 20 ft bls (Figure 1). Soil was field screened for volatile organic compounds (VOCs) using a photoionization detector (PID). All soils were visually inspected for evidence of impacts (e.g., odors, staining, and visible free product), and the lithology was recorded according to the Unified Soils Classification System (USCS). Soil samples were collected continuously in five-foot increments for geologic logging and visual inspection. Groundwater was encountered from 10 to 13 ft bls during this investigation.

One soil sample was collected from the 0-2' ft bls interval at each boring location. An additional soil sample was collected from the two-foot interval that exhibited the highest PID reading or the two-foot interval directly beneath the proposed maximum excavation depth. If the groundwater table interface was encountered before the proposed maximum excavation depth was reached and there were no signs of impacts, the soil sample was collected from the two-foot interval above the groundwater table interface. A total of 24 soil samples (two soil samples from each of the twelve soil borings) were collected utilizing laboratory-supplied containers.

2.3 Groundwater Investigation

Six of the twelve soil borings were converted to temporary one-inch diameter groundwater monitoring wells. Each of the wells was constructed of one-inch diameter schedule 40 PVC with 10-feet of 0.02-inch screen (Figure 1). Following installation, the groundwater monitoring wells were gauged with an oil-water interface probe and were sampled utilizing low-flow sampling techniques. A total of six groundwater grab samples were collected utilizing laboratory-supplied containers.

2.4 Soil Vapor Investigation

Beginning on April 30, 2018, Trinity installed six temporary soil vapor monitoring points. In areas where the proposed building foundations are at a shallow depth, the vapor point was installed at five ft bls. In areas where the proposed building foundations are deeper, the vapor point was installed at one-foot above the groundwater table (Figure 1). Following installation of each temporary soil vapor point, the integrity of each sampling point seal was checked in accordance with New York State Department of Health (NYSDOH) Guidance for Evaluating Soil Vapor Intrusion. This step was conducted as a quality assurance/quality control measure to verify that the soil vapor sample was not compromised by inadvertent introduction of ambient air into the sample. Soil vapor was purged from the point using an air pump calibrated to approximately 0.2 liters per minute while the sampling point was covered at the surface with a small enclosure that is partially filled with helium. The soil vapor discharging from the air pump and the air within the enclosure was continuously monitored for helium during purging. Samples were collected using batch certified vacuum canisters equipped with laboratory-supplied, two-hour regulators. Samples were analyzed for VOCs via USEPA Method TO-15. All samples were collected on May 4, 2018 in accordance with the NYSDOH guidance.

2.5 Laboratory Analysis

Roux submitted the soil, groundwater and soil vapor samples for analysis to Alpha Analytical (Alpha) of Westborough, Massachusetts, a laboratory with a current NYSDOH Environmental Laboratory Approval Program (ELAP) Contract and Laboratory Protocol (CLP) certification. Laboratory analytical data is included as Appendix B.

3. Phase II Results

A summary of the Phase II ESA findings is provided below.

3.1 Soil Results

Laboratory analytical results for soil samples were compared to the New York State Department of Environmental Conservation (NYSDEC) Unrestricted Use Soil Cleanup Objectives (UUSCOs) and the NYSDEC Restricted Residential Use Soil Cleanup Objectives (RRSCOs) as presented in NYSDEC Part 375.6. The results of the soil sampling event are summarized in Tables 1 through 6. Results of the laboratory analysis are discussed below:

- No VOCs were detected at a concentration above their respective UUSCOs or RRSCOs.
- One or more SVOCs including benzo(a)anthracene (maximum of 6,000 micrograms per kilogram [µg/kg] at SB-5, 0-2 ft bls), benzo(a)pyrene (maximum 6,200 µg/kg at SB-5, 0-2 ft bls), benzo(b)fluoranthene (maximum of 10,000 µg/kg at SB-5, 0-2 ft bls), chrysene (maximum of 7,200 µg/kg at SB-5, 0-2 ft bls), dibenzo(a,h)anthracene (maximum of 1,000 µg/kg at SB-5, 0-2 ft bls) and indeno(1,2,3-c,d)pyrene (maximum of 5,100 µg/kg at SB-5, 0-2 ft bls) were detected at relatively low concentrations slightly above their respective UUSCOs and RRSCOs in all shallow soil samples and three of the twelve deep soil samples (SB-1, SB-4 and SB-11). It should be noted, that the UUSCOs and the RRSCOs for Benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene and indeno(1,2,3-c,d)pyrene are the same value (1,000 ug/kg).
- One or more metals including arsenic (maximum of 29.5 milligrams per kilogram [mg/kg] at SB-11, 8-10 ft bls), barium (maximum of 564 mg/kg at SB-6, 0-2 ft bls), copper (maximum of 5,060 mg/kg at SB-1, 0-2 ft bls) and lead (maximum of 820 mg/kg at SB-1, 12-14 ft bls) were detected at concentrations above their respective UUSCOs and RRSCOs in nine shallow (all samples except SB-3, SB-7 and SB-8) and three deep soil samples (SB-1, SB-4 and SB-11). Mercury (maximum of 0.466 mg/kg at SB-4, 0-2 ft bls) exceeded the UUSCO in eight shallow soil samples (SB-1, SB-4, SB-5, SB-6, SB- 9, SB-10, SB-11 and SB-12) and three deep soil samples (SB-1, SB-4 and SB-11), but not the RRSCO. Zinc (maximum of 777 mg/kg at SB-11, 8-10 ft bls) exceeded the UUSCO in nine shallow soil samples (all samples except SB-3, SB-7 and SB-8) and three deep soil samples (SB-1, SB-4 and SB-11), but not the RRSCO.
- Total PCBs (maximum 355 µg/kg at SB-1, 0-2 ft bls [estimated value]) were detected above their respective UUSCOs in four shallow soil samples (SB-1, SB-4, SB-9 and SB-12) and one deep soil sample (SB-1).
- One or more pesticides including cis-chlordane (maximum of 315 µg/kg at SB-11, 8-10 ft bls), dieldrin (maximum of 315 µg/kg at SB-11, 8-10 ft bls), DDD (maximum of 35.1 µg/kg at SB-12, 0-2 ft bls), DDE (maximum of 471 µg/kg at SB-11, 8-10 ft bls) and DDT (maximum of 1,670 µg/kg at SB-11, 8-10 ft bls) were detected above their respective UUSCOs in all shallow samples and six deep samples (SB-1, SB-4, SB-7, SB-9, SB-10 and SB-11). Dieldrin was detected above its respective RRSCO in one deep sample (SB-11, 8-10 ft bls).

3.2 Groundwater Results

Laboratory analytical results for groundwater samples were compared to the NYSDEC Ambient Water Quality Standards and Guidance Values (AWQSGVs). The results of the groundwater sampling event are summarized in Tables 7 through 11. Results of the laboratory analysis are discussed below:

- One VOC, Chloroform, was detected above its AWQSGV in all samples (maximum concentration of 39 micrograms per liter [µg/L]). Though the source of the chloroform exceedances cannot be confirmed, the exceedances may be attributed to the any leaking plumbing related to the former on-

Site structures, which were supplied with potable water that was likely chlorinated, leaking water mains and the watering of the community gardens.

- In general, SVOC concentrations in the filtered groundwater samples were low to non-detect and were lower in than in the unfiltered samples. This indicates that that the SVOCs are primarily due to suspended sediments present in the groundwater samples. Concentrations of all SVOCs in the filtered samples were below their respective AWSWGVs, except Bis(2-ethylhexyl)phthalate. Bis(2-ethylhexyl)phthalate (maximum concentration of 9.4 µg/L) was detected above its AWQSGV in one filtered sample (SB-4).
- In general, metals concentrations in the filtered groundwater samples were low to non-detect and were lower in than in the unfiltered samples. This indicates that that the metals are primarily due to suspended sediments present in the groundwater samples. Concentrations of all metals in the filtered samples were below their respective AWSWGVs, except sodium. Sodium (maximum concentration of 68,300 µg/L) was detected above its AWQSGVs in three filtered groundwater grab samples (SB-4, SB-5, SB-9 and SB-10). Sodium is naturally occurring in groundwater.
- No PCBs were detected in groundwater.
- In general, pesticide concentrations in the filtered groundwater samples were low to non-detect and were lower in the filtered samples than in the unfiltered samples. This indicates that the pesticides are primarily due to suspended sediments present in the groundwater samples. Concentrations of all pesticides in the filtered samples were below their respective AWSWGVs, except dieldrin. Dieldrin (maximum concentration of 0.022 [estimated] µg/L) was detected above its AWQSGVs in three filtered groundwater grab samples (SB-1, SB-4 and SB-10).

3.3 Soil Vapor Results

The analytical results of the soil vapor sampling event are summarized in Table 12. NYSDOH has established Air Guideline Values for selected parameters in the NYSDOH Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York, which was published in October 2006 and updated in May 2017.

The NYSDOH has established guidance for evaluating soil vapor intrusion in which the results of sub-slab vapor samples are evaluated in a matrix with corresponding indoor air quality results. The guidance document includes Matrix A for trichloroethene (TCE), cis-1,2-dichloroethene, 1,1-dichloroethene, and carbon tetrachloride; Matrix B for tetrachloroethene (PCE), 1,1,1-trichloroethane (111-TCA), and methylene chloride; and Matrix C for vinyl chloride. While the matrices are designed for evaluation of sub-slab and indoor air samples and not for pre-development soil vapor sampling, the results of the soil vapor sampling can be evaluated against the soil vapor values in the matrices. The results of the matrix evaluation for PCE, the only matrix compound detected at the Site, are discussed below:

- PCE was detected in four soil vapor samples (SV-3, SV-4, SV-6 and SV-7) at concentrations ranging from 8.68 micrograms per cubic meter (µg/m^3) to 48.8 µg/m^3, which are below the monitoring level ranges established by NYSDOH, even if all of the PCE present was to intrude into the indoor air.

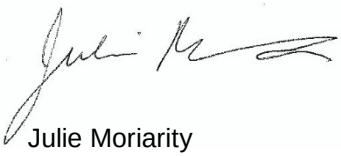
None of the other compounds detected in soil vapor have NYSDOH guideline values and are not included in the matrices.

4. Conclusion

Based on the results of the Phase II ESA, additional investigation activities are not warranted at this time. As part of the future development of the Site, a comprehensive waste characterization program should be implemented in an effort to properly characterize all soils at the Site for future off-Site disposal. Although the soil vapor samples did not indicate a significant issue, as a precaution, a vapor barrier should also be installed beneath the foundation of any newly constructed building. Furthermore, contingency measures will be in place for handling any potential USTs that may be encountered during redevelopment excavation. These measures will be addressed in the Remedial Action Plan and Construction Health and Safety Plan to be prepared for the Site as part of the redevelopment.

Respectfully submitted,

ROUX ENVIRONMENTAL ENGINEERING AND GEOLOGY, D.P.C.



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TABLES

Notes Utilized Throughout Tables	
Soil Tables	
J -	Estimated value
U -	Indicates that the compound was analyzed for but not detected
B -	The analyte was found in an associated blank as well as in the sample
P -	The RPD between the results for the two columns exceeds the method-specified criteria
I -	The lower value for the two columns has been reported due to obvious interference
RPD -	Relative Percent Difference
T -	Indicates that a quality control parameter has exceeded laboratory limits
ft bls -	Feet below land surface
µg/kg -	Micrograms per kilogram
mg/kg -	Milligrams per kilogram
NYSDEC -	New York State Department of Environmental Conservation
SCO -	Soil Cleanup Objectives
--	No SCO available
Bold data indicates that parameter was detected above the NYSDEC Part 375 Unrestricted Use SCO	
Shaded data indicates that parameter was detected above the NYSDEC Part 375 Restricted Residential SCO	
Groundwater Tables	
NYSDEC -	New York State Department of Environmental Conservation
AWQSGVs -	Ambient Water-Quality Standards and Guidance Values
J -	Estimated Value
U -	Indicates that the compound was analyzed for but not detected
--	No NYSDEC AWQSGV available
µg/L -	Micrograms per liter
Bold data indicates that parameter was detected above the NYSDEC AWQSGVs	
Soil Vapor/Ambient Air	
J -	Estimated value
U -	Indicates that the compound was analyzed for but not detected
ug/m3 -	Micrograms per cubic meter
Bold data indicates that parameter was detected	

Table 1. Summary of Volatile Organic Compounds in Soil, Sendero Verde Redevelopment Project, East Harlem, New York

			Sample Designation:	SB-1	SB-1	SB-2	SB-2	SB-3
			Sample Date:	05/01/2018	05/02/2018	05/01/2018	05/02/2018	04/30/2018
			Sample Depth (ft bls):	1	13	1	19	1
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	Unit					
1,1,1,2-Tetrachloroethane	--	--	UG/KG	1.5 U	1.8 U	2.1 U	1.2 U	1.5 U
1,1,1-Trichloroethane (TCA)	680	100000	UG/KG	1.5 U	1.8 U	2.1 U	1.2 U	1.5 U
1,1,2,2-Tetrachloroethane	--	--	UG/KG	1.5 U	1.8 U	2.1 U	1.2 U	1.5 U
1,1,2-Trichloroethane	--	--	UG/KG	2.3 U	2.7 U	3.1 U	1.8 U	2.3 U
1,1-Dichloroethane	270	26000	UG/KG	2.3 U	2.7 U	3.1 U	1.8 U	2.3 U
1,1-Dichloroethene	330	100000	UG/KG	1.5 U	1.8 U	2.1 U	1.2 U	1.5 U
1,1-Dichloropropene	--	--	UG/KG	7.6 U	9 U	10 U	6.1 U	7.6 U
1,2,3-Trichlorobenzene	--	--	UG/KG	7.6 U	9 U	10 U	6.1 U	7.6 U
1,2,3-Trichloropropane	--	--	UG/KG	15 U	18 U	21 U	12 U	15 U
1,2,4,5-Tetramethylbenzene	--	--	UG/KG	6 U	7.2 U	8.3 U	4.9 U	6.1 U
1,2,4-Trichlorobenzene	--	--	UG/KG	7.6 U	9 U	10 U	6.1 U	7.6 U
1,2,4-Trimethylbenzene	3600	52000	UG/KG	7.6 U	9 U	10 U	6.1 U	7.6 U
1,2-Dibromo-3-Chloropropane	--	--	UG/KG	7.6 U	9 U	10 U	6.1 U	7.6 U
1,2-Dibromoethane (Ethylene Dibromide)	--	--	UG/KG	6 U	7.2 U	8.3 U	4.9 U	6.1 U
1,2-Dichlorobenzene	1100	100000	UG/KG	7.6 U	9 U	10 U	6.1 U	7.6 U
1,2-Dichloroethane	20	3100	UG/KG	1.5 U	1.8 U	2.1 U	1.2 U	1.5 U
1,2-Dichloropropane	--	--	UG/KG	5.3 U	6.3 U	7.3 U	4.3 U	5.4 U
1,3,5-Trimethylbenzene (Mesitylene)	8400	52000	UG/KG	7.6 U	9 U	10 U	6.1 U	7.6 U
1,3-Dichlorobenzene	2400	49000	UG/KG	7.6 U	9 U	10 U	6.1 U	7.6 U
1,3-Dichloropropane	--	--	UG/KG	7.6 U	9 U	10 U	6.1 U	7.6 U
1,4-Dichlorobenzene	1800	13000	UG/KG	7.6 U	9 U	10 U	6.1 U	7.6 U
1,4-Diethyl Benzene	--	--	UG/KG	6 U	7.2 U	8.3 U	4.9 U	6.1 U
1,4-Dioxane (P-Dioxane)	100	13000	UG/KG	60 U	72 U	83 U	49 U	61 U
2,2-Dichloropropane	--	--	UG/KG	7.6 U	9 U	10 U	6.1 U	7.6 U
2-Chlorotoluene	--	--	UG/KG	7.6 U	9 U	10 U	6.1 U	7.6 U
2-Hexanone	--	--	UG/KG	15 U	18 U	21 U	12 U	15 U

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			Sample Designation:	SB-1	SB-1	SB-2	SB-2	SB-3
			Sample Date:	05/01/2018	05/02/2018	05/01/2018	05/02/2018	04/30/2018
			Sample Depth (ft bls):	1	13	1	19	1
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	Unit					
4-Chlorotoluene	--	--	UG/KG	7.6 U	9 U	10 U	6.1 U	7.6 U
4-Ethyltoluene	--	--	UG/KG	6 U	7.2 U	8.3 U	4.9 U	6.1 U
Acetone	50	100000	UG/KG	15 U	18 U	21 U	11 J	15 U
Acrylonitrile	--	--	UG/KG	15 U	18 U	21 U	12 U	15 U
Benzene	60	4800	UG/KG	1.5 U	1.8 U	2.1 U	1.2 U	1.5 U
Bromobenzene	--	--	UG/KG	7.6 U	9 U	10 U	6.1 U	7.6 U
Bromochloromethane	--	--	UG/KG	7.6 U	9 U	10 U	6.1 U	7.6 U
Bromodichloromethane	--	--	UG/KG	1.5 U	1.8 U	2.1 U	1.2 U	1.5 U
Bromoform	--	--	UG/KG	6 U	7.2 U	8.3 U	4.9 U	6.1 U
Bromomethane	--	--	UG/KG	3 U	3.6 U	4.2 U	2.4 U	3 U
Carbon Disulfide	--	--	UG/KG	15 U	18 U	21 U	12 U	15 U
Carbon Tetrachloride	760	2400	UG/KG	1.5 U	1.8 U	2.1 U	1.2 U	1.5 U
Chlorobenzene	1100	100000	UG/KG	1.5 U	1.8 U	2.1 U	1.2 U	1.5 U
Chloroethane	--	--	UG/KG	3 U	3.6 U	4.2 U	2.4 U	3 U
Chloroform	370	49000	UG/KG	2.3 U	2.7 U	3.1 U	5.1	2.3 U
Chloromethane	--	--	UG/KG	7.6 U	9 U	10 U	6.1 U	7.6 U
Cis-1,2-Dichloroethylene	250	100000	UG/KG	1.5 U	1.8 U	2.1 U	1.2 U	1.5 U
Cis-1,3-Dichloropropene	--	--	UG/KG	1.5 U	1.8 U	2.1 U	1.2 U	1.5 U
Cymene	--	--	UG/KG	1.5 U	1.8 U	2.1 U	1.2 U	1.5 U
Dibromochloromethane	--	--	UG/KG	1.5 U	1.8 U	2.1 U	1.2 U	1.5 U
Dibromomethane	--	--	UG/KG	15 U	18 U	21 U	12 U	15 U
Dichlorodifluoromethane	--	--	UG/KG	15 U	18 U	21 U	12 U	15 U
Dichloroethylenes	--	--	UG/KG	1.5 U	1.8 U	2.1 U	1.2 U	1.5 U
Diethyl Ether (Ethyl Ether)	--	--	UG/KG	7.6 U	9 U	10 U	6.1 U	7.6 U
Ethylbenzene	1000	41000	UG/KG	1.5 U	1.8 U	2.1 U	1.2 U	1.5 U
Hexachlorobutadiene	--	--	UG/KG	7.6 U	9 U	10 U	6.1 U	7.6 U
Isopropylbenzene (Cumene)	--	--	UG/KG	1.5 U	1.8 U	2.1 U	1.2 U	1.5 U
m,p-Xylene	--	--	UG/KG	3 U	3.6 U	4.2 U	2.4 U	3 U
Methyl Ethyl Ketone (2-Butanone)	120	100000	UG/KG	15 U	18 U	21 U	12 U	15 U

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			Sample Designation:	SB-1	SB-1	SB-2	SB-2	SB-3
			Sample Date:	05/01/2018	05/02/2018	05/01/2018	05/02/2018	04/30/2018
			Sample Depth (ft bls):	1	13	1	19	1
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	Unit					
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	--	UG/KG	15 U	18 U	21 U	12 U	15 U
Methylene Chloride	50	100000	UG/KG	15 U	18 U	21 U	3 J	15 U
Naphthalene	12000	100000	UG/KG	7.6 U	0.8 J	10 U	6.1 U	7.6 U
N-Butylbenzene	12000	100000	UG/KG	1.5 U	1.8 U	2.1 U	1.2 U	1.5 U
N-Propylbenzene	3900	100000	UG/KG	1.5 U	1.8 U	2.1 U	1.2 U	1.5 U
O-Xylene (1,2-Dimethylbenzene)	--	--	UG/KG	3 U	3.6 U	4.2 U	2.4 U	3 U
Sec-Butylbenzene	11000	100000	UG/KG	1.5 U	1.8 U	2.1 U	1.2 U	1.5 U
Styrene	--	--	UG/KG	3 U	3.6 U	4.2 U	2.4 U	3 U
T-Butylbenzene	5900	100000	UG/KG	7.6 U	9 U	10 U	6.1 U	7.6 U
Tert-Butyl Methyl Ether	930	100000	UG/KG	3 U	3.6 U	4.2 U	2.4 U	3 U
Tetrachloroethylene (PCE)	1300	19000	UG/KG	1.5 U	1.8 U	2.1 U	1.2 U	1.5 U
Toluene	700	100000	UG/KG	2.3 U	2.7 U	3.1 U	1.8 U	2.3 U
Total, 1,3-Dichloropropene (Cis And Trans)	--	--	UG/KG	1.5 U	1.8 U	2.1 U	1.2 U	1.5 U
Trans-1,2-Dichloroethene	190	100000	UG/KG	2.3 U	2.7 U	3.1 U	1.8 U	2.3 U
Trans-1,3-Dichloropropene	--	--	UG/KG	1.5 U	1.8 U	2.1 U	1.2 U	1.5 U
Trans-1,4-Dichloro-2-Butene	--	--	UG/KG	7.6 U	9 U	10 U	6.1 U	7.6 U
Trichloroethylene (TCE)	470	21000	UG/KG	1.5 U	1.8 U	2.1 U	1.2 U	1.5 U
Trichlorofluoromethane	--	--	UG/KG	7.6 U	9 U	10 U	6.1 U	7.6 U
Vinyl Acetate	--	--	UG/KG	15 U	18 U	21 U	12 U	15 U
Vinyl Chloride	20	900	UG/KG	3 U	3.6 U	4.2 U	2.4 U	3 U
Xylenes	260	100000	UG/KG	3 U	3.6 U	4.2 U	2.4 U	3 U

Table 1. Summary of Volatile Organic Compounds in Soil, Sendero Verde Redevelopment Project, East Harlem, New York

			Sample Designation:	SB-3	SB-4	SB-4	SB-5	SB-5
			Sample Date:	05/01/2018	04/30/2018	05/01/2018	04/30/2018	05/02/2018
			Sample Depth (ft bls):	18	1	12.5	1	19
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	Unit					
1,1,1,2-Tetrachloroethane	--	--	UG/KG	1 U	1.5 U	1.2 U	1.6 U	1.2 U
1,1,1-Trichloroethane (TCA)	680	100000	UG/KG	1 U	1.5 U	1.2 U	1.6 U	1.2 U
1,1,2,2-Tetrachloroethane	--	--	UG/KG	1 U	1.5 U	1.2 U	1.6 U	1.2 U
1,1,2-Trichloroethane	--	--	UG/KG	1.5 U	2.2 U	1.8 U	2.4 U	1.8 U
1,1-Dichloroethane	270	26000	UG/KG	1.5 U	2.2 U	1.8 U	2.4 U	1.8 U
1,1-Dichloroethene	330	100000	UG/KG	1 U	1.5 U	1.2 U	1.6 U	1.2 U
1,1-Dichloropropene	--	--	UG/KG	5.1 U	7.4 U	6.1 U	7.9 U	6.2 U
1,2,3-Trichlorobenzene	--	--	UG/KG	5.1 U	7.4 U	6.1 U	7.9 U	6.2 U
1,2,3-Trichloropropane	--	--	UG/KG	10 U	15 U	12 U	16 U	12 U
1,2,4,5-Tetramethylbenzene	--	--	UG/KG	4.1 U	6 U	4.9 U	6.3 U	4.9 U
1,2,4-Trichlorobenzene	--	--	UG/KG	5.1 U	7.4 U	6.1 U	7.9 U	6.2 U
1,2,4-Trimethylbenzene	3600	52000	UG/KG	5.1 U	7.4 U	6.1 U	7.9 U	6.2 U
1,2-Dibromo-3-Chloropropane	--	--	UG/KG	5.1 U	7.4 U	6.1 U	7.9 U	6.2 U
1,2-Dibromoethane (Ethylene Dibromide)	--	--	UG/KG	4.1 U	6 U	4.9 U	6.3 U	4.9 U
1,2-Dichlorobenzene	1100	100000	UG/KG	5.1 U	7.4 U	6.1 U	7.9 U	6.2 U
1,2-Dichloroethane	20	3100	UG/KG	1 U	1.5 U	1.2 U	1.6 U	1.2 U
1,2-Dichloropropane	--	--	UG/KG	3.6 U	5.2 U	4.3 U	5.5 U	4.3 U
1,3,5-Trimethylbenzene (Mesitylene)	8400	52000	UG/KG	5.1 U	7.4 U	6.1 U	7.9 U	6.2 U
1,3-Dichlorobenzene	2400	49000	UG/KG	5.1 U	7.4 U	6.1 U	7.9 U	6.2 U
1,3-Dichloropropane	--	--	UG/KG	5.1 U	7.4 U	6.1 U	7.9 U	6.2 U
1,4-Dichlorobenzene	1800	13000	UG/KG	5.1 U	7.4 U	6.1 U	7.9 U	6.2 U
1,4-Diethyl Benzene	--	--	UG/KG	4.1 U	6 U	4.9 U	6.3 U	4.9 U
1,4-Dioxane (P-Dioxane)	100	13000	UG/KG	41 U	60 U	49 U	63 U	49 U
2,2-Dichloropropane	--	--	UG/KG	5.1 U	7.4 U	6.1 U	7.9 U	6.2 U
2-Chlorotoluene	--	--	UG/KG	5.1 U	7.4 U	6.1 U	7.9 U	6.2 U
2-Hexanone	--	--	UG/KG	10 U	15 U	12 U	16 U	12 U

Table 1. Summary of Volatile Organic Compounds in Soil, Sendero Verde Redevelopment Project, East Harlem, New York

			Sample Designation:	SB-3	SB-4	SB-4	SB-5	SB-5
			Sample Date:	05/01/2018	04/30/2018	05/01/2018	04/30/2018	05/02/2018
			Sample Depth (ft bls):	18	1	12.5	1	19
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	Unit					
4-Chlorotoluene	--	--	UG/KG	5.1 U	7.4 U	6.1 U	7.9 U	6.2 U
4-Ethyltoluene	--	--	UG/KG	4.1 U	6 U	4.9 U	6.3 U	4.9 U
Acetone	50	100000	UG/KG	6.2 J	15 U	12	16 U	3.1 J
Acrylonitrile	--	--	UG/KG	10 U	15 U	12 U	16 U	12 U
Benzene	60	4800	UG/KG	1 U	1.5 U	1.2 U	1.6 U	1.2 U
Bromobenzene	--	--	UG/KG	5.1 U	7.4 U	6.1 U	7.9 U	6.2 U
Bromochloromethane	--	--	UG/KG	5.1 U	7.4 U	6.1 U	7.9 U	6.2 U
Bromodichloromethane	--	--	UG/KG	1 U	1.5 U	1.2 U	1.6 U	1.2 U
Bromoform	--	--	UG/KG	4.1 U	6 U	4.9 U	6.3 U	4.9 U
Bromomethane	--	--	UG/KG	2 U	3 U	2.4 U	3.2 U	2.5 U
Carbon Disulfide	--	--	UG/KG	10 U	15 U	12 U	16 U	12 U
Carbon Tetrachloride	760	2400	UG/KG	1 U	1.5 U	1.2 U	1.6 U	1.2 U
Chlorobenzene	1100	100000	UG/KG	1 U	1.5 U	1.2 U	1.6 U	1.2 U
Chloroethane	--	--	UG/KG	2 U	3 U	2.4 U	3.2 U	2.5 U
Chloroform	370	49000	UG/KG	2.8	2.2 U	1.8 U	2.4 U	4.4
Chloromethane	--	--	UG/KG	5.1 U	7.4 U	6.1 U	7.9 U	6.2 U
Cis-1,2-Dichloroethylene	250	100000	UG/KG	1 U	1.5 U	1.2 U	1.6 U	1.2 U
Cis-1,3-Dichloropropene	--	--	UG/KG	1 U	1.5 U	1.2 U	1.6 U	1.2 U
Cymene	--	--	UG/KG	1 U	1.5 U	1.2 U	1.6 U	1.2 U
Dibromochloromethane	--	--	UG/KG	1 U	1.5 U	1.2 U	1.6 U	1.2 U
Dibromomethane	--	--	UG/KG	10 U	15 U	12 U	16 U	12 U
Dichlorodifluoromethane	--	--	UG/KG	10 U	15 U	12 U	16 U	12 U
Dichloroethylenes	--	--	UG/KG	1 U	1.5 U	1.2 U	1.6 U	1.2 U
Diethyl Ether (Ethyl Ether)	--	--	UG/KG	5.1 U	7.4 U	6.1 U	7.9 U	6.2 U
Ethylbenzene	1000	41000	UG/KG	1 U	1.5 U	1.2 U	1.6 U	1.2 U
Hexachlorobutadiene	--	--	UG/KG	5.1 U	7.4 U	6.1 U	7.9 U	6.2 U
Isopropylbenzene (Cumene)	--	--	UG/KG	1 U	1.5 U	1.2 U	1.6 U	1.2 U
m,p-Xylene	--	--	UG/KG	2 U	3 U	2.4 U	3.2 U	2.5 U
Methyl Ethyl Ketone (2-Butanone)	120	100000	UG/KG	10 U	15 U	12 U	16 U	12 U

Table 1. Summary of Volatile Organic Compounds in Soil, Sendero Verde Redevelopment Project, East Harlem, New York

			Sample Designation:	SB-3	SB-4	SB-4	SB-5	SB-5
			Sample Date:	05/01/2018	04/30/2018	05/01/2018	04/30/2018	05/02/2018
			Sample Depth (ft bls):	18	1	12.5	1	19
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	Unit					
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	--	UG/KG	10 U	15 U	12 U	16 U	12 U
Methylene Chloride	50	100000	UG/KG	10 U	15 U	12 U	16 U	12 U
Naphthalene	12000	100000	UG/KG	5.1 U	7.4 U	6.1 U	8.8	6.2 U
N-Butylbenzene	12000	100000	UG/KG	1 U	1.5 U	1.2 U	1.6 U	1.2 U
N-Propylbenzene	3900	100000	UG/KG	1 U	1.5 U	1.2 U	1.6 U	1.2 U
O-Xylene (1,2-Dimethylbenzene)	--	--	UG/KG	2 U	3 U	2.4 U	3.2 U	2.5 U
Sec-Butylbenzene	11000	100000	UG/KG	1 U	1.5 U	1.2 U	1.6 U	1.2 U
Styrene	--	--	UG/KG	2 U	3 U	2.4 U	3.2 U	2.5 U
T-Butylbenzene	5900	100000	UG/KG	5.1 U	7.4 U	6.1 U	7.9 U	6.2 U
Tert-Butyl Methyl Ether	930	100000	UG/KG	2 U	3 U	2.4 U	3.2 U	2.5 U
Tetrachloroethylene (PCE)	1300	19000	UG/KG	1 U	1.5 U	1.2 U	0.57 J	0.4 J
Toluene	700	100000	UG/KG	1.5 U	2.2 U	1.8 U	2.4 U	1.8 U
Total, 1,3-Dichloropropene (Cis And Trans)	--	--	UG/KG	1 U	1.5 U	1.2 U	1.6 U	1.2 U
Trans-1,2-Dichloroethene	190	100000	UG/KG	1.5 U	2.2 U	1.8 U	2.4 U	1.8 U
Trans-1,3-Dichloropropene	--	--	UG/KG	1 U	1.5 U	1.2 U	1.6 U	1.2 U
Trans-1,4-Dichloro-2-Butene	--	--	UG/KG	5.1 U	7.4 U	6.1 U	7.9 U	6.2 U
Trichloroethylene (TCE)	470	21000	UG/KG	1 U	1.5 U	1.2 U	1.6 U	1.2 U
Trichlorofluoromethane	--	--	UG/KG	5.1 U	7.4 U	6.1 U	7.9 U	6.2 U
Vinyl Acetate	--	--	UG/KG	10 U	15 U	12 U	16 U	12 U
Vinyl Chloride	20	900	UG/KG	2 U	3 U	2.4 U	3.2 U	2.5 U
Xylenes	260	100000	UG/KG	2 U	3 U	2.4 U	3.2 U	2.5 U

Table 1. Summary of Volatile Organic Compounds in Soil, Sendero Verde Redevelopment Project, East Harlem, New York

			Sample Designation:	SB-6	SB-6	SB-7	SB-7X	SB-8
			Sample Date:	04/30/2018	05/02/2018	04/30/2018	05/03/2018	04/30/2018
			Sample Depth (ft bls):	1	18	1	12.5	1
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	Unit					
1,1,1,2-Tetrachloroethane	--	--	UG/KG	1.3 U	1.2 U	1.3 U	0.96 U	0.95 U
1,1,1-Trichloroethane (TCA)	680	100000	UG/KG	1.3 U	1.2 U	1.3 U	0.96 U	0.95 U
1,1,2,2-Tetrachloroethane	--	--	UG/KG	1.3 U	1.2 U	1.3 U	0.96 U	0.95 U
1,1,2-Trichloroethane	--	--	UG/KG	2 U	1.8 U	1.9 U	1.4 U	1.4 U
1,1-Dichloroethane	270	26000	UG/KG	2 U	1.8 U	1.9 U	1.4 U	1.4 U
1,1-Dichloroethene	330	100000	UG/KG	1.3 U	1.2 U	1.3 U	0.96 U	0.95 U
1,1-Dichloropropene	--	--	UG/KG	6.6 U	6.1 U	6.5 U	4.8 U	4.7 U
1,2,3-Trichlorobenzene	--	--	UG/KG	6.6 U	6.1 U	6.5 U	4.8 U	4.7 U
1,2,3-Trichloropropane	--	--	UG/KG	13 U	12 U	13 U	9.6 U	9.5 U
1,2,4,5-Tetramethylbenzene	--	--	UG/KG	5.3 U	4.8 U	5.2 U	3.8 U	3.8 U
1,2,4-Trichlorobenzene	--	--	UG/KG	6.6 U	6.1 U	6.5 U	4.8 U	4.7 U
1,2,4-Trimethylbenzene	3600	52000	UG/KG	6.6 U	6.1 U	6.5 U	4.8 U	4.7 U
1,2-Dibromo-3-Chloropropane	--	--	UG/KG	6.6 U	6.1 U	6.5 U	4.8 U	4.7 U
1,2-Dibromoethane (Ethylene Dibromide)	--	--	UG/KG	5.3 U	4.8 U	5.2 U	3.8 U	3.8 U
1,2-Dichlorobenzene	1100	100000	UG/KG	6.6 U	6.1 U	6.5 U	4.8 U	4.7 U
1,2-Dichloroethane	20	3100	UG/KG	1.3 U	1.2 U	1.3 U	0.96 U	0.95 U
1,2-Dichloropropane	--	--	UG/KG	4.6 U	4.2 U	4.5 U	3.4 U	3.3 U
1,3,5-Trimethylbenzene (Mesitylene)	8400	52000	UG/KG	6.6 U	6.1 U	6.5 U	4.8 U	4.7 U
1,3-Dichlorobenzene	2400	49000	UG/KG	6.6 U	6.1 U	6.5 U	4.8 U	4.7 U
1,3-Dichloropropane	--	--	UG/KG	6.6 U	6.1 U	6.5 U	4.8 U	4.7 U
1,4-Dichlorobenzene	1800	13000	UG/KG	6.6 U	6.1 U	6.5 U	4.8 U	4.7 U
1,4-Diethyl Benzene	--	--	UG/KG	5.3 U	4.8 U	5.2 U	3.8 U	3.8 U
1,4-Dioxane (P-Dioxane)	100	13000	UG/KG	53 U	48 U	52 U	38 U	38 U
2,2-Dichloropropane	--	--	UG/KG	6.6 U	6.1 U	6.5 U	4.8 U	4.7 U
2-Chlorotoluene	--	--	UG/KG	6.6 U	6.1 U	6.5 U	4.8 U	4.7 U
2-Hexanone	--	--	UG/KG	13 U	12 U	13 U	9.6 U	9.5 U

Table 1. Summary of Volatile Organic Compounds in Soil, Sendero Verde Redevelopment Project, East Harlem, New York

			Sample Designation:	SB-6	SB-6	SB-7	SB-7X	SB-8
			Sample Date:	04/30/2018	05/02/2018	04/30/2018	05/03/2018	04/30/2018
			Sample Depth (ft bls):	1	18	1	12.5	1
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	Unit					
4-Chlorotoluene	--	--	UG/KG	6.6 U	6.1 U	6.5 U	4.8 U	4.7 U
4-Ethyltoluene	--	--	UG/KG	5.3 U	4.8 U	5.2 U	3.8 U	3.8 U
Acetone	50	100000	UG/KG	6.7 J	12 U	13 U	3.2 J	9.5 U
Acrylonitrile	--	--	UG/KG	13 U	12 U	13 U	9.6 U	9.5 U
Benzene	60	4800	UG/KG	1.3 U	1.2 U	1.3 U	0.96 U	0.95 U
Bromobenzene	--	--	UG/KG	6.6 U	6.1 U	6.5 U	4.8 U	4.7 U
Bromochloromethane	--	--	UG/KG	6.6 U	6.1 U	6.5 U	4.8 U	4.7 U
Bromodichloromethane	--	--	UG/KG	1.3 U	1.2 U	1.3 U	0.96 U	0.95 U
Bromoform	--	--	UG/KG	5.3 U	4.8 U	5.2 U	3.8 U	3.8 U
Bromomethane	--	--	UG/KG	2.6 U	2.4 U	2.6 U	1.9 U	1.9 U
Carbon Disulfide	--	--	UG/KG	13 U	12 U	13 U	9.6 U	9.5 U
Carbon Tetrachloride	760	2400	UG/KG	1.3 U	1.2 U	1.3 U	0.96 U	0.95 U
Chlorobenzene	1100	100000	UG/KG	1.3 U	1.2 U	1.3 U	0.96 U	0.95 U
Chloroethane	--	--	UG/KG	2.6 U	2.4 U	2.6 U	1.9 U	1.9 U
Chloroform	370	49000	UG/KG	2 U	5.5	1.9 U	0.43 J	1.4 U
Chloromethane	--	--	UG/KG	6.6 U	6.1 U	6.5 U	4.8 U	4.7 U
Cis-1,2-Dichloroethylene	250	100000	UG/KG	1.3 U	1.2 U	1.3 U	0.96 U	0.95 U
Cis-1,3-Dichloropropene	--	--	UG/KG	1.3 U	1.2 U	1.3 U	0.96 U	0.95 U
Cymene	--	--	UG/KG	1.3 U	1.2 U	1.3 U	0.96 U	0.95 U
Dibromochloromethane	--	--	UG/KG	1.3 U	1.2 U	1.3 U	0.96 U	0.95 U
Dibromomethane	--	--	UG/KG	13 U	12 U	13 U	9.6 U	9.5 U
Dichlorodifluoromethane	--	--	UG/KG	13 U	12 U	13 U	9.6 U	9.5 U
Dichloroethylenes	--	--	UG/KG	1.3 U	1.2 U	1.3 U	0.96 U	0.95 U
Diethyl Ether (Ethyl Ether)	--	--	UG/KG	6.6 U	6.1 U	6.5 U	4.8 U	4.7 U
Ethylbenzene	1000	41000	UG/KG	1.3 U	1.2 U	1.3 U	0.96 U	0.95 U
Hexachlorobutadiene	--	--	UG/KG	6.6 U	6.1 U	6.5 U	4.8 U	4.7 U
Isopropylbenzene (Cumene)	--	--	UG/KG	1.3 U	1.2 U	1.3 U	0.96 U	0.95 U
m,p-Xylene	--	--	UG/KG	2.6 U	2.4 U	2.6 U	1.9 U	1.9 U
Methyl Ethyl Ketone (2-Butanone)	120	100000	UG/KG	13 U	12 U	13 U	9.6 U	9.5 U

Table 1. Summary of Volatile Organic Compounds in Soil, Sendero Verde Redevelopment Project, East Harlem, New York

			Sample Designation:	SB-6	SB-6	SB-7	SB-7X	SB-8
			Sample Date:	04/30/2018	05/02/2018	04/30/2018	05/03/2018	04/30/2018
			Sample Depth (ft bls):	1	18	1	12.5	1
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	Unit					
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	--	UG/KG	13 U	12 U	13 U	9.6 U	9.5 U
Methylene Chloride	50	100000	UG/KG	13 U	12 U	13 U	9.6 U	9.5 U
Naphthalene	12000	100000	UG/KG	0.2 J	6.1 U	6.5 U	4.8 U	4.7 U
N-Butylbenzene	12000	100000	UG/KG	1.3 U	1.2 U	1.3 U	0.96 U	0.95 U
N-Propylbenzene	3900	100000	UG/KG	1.3 U	1.2 U	1.3 U	0.96 U	0.95 U
O-Xylene (1,2-Dimethylbenzene)	--	--	UG/KG	2.6 U	2.4 U	2.6 U	1.9 U	1.9 U
Sec-Butylbenzene	11000	100000	UG/KG	1.3 U	1.2 U	1.3 U	0.96 U	0.95 U
Styrene	--	--	UG/KG	2.6 U	2.4 U	2.6 U	1.9 U	1.9 U
T-Butylbenzene	5900	100000	UG/KG	6.6 U	6.1 U	6.5 U	4.8 U	4.7 U
Tert-Butyl Methyl Ether	930	100000	UG/KG	2.6 U	2.4 U	2.6 U	1.9 U	1.9 U
Tetrachloroethylene (PCE)	1300	19000	UG/KG	0.73 J	1.2 U	1.3 U	0.96 U	0.95 U
Toluene	700	100000	UG/KG	2 U	1.8 U	1.9 U	1.4 U	1.4 U
Total, 1,3-Dichloropropene (Cis And Trans)	--	--	UG/KG	1.3 U	1.2 U	1.3 U	0.96 U	0.95 U
Trans-1,2-Dichloroethene	190	100000	UG/KG	2 U	1.8 U	1.9 U	1.4 U	1.4 U
Trans-1,3-Dichloropropene	--	--	UG/KG	1.3 U	1.2 U	1.3 U	0.96 U	0.95 U
Trans-1,4-Dichloro-2-Butene	--	--	UG/KG	6.6 U	6.1 U	6.5 U	4.8 U	4.7 U
Trichloroethylene (TCE)	470	21000	UG/KG	1.3 U	1.2 U	1.3 U	0.96 U	0.95 U
Trichlorofluoromethane	--	--	UG/KG	6.6 U	6.1 U	6.5 U	4.8 U	4.7 U
Vinyl Acetate	--	--	UG/KG	13 U	12 U	13 U	9.6 U	9.5 U
Vinyl Chloride	20	900	UG/KG	2.6 U	2.4 U	2.6 U	1.9 U	1.9 U
Xylenes	260	100000	UG/KG	2.6 U	2.4 U	2.6 U	1.9 U	1.9 U

Table 1. Summary of Volatile Organic Compounds in Soil, Sendero Verde Redevelopment Project, East Harlem, New York

			Sample Designation:	SB-8	SB-9	SB-9	SB-10	SB-10
			Sample Date:	05/03/2018	05/01/2018	05/03/2018	05/01/2018	05/01/2018
			Sample Depth (ft bls):	19	1	16	1	16
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	Unit					
1,1,1,2-Tetrachloroethane	--	--	UG/KG	1.2 U	1.5 U	1.2 U	1.4 U	1.1 U
1,1,1-Trichloroethane (TCA)	680	100000	UG/KG	1.2 U	1.5 U	1.2 U	1.4 U	1.1 U
1,1,2,2-Tetrachloroethane	--	--	UG/KG	1.2 U	1.5 U	1.2 U	1.4 U	1.1 U
1,1,2-Trichloroethane	--	--	UG/KG	1.7 U	2.3 U	1.8 U	2.1 U	1.7 U
1,1-Dichloroethane	270	26000	UG/KG	1.7 U	2.3 U	1.8 U	2.1 U	1.7 U
1,1-Dichloroethene	330	100000	UG/KG	1.2 U	1.5 U	1.2 U	1.4 U	1.1 U
1,1-Dichloropropene	--	--	UG/KG	5.8 U	7.5 U	6 U	7.1 U	5.7 U
1,2,3-Trichlorobenzene	--	--	UG/KG	5.8 U	7.5 U	6 U	7.1 U	5.7 U
1,2,3-Trichloropropane	--	--	UG/KG	12 U	15 U	12 U	14 U	11 U
1,2,4,5-Tetramethylbenzene	--	--	UG/KG	4.6 U	6 U	4.8 U	5.7 U	4.5 U
1,2,4-Trichlorobenzene	--	--	UG/KG	5.8 U	7.5 U	6 U	7.1 U	5.7 U
1,2,4-Trimethylbenzene	3600	52000	UG/KG	5.8 U	7.5 U	6 U	7.1 U	5.7 U
1,2-Dibromo-3-Chloropropane	--	--	UG/KG	5.8 U	7.5 U	6 U	7.1 U	5.7 U
1,2-Dibromoethane (Ethylene Dibromide)	--	--	UG/KG	4.6 U	6 U	4.8 U	5.7 U	4.5 U
1,2-Dichlorobenzene	1100	100000	UG/KG	5.8 U	7.5 U	6 U	7.1 U	5.7 U
1,2-Dichloroethane	20	3100	UG/KG	1.2 U	1.5 U	1.2 U	1.4 U	1.1 U
1,2-Dichloropropane	--	--	UG/KG	4 U	5.3 U	4.2 U	5 U	4 U
1,3,5-Trimethylbenzene (Mesitylene)	8400	52000	UG/KG	5.8 U	7.5 U	6 U	7.1 U	5.7 U
1,3-Dichlorobenzene	2400	49000	UG/KG	5.8 U	7.5 U	6 U	7.1 U	5.7 U
1,3-Dichloropropane	--	--	UG/KG	5.8 U	7.5 U	6 U	7.1 U	5.7 U
1,4-Dichlorobenzene	1800	13000	UG/KG	5.8 U	7.5 U	6 U	7.1 U	5.7 U
1,4-Diethyl Benzene	--	--	UG/KG	4.6 U	6 U	4.8 U	5.7 U	4.5 U
1,4-Dioxane (P-Dioxane)	100	13000	UG/KG	46 U	60 U	48 U	57 U	45 U
2,2-Dichloropropane	--	--	UG/KG	5.8 U	7.5 U	6 U	7.1 U	5.7 U
2-Chlorotoluene	--	--	UG/KG	5.8 U	7.5 U	6 U	7.1 U	5.7 U
2-Hexanone	--	--	UG/KG	12 U	15 U	12 U	14 U	11 U

Table 1. Summary of Volatile Organic Compounds in Soil, Sendero Verde Redevelopment Project, East Harlem, New York

			Sample Designation:	SB-8	SB-9	SB-9	SB-10	SB-10
			Sample Date:	05/03/2018	05/01/2018	05/03/2018	05/01/2018	05/01/2018
			Sample Depth (ft bls):	19	1	16	1	16
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	Unit					
4-Chlorotoluene	--	--	UG/KG	5.8 U	7.5 U	6 U	7.1 U	5.7 U
4-Ethyltoluene	--	--	UG/KG	4.6 U	6 U	4.8 U	5.7 U	4.5 U
Acetone	50	100000	UG/KG	16	15 U	5.6 J	9.4 J	25
Acrylonitrile	--	--	UG/KG	12 U	15 U	12 U	14 U	11 U
Benzene	60	4800	UG/KG	1.2 U	1.5 U	1.2 U	1.4 U	1.1 U
Bromobenzene	--	--	UG/KG	5.8 U	7.5 U	6 U	7.1 U	5.7 U
Bromochloromethane	--	--	UG/KG	5.8 U	7.5 U	6 U	7.1 U	5.7 U
Bromodichloromethane	--	--	UG/KG	1.2 U	1.5 U	1.2 U	1.4 U	1.1 U
Bromoform	--	--	UG/KG	4.6 U	6 U	4.8 U	5.7 U	4.5 U
Bromomethane	--	--	UG/KG	2.3 U	3 U	2.4 U	2.8 U	2.3 U
Carbon Disulfide	--	--	UG/KG	12 U	15 U	12 U	14 U	11 U
Carbon Tetrachloride	760	2400	UG/KG	1.2 U	1.5 U	1.2 U	1.4 U	1.1 U
Chlorobenzene	1100	100000	UG/KG	1.2 U	1.5 U	1.2 U	1.4 U	1.1 U
Chloroethane	--	--	UG/KG	2.3 U	3 U	2.4 U	2.8 U	2.3 U
Chloroform	370	49000	UG/KG	6	2.3 U	0.58 J	2.1 U	1.7
Chloromethane	--	--	UG/KG	5.8 U	7.5 U	6 U	7.1 U	5.7 U
Cis-1,2-Dichloroethylene	250	100000	UG/KG	1.2 U	1.5 U	1.2 U	1.4 U	1.1 U
Cis-1,3-Dichloropropene	--	--	UG/KG	1.2 U	1.5 U	1.2 U	1.4 U	1.1 U
Cymene	--	--	UG/KG	1.2 U	1.5 U	1.2 U	1.4 U	1.1 U
Dibromochloromethane	--	--	UG/KG	1.2 U	1.5 U	1.2 U	1.4 U	1.1 U
Dibromomethane	--	--	UG/KG	12 U	15 U	12 U	14 U	11 U
Dichlorodifluoromethane	--	--	UG/KG	12 U	15 U	12 U	14 U	11 U
Dichloroethylenes	--	--	UG/KG	1.2 U	1.5 U	1.2 U	1.4 U	1.1 U
Diethyl Ether (Ethyl Ether)	--	--	UG/KG	5.8 U	7.5 U	6 U	7.1 U	5.7 U
Ethylbenzene	1000	41000	UG/KG	1.2 U	1.5 U	1.2 U	1.4 U	1.1 U
Hexachlorobutadiene	--	--	UG/KG	5.8 U	7.5 U	6 U	7.1 U	5.7 U
Isopropylbenzene (Cumene)	--	--	UG/KG	1.2 U	1.5 U	1.2 U	1.4 U	1.1 U
m,p-Xylene	--	--	UG/KG	2.3 U	3 U	2.4 U	2.8 U	2.3 U
Methyl Ethyl Ketone (2-Butanone)	120	100000	UG/KG	12 U	15 U	12 U	14 U	11 U

Table 1. Summary of Volatile Organic Compounds in Soil, Sendero Verde Redevelopment Project, East Harlem, New York

			Sample Designation:	SB-8	SB-9	SB-9	SB-10	SB-10
			Sample Date:	05/03/2018	05/01/2018	05/03/2018	05/01/2018	05/01/2018
			Sample Depth (ft bls):	19	1	16	1	16
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	Unit					
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	--	UG/KG	12 U	15 U	12 U	14 U	11 U
Methylene Chloride	50	100000	UG/KG	2.5 J	15 U	12 U	14 U	11 U
Naphthalene	12000	100000	UG/KG	5.8 U	7.5 U	6 U	7.1 U	5.7 U
N-Butylbenzene	12000	100000	UG/KG	1.2 U	1.5 U	1.2 U	1.4 U	1.1 U
N-Propylbenzene	3900	100000	UG/KG	1.2 U	1.5 U	1.2 U	1.4 U	1.1 U
O-Xylene (1,2-Dimethylbenzene)	--	--	UG/KG	2.3 U	3 U	2.4 U	2.8 U	2.3 U
Sec-Butylbenzene	11000	100000	UG/KG	1.2 U	1.5 U	1.2 U	1.4 U	1.1 U
Styrene	--	--	UG/KG	2.3 U	3 U	2.4 U	2.8 U	2.3 U
T-Butylbenzene	5900	100000	UG/KG	5.8 U	7.5 U	6 U	7.1 U	5.7 U
Tert-Butyl Methyl Ether	930	100000	UG/KG	2.3 U	3 U	2.4 U	2.8 U	2.3 U
Tetrachloroethylene (PCE)	1300	19000	UG/KG	1.2 U	1.5 U	1.2 U	1.4 U	1.1 U
Toluene	700	100000	UG/KG	1.7 U	2.3 U	1.8 U	2.1 U	1.7 U
Total, 1,3-Dichloropropene (Cis And Trans)	--	--	UG/KG	1.2 U	1.5 U	1.2 U	1.4 U	1.1 U
Trans-1,2-Dichloroethene	190	100000	UG/KG	1.7 U	2.3 U	1.8 U	2.1 U	1.7 U
Trans-1,3-Dichloropropene	--	--	UG/KG	1.2 U	1.5 U	1.2 U	1.4 U	1.1 U
Trans-1,4-Dichloro-2-Butene	--	--	UG/KG	5.8 U	7.5 U	6 U	7.1 U	5.7 U
Trichloroethylene (TCE)	470	21000	UG/KG	1.2 U	1.5 U	1.2 U	1.4 U	1.1 U
Trichlorofluoromethane	--	--	UG/KG	5.8 U	7.5 U	6 U	7.1 U	5.7 U
Vinyl Acetate	--	--	UG/KG	12 U	15 U	12 U	14 U	11 U
Vinyl Chloride	20	900	UG/KG	2.3 U	3 U	2.4 U	2.8 U	2.3 U
Xylenes	260	100000	UG/KG	2.3 U	3 U	2.4 U	2.8 U	2.3 U

Table 1. Summary of Volatile Organic Compounds in Soil, Sendero Verde Redevelopment Project, East Harlem, New York

			Sample Designation:	SB-11	SB-11	SB-12	SB-12
			Sample Date:	05/01/2018	05/04/2018	04/30/2018	05/04/2018
			Sample Depth (ft bls):	1	8	1	18
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	Unit				
1,1,1,2-Tetrachloroethane	--	--	UG/KG	2.2 U	1.5 U	1.4 U	1.4 U
1,1,1-Trichloroethane (TCA)	680	100000	UG/KG	2.2 U	1.5 U	1.4 U	1.4 U
1,1,2,2-Tetrachloroethane	--	--	UG/KG	2.2 U	1.5 U	1.4 U	1.4 U
1,1,2-Trichloroethane	--	--	UG/KG	3.3 U	2.3 U	2.1 U	2.1 U
1,1-Dichloroethane	270	26000	UG/KG	3.3 U	2.3 U	2.1 U	2.1 U
1,1-Dichloroethene	330	100000	UG/KG	2.2 U	1.5 U	1.4 U	1.4 U
1,1-Dichloropropene	--	--	UG/KG	11 U	7.6 U	7.2 U	7 U
1,2,3-Trichlorobenzene	--	--	UG/KG	11 U	7.6 U	7.2 U	7 U
1,2,3-Trichloropropane	--	--	UG/KG	22 U	15 U	14 U	14 U
1,2,4,5-Tetramethylbenzene	--	--	UG/KG	8.7 U	6.1 U	5.7 U	5.6 U
1,2,4-Trichlorobenzene	--	--	UG/KG	11 U	7.6 U	7.2 U	7 U
1,2,4-Trimethylbenzene	3600	52000	UG/KG	11 U	7.6 U	7.2 U	7 U
1,2-Dibromo-3-Chloropropane	--	--	UG/KG	11 U	7.6 U	7.2 U	7 U
1,2-Dibromoethane (Ethylene Dibromide)	--	--	UG/KG	8.7 U	6.1 U	5.7 U	5.6 U
1,2-Dichlorobenzene	1100	100000	UG/KG	11 U	7.6 U	7.2 U	7 U
1,2-Dichloroethane	20	3100	UG/KG	2.2 U	1.5 U	1.4 U	1.4 U
1,2-Dichloropropane	--	--	UG/KG	7.6 U	5.3 U	5 U	4.9 U
1,3,5-Trimethylbenzene (Mesitylene)	8400	52000	UG/KG	11 U	7.6 U	7.2 U	7 U
1,3-Dichlorobenzene	2400	49000	UG/KG	11 U	7.6 U	7.2 U	7 U
1,3-Dichloropropane	--	--	UG/KG	11 U	7.6 U	7.2 U	7 U
1,4-Dichlorobenzene	1800	13000	UG/KG	11 U	7.6 U	7.2 U	7 U
1,4-Diethyl Benzene	--	--	UG/KG	8.7 U	6.1 U	5.7 U	5.6 U
1,4-Dioxane (P-Dioxane)	100	13000	UG/KG	87 U	61 U	57 U	56 U
2,2-Dichloropropane	--	--	UG/KG	11 U	7.6 U	7.2 U	7 U
2-Chlorotoluene	--	--	UG/KG	11 U	7.6 U	7.2 U	7 U
2-Hexanone	--	--	UG/KG	22 U	15 U	14 U	14 U

Table 1. Summary of Volatile Organic Compounds in Soil, Sendero Verde Redevelopment Project, East Harlem, New York

			Sample Designation:	SB-11	SB-11	SB-12	SB-12
			Sample Date:	05/01/2018	05/04/2018	04/30/2018	05/04/2018
			Sample Depth (ft bls):	1	8	1	18
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	Unit				
4-Chlorotoluene	--	--	UG/KG	11 U	7.6 U	7.2 U	7 U
4-Ethyltoluene	--	--	UG/KG	8.7 U	6.1 U	5.7 U	5.6 U
Acetone	50	100000	UG/KG	18 J	15 U	14 U	4.6 J
Acrylonitrile	--	--	UG/KG	22 U	15 U	14 U	14 U
Benzene	60	4800	UG/KG	2.2 U	1.5 U	1.4 U	1.4 U
Bromobenzene	--	--	UG/KG	11 U	7.6 U	7.2 U	7 U
Bromochloromethane	--	--	UG/KG	11 U	7.6 U	7.2 U	7 U
Bromodichloromethane	--	--	UG/KG	2.2 U	1.5 U	1.4 U	1.4 U
Bromoform	--	--	UG/KG	8.7 U	6.1 U	5.7 U	5.6 U
Bromomethane	--	--	UG/KG	4.4 U	3 U	2.9 U	2.8 U
Carbon Disulfide	--	--	UG/KG	22 U	15 U	14 U	14 U
Carbon Tetrachloride	760	2400	UG/KG	2.2 U	1.5 U	1.4 U	1.4 U
Chlorobenzene	1100	100000	UG/KG	2.2 U	1.5 U	1.4 U	1.4 U
Chloroethane	--	--	UG/KG	4.4 U	3 U	2.9 U	2.8 U
Chloroform	370	49000	UG/KG	3.3 U	2.3 U	2.1 U	2 J
Chloromethane	--	--	UG/KG	11 U	7.6 U	7.2 U	7 U
Cis-1,2-Dichloroethylene	250	100000	UG/KG	2.2 U	1.5 U	1.4 U	1.4 U
Cis-1,3-Dichloropropene	--	--	UG/KG	2.2 U	1.5 U	1.4 U	1.4 U
Cymene	--	--	UG/KG	2.2 U	1.5 U	1.4 U	1.4 U
Dibromochloromethane	--	--	UG/KG	2.2 U	1.5 U	1.4 U	1.4 U
Dibromomethane	--	--	UG/KG	22 U	15 U	14 U	14 U
Dichlorodifluoromethane	--	--	UG/KG	22 U	15 U	14 U	14 U
Dichloroethylenes	--	--	UG/KG	2.2 U	1.5 U	1.4 U	1.4 U
Diethyl Ether (Ethyl Ether)	--	--	UG/KG	11 U	7.6 U	7.2 U	7 U
Ethylbenzene	1000	41000	UG/KG	2.2 U	1.5 U	1.4 U	1.4 U
Hexachlorobutadiene	--	--	UG/KG	11 U	7.6 U	7.2 U	7 U
Isopropylbenzene (Cumene)	--	--	UG/KG	2.2 U	1.5 U	1.4 U	1.4 U
m,p-Xylene	--	--	UG/KG	4.4 U	3 U	2.9 U	2.8 U
Methyl Ethyl Ketone (2-Butanone)	120	100000	UG/KG	22 U	15 U	14 U	14 U

Table 1. Summary of Volatile Organic Compounds in Soil, Sendero Verde Redevelopment Project, East Harlem, New York

Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	Unit	Sample Designation: SB-11	SB-11	SB-12	SB-12
				Sample Date: 05/01/2018	05/04/2018	04/30/2018	05/04/2018
				Sample Depth (ft bls): 1	8	1	18
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	--	UG/KG	22 U	15 U	14 U	14 U
Methylene Chloride	50	100000	UG/KG	22 U	15 U	14 U	14 U
Naphthalene	12000	100000	UG/KG	11 U	7.6 U	7.2 U	7 U
N-Butylbenzene	12000	100000	UG/KG	2.2 U	1.5 U	1.4 U	1.4 U
N-Propylbenzene	3900	100000	UG/KG	2.2 U	1.5 U	1.4 U	1.4 U
O-Xylene (1,2-Dimethylbenzene)	--	--	UG/KG	4.4 U	3 U	2.9 U	2.8 U
Sec-Butylbenzene	11000	100000	UG/KG	2.2 U	1.5 U	1.4 U	1.4 U
Styrene	--	--	UG/KG	4.4 U	3 U	2.9 U	2.8 U
T-Butylbenzene	5900	100000	UG/KG	11 U	7.6 U	7.2 U	7 U
Tert-Butyl Methyl Ether	930	100000	UG/KG	4.4 U	3 U	2.9 U	2.8 U
Tetrachloroethylene (PCE)	1300	19000	UG/KG	2.2 U	1.5 U	1.4 U	1.4 U
Toluene	700	100000	UG/KG	3.3 U	2.3 U	2.1 U	2.1 U
Total, 1,3-Dichloropropene (Cis And Trans)	--	--	UG/KG	2.2 U	1.5 U	1.4 U	1.4 U
Trans-1,2-Dichloroethene	190	100000	UG/KG	3.3 U	2.3 U	2.1 U	2.1 U
Trans-1,3-Dichloropropene	--	--	UG/KG	2.2 U	1.5 U	1.4 U	1.4 U
Trans-1,4-Dichloro-2-Butene	--	--	UG/KG	11 U	7.6 U	7.2 U	7 U
Trichloroethylene (TCE)	470	21000	UG/KG	2.2 U	1.5 U	1.4 U	1.4 U
Trichlorofluoromethane	--	--	UG/KG	11 U	7.6 U	7.2 U	7 U
Vinyl Acetate	--	--	UG/KG	22 U	15 U	14 U	14 U
Vinyl Chloride	20	900	UG/KG	4.4 U	3 U	2.9 U	2.8 U
Xylenes	260	100000	UG/KG	4.4 U	3 U	2.9 U	2.8 U

Table 2. Summary of Semivolatile Organic Compounds in Soil, Sendero Verde Redevelopment Project, East Harlem, New York

			Sample Designation:	SB-1	SB-1	SB-2	SB-2	SB-3
			Sample Date:	05/01/2018	05/02/2018	05/01/2018	05/02/2018	04/30/2018
			Sample Depth (ft bls):	0 - 2	12 - 14	0 - 2	17.5 - 19.5	0 - 2
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	Unit					
1,2,4,5-Tetrachlorobenzene	--	--	UG/KG	200 U	180 U	250 U	200 U	190 U
1,2,4-Trichlorobenzene	--	--	UG/KG	200 U	180 U	250 U	200 U	190 U
1,2-Dichlorobenzene	1100	100000	UG/KG	200 U	180 U	250 U	200 U	190 U
1,3-Dichlorobenzene	2400	49000	UG/KG	200 U	180 U	250 U	200 U	190 U
1,4-Dichlorobenzene	1800	13000	UG/KG	200 U	180 U	250 U	200 U	190 U
2,4,5-Trichlorophenol	--	--	UG/KG	200 U	180 U	250 U	200 U	190 U
2,4,6-Trichlorophenol	--	--	UG/KG	120 U	110 U	150 U	120 U	120 U
2,4-Dichlorophenol	--	--	UG/KG	180 U	170 U	230 U	180 U	170 U
2,4-Dimethylphenol	--	--	UG/KG	200 U	180 U	250 U	200 U	190 U
2,4-Dinitrophenol	--	--	UG/KG	950 U	890 U	1200 U	960 U	920 U
2,4-Dinitrotoluene	--	--	UG/KG	200 U	180 U	250 U	200 U	190 U
2,6-Dinitrotoluene	--	--	UG/KG	200 U	180 U	250 U	200 U	190 U
2-Chloronaphthalene	--	--	UG/KG	200 U	180 U	250 U	200 U	190 U
2-Chlorophenol	--	--	UG/KG	200 U	180 U	250 U	200 U	190 U
2-Methylnaphthalene	--	--	UG/KG	61 J	37 J	300 U	240 U	230 U
2-Methylphenol (O-Cresol)	330	100000	UG/KG	200 U	180 U	250 U	200 U	190 U
2-Nitroaniline	--	--	UG/KG	200 U	180 U	250 U	200 U	190 U
2-Nitrophenol	--	--	UG/KG	430 U	400 U	550 U	430 U	420 U
3- And 4- Methylphenol (Total)	330	100000	UG/KG	80 J	43 J	370 U	290 U	280 U
3,3'-Dichlorobenzidine	--	--	UG/KG	200 U	180 U	250 U	200 U	190 U
3-Nitroaniline	--	--	UG/KG	200 U	180 U	250 U	200 U	190 U
4,6-Dinitro-2-Methylphenol	--	--	UG/KG	520 U	480 U	660 U	520 U	500 U
4-Bromophenyl Phenyl Ether	--	--	UG/KG	200 U	180 U	250 U	200 U	190 U
4-Chloro-3-Methylphenol	--	--	UG/KG	200 U	180 U	250 U	200 U	190 U
4-Chloroaniline	--	--	UG/KG	200 U	180 U	250 U	200 U	190 U
4-Chlorophenyl Phenyl Ether	--	--	UG/KG	200 U	180 U	250 U	200 U	190 U
4-Nitroaniline	--	--	UG/KG	200 U	180 U	250 U	200 U	190 U
4-Nitrophenol	--	--	UG/KG	280 U	260 U	360 U	280 U	270 U
Acenaphthene	20000	100000	UG/KG	100 J	25 J	200 U	160 U	150 U
Acenaphthylene	100000	100000	UG/KG	1300	1000	120 J	160 U	110 J
Acetophenone	--	--	UG/KG	200 U	180 U	76 J	200 U	190 U
Anthracene	100000	100000	UG/KG	930	420	93 J	120 U	79 J
Benzo(A)Anthracene	**1000**	1000	UG/KG	**3200**	**1800**	380	120 U	290
Benzo(A)Pyrene	**1000**	1000	UG/KG	**2800**	**2000**	370	160 U	290
Benzo(B)Fluoranthene	**1000**	1000	UG/KG	**4400**	**3000**	570	120 U	380

Table 2. Summary of Semivolatile Organic Compounds in Soil, Sendero Verde Redevelopment Project, East Harlem, New York

			Sample Designation:	SB-1	SB-1	SB-2	SB-2	SB-3
			Sample Date:	05/01/2018	05/02/2018	05/01/2018	05/02/2018	04/30/2018
			Sample Depth (ft bls):	0 - 2	12 - 14	0 - 2	17.5 - 19.5	0 - 2
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	Unit					
Benzo(G,H,I)Perylene	100000	100000	UG/KG	1600	1700	270	160 U	250
Benzo(K)Fluoranthene	**800**	3900	UG/KG	**1300**	**1100**	190	120 U	140
Benzoic Acid	--	--	UG/KG	640 U	600 U	820 U	650 U	620 U
Benzyl Alcohol	--	--	UG/KG	200 U	180 U	250 U	200 U	190 U
Benzyl Butyl Phthalate	--	--	UG/KG	72 J	180 U	160 J	200 U	190 U
Biphenyl (Diphenyl)	--	--	UG/KG	450 U	420 U	580 U	460 U	440 U
Bis(2-Chloroethoxy) Methane	--	--	UG/KG	210 U	200 U	270 U	220 U	210 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	--	--	UG/KG	180 U	170 U	230 U	180 U	170 U
Bis(2-Chloroisopropyl) Ether	--	--	UG/KG	240 U	220 U	300 U	240 U	230 U
Bis(2-Ethylhexyl) Phthalate	--	--	UG/KG	390	180	520	200 U	360
Carbazole	--	--	UG/KG	470	280	52 J	200 U	42 J
Chrysene	**1000**	3900	UG/KG	**3400**	**2100**	460	120 U	290
Dibenz(A,H)Anthracene	**330**	330	UG/KG	**500**	**370**	64 J	120 U	50 J
Dibenzofuran	7000	59000	UG/KG	140 J	49 J	250 U	200 U	190 U
Diethyl Phthalate	--	--	UG/KG	200 U	180 U	250 U	200 U	190 U
Dimethyl Phthalate	--	--	UG/KG	200 U	180 U	250 U	200 U	190 U
Di-N-Butyl Phthalate	--	--	UG/KG	200 U	180 U	90 J	200 U	190 U
Di-N-Octylphthalate	--	--	UG/KG	200 U	180 U	250 U	200 U	190 U
Fluoranthene	100000	100000	UG/KG	5100	3700	620	120 U	530
Fluorene	30000	100000	UG/KG	220	86 J	250 U	200 U	21 J
Hexachlorobenzene	330	1200	UG/KG	120 U	110 U	150 U	120 U	120 U
Hexachlorobutadiene	--	--	UG/KG	200 U	180 U	250 U	200 U	190 U
Hexachlorocyclopentadiene	--	--	UG/KG	570 U	530 U	730 U	580 U	550 U
Hexachloroethane	--	--	UG/KG	160 U	150 U	200 U	160 U	150 U
Indeno(1,2,3-C,D)Pyrene	**500**	500	UG/KG	**2000**	**1800**	270	160 U	250
Isophorone	--	--	UG/KG	180 U	170 U	230 U	180 U	170 U
Naphthalene	12000	100000	UG/KG	110 J	44 J	250 U	200 U	190 U
Nitrobenzene	--	--	UG/KG	180 U	170 U	230 U	180 U	170 U
N-Nitrosodi-N-Propylamine	--	--	UG/KG	200 U	180 U	250 U	200 U	190 U
N-Nitrosodiphenylamine	--	--	UG/KG	160 U	150 U	200 U	160 U	150 U
Pentachlorophenol	800	6700	UG/KG	160 U	150 U	200 U	160 U	150 U
Phenanthrene	100000	100000	UG/KG	3200	1400	250	120 U	240
Phenol	330	100000	UG/KG	54 J	180 U	250 U	200 U	190 U
Pyrene	100000	100000	UG/KG	4300	3000	580	120 U	460

Table 2. Summary of Semivolatile Organic Compounds in Soil, Sendero Verde Redevelopment Project, East Harlem, New York

			Sample Designation:	SB-3	SB-4	SB-4	SB-5	SB-5
			Sample Date:	05/01/2018	04/30/2018	05/01/2018	04/30/2018	05/02/2018
			Sample Depth (ft bls):	17 - 19	0 - 2	11 - 13	0 - 2	18 - 20
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	Unit					
1,2,4,5-Tetrachlorobenzene	--	--	UG/KG	190 U	200 U	190 U	210 U	200 U
1,2,4-Trichlorobenzene	--	--	UG/KG	190 U	200 U	190 U	210 U	200 U
1,2-Dichlorobenzene	1100	100000	UG/KG	190 U	200 U	190 U	210 U	200 U
1,3-Dichlorobenzene	2400	49000	UG/KG	190 U	200 U	190 U	210 U	200 U
1,4-Dichlorobenzene	1800	13000	UG/KG	190 U	200 U	190 U	210 U	200 U
2,4,5-Trichlorophenol	--	--	UG/KG	190 U	200 U	190 U	210 U	200 U
2,4,6-Trichlorophenol	--	--	UG/KG	110 U	120 U	110 U	120 U	120 U
2,4-Dichlorophenol	--	--	UG/KG	170 U	180 U	170 U	190 U	180 U
2,4-Dimethylphenol	--	--	UG/KG	190 U	200 U	190 U	210 U	200 U
2,4-Dinitrophenol	--	--	UG/KG	910 U	960 U	910 U	1000 U	960 U
2,4-Dinitrotoluene	--	--	UG/KG	190 U	200 U	190 U	210 U	200 U
2,6-Dinitrotoluene	--	--	UG/KG	190 U	200 U	190 U	210 U	200 U
2-Chloronaphthalene	--	--	UG/KG	190 U	200 U	190 U	210 U	200 U
2-Chlorophenol	--	--	UG/KG	190 U	200 U	190 U	210 U	200 U
2-Methylnaphthalene	--	--	UG/KG	230 U	32 J	62 J	360	240 U
2-Methylphenol (O-Cresol)	330	100000	UG/KG	190 U	200 U	190 U	210 U	200 U
2-Nitroaniline	--	--	UG/KG	190 U	200 U	190 U	210 U	200 U
2-Nitrophenol	--	--	UG/KG	410 U	430 U	410 U	450 U	430 U
3- And 4- Methylphenol (Total)	330	100000	UG/KG	270 U	290 U	270 U	88 J	290 U
3,3'-Dichlorobenzidine	--	--	UG/KG	190 U	200 U	190 U	210 U	200 U
3-Nitroaniline	--	--	UG/KG	190 U	200 U	190 U	210 U	200 U
4,6-Dinitro-2-Methylphenol	--	--	UG/KG	490 U	520 U	490 U	540 U	520 U
4-Bromophenyl Phenyl Ether	--	--	UG/KG	190 U	200 U	190 U	210 U	200 U
4-Chloro-3-Methylphenol	--	--	UG/KG	190 U	200 U	190 U	210 U	200 U
4-Chloroaniline	--	--	UG/KG	190 U	200 U	190 U	210 U	200 U
4-Chlorophenyl Phenyl Ether	--	--	UG/KG	190 U	200 U	190 U	210 U	200 U
4-Nitroaniline	--	--	UG/KG	190 U	200 U	190 U	210 U	200 U
4-Nitrophenol	--	--	UG/KG	260 U	280 U	260 U	290 U	280 U
Acenaphthene	20000	100000	UG/KG	150 U	190	320	570	160 U
Acenaphthylene	100000	100000	UG/KG	150 U	200	310	3600	160 U
Acetophenone	--	--	UG/KG	190 U	200 U	190 U	210 U	200 U
Anthracene	100000	100000	UG/KG	110 U	840	1000	2200	120 U
Benzo(A)Anthracene	**1000**	1000	UG/KG	110 U	**2500**	**2100**	**6000**	120 U
Benzo(A)Pyrene	**1000**	1000	UG/KG	150 U	**2300**	**1700**	**6200**	160 U
Benzo(B)Fluoranthene	**1000**	1000	UG/KG	110 U	**2800**	**2400**	**10000**	120 U

Table 2. Summary of Semivolatile Organic Compounds in Soil, Sendero Verde Redevelopment Project, East Harlem, New York

			Sample Designation:	SB-3	SB-4	SB-4	SB-5	SB-5
			Sample Date:	05/01/2018	04/30/2018	05/01/2018	04/30/2018	05/02/2018
			Sample Depth (ft bls):	17 - 19	0 - 2	11 - 13	0 - 2	18 - 20
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	Unit					
Benzo(G,H,I)Perylene	100000	100000	UG/KG	150 U	1400	1100	4400	160 U
Benzo(K)Fluoranthene	**800**	3900	UG/KG	110 U	**920**	**840**	**2400**	120 U
Benzoic Acid	--	--	UG/KG	610 U	640 U	610 U	680 U	650 U
Benzyl Alcohol	--	--	UG/KG	190 U	200 U	190 U	210 U	200 U
Benzyl Butyl Phthalate	--	--	UG/KG	190 U	990	190 U	71 J	200 U
Biphenyl (Diphenyl)	--	--	UG/KG	430 U	450 U	430 U	140 J	460 U
Bis(2-Chloroethoxy) Methane	--	--	UG/KG	200 U	220 U	200 U	230 U	220 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	--	--	UG/KG	170 U	180 U	170 U	190 U	180 U
Bis(2-Chloroisopropyl) Ether	--	--	UG/KG	230 U	240 U	230 U	250 U	240 U
Bis(2-Ethylhexyl) Phthalate	--	--	UG/KG	190 U	240	66 J	110 J	200 U
Carbazole	--	--	UG/KG	190 U	180 J	290	930	200 U
Chrysene	**1000**	3900	UG/KG	110 U	**2200**	**1900**	**7200**	120 U
Dibenz(A,H)Anthracene	**330**	330	UG/KG	110 U	310	310	**1000**	120 U
Dibenzofuran	7000	59000	UG/KG	190 U	140 J	280	1100	200 U
Diethyl Phthalate	--	--	UG/KG	190 U	200 U	190 U	210 U	200 U
Dimethyl Phthalate	--	--	UG/KG	190 U	200 U	190 U	210 U	200 U
Di-N-Butyl Phthalate	--	--	UG/KG	190 U	200 U	190 U	210 U	200 U
Di-N-Octylphthalate	--	--	UG/KG	190 U	200 U	190 U	210 U	200 U
Fluoranthene	100000	100000	UG/KG	110 U	4700	3800	25000	120 U
Fluorene	30000	100000	UG/KG	190 U	160 J	260	1200	200 U
Hexachlorobenzene	330	1200	UG/KG	110 U	120 U	110 U	120 U	120 U
Hexachlorobutadiene	--	--	UG/KG	190 U	200 U	190 U	210 U	200 U
Hexachlorocyclopentadiene	--	--	UG/KG	540 U	570 U	540 U	600 U	570 U
Hexachloroethane	--	--	UG/KG	150 U	160 U	150 U	170 U	160 U
Indeno(1,2,3-C,D)Pyrene	**500**	500	UG/KG	150 U	**1600**	**1200**	**5100**	160 U
Isophorone	--	--	UG/KG	170 U	180 U	170 U	190 U	180 U
Naphthalene	12000	100000	UG/KG	190 U	77 J	120 J	320	200 U
Nitrobenzene	--	--	UG/KG	170 U	180 U	170 U	190 U	180 U
N-Nitrosodi-N-Propylamine	--	--	UG/KG	190 U	200 U	190 U	210 U	200 U
N-Nitrosodiphenylamine	--	--	UG/KG	150 U	160 U	150 U	170 U	160 U
Pentachlorophenol	800	6700	UG/KG	150 U	160 U	150 U	170 U	160 U
Phenanthrene	100000	100000	UG/KG	110 U	2800	3600	22000	120 U
Phenol	330	100000	UG/KG	190 U	200 U	190 U	54 J	200 U
Pyrene	100000	100000	UG/KG	110 U	4100	3400	20000	120 U

Table 2. Summary of Semivolatile Organic Compounds in Soil, Sendero Verde Redevelopment Project, East Harlem, New York

			Sample Designation:	SB-6	SB-6	SB-7	SB-7	SB-8
			Sample Date:	04/30/2018	05/02/2018	04/30/2018	05/03/2018	04/30/2018
			Sample Depth (ft bls):	0 - 2	17 - 19	0 - 2	11 - 13	0 - 2
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	Unit					
1,2,4,5-Tetrachlorobenzene	--	--	UG/KG	190 U	200 U	200 U	180 U	180 U
1,2,4-Trichlorobenzene	--	--	UG/KG	190 U	200 U	200 U	180 U	180 U
1,2-Dichlorobenzene	1100	100000	UG/KG	190 U	200 U	200 U	180 U	180 U
1,3-Dichlorobenzene	2400	49000	UG/KG	190 U	200 U	200 U	180 U	180 U
1,4-Dichlorobenzene	1800	13000	UG/KG	190 U	200 U	200 U	180 U	180 U
2,4,5-Trichlorophenol	--	--	UG/KG	190 U	200 U	200 U	180 U	180 U
2,4,6-Trichlorophenol	--	--	UG/KG	110 U	120 U	120 U	110 U	110 U
2,4-Dichlorophenol	--	--	UG/KG	170 U	180 U	180 U	160 U	160 U
2,4-Dimethylphenol	--	--	UG/KG	190 U	200 U	200 U	180 U	180 U
2,4-Dinitrophenol	--	--	UG/KG	900 U	960 U	960 U	860 U	860 U
2,4-Dinitrotoluene	--	--	UG/KG	190 U	200 U	200 U	180 U	180 U
2,6-Dinitrotoluene	--	--	UG/KG	190 U	200 U	200 U	180 U	180 U
2-Chloronaphthalene	--	--	UG/KG	190 U	200 U	200 U	180 U	180 U
2-Chlorophenol	--	--	UG/KG	190 U	200 U	200 U	180 U	180 U
2-Methylnaphthalene	--	--	UG/KG	34 J	240 U	240 U	220 U	220 U
2-Methylphenol (O-Cresol)	330	100000	UG/KG	190 U	200 U	200 U	180 U	180 U
2-Nitroaniline	--	--	UG/KG	190 U	200 U	200 U	180 U	180 U
2-Nitrophenol	--	--	UG/KG	410 U	430 U	430 U	390 U	390 U
3- And 4- Methylphenol (Total)	330	100000	UG/KG	51 J	290 U	290 U	260 U	260 U
3,3'-Dichlorobenzidine	--	--	UG/KG	190 U	200 U	200 U	180 U	180 U
3-Nitroaniline	--	--	UG/KG	190 U	200 U	200 U	180 U	180 U
4,6-Dinitro-2-Methylphenol	--	--	UG/KG	490 U	520 U	520 U	470 U	470 U
4-Bromophenyl Phenyl Ether	--	--	UG/KG	190 U	200 U	200 U	180 U	180 U
4-Chloro-3-Methylphenol	--	--	UG/KG	190 U	200 U	200 U	180 U	180 U
4-Chloroaniline	--	--	UG/KG	190 U	200 U	200 U	180 U	180 U
4-Chlorophenyl Phenyl Ether	--	--	UG/KG	190 U	200 U	200 U	180 U	180 U
4-Nitroaniline	--	--	UG/KG	190 U	200 U	200 U	180 U	180 U
4-Nitrophenol	--	--	UG/KG	260 U	280 U	280 U	250 U	250 U
Acenaphthene	20000	100000	UG/KG	42 J	160 U	33 J	20 J	140 U
Acenaphthylene	100000	100000	UG/KG	1000	160 U	140 J	140 U	84 J
Acetophenone	--	--	UG/KG	190 U	200 U	200 U	180 U	180 U
Anthracene	100000	100000	UG/KG	580	120 U	150	160	44 J
Benzo(A)Anthracene	**1000**	1000	UG/KG	**1400**	120 U	480	250	140
Benzo(A)Pyrene	**1000**	1000	UG/KG	**1600**	160 U	440	220	150
Benzo(B)Fluoranthene	**1000**	1000	UG/KG	**2300**	120 U	600	240	200

Table 2. Summary of Semivolatile Organic Compounds in Soil, Sendero Verde Redevelopment Project, East Harlem, New York

			Sample Designation:	SB-6	SB-6	SB-7	SB-7	SB-8
			Sample Date:	04/30/2018	05/02/2018	04/30/2018	05/03/2018	04/30/2018
			Sample Depth (ft bls):	0 - 2	17 - 19	0 - 2	11 - 13	0 - 2
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	Unit					
Benzo(G,H,I)Perylene	100000	100000	UG/KG	1700	160 U	300	140	120 J
Benzo(K)Fluoranthene	**800**	3900	UG/KG	750	120 U	140	91 J	68 J
Benzoic Acid	--	--	UG/KG	610 U	650 U	650 U	580 U	580 U
Benzyl Alcohol	--	--	UG/KG	190 U	200 U	200 U	180 U	180 U
Benzyl Butyl Phthalate	--	--	UG/KG	190 U	200 U	200 U	180 U	180 U
Biphenyl (Diphenyl)	--	--	UG/KG	430 U	460 U	450 U	410 U	410 U
Bis(2-Chloroethoxy) Methane	--	--	UG/KG	200 U	220 U	220 U	190 U	190 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	--	--	UG/KG	170 U	180 U	180 U	160 U	160 U
Bis(2-Chloroisopropyl) Ether	--	--	UG/KG	230 U	240 U	240 U	220 U	220 U
Bis(2-Ethylhexyl) Phthalate	--	--	UG/KG	110 J	200 U	160 J	180 U	180 U
Carbazole	--	--	UG/KG	310	200 U	40 J	18 J	21 J
Chrysene	**1000**	3900	UG/KG	**1500**	120 U	470	220	150
Dibenz(A,H)Anthracene	**330**	330	UG/KG	**390**	120 U	63 J	30 J	26 J
Dibenzofuran	7000	59000	UG/KG	72 J	200 U	200 U	17 J	180 U
Diethyl Phthalate	--	--	UG/KG	190 U	200 U	200 U	180 U	180 U
Dimethyl Phthalate	--	--	UG/KG	190 U	200 U	200 U	180 U	180 U
Di-N-Butyl Phthalate	--	--	UG/KG	190 U	200 U	200 U	180 U	180 U
Di-N-Octylphthalate	--	--	UG/KG	190 U	200 U	200 U	180 U	180 U
Fluoranthene	100000	100000	UG/KG	2400	120 U	830	550	240
Fluorene	30000	100000	UG/KG	79 J	200 U	42 J	39 J	180 U
Hexachlorobenzene	330	1200	UG/KG	110 U	120 U	120 U	110 U	110 U
Hexachlorobutadiene	--	--	UG/KG	190 U	200 U	200 U	180 U	180 U
Hexachlorocyclopentadiene	--	--	UG/KG	540 U	570 U	570 U	510 U	520 U
Hexachloroethane	--	--	UG/KG	150 U	160 U	160 U	140 U	140 U
Indeno(1,2,3-C,D)Pyrene	**500**	500	UG/KG	**1600**	160 U	310	140	120 J
Isophorone	--	--	UG/KG	170 U	180 U	180 U	160 U	160 U
Naphthalene	12000	100000	UG/KG	120 J	200 U	200 U	180 U	180 U
Nitrobenzene	--	--	UG/KG	170 U	180 U	180 U	160 U	160 U
N-Nitrosodi-N-Propylamine	--	--	UG/KG	190 U	200 U	200 U	180 U	180 U
N-Nitrosodiphenylamine	--	--	UG/KG	150 U	160 U	160 U	140 U	140 U
Pentachlorophenol	800	6700	UG/KG	150 U	160 U	160 U	140 U	140 U
Phenanthrene	100000	100000	UG/KG	1300	120 U	410	530	88 J
Phenol	330	100000	UG/KG	190 U	200 U	200 U	180 U	180 U
Pyrene	100000	100000	UG/KG	2000	120 U	790	520	210

Table 2. Summary of Semivolatile Organic Compounds in Soil, Sendero Verde Redevelopment Project, East Harlem, New York

			Sample Designation:	SB-8	SB-9	SB-9	SB-10	SB-10
			Sample Date:	05/03/2018	05/01/2018	05/03/2018	05/01/2018	05/01/2018
			Sample Depth (ft bls):	18 - 20	0 - 2	14.5 - 16.5	0 - 2	15 - 17
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	Unit					
1,2,4,5-Tetrachlorobenzene	--	--	UG/KG	210 U	210 U	200 U	190 U	180 U
1,2,4-Trichlorobenzene	--	--	UG/KG	210 U	210 U	200 U	190 U	180 U
1,2-Dichlorobenzene	1100	100000	UG/KG	210 U	210 U	200 U	190 U	180 U
1,3-Dichlorobenzene	2400	49000	UG/KG	210 U	210 U	200 U	190 U	180 U
1,4-Dichlorobenzene	1800	13000	UG/KG	210 U	210 U	200 U	190 U	180 U
2,4,5-Trichlorophenol	--	--	UG/KG	210 U	210 U	200 U	190 U	180 U
2,4,6-Trichlorophenol	--	--	UG/KG	130 U	120 U	120 U	120 U	110 U
2,4-Dichlorophenol	--	--	UG/KG	190 U	190 U	180 U	170 U	160 U
2,4-Dimethylphenol	--	--	UG/KG	210 U	210 U	200 U	190 U	180 U
2,4-Dinitrophenol	--	--	UG/KG	1000 U	1000 U	940 U	920 U	880 U
2,4-Dinitrotoluene	--	--	UG/KG	210 U	210 U	200 U	190 U	180 U
2,6-Dinitrotoluene	--	--	UG/KG	210 U	210 U	200 U	190 U	180 U
2-Chloronaphthalene	--	--	UG/KG	210 U	210 U	200 U	190 U	180 U
2-Chlorophenol	--	--	UG/KG	210 U	210 U	200 U	190 U	180 U
2-Methylnaphthalene	--	--	UG/KG	250 U	250 U	240 U	26 J	220 U
2-Methylphenol (O-Cresol)	330	100000	UG/KG	210 U	210 U	200 U	190 U	180 U
2-Nitroaniline	--	--	UG/KG	210 U	210 U	200 U	190 U	180 U
2-Nitrophenol	--	--	UG/KG	460 U	450 U	420 U	420 U	390 U
3- And 4- Methylphenol (Total)	330	100000	UG/KG	300 U	72 J	280 U	280 U	260 U
3,3'-Dichlorobenzidine	--	--	UG/KG	210 U	210 U	200 U	190 U	180 U
3-Nitroaniline	--	--	UG/KG	210 U	210 U	200 U	190 U	180 U
4,6-Dinitro-2-Methylphenol	--	--	UG/KG	550 U	540 U	510 U	500 U	470 U
4-Bromophenyl Phenyl Ether	--	--	UG/KG	210 U	210 U	200 U	190 U	180 U
4-Chloro-3-Methylphenol	--	--	UG/KG	210 U	210 U	200 U	190 U	180 U
4-Chloroaniline	--	--	UG/KG	210 U	210 U	200 U	190 U	180 U
4-Chlorophenyl Phenyl Ether	--	--	UG/KG	210 U	210 U	200 U	190 U	180 U
4-Nitroaniline	--	--	UG/KG	210 U	210 U	200 U	190 U	180 U
4-Nitrophenol	--	--	UG/KG	300 U	290 U	270 U	270 U	260 U
Acenaphthene	20000	100000	UG/KG	170 U	170 U	160 U	60 J	140 U
Acenaphthylene	100000	100000	UG/KG	170 U	600	56 J	480	140 U
Acetophenone	--	--	UG/KG	210 U	26 J	200 U	190 U	180 U
Anthracene	100000	100000	UG/KG	130 U	250	120 U	430	110 U
Benzo(A)Anthracene	**1000**	1000	UG/KG	130 U	840	120	**1700**	37 J
Benzo(A)Pyrene	**1000**	1000	UG/KG	170 U	980	110 J	**1500**	140 U
Benzo(B)Fluoranthene	**1000**	1000	UG/KG	130 U	**1500**	140	**2100**	49 J

Table 2. Summary of Semivolatile Organic Compounds in Soil, Sendero Verde Redevelopment Project, East Harlem, New York

			Sample Designation:	SB-8	SB-9	SB-9	SB-10	SB-10
			Sample Date:	05/03/2018	05/01/2018	05/03/2018	05/01/2018	05/01/2018
			Sample Depth (ft bls):	18 - 20	0 - 2	14.5 - 16.5	0 - 2	15 - 17
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	Unit					
Benzo(G,H,I)Perylene	100000	100000	UG/KG	170 U	780	81 J	1100	28 J
Benzo(K)Fluoranthene	**800**	3900	UG/KG	130 U	580	56 J	770	110 U
Benzoic Acid	--	--	UG/KG	680 U	680 U	640 U	620 U	590 U
Benzyl Alcohol	--	--	UG/KG	210 U	210 U	200 U	190 U	180 U
Benzyl Butyl Phthalate	--	--	UG/KG	210 U	220	200 U	6600	180 U
Biphenyl (Diphenyl)	--	--	UG/KG	480 U	480 U	450 U	440 U	420 U
Bis(2-Chloroethoxy) Methane	--	--	UG/KG	230 U	220 U	210 U	210 U	200 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	--	--	UG/KG	190 U	190 U	180 U	170 U	160 U
Bis(2-Chloroisopropyl) Ether	--	--	UG/KG	250 U	250 U	240 U	230 U	220 U
Bis(2-Ethylhexyl) Phthalate	--	--	UG/KG	210 U	430	200 U	630	180 U
Carbazole	--	--	UG/KG	210 U	220	200 U	180 J	180 U
Chrysene	**1000**	3900	UG/KG	130 U	1000	120	**1800**	36 J
Dibenz(A,H)Anthracene	**330**	330	UG/KG	130 U	200	120 U	280	110 U
Dibenzofuran	7000	59000	UG/KG	210 U	28 J	200 U	70 J	180 U
Diethyl Phthalate	--	--	UG/KG	210 U	210 U	200 U	190 U	180 U
Dimethyl Phthalate	--	--	UG/KG	210 U	210 U	200 U	190 U	180 U
Di-N-Butyl Phthalate	--	--	UG/KG	210 U	60 J	200 U	120 J	180 U
Di-N-Octylphthalate	--	--	UG/KG	210 U	210 U	200 U	190 U	180 U
Fluoranthene	100000	100000	UG/KG	130 U	1400	240	3200	54 J
Fluorene	30000	100000	UG/KG	210 U	52 J	200 U	82 J	180 U
Hexachlorobenzene	330	1200	UG/KG	130 U	120 U	120 U	120 U	110 U
Hexachlorobutadiene	--	--	UG/KG	210 U	210 U	200 U	190 U	180 U
Hexachlorocyclopentadiene	--	--	UG/KG	600 U	600 U	560 U	550 U	520 U
Hexachloroethane	--	--	UG/KG	170 U	170 U	160 U	150 U	140 U
Indeno(1,2,3-C,D)Pyrene	**500**	500	UG/KG	170 U	**840**	86 J	**1200**	28 J
Isophorone	--	--	UG/KG	190 U	190 U	180 U	170 U	160 U
Naphthalene	12000	100000	UG/KG	210 U	50 J	200 U	78 J	180 U
Nitrobenzene	--	--	UG/KG	190 U	190 U	180 U	170 U	160 U
N-Nitrosodi-N-Propylamine	--	--	UG/KG	210 U	210 U	200 U	190 U	180 U
N-Nitrosodiphenylamine	--	--	UG/KG	170 U	170 U	160 U	150 U	140 U
Pentachlorophenol	800	6700	UG/KG	170 U	170 U	160 U	150 U	140 U
Phenanthrene	100000	100000	UG/KG	130 U	670	170	1700	23 J
Phenol	330	100000	UG/KG	210 U	32 J	200 U	190 U	180 U
Pyrene	100000	100000	UG/KG	130 U	1300	200	2900	51 J

Table 2. Summary of Semivolatile Organic Compounds in Soil, Sendero Verde Redevelopment Project, East Harlem, New York

			Sample Designation:	SB-11	SB-11	SB-12	SB-12
			Sample Date:	05/01/2018	05/04/2018	04/30/2018	05/04/2018
			Sample Depth (ft bls):	0 - 2	8 - 10	0 - 2	17 - 19
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	Unit				
1,2,4,5-Tetrachlorobenzene	--	--	UG/KG	190 U	220 U	190 U	190 U
1,2,4-Trichlorobenzene	--	--	UG/KG	190 U	220 U	190 U	190 U
1,2-Dichlorobenzene	1100	100000	UG/KG	190 U	220 U	190 U	190 U
1,3-Dichlorobenzene	2400	49000	UG/KG	190 U	220 U	190 U	190 U
1,4-Dichlorobenzene	1800	13000	UG/KG	190 U	220 U	190 U	190 U
2,4,5-Trichlorophenol	--	--	UG/KG	190 U	220 U	190 U	190 U
2,4,6-Trichlorophenol	--	--	UG/KG	110 U	130 U	120 U	110 U
2,4-Dichlorophenol	--	--	UG/KG	170 U	200 U	170 U	170 U
2,4-Dimethylphenol	--	--	UG/KG	190 U	220 U	190 U	190 U
2,4-Dinitrophenol	--	--	UG/KG	890 U	1000 U	930 U	920 U
2,4-Dinitrotoluene	--	--	UG/KG	190 U	220 U	190 U	190 U
2,6-Dinitrotoluene	--	--	UG/KG	190 U	220 U	190 U	190 U
2-Chloronaphthalene	--	--	UG/KG	190 U	220 U	190 U	190 U
2-Chlorophenol	--	--	UG/KG	190 U	220 U	190 U	190 U
2-Methylnaphthalene	--	--	UG/KG	220 U	260 U	230 U	230 U
2-Methylphenol (O-Cresol)	330	100000	UG/KG	190 U	220 U	190 U	190 U
2-Nitroaniline	--	--	UG/KG	190 U	220 U	190 U	190 U
2-Nitrophenol	--	--	UG/KG	400 U	470 U	420 U	410 U
3- And 4- Methylphenol (Total)	330	100000	UG/KG	45 J	310 U	280 U	280 U
3,3'-Dichlorobenzidine	--	--	UG/KG	190 U	220 U	190 U	190 U
3-Nitroaniline	--	--	UG/KG	190 U	220 U	190 U	190 U
4,6-Dinitro-2-Methylphenol	--	--	UG/KG	480 U	560 U	500 U	500 U
4-Bromophenyl Phenyl Ether	--	--	UG/KG	190 U	220 U	190 U	190 U
4-Chloro-3-Methylphenol	--	--	UG/KG	190 U	220 U	190 U	190 U
4-Chloroaniline	--	--	UG/KG	190 U	220 U	190 U	190 U
4-Chlorophenyl Phenyl Ether	--	--	UG/KG	190 U	220 U	190 U	190 U
4-Nitroaniline	--	--	UG/KG	190 U	220 U	190 U	190 U
4-Nitrophenol	--	--	UG/KG	260 U	300 U	270 U	270 U
Acenaphthene	20000	100000	UG/KG	150 U	170 U	49 J	150 U
Acenaphthylene	100000	100000	UG/KG	480	340	470	150 U
Acetophenone	--	--	UG/KG	26 J	220 U	190 U	190 U
Anthracene	100000	100000	UG/KG	230	210	310	110 U
Benzo(A)Anthracene	**1000**	1000	UG/KG	640	830	**1300**	110 U
Benzo(A)Pyrene	**1000**	1000	UG/KG	690	720	**1200**	150 U
Benzo(B)Fluoranthene	**1000**	1000	UG/KG	980	1000	**1500**	110 U

Table 2. Summary of Semivolatile Organic Compounds in Soil, Sendero Verde Redevelopment Project, East Harlem, New York

			Sample Designation:	SB-11	SB-11	SB-12	SB-12
			Sample Date:	05/01/2018	05/04/2018	04/30/2018	05/04/2018
			Sample Depth (ft bls):	0 - 2	8 - 10	0 - 2	17 - 19
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	Unit				
Benzo(G,H,I)Perylene	100000	100000	UG/KG	640	560	900	150 U
Benzo(K)Fluoranthene	**800**	3900	UG/KG	300	320	620	110 U
Benzoic Acid	--	--	UG/KG	600 U	700 U	630 U	620 U
Benzyl Alcohol	--	--	UG/KG	190 U	220 U	190 U	190 U
Benzyl Butyl Phthalate	--	--	UG/KG	280	220 U	190 U	190 U
Biphenyl (Diphenyl)	--	--	UG/KG	420 U	490 U	440 U	440 U
Bis(2-Chloroethoxy) Methane	--	--	UG/KG	200 U	230 U	210 U	210 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	--	--	UG/KG	170 U	200 U	170 U	170 U
Bis(2-Chloroisopropyl) Ether	--	--	UG/KG	220 U	260 U	230 U	230 U
Bis(2-Ethylhexyl) Phthalate	--	--	UG/KG	130 J	220 U	690	190 U
Carbazole	--	--	UG/KG	100 J	110 J	110 J	190 U
Chrysene	**1000**	3900	UG/KG	660	810	**1400**	110 U
Dibenz(A,H)Anthracene	**330**	330	UG/KG	140	140	230	110 U
Dibenzofuran	7000	59000	UG/KG	20 J	35 J	30 J	190 U
Diethyl Phthalate	--	--	UG/KG	190 U	220 U	190 U	190 U
Dimethyl Phthalate	--	--	UG/KG	190 U	220 U	190 U	190 U
Di-N-Butyl Phthalate	--	--	UG/KG	190 U	220 U	190 U	190 U
Di-N-Octylphthalate	--	--	UG/KG	190 U	220 U	940	190 U
Fluoranthene	100000	100000	UG/KG	930	1200	1900	110 U
Fluorene	30000	100000	UG/KG	46 J	47 J	70 J	190 U
Hexachlorobenzene	330	1200	UG/KG	110 U	130 U	120 U	110 U
Hexachlorobutadiene	--	--	UG/KG	190 U	220 U	190 U	190 U
Hexachlorocyclopentadiene	--	--	UG/KG	530 U	620 U	550 U	550 U
Hexachloroethane	--	--	UG/KG	150 U	170 U	160 U	150 U
Indeno(1,2,3-C,D)Pyrene	**500**	500	UG/KG	**540**	**560**	**940**	150 U
Isophorone	--	--	UG/KG	170 U	200 U	170 U	170 U
Naphthalene	12000	100000	UG/KG	46 J	44 J	37 J	190 U
Nitrobenzene	--	--	UG/KG	170 U	200 U	170 U	170 U
N-Nitrosodi-N-Propylamine	--	--	UG/KG	190 U	220 U	190 U	190 U
N-Nitrosodiphenylamine	--	--	UG/KG	150 U	170 U	160 U	150 U
Pentachlorophenol	800	6700	UG/KG	150 U	170 U	160 U	150 U
Phenanthrene	100000	100000	UG/KG	430	810	940	110 U
Phenol	330	100000	UG/KG	32 J	220 U	190 U	190 U
Pyrene	100000	100000	UG/KG	910	1300	1900	110 U

Table 3. Summary of Metals in Soil, Sendero Verde Redevelopment Project, East Harlem, New York

Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	Unit	Sample Designation: SB-1	SB-1	SB-2	SB-2	SB-3	SB-3
				Sample Date: 05/01/2018	05/02/2018	05/01/2018	05/02/2018	04/30/2018	05/01/2018
				Sample Depth (ft bls): 0 - 2	12 - 14	0 - 2	17.5 - 19.5	0 - 2	17 - 19
Aluminum	--	--	MG/KG	4430	4720	3350	3700	5620	2280
Antimony	--	--	MG/KG	7.07	1.54 J	0.455 J	4.82 U	4.47 U	4.52 U
Arsenic	**13**	16	MG/KG	5.4	5.07	5.84	0.772 J	6.35	0.57 J
Barium	**350**	400	MG/KG	**403**	**418**	131	29.1	60.3	16.4
Beryllium	7.2	72	MG/KG	0.201 J	0.15 J	0.144 J	0.135 J	0.206 J	0.163 J
Cadmium	2.5	4.3	MG/KG	1.4	0.74 J	0.706 J	0.965 U	0.286 J	0.904 U
Calcium	--	--	MG/KG	14600	17400	17800	791	2130	343
Chromium, Total	30	180	MG/KG	17.4	20.8	12.8	12.6	7.13	7.04
Cobalt	--	--	MG/KG	3.99	4.55	3.19	4.36	2.68	2.04
Copper	**50**	270	MG/KG	**5060**	30.8	45.7	13	11.3	8.98
Iron	--	--	MG/KG	15200	9730	9000	7630	10900	4990
Lead	**63**	400	MG/KG	**458**	**820**	**71.7**	2.85 J	36.5	1.74 J
Magnesium	--	--	MG/KG	2670	2710	5180	1550	987	854
Manganese	1600	2000	MG/KG	222	205	199	327	133	144
Mercury	**0.18**	0.81	MG/KG	**0.259**	**0.302**	0.115	0.077 U	0.078	0.073 U
Nickel	30	310	MG/KG	14.9	9.4	7.92	8.88	6.25	3.7
Potassium	--	--	MG/KG	422	495	1060	391	303	247
Selenium	3.9	180	MG/KG	0.485 J	0.37 J	1.05 J	1.93 U	0.724 J	1.81 U
Silver	2	180	MG/KG	0.54 J	0.396 J	1.2 U	0.965 U	0.894 U	0.904 U
Sodium	--	--	MG/KG	128 J	259	137 J	73.5 J	35.6 J	47.4 J
Thallium	--	--	MG/KG	1.83 U	1.76 U	2.39 U	1.93 U	1.79 U	1.81 U
Vanadium	--	--	MG/KG	17.9	16.6	12.8	12.9	12.7	7.04
Zinc	**109**	10000	MG/KG	**436**	**617**	**191**	13.7	53.2	6.66

Table 3. Summary of Metals in Soil, Sendero Verde Redevelopment Project, East Harlem, New York

			Sample Designation:	SB-4	SB-4	SB-5	SB-5	SB-6	SB-6
			Sample Date:	04/30/2018	05/01/2018	04/30/2018	05/02/2018	04/30/2018	05/02/2018
			Sample Depth (ft bls):	0 - 2	11 - 13	0 - 2	18 - 20	0 - 2	17 - 19
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	Unit						
Aluminum	--	--	MG/KG	5740	5470	8260	2470	4360	2600
Antimony	--	--	MG/KG	0.433 J	4.46 U	0.63 J	4.8 U	1.97 J	4.61 U
Arsenic	**13**	16	MG/KG	6.29	2.8	4.93	1.52	4.89	0.637 J
Barium	**350**	400	MG/KG	230	**439**	233	28.1	**564**	24.8
Beryllium	7.2	72	MG/KG	0.231 J	0.286 J	0.29 J	0.154 J	0.175 J	0.157 J
Cadmium	2.5	4.3	MG/KG	0.625 J	0.526 J	0.56 J	0.96 U	0.76 J	0.923 U
Calcium	--	--	MG/KG	21400	25900	13500	488	32000	697
Chromium, Total	30	180	MG/KG	12.5	13.8	11.2	6.96	12.1	10.8
Cobalt	--	--	MG/KG	4.28	5.22	4.05	2.57	3.76	2.91
Copper	**50**	270	MG/KG	35.3	20.7	22.3	9.85	20.1	8.08
Iron	--	--	MG/KG	10100	11400	10600	6110	10600	7440
Lead	**63**	400	MG/KG	**178**	**79.4**	**319**	2.28 J	**460**	2.52 J
Magnesium	--	--	MG/KG	3160	3700	2140	1160	3410	1170
Manganese	1600	2000	MG/KG	267	231	157	296	236	278
Mercury	**0.18**	0.81	MG/KG	**0.466**	**0.187**	**0.288**	0.076 U	**0.335**	0.076 U
Nickel	30	310	MG/KG	11	8.89	8.14	6.49	7.68	7.7
Potassium	--	--	MG/KG	849	1090	622	381	562	349
Selenium	3.9	180	MG/KG	0.471 J	0.303 J	0.39 J	1.92 U	0.568 J	1.84 U
Silver	2	180	MG/KG	0.962 U	0.892 U	1 U	0.96 U	0.874 U	0.923 U
Sodium	--	--	MG/KG	160 J	197	383	47.3 J	275	48.4 J
Thallium	--	--	MG/KG	1.92 U	1.78 U	2 U	1.92 U	1.75 U	1.84 U
Vanadium	--	--	MG/KG	26.2	18.4	21.6	9.12	16.6	10.5
Zinc	**109**	10000	MG/KG	**225**	**293**	**265**	9.39	**474**	10.3

Table 3. Summary of Metals in Soil, Sendero Verde Redevelopment Project, East Harlem, New York

Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	Unit	Sample Designation:	SB-7	SB-8	SB-8	SB-9	SB-9
				Sample Date:	04/30/2018	05/03/2018	04/30/2018	05/03/2018	05/01/2018	05/03/2018
				Sample Depth (ft bls):	0 - 2	11 - 13	0 - 2	18 - 20	0 - 2	14.5 - 16.5
Aluminum	--	--	MG/KG		4930	5480	4840	3790	3320	2900
Antimony	--	--	MG/KG		4.56 U	4.2 U	4.31 U	5.09 U	0.814 J	4.65 U
Arsenic	**13**	16	MG/KG		4.46	0.731 J	3.38	0.926 J	5.29	1.35
Barium	**350**	400	MG/KG		51.8	42.5	77.7	31.8	**481**	21.8
Beryllium	7.2	72	MG/KG		0.237 J	0.168 J	0.172 J	0.214 J	0.129 J	0.232 J
Cadmium	2.5	4.3	MG/KG		0.283 J	0.84 U	0.181 J	1.02 U	0.854 J	0.93 U
Calcium	--	--	MG/KG		2350	9830	11600	1070	39100	608
Chromium, Total	30	180	MG/KG		8.51	10.2	5.06	8.56	13.1	9.57
Cobalt	--	--	MG/KG		3.31	4.46	1.9	3.84	3.29	2.48
Copper	**50**	270	MG/KG		14.2	14.9	7.62	8.33	17	11.2
Iron	--	--	MG/KG		8370	9040	5590	9900	8530	7200
Lead	**63**	400	MG/KG		41.2	7.78	29.1	3.8 J	**359**	3.82 J
Magnesium	--	--	MG/KG		1720	2670	1940	1470	2040	979
Manganese	1600	2000	MG/KG		123	110	122	355	176	43.9
Mercury	**0.18**	0.81	MG/KG		0.136	0.022 J	0.098	0.081 U	**0.79**	0.077 U
Nickel	30	310	MG/KG		6.94	9.15	3.71	9.47	5.9	4.11
Potassium	--	--	MG/KG		382	1770	488	684	431	590
Selenium	3.9	180	MG/KG		0.31 J	1.68 U	1.72 U	2.03 U	0.457 J	1.86 U
Silver	2	180	MG/KG		0.913 U	0.84 U	0.861 U	1.02 U	0.993 U	0.93 U
Sodium	--	--	MG/KG		30.8 J	117 J	97.4 J	59 J	265	89.8 J
Thallium	--	--	MG/KG		1.82 U	1.68 U	1.72 U	2.03 U	1.98 U	1.86 U
Vanadium	--	--	MG/KG		14.1	13.6	9.65	13.2	12.3	10.2
Zinc	**109**	10000	MG/KG		58.6	23.4	70.4	14.8	**622**	10.5

Table 3. Summary of Metals in Soil, Sendero Verde Redevelopment Project, East Harlem, New York

				Sample Designation:	SB-10	SB-10	SB-11	SB-11	SB-12	SB-12
				Sample Date:	05/01/2018	05/01/2018	05/01/2018	05/04/2018	04/30/2018	05/04/2018
				Sample Depth (ft bls):	0 - 2	15 - 17	0 - 2	8 - 10	0 - 2	17 - 19
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	Unit							
Aluminum	--	--	MG/KG		6230	5210	4400	8270	6970	2700
Antimony	--	--	MG/KG		0.698 J	4.41 U	0.999 J	1.08 J	0.465 J	4.48 U
Arsenic	**13**	16	MG/KG		4.98	1.45	3.8	**29.5**	8.65	1.16
Barium	**350**	400	MG/KG		**677**	32.8	281	**452**	183	27.3
Beryllium	7.2	72	MG/KG		0.242 J	0.344 J	0.241 J	0.354 J	0.283 J	0.17 J
Cadmium	2.5	4.3	MG/KG		1.21	0.176 J	0.723 J	2.15	0.474 J	0.116 J
Calcium	--	--	MG/KG		41000	2000	14500	38600	8330	453
Chromium, Total	30	180	MG/KG		13	14.8	11.2	15	13.6	8.73
Cobalt	--	--	MG/KG		4.41	5.53	4.16	8.91	5.24	2.44
Copper	**50**	270	MG/KG		**98.4**	30	28.4	**50.3**	31.6	10.5
Iron	--	--	MG/KG		8890	12000	8830	25400	12800	5810
Lead	**63**	400	MG/KG		**405**	3.51 J	**165**	**250**	**159**	2.23 J
Magnesium	--	--	MG/KG		3890	3310	3060	8450	2520	1040
Manganese	1600	2000	MG/KG		269	129	265	467	193	262
Mercury	**0.18**	0.81	MG/KG		**0.367**	0.071 U	**0.298**	**0.244**	**0.3**	0.072 U
Nickel	30	310	MG/KG		9.15	19.8	10.4	22	10.1	6.47
Potassium	--	--	MG/KG		757	655	540	1100	814	378
Selenium	3.9	180	MG/KG		0.286 J	1.76 U	0.482 J	0.87 J	0.51 J	1.79 U
Silver	2	180	MG/KG		0.895 U	0.882 U	0.861 U	1.01 U	0.912 U	0.896 U
Sodium	--	--	MG/KG		459	183	128 J	612	141 J	63 J
Thallium	--	--	MG/KG		1.79 U	1.76 U	1.72 U	2.02 U	1.82 U	1.79 U
Vanadium	--	--	MG/KG		18.1	32	17.3	23.9	36.9	9
Zinc	**109**	10000	MG/KG		**626**	24.8	**274**	**777**	**154**	8.4

Table 4. Summary of Polychlorinated Biphenyls in Soil, Sendero Verde Redevelopment Project, East Harlem, New York

			Sample Designation:	SB-1	SB-1	SB-2	SB-2	SB-3	SB-3
			Sample Date:	05/01/2018	05/02/2018	05/01/2018	05/02/2018	04/30/2018	05/01/2018
			Sample Depth (ft bls):	0 - 2	12 - 14	0 - 2	17.5 - 19.5	0 - 2	17 - 19
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	Unit						
PCB-1016 (Aroclor 1016)	--	--	UG/KG	39.7 U	37.2 U	50.5 U	40.7 U	39.5 U	37.6 U
PCB-1221 (Aroclor 1221)	--	--	UG/KG	39.7 U	37.2 U	50.5 U	40.7 U	39.5 U	37.6 U
PCB-1232 (Aroclor 1232)	--	--	UG/KG	39.7 U	37.2 U	50.5 U	40.7 U	39.5 U	37.6 U
PCB-1242 (Aroclor 1242)	--	--	UG/KG	39.7 U	37.2 U	50.5 U	40.7 U	39.5 U	37.6 U
PCB-1248 (Aroclor 1248)	--	--	UG/KG	39.7 U	37.2 U	50.5 U	40.7 U	39.5 U	37.6 U
PCB-1254 (Aroclor 1254)	--	--	UG/KG	142	80.2	50.5 U	40.7 U	14.8 J	37.6 U
PCB-1260 (Aroclor 1260)	--	--	UG/KG	174	37.2	20.1 J	40.7 U	14.4 J	37.6 U
PCB-1262 (Aroclor 1262)	--	--	UG/KG	39.7 U	37.2 U	50.5 U	40.7 U	39.5 U	37.6 U
PCB-1268 (Aroclor 1268)	--	--	UG/KG	38.8 J	15 J	50.5 U	40.7 U	39.5 U	37.6 U
Polychlorinated Biphenyl (PCBs)	**100**	1000	UG/KG	**355 J**	**132 J**	20.1 J	40.7 U	29.2 J	37.6 U

Table 4. Summary of Polychlorinated Biphenyls in Soil, Sendero Verde Redevelopment Project, East Harlem, New York

			Sample Designation:	SB-4	SB-4	SB-5	SB-5	SB-6	SB-6
			Sample Date:	04/30/2018	05/01/2018	04/30/2018	05/02/2018	04/30/2018	05/02/2018
			Sample Depth (ft bls):	0 - 2	11 - 13	0 - 2	18 - 20	0 - 2	17 - 19
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	Unit						
PCB-1016 (Aroclor 1016)	--	--	UG/KG	39 U	37.7 U	41.9 U	39.7 U	36.7 U	38.9 U
PCB-1221 (Aroclor 1221)	--	--	UG/KG	39 U	37.7 U	41.9 U	39.7 U	36.7 U	38.9 U
PCB-1232 (Aroclor 1232)	--	--	UG/KG	39 U	37.7 U	41.9 U	39.7 U	36.7 U	38.9 U
PCB-1242 (Aroclor 1242)	--	--	UG/KG	39 U	37.7 U	41.9 U	39.7 U	36.7 U	38.9 U
PCB-1248 (Aroclor 1248)	--	--	UG/KG	39 U	37.7 U	41.9 U	39.7 U	36.7 U	38.9 U
PCB-1254 (Aroclor 1254)	--	--	UG/KG	114	36.2 J	28.6 J	39.7 U	30.4 J	38.9 U
PCB-1260 (Aroclor 1260)	--	--	UG/KG	70.9	19.3 J	50.3 P	39.7 U	34.8 J	38.9 U
PCB-1262 (Aroclor 1262)	--	--	UG/KG	39 U	37.7 U	41.9 U	39.7 U	36.7 U	38.9 U
PCB-1268 (Aroclor 1268)	--	--	UG/KG	19 J	37.7 U	11.2 J	39.7 U	14.2 J	38.9 U
Polychlorinated Biphenyl (PCBs)	**100**	1000	UG/KG	**204 J**	55.5 J	90.1 J	39.7 U	79.4 J	38.9 U

Table 4. Summary of Polychlorinated Biphenyls in Soil, Sendero Verde Redevelopment Project, East Harlem, New York

			Sample Designation:	SB-7	SB-7	SB-8	SB-8	SB-9	SB-9
			Sample Date:	04/30/2018	05/03/2018	04/30/2018	05/03/2018	05/01/2018	05/03/2018
			Sample Depth (ft bls):	0 - 2	11 - 13	0 - 2	18 - 20	0 - 2	14.5 - 16.5
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	Unit						
PCB-1016 (Aroclor 1016)	--	--	UG/KG	39 U	35.8 U	35.4 U	40.4 U	40 U	38.6 U
PCB-1221 (Aroclor 1221)	--	--	UG/KG	39 U	35.8 U	35.4 U	40.4 U	40 U	38.6 U
PCB-1232 (Aroclor 1232)	--	--	UG/KG	39 U	35.8 U	35.4 U	40.4 U	40 U	38.6 U
PCB-1242 (Aroclor 1242)	--	--	UG/KG	39 U	35.8 U	35.4 U	40.4 U	40 U	38.6 U
PCB-1248 (Aroclor 1248)	--	--	UG/KG	39 U	35.8 U	35.4 U	40.4 U	40 U	38.6 U
PCB-1254 (Aroclor 1254)	--	--	UG/KG	20 JPI	35.8 U	6.84 J	40.4 U	56.6	38.6 U
PCB-1260 (Aroclor 1260)	--	--	UG/KG	26.3 J	35.8 U	7.74 J	40.4 U	63.6	38.6 U
PCB-1262 (Aroclor 1262)	--	--	UG/KG	39 U	35.8 U	35.4 U	40.4 U	40 U	38.6 U
PCB-1268 (Aroclor 1268)	--	--	UG/KG	4.57 J	35.8 U	35.4 U	40.4 U	26.1 J	38.6 U
Polychlorinated Biphenyl (PCBs)	**100**	1000	UG/KG	50.9 J	35.8 U	14.6 J	40.4 U	**146 J**	38.6 U

Table 4. Summary of Polychlorinated Biphenyls in Soil, Sendero Verde Redevelopment Project, East Harlem, New York

			Sample Designation:	SB-10	SB-10	SB-11	SB-11	SB-12	SB-12
			Sample Date:	05/01/2018	05/01/2018	05/01/2018	05/04/2018	04/30/2018	05/04/2018
			Sample Depth (ft bls):	0 - 2	15 - 17	0 - 2	8 - 10	0 - 2	17 - 19
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	Unit						
PCB-1016 (Aroclor 1016)	--	--	UG/KG	37.9 U	35.6 U	37.1 U	42.2 U	38.6 U	37.4 U
PCB-1221 (Aroclor 1221)	--	--	UG/KG	37.9 U	35.6 U	37.1 U	42.2 U	38.6 U	37.4 U
PCB-1232 (Aroclor 1232)	--	--	UG/KG	37.9 U	35.6 U	37.1 U	42.2 U	38.6 U	37.4 U
PCB-1242 (Aroclor 1242)	--	--	UG/KG	37.9 U	35.6 U	37.1 U	42.2 U	38.6 U	37.4 U
PCB-1248 (Aroclor 1248)	--	--	UG/KG	37.9 U	35.6 U	37.1 U	42.2 U	38.6 U	37.4 U
PCB-1254 (Aroclor 1254)	--	--	UG/KG	37.9 U	35.6 U	11.1 J	68.1	52.2 P	37.4 U
PCB-1260 (Aroclor 1260)	--	--	UG/KG	37.9 U	35.6 U	17.4 J	42.2 U	42.4	37.4 U
PCB-1262 (Aroclor 1262)	--	--	UG/KG	37.9 U	35.6 U	37.1 U	42.2 U	38.6 U	37.4 U
PCB-1268 (Aroclor 1268)	--	--	UG/KG	37.9 U	35.6 U	8.28 J	42.2 U	19.2 J	37.4 U
Polychlorinated Biphenyl (PCBs)	**100**	1000	UG/KG	37.9 U	35.6 U	36.8 J	68.1	**114 J**	37.4 U

Table 5. Summary of Pesticides and Herbicides in Soil, Sendero Verde Redevelopment Project, East Harlem, New York

			Sample Designation:	SB-1	SB-1	SB-2	SB-2	SB-3
			Sample Date:	05/01/2018	05/02/2018	05/01/2018	05/02/2018	04/30/2018
			Sample Depth (ft bls):	0 - 2	12 - 14	0 - 2	17.5 - 19.5	0 - 2
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	Unit					
Aldrin	5	97	UG/KG	9.51 U	1.77 U	11.7 U	1.92 U	1.88 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	20	480	UG/KG	3.96 U	0.738 U	4.86 U	0.802 U	0.782 U
Alpha Endosulfan	2400	24000	UG/KG	9.51 U	1.77 U	11.7 U	1.92 U	1.88 U
Beta Bhc (Beta Hexachlorocyclohexane)	36	360	UG/KG	9.51 U	1.77 U	11.7 U	1.92 U	1.88 U
Beta Endosulfan	2400	24000	UG/KG	5.22 JPI	1.77 U	11.7 U	1.92 U	7.36
Chlordane	--	--	UG/KG	77.3 U	14.4 U	94.8 U	15.6 U	15.2 U
cis-Chlordane	**94**	4200	UG/KG	42.1	84 PI	8.82 JPI	2.4 U	21.5 P
Delta BHC (Delta Hexachlorocyclohexane)	40	100000	UG/KG	9.51 U	1.77 U	11.7 U	1.92 U	1.88 U
Dieldrin	**5**	200	UG/KG	**33.3**	**146**	**23.3**	1.2 U	**20.2**
Endosulfan Sulfate	2400	24000	UG/KG	3.96 U	0.738 U	6.96 P	0.802 U	0.782 U
Endrin	14	11000	UG/KG	3.96 U	0.738 U	4.86 U	0.802 U	0.782 U
Endrin Aldehyde	--	--	UG/KG	11.9 U	2.22 U	14.6 U	2.4 U	2.35 U
Endrin Ketone	--	--	UG/KG	9.51 U	1.77 U	11.7 U	1.92 U	1.88 U
Gamma Bhc (Lindane)	100	1300	UG/KG	3.96 U	0.738 U	4.86 U	0.802 U	0.782 U
Heptachlor	42	2100	UG/KG	4.76 U	4.25 P	5.84 U	0.962 U	0.939 U
Heptachlor Epoxide	--	--	UG/KG	6.61 J	13 P	9.22 J	3.61 U	3.94 P
Methoxychlor	--	--	UG/KG	17.8 U	3.32 U	21.9 U	3.61 U	3.52 U
P,P'-DDD	**3.3**	13000	UG/KG	9.51 U	**12.5 PI**	**5.77 J**	1.92 U	1.88 U
P,P'-DDE	**3.3**	8900	UG/KG	**29.6**	**37.6**	**18.2**	1.92 U	**66.4**
P,P'-DDT	**3.3**	7900	UG/KG	**235**	**307**	**60.6**	3.61 U	**128**
Toxaphene	--	--	UG/KG	178 U	33.2 U	219 U	36.1 U	35.2 U
trans-Chlordane	--	--	UG/KG	40.6 P	65.5 PI	8.31 J	2.4 U	4.26 PI

Table 5. Summary of Pesticides and Herbicides in Soil, Sendero Verde Redevelopment Project, East Harlem, New York

			Sample Designation:	SB-3	SB-4	SB-4	SB-5	SB-5
			Sample Date:	05/01/2018	04/30/2018	05/01/2018	04/30/2018	05/02/2018
			Sample Depth (ft bls):	17 - 19	0 - 2	11 - 13	0 - 2	18 - 20
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	Unit					
Aldrin	5	97	UG/KG	1.77 U	1.86 U	1.77 U	2.03 U	1.85 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	20	480	UG/KG	0.736 U	0.774 U	0.738 U	0.846 U	0.77 U
Alpha Endosulfan	2400	24000	UG/KG	1.77 U	1.86 U	1.77 U	2.03 U	1.85 U
Beta Bhc (Beta Hexachlorocyclohexane)	36	360	UG/KG	1.77 U	1.86 U	1.77 U	2.03 U	1.85 U
Beta Endosulfan	2400	24000	UG/KG	1.77 U	1.86 U	1.71 J	2.03 U	1.85 U
Chlordane	--	--	UG/KG	14.4 U	15.1 U	14.4 U	16.5 U	15 U
cis-Chlordane	**94**	4200	UG/KG	2.21 U	40.6 P	36.8	28.7 P	2.31 U
Delta BHC (Delta Hexachlorocyclohexane)	40	100000	UG/KG	1.77 U	1.86 U	1.77 U	2.03 U	1.85 U
Dieldrin	**5**	200	UG/KG	1.1 U	**15.4**	**95.8**	**23.3**	1.16 U
Endosulfan Sulfate	2400	24000	UG/KG	0.736 U	0.774 U	0.738 U	0.846 U	0.77 U
Endrin	14	11000	UG/KG	0.736 U	0.774 U	0.738 U	0.846 U	0.77 U
Endrin Aldehyde	--	--	UG/KG	2.21 U	2.32 U	2.21 U	2.54 U	2.31 U
Endrin Ketone	--	--	UG/KG	1.77 U	1.86 U	1.77 U	2.03 U	1.85 U
Gamma Bhc (Lindane)	100	1300	UG/KG	0.736 U	0.774 U	0.738 U	0.846 U	0.77 U
Heptachlor	42	2100	UG/KG	0.883 U	0.87 J	0.557 JPI	1.01 U	0.924 U
Heptachlor Epoxide	--	--	UG/KG	3.31 U	5.58	1.55 JPI	4.81 P	3.46 U
Methoxychlor	--	--	UG/KG	3.31 U	3.48 U	3.32 U	3.8 U	3.46 U
P,P'-DDD	**3.3**	13000	UG/KG	1.77 U	**9.64**	**13.9**	**13.2 P**	1.85 U
P,P'-DDE	**3.3**	8900	UG/KG	1.77 U	**27.5**	**68.7**	**62.9 P**	1.85 U
P,P'-DDT	**3.3**	7900	UG/KG	3.31 U	**103**	**318**	**106**	3.46 U
Toxaphene	--	--	UG/KG	33.1 U	34.8 U	33.2 U	38 U	34.6 U
trans-Chlordane	--	--	UG/KG	2.21 U	14.5	34.2 PI	14.3	2.31 U

Table 5. Summary of Pesticides and Herbicides in Soil, Sendero Verde Redevelopment Project, East Harlem, New York

			Sample Designation:	SB-6	SB-6	SB-7	SB-7	SB-8
			Sample Date:	04/30/2018	05/02/2018	04/30/2018	05/03/2018	04/30/2018
			Sample Depth (ft bls):	0 - 2	17 - 19	0 - 2	11 - 13	0 - 2
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	Unit					
Aldrin	5	97	UG/KG	1.77 U	1.91 U	1.88 U	1.68 U	1.67 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	20	480	UG/KG	0.739 U	0.794 U	0.782 U	0.701 U	0.697 U
Alpha Endosulfan	2400	24000	UG/KG	1.77 U	1.91 U	1.88 U	1.68 U	1.67 U
Beta Bhc (Beta Hexachlorocyclohexane)	36	360	UG/KG	1.77 U	1.91 U	1.88 U	1.68 U	1.67 U
Beta Endosulfan	2400	24000	UG/KG	1.77 U	1.91 U	1.88 U	1.02 J	1.67 U
Chlordane	--	--	UG/KG	226	15.5 U	15.2 U	13.7 U	13.6 U
cis-Chlordane	**94**	4200	UG/KG	44.4	2.38 U	23.9 PI	1.73 J	10.7 P
Delta BHC (Delta Hexachlorocyclohexane)	40	100000	UG/KG	1.77 U	1.91 U	1.88 U	1.68 U	1.67 U
Dieldrin	**5**	200	UG/KG	**33**	1.19 U	**14.6**	1.6	**6.16**
Endosulfan Sulfate	2400	24000	UG/KG	0.739 U	0.794 U	0.782 U	0.701 U	0.697 U
Endrin	14	11000	UG/KG	0.739 U	0.794 U	0.782 U	0.701 U	0.697 U
Endrin Aldehyde	--	--	UG/KG	2.22 U	2.38 U	2.34 U	2.1 U	2.09 U
Endrin Ketone	--	--	UG/KG	1.77 U	1.91 U	1.88 U	1.68 U	1.67 U
Gamma Bhc (Lindane)	100	1300	UG/KG	0.739 U	0.794 U	0.782 U	0.701 U	0.697 U
Heptachlor	42	2100	UG/KG	0.505 J	0.953 U	0.938 U	0.841 U	0.836 U
Heptachlor Epoxide	--	--	UG/KG	1.5 JPI	3.57 U	8.2	3.16 U	1.58 J
Methoxychlor	--	--	UG/KG	3.33 U	3.57 U	3.52 U	3.16 U	3.14 U
P,P'-DDD	**3.3**	13000	UG/KG	**16.2 P**	1.91 U	**7.07**	1.02 J	1.67 U
P,P'-DDE	**3.3**	8900	UG/KG	**45.5**	1.91 U	**30.5**	1.26 J	**12**
P,P'-DDT	**3.3**	7900	UG/KG	**152**	3.57 U	**42.9**	**3.4**	**47.2**
Toxaphene	--	--	UG/KG	33.3 U	35.7 U	35.2 U	31.6 U	31.4 U
trans-Chlordane	--	--	UG/KG	31.7	2.38 U	13 PI	0.857 J	6.06 P

Table 5. Summary of Pesticides and Herbicides in Soil, Sendero Verde Redevelopment Project, East Harlem, New York

			Sample Designation:	SB-8	SB-9	SB-9	SB-10	SB-10
			Sample Date:	05/03/2018	05/01/2018	05/03/2018	05/01/2018	05/01/2018
			Sample Depth (ft bls):	18 - 20	0 - 2	14.5 - 16.5	0 - 2	15 - 17
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	Unit					
Aldrin	5	97	UG/KG	1.98 U	9.92 U	1.85 U	1.81 U	1.71 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	20	480	UG/KG	0.826 U	4.13 U	0.77 U	0.756 U	0.714 U
Alpha Endosulfan	2400	24000	UG/KG	1.98 U	9.92 U	1.85 U	1.81 U	1.71 U
Beta Bhc (Beta Hexachlorocyclohexane)	36	360	UG/KG	1.98 U	9.92 U	1.85 U	1.81 U	1.71 U
Beta Endosulfan	2400	24000	UG/KG	1.98 U	7.48 JPI	1.85 U	2.38 PI	1.71 U
Chlordane	--	--	UG/KG	16.1 U	80.6 U	21.3	14.7 U	13.9 U
cis-Chlordane	**94**	4200	UG/KG	2.48 U	69.4	4.8	39.1 PI	1.42 J
Delta BHC (Delta Hexachlorocyclohexane)	40	100000	UG/KG	1.98 U	9.92 U	1.85 U	1.81 U	1.71 U
Dieldrin	**5**	200	UG/KG	1.24 U	**84.5**	4.36	**197**	0.863 J
Endosulfan Sulfate	2400	24000	UG/KG	0.826 U	4.13 U	0.77 U	0.756 U	0.714 U
Endrin	14	11000	UG/KG	0.826 U	4.13 U	0.77 U	0.756 U	0.714 U
Endrin Aldehyde	--	--	UG/KG	2.48 U	12.4 U	2.31 U	2.27 U	2.14 U
Endrin Ketone	--	--	UG/KG	1.98 U	9.92 U	1.85 U	1.81 U	1.71 U
Gamma Bhc (Lindane)	100	1300	UG/KG	0.826 U	4.13 U	0.77 U	0.756 U	0.714 U
Heptachlor	42	2100	UG/KG	0.991 U	4.96 U	0.924 U	0.907 U	0.857 U
Heptachlor Epoxide	--	--	UG/KG	3.72 U	7.33 J	3.46 U	7.98	3.21 U
Methoxychlor	--	--	UG/KG	3.72 U	18.6 U	3.46 U	3.4 U	3.21 U
P,P'-DDD	**3.3**	13000	UG/KG	1.98 U	**81.5**	**4.54 P**	**4.91 PI**	1.71 U
P,P'-DDE	**3.3**	8900	UG/KG	1.98 U	**46.2**	**4.53**	**29.9**	1.45 J
P,P'-DDT	**3.3**	7900	UG/KG	3.72 U	**340**	**29.8**	**259**	**7.79**
Toxaphene	--	--	UG/KG	37.2 U	186 U	34.6 U	34 U	32.1 U
trans-Chlordane	--	--	UG/KG	2.48 U	71.8 PI	2.75 PI	45.4	2.14 U

Table 5. Summary of Pesticides and Herbicides in Soil, Sendero Verde Redevelopment Project, East Harlem, New York

			Sample Designation:	SB-11	SB-11	SB-12	SB-12
			Sample Date:	05/01/2018	05/04/2018	04/30/2018	05/04/2018
			Sample Depth (ft bls):	0 - 2	8 - 10	0 - 2	17 - 19
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	Unit				
Aldrin	5	97	UG/KG	8.89 U	1.47 J	1.85 U	1.82 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	20	480	UG/KG	3.7 U	0.855 U	0.772 U	0.758 U
Alpha Endosulfan	2400	24000	UG/KG	8.89 U	2.05 U	1.85 U	1.82 U
Beta Bhc (Beta Hexachlorocyclohexane)	36	360	UG/KG	8.89 U	2.05 U	1.85 U	1.82 U
Beta Endosulfan	2400	24000	UG/KG	5.14 J	2.99	1.85 U	1.82 U
Chlordane	--	--	UG/KG	72.2 U	868	15 U	14.8 U
cis-Chlordane	**94**	4200	UG/KG	15.6	**315 P**	12.6 PI	2.27 U
Delta BHC (Delta Hexachlorocyclohexane)	40	100000	UG/KG	8.89 U	2.05 U	1.85 U	1.82 U
Dieldrin	**5**	200	UG/KG	5.56 U	**321**	**19.5**	1.14 U
Endosulfan Sulfate	2400	24000	UG/KG	3.7 U	0.855 U	0.772 U	0.758 U
Endrin	14	11000	UG/KG	3.7 U	0.855 U	0.772 U	0.758 U
Endrin Aldehyde	--	--	UG/KG	11.1 U	2.57 U	2.32 U	2.27 U
Endrin Ketone	--	--	UG/KG	8.89 U	2.05 U	1.85 U	1.82 U
Gamma Bhc (Lindane)	100	1300	UG/KG	3.7 U	0.855 U	0.772 U	0.758 U
Heptachlor	42	2100	UG/KG	4.45 U	2.88	0.926 U	0.91 U
Heptachlor Epoxide	--	--	UG/KG	16.7 U	2.22 JPI	3.47 U	3.41 U
Methoxychlor	--	--	UG/KG	16.7 U	3.85 U	3.47 U	3.41 U
P,P'-DDD	**3.3**	13000	UG/KG	8.89 U	**31.2**	**35.1 P**	1.82 U
P,P'-DDE	**3.3**	8900	UG/KG	**4.23 JPI**	**471**	**93.8**	1.82 U
P,P'-DDT	**3.3**	7900	UG/KG	**80.7**	**1670**	**124**	3.41 U
Toxaphene	--	--	UG/KG	167 U	38.5 U	34.7 U	34.1 U
trans-Chlordane	--	--	UG/KG	5.7 JPI	170	7.77 PI	2.27 U

Table 6. Summary of General Chemistry in Soil, Sendero Verde Redevelopment Project, East Harlem, New York

			Sample Designation:	SB-1	SB-1	SB-1	SB-1	SB-2	SB-2	SB-2
			Sample Date:	05/01/2018	05/01/2018	05/02/2018	05/02/2018	05/01/2018	05/01/2018	05/02/2018
			Sample Depth (ft bls):	0 - 2	1 - 1	12 - 14	13 - 13	0 - 2	1 - 1	17.5 - 19.5
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	Unit							
Total Solids	--	--	PERCENT	82.7	82.7	89.2	89.2	65.1	65.1	81.4

Table 6. Summary of General Chemistry in Soil, Sendero Verde Redevelopment Project, East Harlem, New York

			Sample Designation:	SB-2	SB-3	SB-3	SB-3	SB-3	SB-4	SB-4
			Sample Date:	05/02/2018	04/30/2018	04/30/2018	05/01/2018	05/01/2018	04/30/2018	04/30/2018
			Sample Depth (ft bls):	19 - 19	0 - 2	1 - 1	17 - 19	18 - 18	0 - 2	1 - 1
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	Unit							
Total Solids	--	--	PERCENT	81.4	83.8	83.8	87.2	87.2	81.9	81.9

Table 6. Summary of General Chemistry in Soil, Sendero Verde Redevelopment Project, East Harlem, New York

			Sample Designation:	SB-4	SB-4	SB-5	SB-5	SB-5	SB-5	SB-6
			Sample Date:	05/01/2018	05/01/2018	04/30/2018	04/30/2018	05/02/2018	05/02/2018	04/30/2018
			Sample Depth (ft bls):	11 - 13	12.5 - 12.5	0 - 2	1 - 1	18 - 20	19 - 19	0 - 2
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	Unit							
Total Solids	--	--	PERCENT	87	87	77.4	77.4	82.6	82.6	88.1

Table 6. Summary of General Chemistry in Soil, Sendero Verde Redevelopment Project, East Harlem, New York

			Sample Designation:	SB-6	SB-6	SB-6	SB-7	SB-7	SB-7	SB-7X
			Sample Date:	04/30/2018	05/02/2018	05/02/2018	04/30/2018	04/30/2018	05/03/2018	05/03/2018
			Sample Depth (ft bls):	1 - 1	17 - 19	18 - 18	0 - 2	1 - 1	11 - 13	12.5 - 12.5
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	Unit							
Total Solids	--	--	PERCENT	88.1	82.4	82.4	83	83.8	92.3	86.6

Table 6. Summary of General Chemistry in Soil, Sendero Verde Redevelopment Project, East Harlem, New York

			Sample Designation:	SB-8	SB-8	SB-8	SB-8	SB-9	SB-9	SB-9
			Sample Date:	04/30/2018	04/30/2018	05/03/2018	05/03/2018	05/01/2018	05/01/2018	05/03/2018
			Sample Depth (ft bls):	0 - 2	1 - 1	18 - 20	19 - 19	0 - 2	1 - 1	14.5 - 16.5
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	Unit							
Total Solids	--	--	PERCENT	90.9	90.9	78.2	80.2	79	79	83.1

Table 6. Summary of General Chemistry in Soil, Sendero Verde Redevelopment Project, East Harlem, New York

			Sample Designation:	SB-9	SB-10	SB-10	SB-10	SB-10	SB-11	SB-11
			Sample Date:	05/03/2018	05/01/2018	05/01/2018	05/01/2018	05/01/2018	05/01/2018	05/01/2018
			Sample Depth (ft bls):	16 - 16	0 - 2	1 - 1	15 - 17	16 - 16	0 - 2	1 - 1
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	Unit							
Total Solids	--	--	PERCENT	86.5	85.7	85.7	89.8	89.8	88.2	88.2

Table 6. Summary of General Chemistry in Soil, Sendero Verde Redevelopment Project, East Harlem, New York

			Sample Designation:	SB-11	SB-11	SB-12	SB-12	SB-12	SB-12
			Sample Date:	05/04/2018	05/04/2018	04/30/2018	04/30/2018	05/04/2018	05/04/2018
			Sample Depth (ft bls):	8 - 10	8 - 8	0 - 2	1 - 1	17 - 19	18 - 18
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	Unit						
Total Solids	--	--	PERCENT	74.8	82.2	85.1	85.1	86.6	80.8

Table 7. Summary of Volatile Organic Compounds in Groundwater, Sendero Verde Redevelopment Project, East Harlem, New York

			Sample Designation:	SB-1	SB-4	SB-5	SB-9	SB-10	SB-11
			Sample Date:	05/03/2018	05/02/2018	05/02/2018	05/03/2018	05/02/2018	05/04/2018
Parameter	NYSDEC Ambient Water-Quality Standards	NYSDEC Ambient Water-Quality Guidance Values	Unit						
1,1,1,2-Tetrachloroethane	5	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1,1-Trichloroethane (TCA)	5	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1,2,2-Tetrachloroethane	5	--	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	1	--	UG/L	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
1,1-Dichloroethane	5	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1-Dichloroethene	5	--	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloropropene	5	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,3-Trichlorobenzene	5	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,3-Trichloropropane	0.04	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,4,5-Tetramethylbenzene	5	--	UG/L	2 U	2 U	2 U	2 U	2 U	2 U
1,2,4-Trichlorobenzene	5	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,4-Trimethylbenzene	5	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dibromo-3-Chloropropane	0.04	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dibromoethane (Ethylene Dibromide)	--	--	UG/L	2 U	2 U	2 U	2 U	2 U	2 U
1,2-Dichlorobenzene	3	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dichloroethane	0.6	--	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	1	--	UG/L	1 U	1 U	1 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene (Mesitylene)	5	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichlorobenzene	3	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichloropropane	5	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Dichlorobenzene	3	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Diethyl Benzene	--	--	UG/L	2 U	2 U	2 U	2 U	2 U	2 U
1,4-Dioxane (P-Dioxane)	--	--	UG/L	250 U	250 U	250 U	250 U	250 U	250 U
2,2-Dichloropropane	5	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
2-Chlorotoluene	5	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
2-Hexanone	--	50	UG/L	5 U	5 U	5 U	5 U	5 U	5 U
4-Chlorotoluene	5	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U

Table 7. Summary of Volatile Organic Compounds in Groundwater, Sendero Verde Redevelopment Project, East Harlem, New York

Parameter	NYSDEC Ambient Water-Quality Standards	NYSDEC Ambient Water-Quality Guidance Values	Unit	Sample Designation: SB-1 / Sample Date: 05/03/2018	SB-4 / 05/02/2018	SB-5 / 05/02/2018	SB-9 / 05/03/2018	SB-10 / 05/02/2018	SB-11 / 05/04/2018
4-Ethyltoluene	--	--	UG/L	2 U	2 U	2 U	2 U	2 U	2 U
Acetone	--	50	UG/L	1.5 J	5 U	1.8 J	1.8 J	5 U	3.8 J
Acrylonitrile	5	--	UG/L	5 U	5 U	5 U	5 U	5 U	5 U
Benzene	1	--	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromobenzene	5	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Bromochloromethane	5	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Bromodichloromethane	--	50	UG/L	0.65	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	--	50	UG/L	2 U	2 U	2 U	2 U	2 U	2 U
Bromomethane	5	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Carbon Disulfide	--	60	UG/L	5 U	5 U	5 U	5 U	5 U	5 U
Carbon Tetrachloride	5	--	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	5	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloroethane	5	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloroform	**7**	--	UG/L	**39**	**30**	**28**	**21**	**31**	**29**
Chloromethane	--	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Cis-1,2-Dichloroethylene	5	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Cis-1,3-Dichloropropene	--	5	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Cymene	5	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Dibromochloromethane	--	50	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromomethane	5	--	UG/L	5 U	5 U	5 U	5 U	5 U	5 U
Dichlorodifluoromethane	5	--	UG/L	5 U	5 U	5 U	5 U	5 U	5 U
Dichloroethylenes	5	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Diethyl Ether (Ethyl Ether)	--	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Ethylbenzene	5	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Hexachlorobutadiene	0.5	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Isopropylbenzene (Cumene)	5	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
m,p-Xylene	5	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U

Table 7. Summary of Volatile Organic Compounds in Groundwater, Sendero Verde Redevelopment Project, East Harlem, New York

			Sample Designation:	SB-1	SB-4	SB-5	SB-9	SB-10	SB-11
			Sample Date:	05/03/2018	05/02/2018	05/02/2018	05/03/2018	05/02/2018	05/04/2018
Parameter	NYSDEC Ambient Water-Quality Standards	NYSDEC Ambient Water-Quality Guidance Values	Unit						
Methyl Ethyl Ketone (2-Butanone)	--	50	UG/L	5 U	5 U	5 U	5 U	5 U	5 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	--	UG/L	5 U	5 U	5 U	5 U	5 U	5 U
Methylene Chloride	5	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Naphthalene	--	10	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
N-Butylbenzene	5	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
N-Propylbenzene	5	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
O-Xylene (1,2-Dimethylbenzene)	5	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Sec-Butylbenzene	5	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Styrene	5	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
T-Butylbenzene	5	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Tert-Butyl Methyl Ether	--	10	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Tetrachloroethylene (PCE)	5	--	UG/L	0.5 U	1.2	0.22 J	0.92	0.5 U	3.2
Toluene	5	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Total, 1,3-Dichloropropene (Cis And Trans)	0.4	--	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trans-1,2-Dichloroethene	5	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Trans-1,3-Dichloropropene	--	--	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trans-1,4-Dichloro-2-Butene	--	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Trichloroethylene (TCE)	5	--	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichlorofluoromethane	5	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Vinyl Acetate	--	--	UG/L	5 U	5 U	5 U	5 U	5 U	5 U
Vinyl Chloride	2	--	UG/L	1 U	1 U	1 U	1 U	1 U	1 U
Xylenes	5	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U

Table 8. Summary of Semivolatile Organic Compounds in Groundwater, Sendero Verde Redevelopment Project, East Harlem, New York

			Sample Designation:	SB-1	SB-1	SB-4	SB-4
			Sample Date:	05/03/2018	05/03/2018	05/02/2018	05/02/2018
			Sample Note:		Filtered		Filtered
Parameter	NYSDEC Ambient Water-Quality Standards	NYSDEC Ambient Water-Quality Guidance Values	Unit				
1,2,4,5-Tetrachlorobenzene	--	--	UG/L	10 U	10 U	9.6 U	10 U
1,2,4-Trichlorobenzene	5	--	UG/L	5 U	5 U	4.8 U	5 U
1,2-Dichlorobenzene	3	--	UG/L	2 U	2 U	1.9 U	2 U
1,3-Dichlorobenzene	3	--	UG/L	2 U	2 U	1.9 U	2 U
1,4-Dichlorobenzene	3	--	UG/L	2 U	2 U	1.9 U	2 U
2,4,5-Trichlorophenol	--	--	UG/L	5 U	5 U	4.8 U	5 U
2,4,6-Trichlorophenol	--	--	UG/L	5 U	5 U	4.8 U	5 U
2,4-Dichlorophenol	5	--	UG/L	5 U	5 U	4.8 U	5 U
2,4-Dimethylphenol	--	50	UG/L	5 U	5 U	4.8 U	5 U
2,4-Dinitrophenol	--	10	UG/L	20 U	20 U	19 U	20 U
2,4-Dinitrotoluene	5	--	UG/L	5 U	5 U	4.8 U	5 U
2,6-Dinitrotoluene	5	--	UG/L	5 U	5 U	4.8 U	5 U
2-Chloronaphthalene	--	10	UG/L	0.2 U	0.2 U	0.19 U	0.2 U
2-Chlorophenol	--	--	UG/L	2 U	2 U	1.9 U	2 U
2-Methylnaphthalene	--	--	UG/L	0.1 U	0.1 U	0.1 U	0.1 U
2-Methylphenol (O-Cresol)	--	--	UG/L	5 U	5 U	4.8 U	5 U
2-Nitroaniline	5	--	UG/L	5 U	5 U	4.8 U	5 U
2-Nitrophenol	--	--	UG/L	10 U	10 U	9.6 U	10 U
3- And 4- Methylphenol (Total)	--	--	UG/L	5 U	5 U	4.8 U	5 U
3,3'-Dichlorobenzidine	5	--	UG/L	5 U	5 U	4.8 U	5 U
3-Nitroaniline	5	--	UG/L	5 U	5 U	4.8 U	5 U
4,6-Dinitro-2-Methylphenol	--	--	UG/L	10 U	10 U	9.6 U	10 U
4-Bromophenyl Phenyl Ether	--	--	UG/L	2 U	2 U	1.9 U	2 U
4-Chloro-3-Methylphenol	--	--	UG/L	2 U	2 U	1.9 U	2 U

Table 8. Summary of Semivolatile Organic Compounds in Groundwater, Sendero Verde Redevelopment Project, East Harlem, New York

			Sample Designation:	SB-1	SB-1	SB-4	SB-4
			Sample Date:	05/03/2018	05/03/2018	05/02/2018	05/02/2018
			Sample Note:		Filtered		Filtered
Parameter	NYSDEC Ambient Water-Quality Standards	NYSDEC Ambient Water-Quality Guidance Values	Unit				
4-Chloroaniline	5	--	UG/L	5 U	5 U	4.8 U	5 U
4-Chlorophenyl Phenyl Ether	--	--	UG/L	2 U	2 U	1.9 U	2 U
4-Nitroaniline	5	--	UG/L	5 U	5 U	4.8 U	5 U
4-Nitrophenol	--	--	UG/L	10 U	10 U	9.6 U	10 U
Acenaphthene	--	20	UG/L	0.1 U	0.1 U	0.1 U	0.1 U
Acenaphthylene	--	20	UG/L	0.1 U	0.1 U	0.1 U	0.1 U
Acetophenone	--	--	UG/L	5 U	5 U	4.8 U	5 U
Anthracene	--	50	UG/L	0.1 U	0.1 U	0.1 U	0.1 U
Benzo(A)Anthracene	--	**0.002**	UG/L	0.1 U	0.1 U	0.1 U	0.1 U
Benzo(A)Pyrene	**0**	--	UG/L	0.1 U	0.1 U	0.1 U	0.1 U
Benzo(B)Fluoranthene	--	**0.002**	UG/L	0.1 U	0.1 U	0.1 U	0.1 U
Benzo(G,H,I)Perylene	--	--	UG/L	0.1 U	0.1 U	0.1 U	0.1 U
Benzo(K)Fluoranthene	--	**0.002**	UG/L	0.1 U	0.1 U	0.1 U	0.1 U
Benzoic Acid	--	--	UG/L	50 U	50 U	48 U	50 U
Benzyl Alcohol	--	--	UG/L	2 U	2 U	1.9 U	2 U
Benzyl Butyl Phthalate	--	50	UG/L	5 U	5 U	4.8 U	5 U
Biphenyl (Diphenyl)	--	--	UG/L	2 U	2 U	1.9 U	2 U
Bis(2-Chloroethoxy) Methane	5	--	UG/L	5 U	5 U	4.8 U	5 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	1	--	UG/L	2 U	2 U	1.9 U	2 U
Bis(2-Chloroisopropyl) Ether	5	--	UG/L	2 U	2 U	1.9 U	2 U
Bis(2-Ethylhexyl) Phthalate	**5**	--	UG/L	3 U	1.5 J	2.9 U	**9.4**
Carbazole	--	--	UG/L	2 U	2 U	1.9 U	2 U
Chrysene	--	**0.002**	UG/L	0.1 U	0.1 U	0.1 U	0.1 U

Table 8. Summary of Semivolatile Organic Compounds in Groundwater, Sendero Verde Redevelopment Project, East Harlem, New York

			Sample Designation:	SB-1	SB-1	SB-4	SB-4
			Sample Date:	05/03/2018	05/03/2018	05/02/2018	05/02/2018
			Sample Note:		Filtered		Filtered
Parameter	NYSDEC Ambient Water-Quality Standards	NYSDEC Ambient Water-Quality Guidance Values	Unit				
Dibenz(A,H)Anthracene	--	--	UG/L	0.1 U	0.1 U	0.1 U	0.1 U
Dibenzofuran	--	--	UG/L	2 U	2 U	1.9 U	2 U
Diethyl Phthalate	--	50	UG/L	5 U	5 U	4.8 U	5 U
Dimethyl Phthalate	--	50	UG/L	5 U	5 U	4.8 U	5 U
Di-N-Butyl Phthalate	50	--	UG/L	5 U	5 U	4.8 U	5 U
Di-N-Octylphthalate	--	--	UG/L	5 U	5 U	4.8 U	5 U
Fluoranthene	--	50	UG/L	0.11	0.06 J	0.1 U	0.1 U
Fluorene	--	50	UG/L	0.1 U	0.1 U	0.1 U	0.1 U
Hexachlorobenzene	0.04	--	UG/L	0.8 U	0.8 U	0.76 U	0.8 U
Hexachlorobutadiene	0.5	--	UG/L	0.5 U	0.5 U	0.48 U	0.5 U
Hexachlorocyclopentadiene	5	--	UG/L	20 U	20 U	19 U	20 U
Hexachloroethane	5	--	UG/L	0.8 U	0.8 U	0.76 U	0.8 U
Indeno(1,2,3-C,D)Pyrene	--	**0.002**	UG/L	0.1 U	0.1 U	0.1 U	0.1 U
Isophorone	--	50	UG/L	5 U	5 U	4.8 U	5 U
Naphthalene	--	10	UG/L	0.1 U	0.1 U	0.1 U	0.1 U
Nitrobenzene	0.4	--	UG/L	2 U	2 U	1.9 U	2 U
N-Nitrosodi-N-Propylamine	--	--	UG/L	5 U	5 U	4.8 U	5 U
N-Nitrosodiphenylamine	--	50	UG/L	2 U	2 U	1.9 U	2 U
Pentachlorophenol	1	--	UG/L	0.8 U	0.8 U	0.76 U	0.8 U
Phenanthrene	--	50	UG/L	0.08 J	0.06 J	0.1 U	0.1 U
Phenol	1	--	UG/L	5 U	5 U	4.8 U	5 U
Pyrene	--	50	UG/L	0.08 J	0.1 U	0.1 U	0.1 U

Table 8. Summary of Semivolatile Organic Compounds in Groundwater, Sendero Verde Redevelopment Project, East Harlem, New York

			Sample Designation:	SB-5	SB-5	SB-9	SB-9
			Sample Date:	05/02/2018	05/02/2018	05/03/2018	05/03/2018
			Sample Note:		Filtered		Filtered
Parameter	NYSDEC Ambient Water-Quality Standards	NYSDEC Ambient Water-Quality Guidance Values	Unit				
1,2,4,5-Tetrachlorobenzene	--	--	UG/L	9.6 U	10 U	10 U	10 U
1,2,4-Trichlorobenzene	5	--	UG/L	4.8 U	5 U	5 U	5 U
1,2-Dichlorobenzene	3	--	UG/L	1.9 U	2 U	2 U	2 U
1,3-Dichlorobenzene	3	--	UG/L	1.9 U	2 U	2 U	2 U
1,4-Dichlorobenzene	3	--	UG/L	1.9 U	2 U	2 U	2 U
2,4,5-Trichlorophenol	--	--	UG/L	4.8 U	5 U	5 U	5 U
2,4,6-Trichlorophenol	--	--	UG/L	4.8 U	5 U	5 U	5 U
2,4-Dichlorophenol	5	--	UG/L	4.8 U	5 U	5 U	5 U
2,4-Dimethylphenol	--	50	UG/L	4.8 U	5 U	5 U	5 U
2,4-Dinitrophenol	--	10	UG/L	19 U	20 U	20 U	20 U
2,4-Dinitrotoluene	5	--	UG/L	4.8 U	5 U	5 U	5 U
2,6-Dinitrotoluene	5	--	UG/L	4.8 U	5 U	5 U	5 U
2-Chloronaphthalene	--	10	UG/L	0.19 U	0.2 U	0.2 U	0.2 U
2-Chlorophenol	--	--	UG/L	1.9 U	2 U	2 U	2 U
2-Methylnaphthalene	--	--	UG/L	0.1 U	0.1 U	0.1 U	0.1 U
2-Methylphenol (O-Cresol)	--	--	UG/L	4.8 U	5 U	5 U	5 U
2-Nitroaniline	5	--	UG/L	4.8 U	5 U	5 U	5 U
2-Nitrophenol	--	--	UG/L	9.6 U	10 U	10 U	10 U
3- And 4- Methylphenol (Total)	--	--	UG/L	4.8 U	5 U	5 U	5 U
3,3'-Dichlorobenzidine	5	--	UG/L	4.8 U	5 U	5 U	5 U
3-Nitroaniline	5	--	UG/L	4.8 U	5 U	5 U	5 U
4,6-Dinitro-2-Methylphenol	--	--	UG/L	9.6 U	10 U	10 U	10 U
4-Bromophenyl Phenyl Ether	--	--	UG/L	1.9 U	2 U	2 U	2 U
4-Chloro-3-Methylphenol	--	--	UG/L	1.9 U	2 U	2 U	2 U

Table 8. Summary of Semivolatile Organic Compounds in Groundwater, Sendero Verde Redevelopment Project, East Harlem, New York

			Sample Designation:	SB-5	SB-5	SB-9	SB-9
			Sample Date:	05/02/2018	05/02/2018	05/03/2018	05/03/2018
			Sample Note:		Filtered		Filtered
Parameter	NYSDEC Ambient Water-Quality Standards	NYSDEC Ambient Water-Quality Guidance Values	Unit				
4-Chloroaniline	5	--	UG/L	4.8 U	5 U	5 U	5 U
4-Chlorophenyl Phenyl Ether	--	--	UG/L	1.9 U	2 U	2 U	2 U
4-Nitroaniline	5	--	UG/L	4.8 U	5 U	5 U	5 U
4-Nitrophenol	--	--	UG/L	9.6 U	10 U	10 U	10 U
Acenaphthene	--	20	UG/L	0.1 U	0.1 U	0.1 U	0.1 U
Acenaphthylene	--	20	UG/L	0.43	0.1 U	0.1 U	0.1 U
Acetophenone	--	--	UG/L	4.8 U	5 U	5 U	5 U
Anthracene	--	50	UG/L	0.16	0.1 U	0.1 U	0.1 U
Benzo(A)Anthracene	--	**0.002**	UG/L	**0.94**	0.1 U	0.1 U	0.1 U
Benzo(A)Pyrene	**0**	--	UG/L	**1.2**	0.1 U	0.1 U	0.1 U
Benzo(B)Fluoranthene	--	**0.002**	UG/L	**2.2**	0.1 U	0.1 U	0.1 U
Benzo(G,H,I)Perylene	--	--	UG/L	0.71	0.1 U	0.1 U	0.1 U
Benzo(K)Fluoranthene	--	**0.002**	UG/L	**0.82**	0.1 U	0.1 U	0.1 U
Benzoic Acid	--	--	UG/L	48 U	50 U	50 U	50 U
Benzyl Alcohol	--	--	UG/L	1.9 U	2 U	2 U	2 U
Benzyl Butyl Phthalate	--	50	UG/L	4.8 U	5 U	5 U	5 U
Biphenyl (Diphenyl)	--	--	UG/L	1.9 U	2 U	2 U	2 U
Bis(2-Chloroethoxy) Methane	5	--	UG/L	4.8 U	5 U	5 U	5 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	1	--	UG/L	1.9 U	2 U	2 U	2 U
Bis(2-Chloroisopropyl) Ether	5	--	UG/L	1.9 U	2 U	2 U	2 U
Bis(2-Ethylhexyl) Phthalate	**5**	--	UG/L	2.9 U	3 U	3 U	1 J
Carbazole	--	--	UG/L	1.9 U	2 U	2 U	2 U
Chrysene	--	**0.002**	UG/L	**1.3**	0.1 U	0.1 U	0.1 U

Table 8. Summary of Semivolatile Organic Compounds in Groundwater, Sendero Verde Redevelopment Project, East Harlem, New York

			Sample Designation:	SB-5	SB-5	SB-9	SB-9
			Sample Date:	05/02/2018	05/02/2018	05/03/2018	05/03/2018
			Sample Note:		Filtered		Filtered
Parameter	NYSDEC Ambient Water-Quality Standards	NYSDEC Ambient Water-Quality Guidance Values	Unit				
Dibenz(A,H)Anthracene	--	--	UG/L	0.2	0.1 U	0.1 U	0.1 U
Dibenzofuran	--	--	UG/L	1.9 U	2 U	2 U	2 U
Diethyl Phthalate	--	50	UG/L	4.8 U	5 U	5 U	5 U
Dimethyl Phthalate	--	50	UG/L	4.8 U	5 U	5 U	5 U
Di-N-Butyl Phthalate	50	--	UG/L	4.8 U	5 U	5 U	5 U
Di-N-Octylphthalate	--	--	UG/L	4.8 U	5 U	5 U	5 U
Fluoranthene	--	50	UG/L	2.6	0.06 J	0.1 U	0.1 U
Fluorene	--	50	UG/L	0.06 J	0.1 U	0.1 U	0.1 U
Hexachlorobenzene	0.04	--	UG/L	0.76 U	0.8 U	0.8 U	0.8 U
Hexachlorobutadiene	0.5	--	UG/L	0.48 U	0.5 U	0.5 U	0.5 U
Hexachlorocyclopentadiene	5	--	UG/L	19 U	20 U	20 U	20 U
Hexachloroethane	5	--	UG/L	0.76 U	0.8 U	0.8 U	0.8 U
Indeno(1,2,3-C,D)Pyrene	--	**0.002**	UG/L	**0.81**	0.1 U	0.1 U	0.1 U
Isophorone	--	50	UG/L	4.8 U	5 U	5 U	5 U
Naphthalene	--	10	UG/L	0.11	0.1 U	0.1 U	0.1 U
Nitrobenzene	0.4	--	UG/L	1.9 U	2 U	2 U	2 U
N-Nitrosodi-N-Propylamine	--	--	UG/L	4.8 U	5 U	5 U	5 U
N-Nitrosodiphenylamine	--	50	UG/L	1.9 U	2 U	2 U	2 U
Pentachlorophenol	1	--	UG/L	0.76 U	0.8 U	0.8 U	0.8 U
Phenanthrene	--	50	UG/L	1.2	0.12	0.04 J	0.05 J
Phenol	1	--	UG/L	4.8 U	5 U	5 U	5 U
Pyrene	--	50	UG/L	2	0.04 J	0.1 U	0.1 U

Table 8. Summary of Semivolatile Organic Compounds in Groundwater, Sendero Verde Redevelopment Project, East Harlem, New York

			Sample Designation:	SB-10	SB-10	SB-11	SB-11
			Sample Date:	05/02/2018	05/02/2018	05/04/2018	05/04/2018
			Sample Note:		Filtered		Filtered
Parameter	NYSDEC Ambient Water-Quality Standards	NYSDEC Ambient Water-Quality Guidance Values	Unit				
1,2,4,5-Tetrachlorobenzene	--	--	UG/L	9.8 U	10 U	10 U	10 U
1,2,4-Trichlorobenzene	5	--	UG/L	4.9 U	5 U	5 U	5 U
1,2-Dichlorobenzene	3	--	UG/L	2 U	2 U	2 U	2 U
1,3-Dichlorobenzene	3	--	UG/L	2 U	2 U	2 U	2 U
1,4-Dichlorobenzene	3	--	UG/L	2 U	2 U	2 U	2 U
2,4,5-Trichlorophenol	--	--	UG/L	4.9 U	5 U	5 U	5 U
2,4,6-Trichlorophenol	--	--	UG/L	4.9 U	5 U	5 U	5 U
2,4-Dichlorophenol	5	--	UG/L	4.9 U	5 U	5 U	5 U
2,4-Dimethylphenol	--	50	UG/L	4.9 U	5 U	5 U	5 U
2,4-Dinitrophenol	--	10	UG/L	20 U	20 U	20 U	20 U
2,4-Dinitrotoluene	5	--	UG/L	4.9 U	5 U	5 U	5 U
2,6-Dinitrotoluene	5	--	UG/L	4.9 U	5 U	5 U	5 U
2-Chloronaphthalene	--	10	UG/L	0.2 U	0.2 U	0.2 U	0.2 U
2-Chlorophenol	--	--	UG/L	2 U	2 U	2 U	2 U
2-Methylnaphthalene	--	--	UG/L	0.1 U	0.1 U	0.09 J	0.1 U
2-Methylphenol (O-Cresol)	--	--	UG/L	4.9 U	5 U	5 U	5 U
2-Nitroaniline	5	--	UG/L	4.9 U	5 U	5 U	5 U
2-Nitrophenol	--	--	UG/L	9.8 U	10 U	10 U	10 U
3- And 4- Methylphenol (Total)	--	--	UG/L	4.9 U	5 U	5 U	5 U
3,3'-Dichlorobenzidine	5	--	UG/L	4.9 U	5 U	5 U	5 U
3-Nitroaniline	5	--	UG/L	4.9 U	5 U	5 U	5 U
4,6-Dinitro-2-Methylphenol	--	--	UG/L	9.8 U	10 U	10 U	10 U
4-Bromophenyl Phenyl Ether	--	--	UG/L	2 U	2 U	2 U	2 U
4-Chloro-3-Methylphenol	--	--	UG/L	2 U	2 U	2 U	2 U

Table 8. Summary of Semivolatile Organic Compounds in Groundwater, Sendero Verde Redevelopment Project, East Harlem, New York

			Sample Designation:	SB-10	SB-10	SB-11	SB-11
			Sample Date:	05/02/2018	05/02/2018	05/04/2018	05/04/2018
			Sample Note:		Filtered		Filtered
Parameter	NYSDEC Ambient Water-Quality Standards	NYSDEC Ambient Water-Quality Guidance Values	Unit				
4-Chloroaniline	5	--	UG/L	4.9 U	5 U	5 U	5 U
4-Chlorophenyl Phenyl Ether	--	--	UG/L	2 U	2 U	2 U	2 U
4-Nitroaniline	5	--	UG/L	4.9 U	5 U	5 U	5 U
4-Nitrophenol	--	--	UG/L	9.8 U	10 U	10 U	10 U
Acenaphthene	--	20	UG/L	0.1 U	0.1 U	0.1 U	0.1 U
Acenaphthylene	--	20	UG/L	0.09 J	0.1 U	0.15	0.1 U
Acetophenone	--	--	UG/L	4.9 U	5 U	5 U	5 U
Anthracene	--	50	UG/L	0.07 J	0.1 U	0.09 J	0.1 U
Benzo(A)Anthracene	--	**0.002**	UG/L	**0.35**	0.1 U	**0.1**	0.1 U
Benzo(A)Pyrene	**0**	--	UG/L	**0.33**	0.1 U	**0.1**	0.1 U
Benzo(B)Fluoranthene	--	**0.002**	UG/L	**0.48**	0.1 U	**0.14**	0.1 U
Benzo(G,H,I)Perylene	--	--	UG/L	0.2	0.1 U	0.07 J	0.1 U
Benzo(K)Fluoranthene	--	**0.002**	UG/L	**0.19**	0.1 U	**0.06 J**	0.1 U
Benzoic Acid	--	--	UG/L	49 U	50 U	50 U	50 U
Benzyl Alcohol	--	--	UG/L	2 U	2 U	2 U	2 U
Benzyl Butyl Phthalate	--	50	UG/L	4.9 U	5 U	5 U	5 U
Biphenyl (Diphenyl)	--	--	UG/L	2 U	2 U	2 U	2 U
Bis(2-Chloroethoxy) Methane	5	--	UG/L	4.9 U	5 U	5 U	5 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	1	--	UG/L	2 U	2 U	2 U	2 U
Bis(2-Chloroisopropyl) Ether	5	--	UG/L	2 U	2 U	2 U	2 U
Bis(2-Ethylhexyl) Phthalate	**5**	--	UG/L	2.9 U	3 U	3 U	3 U
Carbazole	--	--	UG/L	2 U	2 U	2 U	2 U
Chrysene	--	**0.002**	UG/L	**0.38**	0.1 U	**0.11**	0.1 U

Table 8. Summary of Semivolatile Organic Compounds in Groundwater, Sendero Verde Redevelopment Project, East Harlem, New York

			Sample Designation:	SB-10	SB-10	SB-11	SB-11
			Sample Date:	05/02/2018	05/02/2018	05/04/2018	05/04/2018
			Sample Note:		Filtered		Filtered
Parameter	NYSDEC Ambient Water-Quality Standards	NYSDEC Ambient Water-Quality Guidance Values	Unit				
Dibenz(A,H)Anthracene	--	--	UG/L	0.06 J	0.1 U	0.1 U	0.1 U
Dibenzofuran	--	--	UG/L	2 U	2 U	2 U	2 U
Diethyl Phthalate	--	50	UG/L	4.9 U	5 U	5 U	5 U
Dimethyl Phthalate	--	50	UG/L	4.9 U	5 U	5 U	5 U
Di-N-Butyl Phthalate	50	--	UG/L	4.9 U	5 U	5 U	5 U
Di-N-Octylphthalate	--	--	UG/L	4.9 U	5 U	5 U	5 U
Fluoranthene	--	50	UG/L	0.74	0.09 J	0.32	0.1 U
Fluorene	--	50	UG/L	0.1 U	0.1 U	0.17	0.1 U
Hexachlorobenzene	0.04	--	UG/L	0.78 U	0.8 U	0.8 U	0.8 U
Hexachlorobutadiene	0.5	--	UG/L	0.49 U	0.5 U	0.5 U	0.5 U
Hexachlorocyclopentadiene	5	--	UG/L	20 U	20 U	20 U	20 U
Hexachloroethane	5	--	UG/L	0.78 U	0.8 U	0.8 U	0.8 U
Indeno(1,2,3-C,D)Pyrene	--	**0.002**	UG/L	**0.21**	0.1 U	**0.07 J**	0.1 U
Isophorone	--	50	UG/L	4.9 U	5 U	5 U	5 U
Naphthalene	--	10	UG/L	0.1 U	0.1 U	0.19	0.1 U
Nitrobenzene	0.4	--	UG/L	2 U	2 U	2 U	2 U
N-Nitrosodi-N-Propylamine	--	--	UG/L	4.9 U	5 U	5 U	5 U
N-Nitrosodiphenylamine	--	50	UG/L	2 U	2 U	2 U	2 U
Pentachlorophenol	1	--	UG/L	0.78 U	0.8 U	0.8 U	0.8 U
Phenanthrene	--	50	UG/L	0.35	0.14	0.58	0.08 J
Phenol	1	--	UG/L	4.9 U	5 U	5 U	5 U
Pyrene	--	50	UG/L	0.69	0.07 J	0.24	0.1 U

Table 9. Summary of Metals in Groundwater, Sendero Verde Redevelopment Project, East Harlem, New York

			Sample Designation:	SB-1	SB-1	SB-4	SB-4	SB-5	SB-5
			Sample Date:	05/03/2018	05/03/2018	05/02/2018	05/02/2018	05/02/2018	05/02/2018
			Sample Note:						
			Sample Fraction:	Total	Dissolved	Total	Dissolved	Total	Dissolved
Parameter	NYSDEC Ambient Water-Quality Standards	NYSDEC Ambient Water-Quality Guidance Values	Unit						
Aluminum	--	--	UG/L	2730	19.8	12100	25.1	8820	12
Antimony	**3**	--	UG/L	**7.46**	0.55 J	1.78 J	0.87 J	**7.75**	2.5 J
Arsenic	25	--	UG/L	1.95	0.71	6.47	0.55	9.85	0.45 J
Barium	**1000**	--	UG/L	168.6	18.73	**3150**	58.97	**2173**	43.16
Beryllium	--	3	UG/L	0.23 J	0.5 U	1.09	0.5 U	0.86	0.5 U
Cadmium	5	--	UG/L	0.21	0.33	1.21	0.2 U	1.8	0.2 U
Calcium	--	--	UG/L	34200	33200	58900	25600	229000	135000
Chromium, Total	**50**	--	UG/L	10.04	1.01	**68.41**	3.48	35.72	3.27
Cobalt	--	--	UG/L	2.73	0.5 U	21.28	0.5 U	16.61	0.66
Copper	200	--	UG/L	13.36	2.19	66.4	1.21	78.74	1.41
Iron	**300**	--	UG/L	**3550**	50 U	**22200**	50 U	**14200**	50 U
Lead	**25**	--	UG/L	**121.4**	0.43 J	**285.7**	0.34 J	**1558**	1.71
Magnesium	--	35000	UG/L	2850	1890	8470	4260	17400	12100
Manganese	**300**	--	UG/L	165.7	14.61	**843.5**	5.46	**1101**	85.81
Mercury	**0.7**	--	UG/L	0.2 U	0.2 U	0.26	0.2 U	**0.92**	0.2 U
Nickel	100	--	UG/L	5.88	2 U	30.34	2 U	22.81	0.98 J
Potassium	--	--	UG/L	1340	971	3930	3000	5240	4280
Selenium	10	--	UG/L	5 U	5 U	2.34 J	5 U	2.85 J	5 U
Silver	50	--	UG/L	0.3 J	0.4 U	0.56	0.4 U	0.22 J	0.4 U
Sodium	**20000**	--	UG/L	12400	11400	19400	**21000**	**22600**	**23000**
Thallium	--	0.5	UG/L	0.17 J	0.5 U	0.16 J	0.5 U	0.2 J	0.5 U
Vanadium	--	--	UG/L	7.41	5 U	41.45	5 U	37.71	5 U
Zinc	--	2000	UG/L	95.71	3.96 J	1014	3.46 J	1130	7.65 J

Table 9. Summary of Metals in Groundwater, Sendero Verde Redevelopment Project, East Harlem, New York

			Sample Designation:	SB-9	SB-9	SB-10	SB-10	SB-11	SB-11
			Sample Date:	05/03/2018	05/03/2018	05/02/2018	05/02/2018	05/04/2018	05/04/2018
			Sample Note:						
			Sample Fraction:	Total	Dissolved	Total	Dissolved	Total	Dissolved
Parameter	NYSDEC Ambient Water-Quality Standards	NYSDEC Ambient Water-Quality Guidance Values	Unit						
Aluminum	--	--	UG/L	8150	3.96 J	2520	6.44 J	2440	16
Antimony	**3**	--	UG/L	1.67 J	0.85 J	2.29 J	0.85 J	2.2 J	1.27 J
Arsenic	25	--	UG/L	4.23	0.19 J	1.84	0.33 J	5.69	0.93
Barium	**1000**	--	UG/L	328.3	100.4	643.8	34.79	739	54.82
Beryllium	--	3	UG/L	0.8	0.5 U	0.24 J	0.5 U	0.24 J	0.5 U
Cadmium	5	--	UG/L	0.18 J	0.06 J	0.48	0.09 J	0.42	0.2 U
Calcium	--	--	UG/L	85500	79400	56500	55300	51000	33800
Chromium, Total	**50**	--	UG/L	32.15	1 U	11.88	1.81	14.17	4.24
Cobalt	--	--	UG/L	13.68	0.76	3.26	0.5 U	3.9	0.5 U
Copper	200	--	UG/L	43.76	1.74 J	12.29	1.13	15.9	0.95 J
Iron	**300**	--	UG/L	**14600**	50 U	**3580**	50 U	**4220**	50 U
Lead	**25**	--	UG/L	19.6	1 U	**74.15**	0.49 J	**161.2**	0.37 J
Magnesium	--	35000	UG/L	21600	17800	12300	12100	10600	8210
Manganese	**300**	--	UG/L	**1540**	212.5	**471.7**	11.72	**479.4**	17.98
Mercury	**0.7**	--	UG/L	0.2 U	0.2 U	0.13 J	0.2 U	0.2 U	0.2 U
Nickel	100	--	UG/L	19.88	1.88 J	6.79	2 U	7.38	2 U
Potassium	--	--	UG/L	5570	4420	3780	3720	3840	3360
Selenium	10	--	UG/L	2.47 J	5 U	5.37	4.69 J	5.76	5.33
Silver	50	--	UG/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Sodium	**20000**	--	UG/L	**74000**	**68300**	**58000**	**59200**	18800	19500
Thallium	--	0.5	UG/L	0.5 U	0.5 U	0.14 J	0.5 U	0.39 J	0.5 U
Vanadium	--	--	UG/L	29.98	5 U	8.52	5 U	9.32	5 U
Zinc	--	2000	UG/L	36.12	10 U	204.7	10.8	335.4	3.98 J

Table 10. Summary of Polychlorinated Biphenyls in Groundwater, Sendero Verde Redevelopment Project, East Harlem, New York

			Sample Designation:	SB-1	SB-1	SB-4	SB-4
			Sample Date:	05/03/2018	05/03/2018	05/02/2018	05/02/2018
			Sample Note:		Filtered		Filtered
Parameter	NYSDEC Ambient Water-Quality Standards	NYSDEC Ambient Water-Quality Guidance Values	Unit				
PCB-1016 (Aroclor 1016)	--	--	UG/L	0.083 U	0.083 U	0.083 U	0.083 U
PCB-1221 (Aroclor 1221)	--	--	UG/L	0.083 U	0.083 U	0.083 U	0.083 U
PCB-1232 (Aroclor 1232)	--	--	UG/L	0.083 U	0.083 U	0.083 U	0.083 U
PCB-1242 (Aroclor 1242)	--	--	UG/L	0.083 U	0.083 U	0.083 U	0.083 U
PCB-1248 (Aroclor 1248)	--	--	UG/L	0.083 U	0.083 U	0.083 U	0.083 U
PCB-1254 (Aroclor 1254)	--	--	UG/L	0.083 U	0.083 U	0.083 U	0.083 U
PCB-1260 (Aroclor 1260)	--	--	UG/L	0.083 U	0.083 U	0.083 U	0.083 U
PCB-1262 (Aroclor 1262)	--	--	UG/L	0.083 U	0.083 U	0.083 U	0.083 U
PCB-1268 (Aroclor 1268)	--	--	UG/L	0.083 U	0.083 U	0.083 U	0.083 U
Polychlorinated Biphenyl (PCBs)	0.09	--	UG/L	0.083 U	0.083 U	0.083 U	0.083 U

Table 10. Summary of Polychlorinated Biphenyls in Groundwater, Sendero Verde Redevelopment Project, East Harlem, New York

			Sample Designation:	SB-5	SB-5	SB-9	SB-9
			Sample Date:	05/02/2018	05/02/2018	05/03/2018	05/03/2018
			Sample Note:		Filtered		Filtered
Parameter	NYSDEC Ambient Water-Quality Standards	NYSDEC Ambient Water-Quality Guidance Values	Unit				
PCB-1016 (Aroclor 1016)	--	--	UG/L	0.083 U	0.083 U	0.083 U	0.083 U
PCB-1221 (Aroclor 1221)	--	--	UG/L	0.083 U	0.083 U	0.083 U	0.083 U
PCB-1232 (Aroclor 1232)	--	--	UG/L	0.083 U	0.083 U	0.083 U	0.083 U
PCB-1242 (Aroclor 1242)	--	--	UG/L	0.083 U	0.083 U	0.083 U	0.083 U
PCB-1248 (Aroclor 1248)	--	--	UG/L	0.083 U	0.083 U	0.083 U	0.083 U
PCB-1254 (Aroclor 1254)	--	--	UG/L	0.083 U	0.083 U	0.083 U	0.083 U
PCB-1260 (Aroclor 1260)	--	--	UG/L	0.083 U	0.083 U	0.083 U	0.083 U
PCB-1262 (Aroclor 1262)	--	--	UG/L	0.083 U	0.083 U	0.083 U	0.083 U
PCB-1268 (Aroclor 1268)	--	--	UG/L	0.083 U	0.083 U	0.083 U	0.083 U
Polychlorinated Biphenyl (PCBs)	0.09	--	UG/L	0.083 U	0.083 U	0.083 U	0.083 U

Table 10. Summary of Polychlorinated Biphenyls in Groundwater, Sendero Verde Redevelopment Project, East Harlem, New York

			Sample Designation:	SB-10	SB-10	SB-11	SB-11
			Sample Date:	05/02/2018	05/02/2018	05/04/2018	05/04/2018
			Sample Note:		Filtered		Filtered
Parameter	NYSDEC Ambient Water-Quality Standards	NYSDEC Ambient Water-Quality Guidance Values	Unit				
PCB-1016 (Aroclor 1016)	--	--	UG/L	0.083 U	0.083 U	0.083 U	0.083 U
PCB-1221 (Aroclor 1221)	--	--	UG/L	0.083 U	0.083 U	0.083 U	0.083 U
PCB-1232 (Aroclor 1232)	--	--	UG/L	0.083 U	0.083 U	0.083 U	0.083 U
PCB-1242 (Aroclor 1242)	--	--	UG/L	0.083 U	0.083 U	0.083 U	0.083 U
PCB-1248 (Aroclor 1248)	--	--	UG/L	0.083 U	0.083 U	0.083 U	0.083 U
PCB-1254 (Aroclor 1254)	--	--	UG/L	0.083 U	0.083 U	0.083 U	0.083 U
PCB-1260 (Aroclor 1260)	--	--	UG/L	0.083 U	0.083 U	0.083 U	0.083 U
PCB-1262 (Aroclor 1262)	--	--	UG/L	0.083 U	0.083 U	0.083 U	0.083 U
PCB-1268 (Aroclor 1268)	--	--	UG/L	0.083 U	0.083 U	0.083 U	0.083 U
Polychlorinated Biphenyl (PCBs)	0.09	--	UG/L	0.083 U	0.083 U	0.083 U	0.083 U

Table 11. Summary of Pesticides and Herbicides in Groundwater, Sendero Verde Redevelopment Project, East Harlem, New York

			Sample Designation:	SB-1	SB-1	SB-4	SB-4
			Sample Date:	05/03/2018	05/03/2018	05/02/2018	05/02/2018
			Sample Note:		Filtered		Filtered
Parameter	NYSDEC Ambient Water-Quality Standards	NYSDEC Ambient Water-Quality Guidance Values	Unit				
Aldrin	0	--	UG/L	0.014 U	0.014 U	0.014 U	0.014 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	--	--	UG/L	0.014 U	0.014 U	0.014 U	0.014 U
Alpha Endosulfan	--	--	UG/L	0.014 U	0.014 U	0.014 U	0.014 U
Beta Bhc (Beta Hexachlorocyclohexane)	--	--	UG/L	0.014 U	0.014 U	0.014 U	0.014 U
Beta Endosulfan	--	--	UG/L	0.029 U	0.029 U	0.029 U	0.029 U
Chlordane	**0.05**	--	UG/L	0.143 U	0.143 U	**0.074 J**	0.143 U
cis-Chlordane	--	--	UG/L	0.005 J	0.014 U	0.006 J	0.006 J
Delta BHC (Delta Hexachlorocyclohexane)	--	--	UG/L	0.014 U	0.014 U	0.014 U	0.014 U
Dieldrin	**0.004**	--	UG/L	**0.016 J**	**0.01 J**	**0.021 J**	**0.022 J**
Endosulfan Sulfate	--	--	UG/L	0.029 U	0.029 U	0.029 U	0.029 U
Endrin	0	--	UG/L	0.029 U	0.029 U	0.029 U	0.029 U
Endrin Aldehyde	5	--	UG/L	0.029 U	0.029 U	0.029 U	0.029 U
Endrin Ketone	--	--	UG/L	0.029 U	0.029 U	0.029 U	0.029 U
Gamma Bhc (Lindane)	--	--	UG/L	0.014 U	0.014 U	0.014 U	0.014 U
Heptachlor	0.04	--	UG/L	0.014 U	0.014 U	0.014 U	0.014 U
Heptachlor Epoxide	0.03	--	UG/L	0.014 U	0.014 U	0.014 U	0.014 U
Methoxychlor	35	--	UG/L	0.143 U	0.143 U	0.143 U	0.143 U
P,P'-DDD	0.3	--	UG/L	0.029 U	0.029 U	0.003 J	0.029 U
P,P'-DDE	0.2	--	UG/L	0.003 J	0.029 U	0.009 J	0.029 U
P,P'-DDT	**0.2**	--	UG/L	0.012 J	0.029 U	0.038	0.008 J
Toxaphene	0.06	--	UG/L	0.143 U	0.143 U	0.143 U	0.143 U
trans-Chlordane	--	--	UG/L	0.005 J	0.014 U	0.006 J	0.014 U

Table 11. Summary of Pesticides and Herbicides in Groundwater, Sendero Verde Redevelopment Project, East Harlem, New York

			Sample Designation:	SB-5	SB-5	SB-9	SB-9
			Sample Date:	05/02/2018	05/02/2018	05/03/2018	05/03/2018
			Sample Note:		Filtered		Filtered
Parameter	NYSDEC Ambient Water-Quality Standards	NYSDEC Ambient Water-Quality Guidance Values	Unit				
Aldrin	0	--	UG/L	0.014 U	0.014 U	0.014 U	0.014 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	--	--	UG/L	0.014 U	0.014 U	0.014 U	0.014 U
Alpha Endosulfan	--	--	UG/L	0.014 U	0.014 U	0.014 U	0.014 U
Beta Bhc (Beta Hexachlorocyclohexane)	--	--	UG/L	0.014 U	0.014 U	0.014 U	0.014 U
Beta Endosulfan	--	--	UG/L	0.029 U	0.029 U	0.029 U	0.029 U
Chlordane	**0.05**	--	UG/L	**0.516**	0.143 U	0.143 U	0.143 U
cis-Chlordane	--	--	UG/L	0.086	0.006 J	0.014 U	0.014 U
Delta BHC (Delta Hexachlorocyclohexane)	--	--	UG/L	0.014 U	0.014 U	0.014 U	0.014 U
Dieldrin	**0.004**	--	UG/L	0.029 U	0.029 U	0.029 U	0.029 U
Endosulfan Sulfate	--	--	UG/L	0.029 U	0.029 U	0.029 U	0.029 U
Endrin	0	--	UG/L	0.029 U	0.029 U	0.029 U	0.029 U
Endrin Aldehyde	5	--	UG/L	0.029 U	0.029 U	0.009 J	0.029 U
Endrin Ketone	--	--	UG/L	0.029 U	0.029 U	0.029 U	0.029 U
Gamma Bhc (Lindane)	--	--	UG/L	0.014 U	0.014 U	0.014 U	0.014 U
Heptachlor	0.04	--	UG/L	0.006 J	0.014 U	0.014 U	0.014 U
Heptachlor Epoxide	0.03	--	UG/L	0.004 JPI	0.014 U	0.014 U	0.014 U
Methoxychlor	35	--	UG/L	0.143 U	0.143 U	0.143 U	0.143 U
P,P'-DDD	0.3	--	UG/L	0.027 J	0.029 U	0.029 U	0.029 U
P,P'-DDE	0.2	--	UG/L	0.116	0.004 J	0.029 U	0.029 U
P,P'-DDT	**0.2**	--	UG/L	**0.496**	0.01 J	0.004 J	0.029 U
Toxaphene	0.06	--	UG/L	0.143 U	0.143 U	0.143 U	0.143 U
trans-Chlordane	--	--	UG/L	0.054	0.005 J	0.014 U	0.014 U

Table 11. Summary of Pesticides and Herbicides in Groundwater, Sendero Verde Redevelopment Project, East Harlem, New York

			Sample Designation:	SB-10	SB-10	SB-11	SB-11
			Sample Date:	05/02/2018	05/02/2018	05/04/2018	05/04/2018
			Sample Note:		Filtered		Filtered
Parameter	NYSDEC Ambient Water-Quality Standards	NYSDEC Ambient Water-Quality Guidance Values	Unit				
Aldrin	0	--	UG/L	0.014 U	0.014 U	0.014 U	0.014 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	--	--	UG/L	0.014 U	0.014 U	0.014 U	0.014 U
Alpha Endosulfan	--	--	UG/L	0.014 U	0.014 U	0.014 U	0.014 U
Beta Bhc (Beta Hexachlorocyclohexane)	--	--	UG/L	0.014 U	0.014 U	0.014 U	0.014 U
Beta Endosulfan	--	--	UG/L	0.029 U	0.029 U	0.029 U	0.029 U
Chlordane	**0.05**	--	UG/L	0.143 U	0.143 U	**0.285**	0.143 U
cis-Chlordane	--	--	UG/L	0.008 J	0.014 U	0.066 P	0.014 U
Delta BHC (Delta Hexachlorocyclohexane)	--	--	UG/L	0.014 U	0.014 U	0.014 U	0.014 U
Dieldrin	**0.004**	--	UG/L	**0.007 J**	**0.008 J**	**0.021 J**	0.029 U
Endosulfan Sulfate	--	--	UG/L	0.029 U	0.029 U	0.029 U	0.029 U
Endrin	0	--	UG/L	0.029 U	0.029 U	0.029 U	0.029 U
Endrin Aldehyde	5	--	UG/L	0.029 U	0.029 U	0.029 U	0.029 U
Endrin Ketone	--	--	UG/L	0.029 U	0.029 U	0.029 U	0.029 U
Gamma Bhc (Lindane)	--	--	UG/L	0.014 U	0.014 U	0.014 U	0.014 U
Heptachlor	0.04	--	UG/L	0.014 U	0.014 U	0.004 J	0.014 U
Heptachlor Epoxide	0.03	--	UG/L	0.014 U	0.014 U	0.014 U	0.014 U
Methoxychlor	35	--	UG/L	0.143 U	0.143 U	0.143 U	0.143 U
P,P'-DDD	0.3	--	UG/L	0.029 U	0.029 U	0.011 J	0.029 U
P,P'-DDE	0.2	--	UG/L	0.029 U	0.029 U	0.107	0.029 U
P,P'-DDT	**0.2**	--	UG/L	0.017 J	0.007 J	**0.409**	0.021 J
Toxaphene	0.06	--	UG/L	0.143 U	0.143 U	0.143 U	0.143 U
trans-Chlordane	--	--	UG/L	0.014 U	0.014 U	0.061	0.014 U

Table 12. Summary of Volatile Organic Compounds in Soil Vapor, Sendero Verde Redevelopment Project, East Harlem, New York

Sample Designation:		SV-1	SV-2	SV-3	SV-4	SV-5	SV-6	SV-7	SV-8
Sample Date:		05/04/2018	05/04/2018	05/04/2018	05/04/2018	05/04/2018	05/04/2018	05/04/2018	05/04/2018
Parameter	Unit								
1,1,1-Trichloroethane (TCA)	UG/M3	5.46 U	10.9 U	10.9 U	5.46 U	10.9 U	11 U	5.46 U	10.9 U
1,1,2,2-Tetrachloroethane	UG/M3	6.87 U	13.7 U	13.7 U	6.87 U	13.7 U	13.9 U	6.87 U	13.7 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	UG/M3	7.66 U	15.3 U	15.3 U	7.66 U	15.3 U	15.5 U	7.66 U	15.3 U
1,1,2-Trichloroethane	UG/M3	5.46 U	10.9 U	10.9 U	5.46 U	10.9 U	11 U	5.46 U	10.9 U
1,1-Dichloroethane	UG/M3	4.05 U	8.09 U	8.09 U	4.05 U	8.09 U	8.18 U	4.05 U	8.09 U
1,1-Dichloroethene	UG/M3	3.96 U	7.93 U	7.93 U	3.96 U	7.93 U	8.01 U	3.96 U	7.93 U
1,2,4-Trichlorobenzene	UG/M3	7.42 U	14.8 U	14.8 U	7.42 U	14.8 U	15 U	7.42 U	14.8 U
1,2,4-Trimethylbenzene	UG/M3	**15**	9.83 U	9.83 U	**17.8**	9.83 U	9.93 U	**18.5**	9.83 U
1,2-Dibromoethane (Ethylene Dibromide)	UG/M3	7.69 U	15.4 U	15.4 U	7.69 U	15.4 U	15.5 U	7.69 U	15.4 U
1,2-Dichlorobenzene	UG/M3	6.01 U	12 U	12 U	6.01 U	12 U	12.1 U	6.01 U	12 U
1,2-Dichloroethane	UG/M3	4.05 U	8.09 U	8.09 U	4.05 U	8.09 U	8.18 U	4.05 U	8.09 U
1,2-Dichloropropane	UG/M3	4.62 U	9.24 U	9.24 U	4.62 U	9.24 U	9.34 U	4.62 U	9.24 U
1,2-Dichlorotetrafluoroethane	UG/M3	6.99 U	14 U	14 U	6.99 U	14 U	14.1 U	6.99 U	14 U
1,3,5-Trimethylbenzene (Mesitylene)	UG/M3	4.92 U	9.83 U	9.83 U	4.92 U	9.83 U	9.93 U	4.92 U	9.83 U
1,3-Butadiene	UG/M3	2.21 U	4.42 U	4.42 U	2.21 U	4.42 U	4.47 U	2.21 U	4.42 U
1,3-Dichlorobenzene	UG/M3	6.01 U	12 U	12 U	6.01 U	12 U	12.1 U	6.01 U	12 U
1,4-Dichlorobenzene	UG/M3	6.01 U	12 U	12 U	6.01 U	12 U	12.1 U	6.01 U	12 U
1,4-Dioxane (P-Dioxane)	UG/M3	3.6 U	7.21 U	7.21 U	3.6 U	7.21 U	7.28 U	3.6 U	7.21 U
2,2,4-Trimethylpentane	UG/M3	4.67 U	9.34 U	9.34 U	4.67 U	9.34 U	9.43 U	4.67 U	9.34 U
2-Hexanone	UG/M3	**161**	**253**	**150**	**107**	**194**	**371**	**150**	**287**
4-Ethyltoluene	UG/M3	4.92 U	9.83 U	9.83 U	4.92 U	9.83 U	9.93 U	4.92 U	9.83 U
Acetone	UG/M3	**120**	**349**	**456**	**347**	**551**	**822**	**257**	**485**
Allyl Chloride (3-Chloropropene)	UG/M3	3.13 U	6.26 U	6.26 U	3.13 U	6.26 U	6.32 U	3.13 U	6.26 U
Benzene	UG/M3	3.19 U	6.39 U	6.39 U	3.19 U	6.39 U	6.45 U	3.19 U	6.39 U
Benzyl Chloride	UG/M3	5.18 U	10.4 U	10.4 U	5.18 U	10.4 U	10.5 U	5.18 U	10.4 U
Bromodichloromethane	UG/M3	6.7 U	13.4 U	13.4 U	6.7 U	13.4 U	13.5 U	6.7 U	13.4 U
Bromoform	UG/M3	10.3 U	20.7 U	20.7 U	10.3 U	20.7 U	20.9 U	10.3 U	20.7 U
Bromomethane	UG/M3	3.88 U	7.77 U	7.77 U	3.88 U	7.77 U	7.84 U	3.88 U	7.77 U
Carbon Disulfide	UG/M3	3.11 U	6.23 U	6.23 U	3.11 U	6.23 U	6.29 U	3.11 U	6.23 U
Carbon Tetrachloride	UG/M3	6.29 U	12.6 U	12.6 U	6.29 U	12.6 U	12.7 U	6.29 U	12.6 U
Chlorobenzene	UG/M3	4.61 U	9.21 U	9.21 U	4.61 U	9.21 U	9.3 U	4.61 U	9.21 U
Chloroethane	UG/M3	2.64 U	5.28 U	5.28 U	2.64 U	5.28 U	5.33 U	2.64 U	5.28 U
Chloroform	UG/M3	4.88 U	**44.7**	**33.2**	**6.01**	9.77 U	**128**	**5.37**	**78.6**
Chloromethane	UG/M3	2.07 U	4.13 U	4.13 U	2.07 U	4.13 U	4.17 U	2.07 U	4.13 U

Table 12. Summary of Volatile Organic Compounds in Soil Vapor, Sendero Verde Redevelopment Project, East Harlem, New York

Sample Designation:		SV-1	SV-2	SV-3	SV-4	SV-5	SV-6	SV-7	SV-8
Sample Date:		05/04/2018	05/04/2018	05/04/2018	05/04/2018	05/04/2018	05/04/2018	05/04/2018	05/04/2018
Parameter	Unit								
Cis-1,2-Dichloroethylene	UG/M3	3.96 U	7.93 U	7.93 U	3.96 U	7.93 U	8.01 U	3.96 U	7.93 U
Cis-1,3-Dichloropropene	UG/M3	4.54 U	9.08 U	9.08 U	4.54 U	9.08 U	9.17 U	4.54 U	9.08 U
Cyclohexane	UG/M3	3.44 U	6.88 U	6.88 U	3.44 U	6.88 U	6.95 U	3.44 U	6.88 U
Dibromochloromethane	UG/M3	8.52 U	17 U	17 U	8.52 U	17 U	17.2 U	8.52 U	17 U
Dichlorodifluoromethane	UG/M3	4.94 U	9.89 U	9.89 U	**53.4**	9.89 U	9.99 U	4.94 U	9.89 U
Ethanol	UG/M3	47.1 U	94.2 U	94.2 U	**51.8**	**111**	95.3 U	**50.1**	**122**
Ethyl Acetate	UG/M3	9.01 U	18 U	18 U	9.01 U	18 U	18.2 U	9.01 U	18 U
Ethylbenzene	UG/M3	4.34 U	8.69 U	8.69 U	4.34 U	8.69 U	8.77 U	**4.43**	8.69 U
Hexachlorobutadiene	UG/M3	10.7 U	21.3 U	21.3 U	10.7 U	21.3 U	21.5 U	10.7 U	21.3 U
Isopropanol	UG/M3	6.15 U	12.3 U	12.3 U	6.15 U	12.3 U	12.4 U	6.15 U	12.3 U
m,p-Xylene	UG/M3	**14.9**	17.4 U	17.4 U	**14.9**	17.4 U	17.5 U	**16.4**	17.4 U
Methyl Ethyl Ketone (2-Butanone)	UG/M3	**817**	**1770**	**1340**	**1240**	**1710**	**2660**	**1400**	**2020**
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	UG/M3	10.2 U	20.5 U	20.5 U	10.2 U	20.5 U	20.7 U	10.2 U	20.5 U
Methylene Chloride	UG/M3	8.69 U	17.4 U	17.4 U	8.69 U	17.4 U	17.6 U	8.69 U	17.4 U
N-Heptane	UG/M3	4.1 U	8.2 U	8.2 U	4.1 U	**13.9**	8.28 U	4.1 U	8.2 U
N-Hexane	UG/M3	3.52 U	7.05 U	7.05 U	3.52 U	**20.7**	7.12 U	3.52 U	7.05 U
O-Xylene (1,2-Dimethylbenzene)	UG/M3	**7.3**	8.69 U	8.69 U	**6.69**	8.69 U	8.77 U	**7.47**	8.69 U
Styrene	UG/M3	4.26 U	8.52 U	8.52 U	4.26 U	8.52 U	8.6 U	4.26 U	8.52 U
Tert-Butyl Alcohol	UG/M3	7.58 U	15.2 U	15.2 U	7.58 U	15.2 U	15.3 U	7.58 U	15.2 U
Tert-Butyl Methyl Ether	UG/M3	3.61 U	7.21 U	7.21 U	3.61 U	7.21 U	7.28 U	3.61 U	7.21 U
Tetrachloroethylene (PCE)	UG/M3	6.78 U	13.6 U	**48.8**	**10.2**	13.6 U	**24.4**	**8.68**	13.6 U
Tetrahydrofuran	UG/M3	7.37 U	14.7 U	14.7 U	7.37 U	14.7 U	14.9 U	7.37 U	14.7 U
Toluene	UG/M3	**4.75**	7.54 U	7.54 U	3.77 U	7.54 U	7.61 U	**5.5**	7.54 U
Trans-1,2-Dichloroethene	UG/M3	3.96 U	7.93 U	7.93 U	3.96 U	7.93 U	8.01 U	3.96 U	7.93 U
Trans-1,3-Dichloropropene	UG/M3	4.54 U	9.08 U	9.08 U	4.54 U	9.08 U	9.17 U	4.54 U	9.08 U
Trichloroethylene (TCE)	UG/M3	5.37 U	10.7 U	10.7 U	5.37 U	10.7 U	10.9 U	5.37 U	10.7 U
Trichlorofluoromethane	UG/M3	5.62 U	11.2 U	11.2 U	5.62 U	11.2 U	11.4 U	5.62 U	11.2 U
Vinyl Bromide	UG/M3	4.37 U	8.74 U	8.74 U	4.37 U	8.74 U	8.83 U	4.37 U	8.74 U
Vinyl Chloride	UG/M3	2.56 U	5.11 U	5.11 U	2.56 U	5.11 U	5.16 U	2.56 U	5.11 U

FIGURE

1. Sample Location Map

N

LEGEND

- APPROXIMATE LOCATION OF SOIL BORING
- APPROXIMATE LOCATION OF SOIL BORING AND SOIL VAPOR SAMPLE
- APPROXIMATE LOCATION OF SOIL BORING AND GROUNDWATER GRAB SAMPLE
- APPROXIMATE LOCATION OF SOIL BORING, GROUNDWATER GRAB SAMPLE AND SOIL VAPOR SAMPLE
- LOTS THAT ARE NOT PART OF SENDERO VERDE REDEVELOPMENT PROJECT
- SITE BOUNDARY

20 0 20 40
Feet

Title:

SAMPLE LOCATION MAP

SENDERO VERDE
REDEVELOPMENT PROJECT

Prepared For: SV-A OWNERS LLC
SV-B OWNERS LLC, SV-C OWNERS LLC

ROUX

Compiled by: J.M.	Date: 07JUN18
Prepared by: M.S.R.	Scale: AS SHOWN
Project Mgr: J.M.	Project: 2984.0001Y000
File: 2984.0001Y103.1.mxd	

FIGURE 1

V:\GIS\Projects\2984\0001Y\103\2984.0001Y103.1.mxd

APPENDICES

A. Geophysical Survey Report

B. Laboratory Analytical Reports

APPENDIX A

Geophysical Survey Report

Results of Geophysical Investigation

Sendero Verde Redevelopment Project
New York, New York

Prepared for: **Roux, Inc.**
Islandia, New York

Dates of Investigation: **April 11-13, 2018**

Prepared by:

Russell Dobler
Geophysicist - Project Manager
NAEVA Geophysics, Inc.
225 N. Route 303, Suite 102
Congers, NY 10920

Contents

Results of Geophysical Investigation
Sendero Verde Redevelopment Project
New York, New York

Introduction

On April 11-13, NAEVA Geophysics, Inc. conducted a geophysical investigation at the Sendero Verde Redevelopment Project site, bounded by East 111th and 112th Streets and Madison and Park Avenues, in New York, New York.

The main purpose of this investigation was to search accessible portions of the approximately 2 1/3-acre site for detectable subsurface utilities and possible underground storage tanks (USTs) that may remain from former buildings that once occupied the site. Particular attention was given to 11 proposed exploratory boring sites (PEBSs) that were distributed across the property. We were also asked to investigate the sidewalks surrounding the site, but this effort was limited due to time and budgetary constraints.

The site was made up of a baseball field in the center, covered in grass and dirt, with large amounts of debris and stored materials covering the garden areas to the east and west. The site was surrounded by a chain-link fence (see Plate 1). The remaining building in the southwest corner of the site was not included in our investigation.

Methods

The equipment selected for this investigation was a Geonics EM-31 terrain conductivity meter, a Fisher TW-6 Pipe and Cable Locator (a type of handheld electromagnetic metal-detector), a MALA Geoscience ground penetrating radar (GPR) system with a 250 MHz antenna, a 3M Dynatel Cable Locator, and a Subsite 950 utility locator. In practical applications, the effective depth of penetration of the TW-6 is usually around 5 feet.

The EM-31 measures two components of an induced magnetic field. The first measured parameter is the in-phase component, which is a relative measurement between the induced magnetic field and the earth's magnetic field expressed in parts per thousand (ppt). The in-phase component is sensitive to metallic objects and, therefore, can be very useful in the detection of USTs. The EM-31's response is not very sensitive to small metallic items that may be entrained in the near surface soil, therefore metallic objects identified by this instrument tend to be large and significant. The second parameter is the quadrature-phase (or terrain conductivity) component, which is a measurement of the apparent soil conductivity expressed in millisiemens per meter (mS/m). Terrain conductivity is used to delineate areas of anomalously high or low conductivity that can be caused by landfill materials, former building foundations, or metallic objects. According to the manufacturer, the maximum depth of penetration of the EM-31 is approximately 18 feet.

Within the baseball field, a grid of parallel lines, spaced five feet apart, was established across the area of investigation. Reference points were marked at 40-foot intervals, where possible, along each line. EM-31 data was collected over this grid in auto-collect mode at a rate of five readings per second which, at walking speed, resulted in a data density of roughly 0.75 feet.

The EM-31 data was processed after the initial data collection to allow for field evaluation, and then again at NAEVA's office in Congers, New York, with additional software used to produce report-quality maps. The color contour maps of the inphase and quadrature data (Plates 2 and 3) were inspected for areas of anomalous response that could represent USTs or changes in subsurface materials, as well as linear features that could be caused by buried pipes, cables, or foundations. NAEVA attempted to reacquire anomalies depicted in the contour maps utilizing the TW-6 metal-detector and the GPR.

In general, the green colors on the contour maps represent the background response, with the blues representing low or negative anomalies and the reds representing the high or positive anomalies. Since the absolute values are not usually diagnostic, areas displayed in the data exhibiting relatively high or relatively low values in either data set were selected as anomalies. A negative response by the in-phase component is usually an indication of buried metal, and a positive response usually indicates the presence of at or near surface metal.

It should be noted that the EM-31 could not be used in the garden areas and was not used in the narrow portion of the site west of the outfield fence. The TW-6 was the main investigative tool in these areas, as well as near the surrounding chain-link fence.

Utility Investigation: NAEVA began its utility investigation by noting any manholes or utility exposures on the property. Radio frequency signals were conducted onto aboveground exposures of utilities in the sidewalk. Current-carrying electric lines and metallic lines to which electric lines are grounded produce electromagnetic fields that may be detectable at the surface. In addition, buried metallic lines often pick up and re-radiate background vibrations and commercial radio signals. The site was checked for evidence of these passive signals. GPR was used throughout the sidewalk in a reconnaissance fashion.

Results

EM-31 Investigation: NAEVA identified one metallic anomaly that displayed hyperbolic reflections in the GPR data that are often indicative of the presence of a UST, labeled "A" on Plates 1 and 2, and in Table 1. A total of 51 discrete metallic anomalies were marked on the site. Approximately 40 anomalies were identified in the EM-31 inphase data and were followed up on in the field, where some were found to be too small to likely represent USTs or were parts of larger anomalies.

Anomalies A – K were identified in the EM-31 inphase data and when reacquired in the field were found to be large enough to potentially represent USTs. Anomalies L – T are also large enough to potentially represent USTs buried at a typical depth (2-4 feet), but the possibility that any marked metallic anomaly represents a UST buried more deeply cannot be completely ruled out. Please note Anomaly U near the northern corner of Plate 2, and Anomalies V, W, and X in the southwestern portion of Plate 2, which were strong in the inphase data but could not be reacquired in the field, indicating they could potentially represent USTs buried deeply, beyond the reach of the TW-6 or GPR. Please also note that metallic anomalies within the area of EM-31 investigation that were not visible in the EM-31 data were not marked in the field.

Anomalies Y and Z were identified near the northern portion of the EM-31 quadrature data, (see Plate 3). These anomalies are in close proximity to others seen in the inphase data, though, indicating they may be associated with those. Still, the possibility that these anomalies may represent USTs cannot be completely ruled out.

Utility Investigation: A line was traced from a fill port near the northeastern corner of the sidewalk to the east, where it apparently terminated. This area of the sidewalk was reinforced, so the TW-6 metal-detector was ineffective in evaluating if a UST was present. GPR profiles collected at the line's termination point did not display the hyperbolic reflections characteristic of a UST, but reinforced concrete limits the depth of penetration of the GPR's signal and can obscure underlying targets.

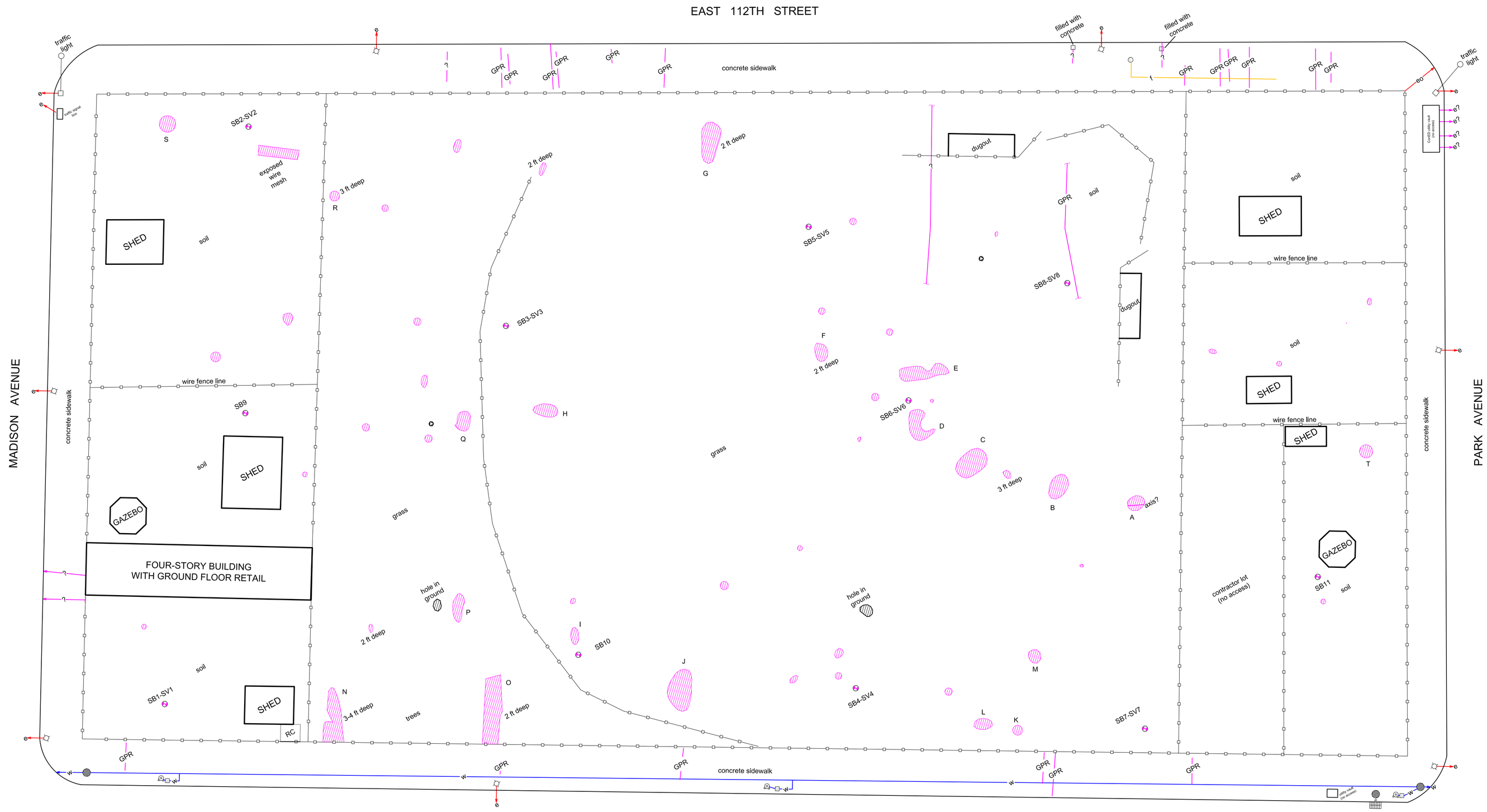
NAEVA identified 21 different linear GPR anomalies and unknown lines trending toward the site, in the surrounding sidewalks. The interpretation of these anomalies is uncertain, though they may represent utility service lines for the buildings that once existed on the site. Two additional unknown lines in front of a retail building surrounded by the site likely represented the building's in-use utility services.

A water line was traced in the sidewalk to the southwest of the site. Electric lines were traced from light poles into the surrounding streets. A linear GPR anomaly and another unknown line were detected within the baseball field, near the dugouts and PEBS SB8-SV8.

Metal-detector anomalies, GPR anomalies, and unknown lines were marked with pink spray paint and pin flags. Electric lines and the water and fill line were marked according to the American Public Works Association Color Code. The PEBSs were marked with white pin flags. As always, NAEVA recommends using caution when excavating near any detected features and within areas of possible construction debris.

Table 1
Metallic Anomalies

Anomaly	Approximate GPS Coordinate (easting, northing)
A	999267, 229549
B	999245, 229553
C	999219, 229561
D	999202, 229572
E	999204, 229588
F	999173, 229595
G	999139, 229659
H	999089, 229577
I	999097, 229508
J	999130, 229491
K	999233, 229479
L	999222, 229481
M	999238, 229502
N	999024, 229481
O	999072, 229485
P	999062, 229517
Q	999063, 229574
R	999024, 229642
S	998973, 229664
T	999339, 229564
U	999087, 229615
V	999160, 229494
W	999184, 229496
X	999189, 229526
Y	999158, 229639
Z	999194, 229618



LEGEND

- e — electric line
- eo — electric line marked by one-call
- e? — suspected electric line
- w — water line
- st — storm sewer line
- ? — unknown line
- GPR — linear GPR anomaly
- chain-link fence
- metal-detector anomaly
- catch basin
- manhole cover
- monitoring well
- proposed exploratory boring site and identification
- gas valve
- water valve
- street light
- fire hydrant
- RC — reinforced concrete

Approximately

20 10 0 10 20 ft

Scale: One inch equals approximately twenty feet

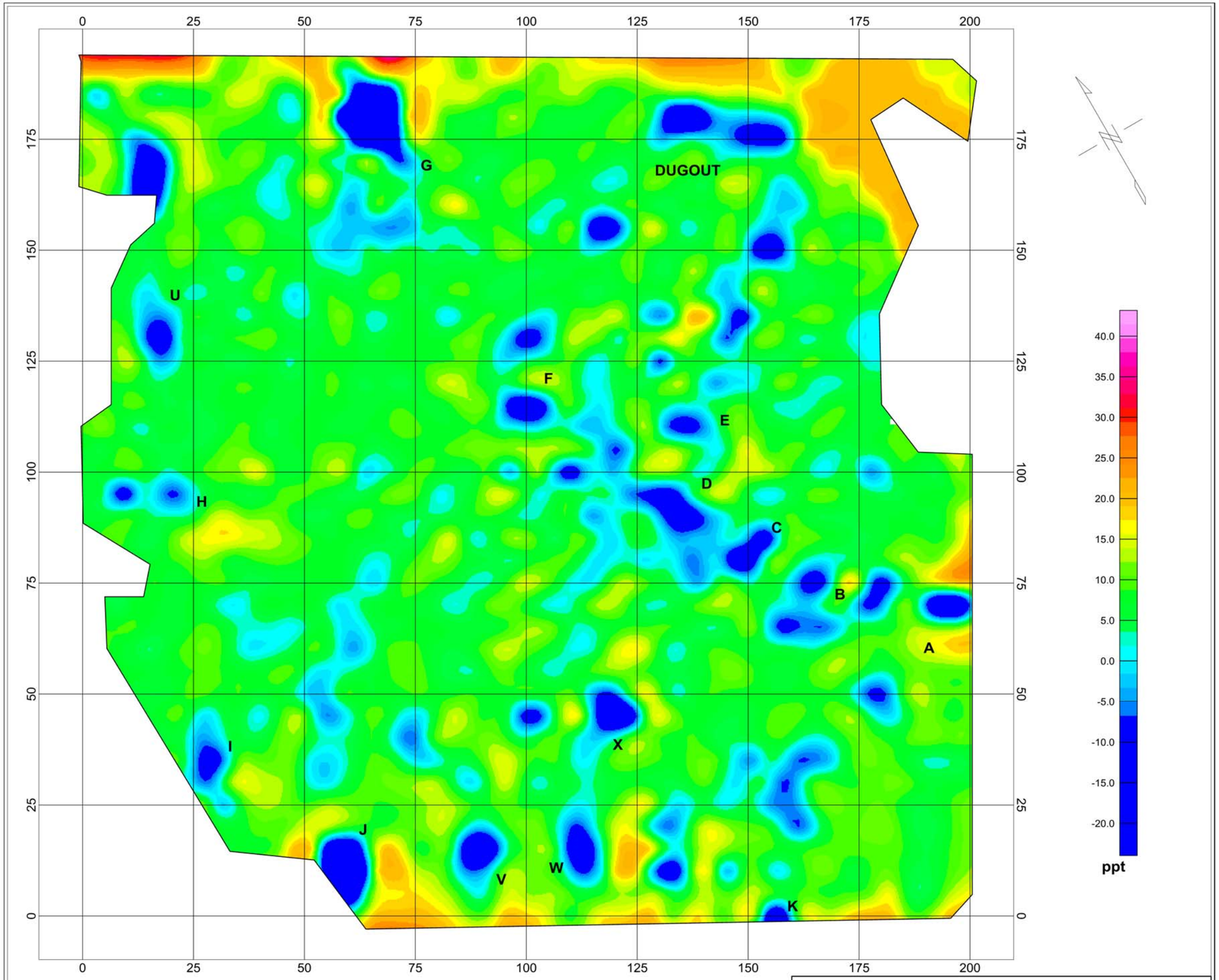
NAEVA GEOPHYSICS, INC.
Subsurface Geophysical Surveys

225 N. Route 303, Suite 102
Congers, NY. 10920
(845)268-1800
(845)268-1802 FAX

Plate 1. Results of a Geophysical Investigation
Sendero Verde Redevelopment Project
New York, New York

Client	Roux Associates, Inc.	Dates of Work	April 11-13, 2018
Project No.	C1804111R	Map By	Frank J. Amorosana

ALL UNDERGROUND FACILITIES MAY NOT BE DEPICTED ON THIS MAP



Scale 1:240

10 0 10 20 30 40

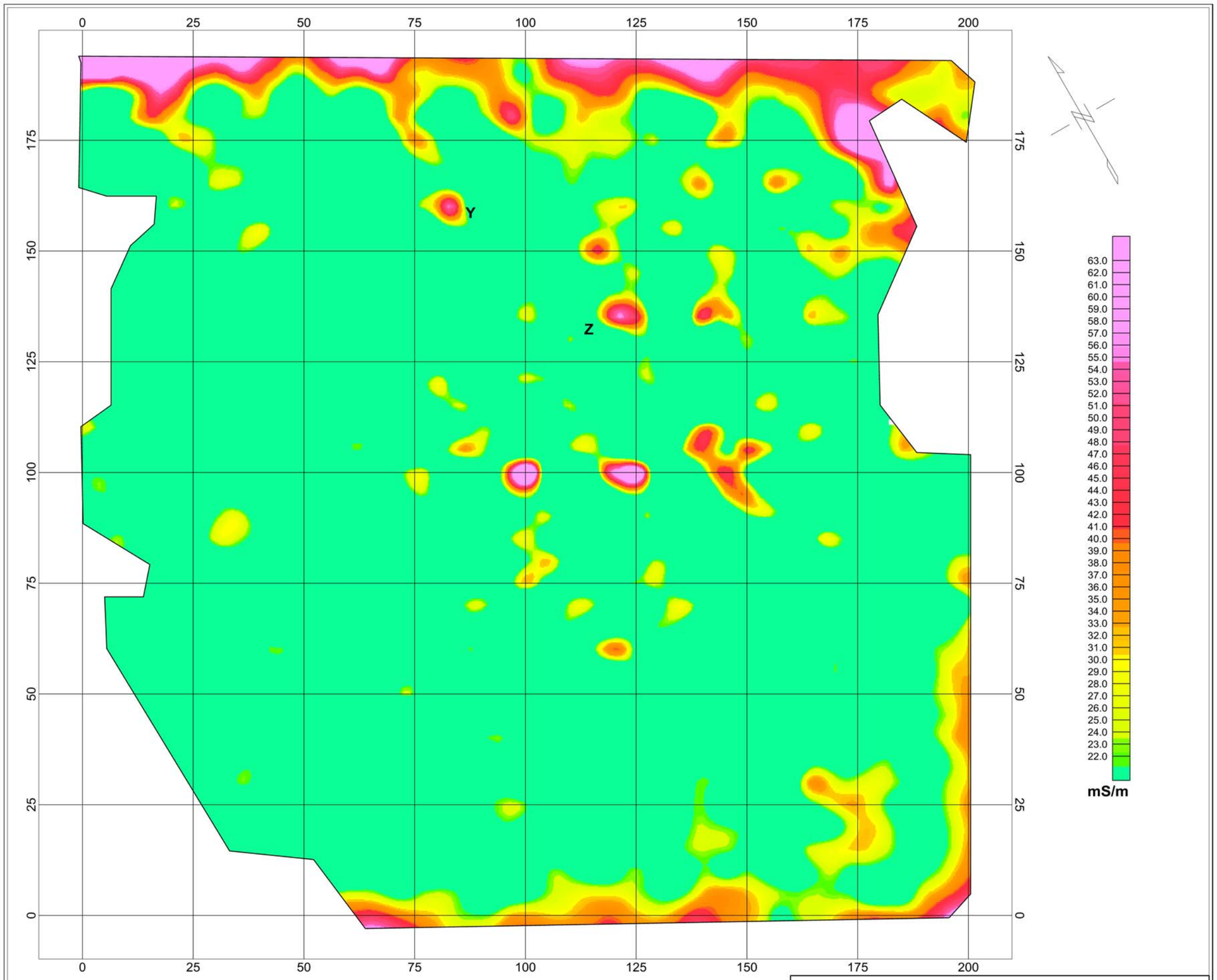
US survey foot

Roux Associates, Inc.

Plate 2. EM-31 Inhpase

Sendero Verde Redevelopment Project
Harlem, New York

Date of Survey: April 11
Map Created by: R. Dobler



Scale 1:240

10 0 10 20 30 40

US survey foot

Roux Associates, Inc.

Plate 3. EM-31 Quadrature

Sendero Verde Redevelopment Project
Harlem, New York

Date of Survey: April 11
Map Created by: R. Dobler

APPENDIX B

Laboratory Analytical Reports

ANALYTICAL REPORT

Lab Number:	L1815370
Client:	Roux Envr. Engr. & Geology, DPC 209 Shafter Street Islandia, NY 11749
ATTN:	Julie Moriarity
Phone:	(631) 232-2600
Project Name:	SENDERO VERDE
Project Number:	2984.0001Y000
Report Date:	05/07/18

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

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

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815370
Report Date: 05/07/18

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1815370-01	SB-3 (0-2)	SOIL	EAST HARLEM, NY	04/30/18 09:30	05/01/18
L1815370-02	SB-5 (0-2)	SOIL	EAST HARLEM, NY	04/30/18 10:30	05/01/18
L1815370-03	SB-6 (0-2)	SOIL	EAST HARLEM, NY	04/30/18 11:30	05/01/18
L1815370-04	SB-8 (0-2)	SOIL	EAST HARLEM, NY	04/30/18 12:00	05/01/18
L1815370-05	SB-12 (0-2)	SOIL	EAST HARLEM, NY	04/30/18 13:00	05/01/18
L1815370-06	SB-7 (0-2)	SOIL	EAST HARLEM, NY	04/30/18 14:00	05/01/18
L1815370-07	SB-4 (0-2)	SOIL	EAST HARLEM, NY	04/30/18 15:00	05/01/18
L1815370-08	SB-3 1'	SOIL	EAST HARLEM, NY	04/30/18 09:30	05/01/18
L1815370-09	SB-5 1'	SOIL	EAST HARLEM, NY	04/30/18 10:30	05/01/18
L1815370-10	SB-6 1'	SOIL	EAST HARLEM, NY	04/30/18 11:30	05/01/18
L1815370-11	SB-8 1'	SOIL	EAST HARLEM, NY	04/30/18 12:00	05/01/18
L1815370-12	SB-12 1'	SOIL	EAST HARLEM, NY	04/30/18 13:00	05/01/18
L1815370-13	SB-7 1'	SOIL	EAST HARLEM, NY	04/30/18 14:00	05/01/18
L1815370-14	SB-4 1'	SOIL	EAST HARLEM, NY	04/30/18 15:00	05/01/18

Project Name:	SENDERO VERDE	**Lab Number:**	L1815370
Project Number:	2984.0001Y000	**Report Date:**	05/07/18

Case Narrative

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

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

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

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

HOLD POLICY

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

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

Project Name:	SENDERO VERDE	**Lab Number:**	L1815370
Project Number:	2984.0001Y000	**Report Date:**	05/07/18

Case Narrative (continued)

Report Submission

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

Total Metals

L1815370-01 through -07: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

The WG1111987-1 Method Blank, associated with L1815370-01 through -07, has a concentration above the reporting limit for iron. Since the associated sample concentrations are greater than 10x the blank concentration for this analyte, no corrective action is required.

The WG1111987-3 MS recoveries for aluminum (1070%) and iron (0%), performed on L1815370-01, do not apply because the sample concentrations are greater than four times the spike amounts added.

The WG1111987-3 MS recovery, performed on L1815370-01, is outside the acceptance criteria for manganese (36%). A post digestion spike was performed and was within acceptance criteria.

The WG1111987-4 Laboratory Duplicate RPDs for barium (23%), calcium (44%), iron (34%), magnesium (29%), and manganese (31%), performed on L1815370-01, are outside the acceptance criteria. The elevated RPDs have been attributed to the non-homogeneous nature of the native sample.

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

Authorized Signature: Kelly Stenstrom

Title: Technical Director/Representative Date: 05/07/18

ORGANICS

VOLATILES

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815370
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815370-08
Client ID: SB-3 1'
Sample Location: EAST HARLEM, NY
Date Collected: 04/30/18 09:30
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 05/03/18 15:22
Analyst: AD
Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	15	2.5	1
1,1-Dichloroethane	ND		ug/kg	2.3	0.41	1
Chloroform	ND		ug/kg	2.3	0.57	1
Carbon tetrachloride	ND		ug/kg	1.5	0.53	1
1,2-Dichloropropane	ND		ug/kg	5.4	0.35	1
Dibromochloromethane	ND		ug/kg	1.5	0.27	1
1,1,2-Trichloroethane	ND		ug/kg	2.3	0.48	1
Tetrachloroethene	ND		ug/kg	1.5	0.46	1
Chlorobenzene	ND		ug/kg	1.5	0.53	1
Trichlorofluoromethane	ND		ug/kg	7.6	0.64	1
1,2-Dichloroethane	ND		ug/kg	1.5	0.38	1
1,1,1-Trichloroethane	ND		ug/kg	1.5	0.54	1
Bromodichloromethane	ND		ug/kg	1.5	0.47	1
trans-1,3-Dichloropropene	ND		ug/kg	1.5	0.32	1
cis-1,3-Dichloropropene	ND		ug/kg	1.5	0.35	1
1,3-Dichloropropene, Total	ND		ug/kg	1.5	0.32	1
1,1-Dichloropropene	ND		ug/kg	7.6	0.50	1
Bromoform	ND		ug/kg	6.1	0.36	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.5	0.46	1
Benzene	ND		ug/kg	1.5	0.30	1
Toluene	ND		ug/kg	2.3	0.30	1
Ethylbenzene	ND		ug/kg	1.5	0.26	1
Chloromethane	ND		ug/kg	7.6	0.67	1
Bromomethane	ND		ug/kg	3.0	0.52	1
Vinyl chloride	ND		ug/kg	3.0	0.48	1
Chloroethane	ND		ug/kg	3.0	0.48	1
1,1-Dichloroethene	ND		ug/kg	1.5	0.57	1
trans-1,2-Dichloroethene	ND		ug/kg	2.3	0.37	1

Project Name: SENDERO VERDE **Lab Number:** L1815370

Project Number: 2984.0001Y000 **Report Date:** 05/07/18

SAMPLE RESULTS

Lab ID: L1815370-08 Date Collected: 04/30/18 09:30

Client ID: SB-3 1' Date Received: 05/01/18

Sample Location: EAST HARLEM, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	1.5	0.46	1
1,2-Dichlorobenzene	ND		ug/kg	7.6	0.28	1
1,3-Dichlorobenzene	ND		ug/kg	7.6	0.33	1
1,4-Dichlorobenzene	ND		ug/kg	7.6	0.28	1
Methyl tert butyl ether	ND		ug/kg	3.0	0.23	1
p/m-Xylene	ND		ug/kg	3.0	0.54	1
o-Xylene	ND		ug/kg	3.0	0.52	1
Xylenes, Total	ND		ug/kg	3.0	0.52	1
cis-1,2-Dichloroethene	ND		ug/kg	1.5	0.52	1
1,2-Dichloroethene, Total	ND		ug/kg	1.5	0.37	1
Dibromomethane	ND		ug/kg	15	0.36	1
Styrene	ND		ug/kg	3.0	0.61	1
Dichlorodifluoromethane	ND		ug/kg	15	0.76	1
Acetone	ND		ug/kg	15	3.5	1
Carbon disulfide	ND		ug/kg	15	1.7	1
2-Butanone	ND		ug/kg	15	1.0	1
Vinyl acetate	ND		ug/kg	15	0.23	1
4-Methyl-2-pentanone	ND		ug/kg	15	0.37	1
1,2,3-Trichloropropane	ND		ug/kg	15	0.27	1
2-Hexanone	ND		ug/kg	15	1.0	1
Bromochloromethane	ND		ug/kg	7.6	0.55	1
2,2-Dichloropropane	ND		ug/kg	7.6	0.69	1
1,2-Dibromoethane	ND		ug/kg	6.1	0.30	1
1,3-Dichloropropane	ND		ug/kg	7.6	0.28	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.5	0.49	1
Bromobenzene	ND		ug/kg	7.6	0.34	1
n-Butylbenzene	ND		ug/kg	1.5	0.35	1
sec-Butylbenzene	ND		ug/kg	1.5	0.33	1
tert-Butylbenzene	ND		ug/kg	7.6	0.38	1
o-Chlorotoluene	ND		ug/kg	7.6	0.34	1
p-Chlorotoluene	ND		ug/kg	7.6	0.28	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	7.6	0.60	1
Hexachlorobutadiene	ND		ug/kg	7.6	0.53	1
Isopropylbenzene	ND		ug/kg	1.5	0.30	1
p-Isopropyltoluene	ND		ug/kg	1.5	0.31	1
Naphthalene	ND		ug/kg	7.6	0.21	1
Acrylonitrile	ND		ug/kg	15	0.79	1

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815370
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815370-08
Client ID: SB-3 1'
Sample Location: EAST HARLEM, NY
Date Collected: 04/30/18 09:30
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.5	0.33	1
1,2,3-Trichlorobenzene	ND		ug/kg	7.6	0.38	1
1,2,4-Trichlorobenzene	ND		ug/kg	7.6	0.33	1
1,3,5-Trimethylbenzene	ND		ug/kg	7.6	0.25	1
1,2,4-Trimethylbenzene	ND		ug/kg	7.6	0.28	1
1,4-Dioxane	ND		ug/kg	61	22.	1
p-Diethylbenzene	ND		ug/kg	6.1	6.1	1
p-Ethyltoluene	ND		ug/kg	6.1	0.36	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	6.1	0.24	1
Ethyl ether	ND		ug/kg	7.6	0.40	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	7.6	0.60	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	112		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	100		70-130

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815370
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815370-09
Client ID: SB-5 1'
Sample Location: EAST HARLEM, NY
Date Collected: 04/30/18 10:30
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 05/03/18 15:50
Analyst: AD
Percent Solids: 77%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	16	2.6	1
1,1-Dichloroethane	ND		ug/kg	2.4	0.42	1
Chloroform	ND		ug/kg	2.4	0.58	1
Carbon tetrachloride	ND		ug/kg	1.6	0.54	1
1,2-Dichloropropane	ND		ug/kg	5.5	0.36	1
Dibromochloromethane	ND		ug/kg	1.6	0.28	1
1,1,2-Trichloroethane	ND		ug/kg	2.4	0.49	1
Tetrachloroethene	0.57	J	ug/kg	1.6	0.48	1
Chlorobenzene	ND		ug/kg	1.6	0.55	1
Trichlorofluoromethane	ND		ug/kg	7.9	0.66	1
1,2-Dichloroethane	ND		ug/kg	1.6	0.39	1
1,1,1-Trichloroethane	ND		ug/kg	1.6	0.55	1
Bromodichloromethane	ND		ug/kg	1.6	0.48	1
trans-1,3-Dichloropropene	ND		ug/kg	1.6	0.33	1
cis-1,3-Dichloropropene	ND		ug/kg	1.6	0.36	1
1,3-Dichloropropene, Total	ND		ug/kg	1.6	0.33	1
1,1-Dichloropropene	ND		ug/kg	7.9	0.52	1
Bromoform	ND		ug/kg	6.3	0.37	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.6	0.47	1
Benzene	ND		ug/kg	1.6	0.30	1
Toluene	ND		ug/kg	2.4	0.31	1
Ethylbenzene	ND		ug/kg	1.6	0.27	1
Chloromethane	ND		ug/kg	7.9	0.69	1
Bromomethane	ND		ug/kg	3.2	0.53	1
Vinyl chloride	ND		ug/kg	3.2	0.50	1
Chloroethane	ND		ug/kg	3.2	0.50	1
1,1-Dichloroethene	ND		ug/kg	1.6	0.59	1
trans-1,2-Dichloroethene	ND		ug/kg	2.4	0.38	1

Project Name: SENDERO VERDE **Lab Number:** L1815370

Project Number: 2984.0001Y000 **Report Date:** 05/07/18

SAMPLE RESULTS

Lab ID: L1815370-09 Date Collected: 04/30/18 10:30

Client ID: SB-5 1' Date Received: 05/01/18

Sample Location: EAST HARLEM, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	1.6	0.48	1
1,2-Dichlorobenzene	ND		ug/kg	7.9	0.29	1
1,3-Dichlorobenzene	ND		ug/kg	7.9	0.34	1
1,4-Dichlorobenzene	ND		ug/kg	7.9	0.29	1
Methyl tert butyl ether	ND		ug/kg	3.2	0.24	1
p/m-Xylene	ND		ug/kg	3.2	0.55	1
o-Xylene	ND		ug/kg	3.2	0.53	1
Xylenes, Total	ND		ug/kg	3.2	0.53	1
cis-1,2-Dichloroethene	ND		ug/kg	1.6	0.54	1
1,2-Dichloroethene, Total	ND		ug/kg	1.6	0.38	1
Dibromomethane	ND		ug/kg	16	0.38	1
Styrene	ND		ug/kg	3.2	0.63	1
Dichlorodifluoromethane	ND		ug/kg	16	0.79	1
Acetone	ND		ug/kg	16	3.6	1
Carbon disulfide	ND		ug/kg	16	1.7	1
2-Butanone	ND		ug/kg	16	1.1	1
Vinyl acetate	ND		ug/kg	16	0.24	1
4-Methyl-2-pentanone	ND		ug/kg	16	0.38	1
1,2,3-Trichloropropane	ND		ug/kg	16	0.28	1
2-Hexanone	ND		ug/kg	16	1.0	1
Bromochloromethane	ND		ug/kg	7.9	0.56	1
2,2-Dichloropropane	ND		ug/kg	7.9	0.71	1
1,2-Dibromoethane	ND		ug/kg	6.3	0.31	1
1,3-Dichloropropane	ND		ug/kg	7.9	0.29	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.6	0.50	1
Bromobenzene	ND		ug/kg	7.9	0.34	1
n-Butylbenzene	ND		ug/kg	1.6	0.36	1
sec-Butylbenzene	ND		ug/kg	1.6	0.34	1
tert-Butylbenzene	ND		ug/kg	7.9	0.39	1
o-Chlorotoluene	ND		ug/kg	7.9	0.35	1
p-Chlorotoluene	ND		ug/kg	7.9	0.29	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	7.9	0.62	1
Hexachlorobutadiene	ND		ug/kg	7.9	0.55	1
Isopropylbenzene	ND		ug/kg	1.6	0.30	1
p-Isopropyltoluene	ND		ug/kg	1.6	0.32	1
Naphthalene	8.8		ug/kg	7.9	0.22	1
Acrylonitrile	ND		ug/kg	16	0.81	1

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815370
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815370-09
Client ID: SB-5 1'
Sample Location: EAST HARLEM, NY
Date Collected: 04/30/18 10:30
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.6	0.34	1
1,2,3-Trichlorobenzene	ND		ug/kg	7.9	0.40	1
1,2,4-Trichlorobenzene	ND		ug/kg	7.9	0.34	1
1,3,5-Trimethylbenzene	ND		ug/kg	7.9	0.25	1
1,2,4-Trimethylbenzene	ND		ug/kg	7.9	0.29	1
1,4-Dioxane	ND		ug/kg	63	23.	1
p-Diethylbenzene	ND		ug/kg	6.3	6.3	1
p-Ethyltoluene	ND		ug/kg	6.3	0.37	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	6.3	0.24	1
Ethyl ether	ND		ug/kg	7.9	0.41	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	7.9	0.62	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	110		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	100		70-130

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815370
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815370-10
Client ID: SB-6 1'
Sample Location: EAST HARLEM, NY
Date Collected: 04/30/18 11:30
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 05/03/18 16:17
Analyst: AD
Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	13	2.2	1
1,1-Dichloroethane	ND		ug/kg	2.0	0.36	1
Chloroform	ND		ug/kg	2.0	0.49	1
Carbon tetrachloride	ND		ug/kg	1.3	0.46	1
1,2-Dichloropropane	ND		ug/kg	4.6	0.30	1
Dibromochloromethane	ND		ug/kg	1.3	0.23	1
1,1,2-Trichloroethane	ND		ug/kg	2.0	0.41	1
Tetrachloroethene	0.73	J	ug/kg	1.3	0.40	1
Chlorobenzene	ND		ug/kg	1.3	0.46	1
Trichlorofluoromethane	ND		ug/kg	6.6	0.55	1
1,2-Dichloroethane	ND		ug/kg	1.3	0.32	1
1,1,1-Trichloroethane	ND		ug/kg	1.3	0.46	1
Bromodichloromethane	ND		ug/kg	1.3	0.41	1
trans-1,3-Dichloropropene	ND		ug/kg	1.3	0.27	1
cis-1,3-Dichloropropene	ND		ug/kg	1.3	0.30	1
1,3-Dichloropropene, Total	ND		ug/kg	1.3	0.27	1
1,1-Dichloropropene	ND		ug/kg	6.6	0.43	1
Bromoform	ND		ug/kg	5.3	0.31	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.3	0.39	1
Benzene	ND		ug/kg	1.3	0.25	1
Toluene	ND		ug/kg	2.0	0.26	1
Ethylbenzene	ND		ug/kg	1.3	0.22	1
Chloromethane	ND		ug/kg	6.6	0.58	1
Bromomethane	ND		ug/kg	2.6	0.45	1
Vinyl chloride	ND		ug/kg	2.6	0.42	1
Chloroethane	ND		ug/kg	2.6	0.42	1
1,1-Dichloroethene	ND		ug/kg	1.3	0.49	1
trans-1,2-Dichloroethene	ND		ug/kg	2.0	0.32	1

Project Name: SENDERO VERDE **Lab Number:** L1815370

Project Number: 2984.0001Y000 **Report Date:** 05/07/18

SAMPLE RESULTS

Lab ID: L1815370-10 Date Collected: 04/30/18 11:30

Client ID: SB-6 1' Date Received: 05/01/18

Sample Location: EAST HARLEM, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	1.3	0.40	1
1,2-Dichlorobenzene	ND		ug/kg	6.6	0.24	1
1,3-Dichlorobenzene	ND		ug/kg	6.6	0.29	1
1,4-Dichlorobenzene	ND		ug/kg	6.6	0.24	1
Methyl tert butyl ether	ND		ug/kg	2.6	0.20	1
p/m-Xylene	ND		ug/kg	2.6	0.46	1
o-Xylene	ND		ug/kg	2.6	0.45	1
Xylenes, Total	ND		ug/kg	2.6	0.45	1
cis-1,2-Dichloroethene	ND		ug/kg	1.3	0.45	1
1,2-Dichloroethene, Total	ND		ug/kg	1.3	0.32	1
Dibromomethane	ND		ug/kg	13	0.32	1
Styrene	ND		ug/kg	2.6	0.53	1
Dichlorodifluoromethane	ND		ug/kg	13	0.66	1
Acetone	6.7	J	ug/kg	13	3.0	1
Carbon disulfide	ND		ug/kg	13	1.4	1
2-Butanone	ND		ug/kg	13	0.91	1
Vinyl acetate	ND		ug/kg	13	0.20	1
4-Methyl-2-pentanone	ND		ug/kg	13	0.32	1
1,2,3-Trichloropropane	ND		ug/kg	13	0.23	1
2-Hexanone	ND		ug/kg	13	0.88	1
Bromochloromethane	ND		ug/kg	6.6	0.47	1
2,2-Dichloropropane	ND		ug/kg	6.6	0.59	1
1,2-Dibromoethane	ND		ug/kg	5.3	0.26	1
1,3-Dichloropropane	ND		ug/kg	6.6	0.24	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.3	0.42	1
Bromobenzene	ND		ug/kg	6.6	0.29	1
n-Butylbenzene	ND		ug/kg	1.3	0.30	1
sec-Butylbenzene	ND		ug/kg	1.3	0.29	1
tert-Butylbenzene	ND		ug/kg	6.6	0.33	1
o-Chlorotoluene	ND		ug/kg	6.6	0.29	1
p-Chlorotoluene	ND		ug/kg	6.6	0.24	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.6	0.52	1
Hexachlorobutadiene	ND		ug/kg	6.6	0.46	1
Isopropylbenzene	ND		ug/kg	1.3	0.26	1
p-Isopropyltoluene	ND		ug/kg	1.3	0.27	1
Naphthalene	0.20	J	ug/kg	6.6	0.18	1
Acrylonitrile	ND		ug/kg	13	0.68	1

Project Name: SENDERO VERDE **Lab Number:** L1815370

Project Number: 2984.0001Y000 **Report Date:** 05/07/18

SAMPLE RESULTS

Lab ID: L1815370-10 Date Collected: 04/30/18 11:30

Client ID: SB-6 1' Date Received: 05/01/18

Sample Location: EAST HARLEM, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.3	0.28	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.6	0.33	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.6	0.28	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.6	0.21	1
1,2,4-Trimethylbenzene	ND		ug/kg	6.6	0.24	1
1,4-Dioxane	ND		ug/kg	53	19.	1
p-Diethylbenzene	ND		ug/kg	5.3	5.3	1
p-Ethyltoluene	ND		ug/kg	5.3	0.31	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	5.3	0.20	1
Ethyl ether	ND		ug/kg	6.6	0.34	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.6	0.52	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	111		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	99		70-130

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815370
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815370-11
Client ID: SB-8 1'
Sample Location: EAST HARLEM, NY
Date Collected: 04/30/18 12:00
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 05/03/18 16:45
Analyst: AD
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	9.5	1.6	1
1,1-Dichloroethane	ND		ug/kg	1.4	0.26	1
Chloroform	ND		ug/kg	1.4	0.35	1
Carbon tetrachloride	ND		ug/kg	0.95	0.33	1
1,2-Dichloropropane	ND		ug/kg	3.3	0.22	1
Dibromochloromethane	ND		ug/kg	0.95	0.17	1
1,1,2-Trichloroethane	ND		ug/kg	1.4	0.30	1
Tetrachloroethene	ND		ug/kg	0.95	0.29	1
Chlorobenzene	ND		ug/kg	0.95	0.33	1
Trichlorofluoromethane	ND		ug/kg	4.7	0.40	1
1,2-Dichloroethane	ND		ug/kg	0.95	0.23	1
1,1,1-Trichloroethane	ND		ug/kg	0.95	0.33	1
Bromodichloromethane	ND		ug/kg	0.95	0.29	1
trans-1,3-Dichloropropene	ND		ug/kg	0.95	0.20	1
cis-1,3-Dichloropropene	ND		ug/kg	0.95	0.22	1
1,3-Dichloropropene, Total	ND		ug/kg	0.95	0.20	1
1,1-Dichloropropene	ND		ug/kg	4.7	0.31	1
Bromoform	ND		ug/kg	3.8	0.22	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.95	0.28	1
Benzene	ND		ug/kg	0.95	0.18	1
Toluene	ND		ug/kg	1.4	0.18	1
Ethylbenzene	ND		ug/kg	0.95	0.16	1
Chloromethane	ND		ug/kg	4.7	0.41	1
Bromomethane	ND		ug/kg	1.9	0.32	1
Vinyl chloride	ND		ug/kg	1.9	0.30	1
Chloroethane	ND		ug/kg	1.9	0.30	1
1,1-Dichloroethene	ND		ug/kg	0.95	0.35	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.23	1

Project Name: SENDERO VERDE **Lab Number:** L1815370

Project Number: 2984.0001Y000 **Report Date:** 05/07/18

SAMPLE RESULTS

Lab ID: L1815370-11 Date Collected: 04/30/18 12:00

Client ID: SB-8 1' Date Received: 05/01/18

Sample Location: EAST HARLEM, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	0.95	0.29	1
1,2-Dichlorobenzene	ND		ug/kg	4.7	0.17	1
1,3-Dichlorobenzene	ND		ug/kg	4.7	0.21	1
1,4-Dichlorobenzene	ND		ug/kg	4.7	0.17	1
Methyl tert butyl ether	ND		ug/kg	1.9	0.14	1
p/m-Xylene	ND		ug/kg	1.9	0.33	1
o-Xylene	ND		ug/kg	1.9	0.32	1
Xylenes, Total	ND		ug/kg	1.9	0.32	1
cis-1,2-Dichloroethene	ND		ug/kg	0.95	0.32	1
1,2-Dichloroethene, Total	ND		ug/kg	0.95	0.23	1
Dibromomethane	ND		ug/kg	9.5	0.23	1
Styrene	ND		ug/kg	1.9	0.38	1
Dichlorodifluoromethane	ND		ug/kg	9.5	0.47	1
Acetone	ND		ug/kg	9.5	2.2	1
Carbon disulfide	ND		ug/kg	9.5	1.0	1
2-Butanone	ND		ug/kg	9.5	0.65	1
Vinyl acetate	ND		ug/kg	9.5	0.14	1
4-Methyl-2-pentanone	ND		ug/kg	9.5	0.23	1
1,2,3-Trichloropropane	ND		ug/kg	9.5	0.17	1
2-Hexanone	ND		ug/kg	9.5	0.63	1
Bromochloromethane	ND		ug/kg	4.7	0.34	1
2,2-Dichloropropane	ND		ug/kg	4.7	0.43	1
1,2-Dibromoethane	ND		ug/kg	3.8	0.19	1
1,3-Dichloropropane	ND		ug/kg	4.7	0.17	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.95	0.30	1
Bromobenzene	ND		ug/kg	4.7	0.21	1
n-Butylbenzene	ND		ug/kg	0.95	0.22	1
sec-Butylbenzene	ND		ug/kg	0.95	0.20	1
tert-Butylbenzene	ND		ug/kg	4.7	0.23	1
o-Chlorotoluene	ND		ug/kg	4.7	0.21	1
p-Chlorotoluene	ND		ug/kg	4.7	0.17	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.7	0.38	1
Hexachlorobutadiene	ND		ug/kg	4.7	0.33	1
Isopropylbenzene	ND		ug/kg	0.95	0.18	1
p-Isopropyltoluene	ND		ug/kg	0.95	0.19	1
Naphthalene	ND		ug/kg	4.7	0.13	1
Acrylonitrile	ND		ug/kg	9.5	0.49	1

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815370
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815370-11
Client ID: SB-8 1'
Sample Location: EAST HARLEM, NY
Date Collected: 04/30/18 12:00
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.95	0.20	1
1,2,3-Trichlorobenzene	ND		ug/kg	4.7	0.24	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.7	0.20	1
1,3,5-Trimethylbenzene	ND		ug/kg	4.7	0.15	1
1,2,4-Trimethylbenzene	ND		ug/kg	4.7	0.18	1
1,4-Dioxane	ND		ug/kg	38	14.	1
p-Diethylbenzene	ND		ug/kg	3.8	3.8	1
p-Ethyltoluene	ND		ug/kg	3.8	0.22	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	3.8	0.15	1
Ethyl ether	ND		ug/kg	4.7	0.25	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.7	0.37	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	109		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	99		70-130

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815370
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815370-12
Client ID: SB-12 1'
Sample Location: EAST HARLEM, NY
Date Collected: 04/30/18 13:00
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 05/03/18 17:13
Analyst: AD
Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	14	2.4	1
1,1-Dichloroethane	ND		ug/kg	2.1	0.39	1
Chloroform	ND		ug/kg	2.1	0.53	1
Carbon tetrachloride	ND		ug/kg	1.4	0.49	1
1,2-Dichloropropane	ND		ug/kg	5.0	0.33	1
Dibromochloromethane	ND		ug/kg	1.4	0.25	1
1,1,2-Trichloroethane	ND		ug/kg	2.1	0.45	1
Tetrachloroethene	ND		ug/kg	1.4	0.43	1
Chlorobenzene	ND		ug/kg	1.4	0.50	1
Trichlorofluoromethane	ND		ug/kg	7.2	0.60	1
1,2-Dichloroethane	ND		ug/kg	1.4	0.35	1
1,1,1-Trichloroethane	ND		ug/kg	1.4	0.50	1
Bromodichloromethane	ND		ug/kg	1.4	0.44	1
trans-1,3-Dichloropropene	ND		ug/kg	1.4	0.30	1
cis-1,3-Dichloropropene	ND		ug/kg	1.4	0.33	1
1,3-Dichloropropene, Total	ND		ug/kg	1.4	0.30	1
1,1-Dichloropropene	ND		ug/kg	7.2	0.47	1
Bromoform	ND		ug/kg	5.7	0.34	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.4	0.43	1
Benzene	ND		ug/kg	1.4	0.28	1
Toluene	ND		ug/kg	2.1	0.28	1
Ethylbenzene	ND		ug/kg	1.4	0.24	1
Chloromethane	ND		ug/kg	7.2	0.62	1
Bromomethane	ND		ug/kg	2.9	0.48	1
Vinyl chloride	ND		ug/kg	2.9	0.45	1
Chloroethane	ND		ug/kg	2.9	0.45	1
1,1-Dichloroethene	ND		ug/kg	1.4	0.53	1
trans-1,2-Dichloroethene	ND		ug/kg	2.1	0.34	1

Project Name: SENDERO VERDE **Lab Number:** L1815370

Project Number: 2984.0001Y000 **Report Date:** 05/07/18

SAMPLE RESULTS

Lab ID: L1815370-12 Date Collected: 04/30/18 13:00

Client ID: SB-12 1' Date Received: 05/01/18

Sample Location: EAST HARLEM, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	1.4	0.43	1
1,2-Dichlorobenzene	ND		ug/kg	7.2	0.26	1
1,3-Dichlorobenzene	ND		ug/kg	7.2	0.31	1
1,4-Dichlorobenzene	ND		ug/kg	7.2	0.26	1
Methyl tert butyl ether	ND		ug/kg	2.9	0.22	1
p/m-Xylene	ND		ug/kg	2.9	0.50	1
o-Xylene	ND		ug/kg	2.9	0.48	1
Xylenes, Total	ND		ug/kg	2.9	0.48	1
cis-1,2-Dichloroethene	ND		ug/kg	1.4	0.49	1
1,2-Dichloroethene, Total	ND		ug/kg	1.4	0.34	1
Dibromomethane	ND		ug/kg	14	0.34	1
Styrene	ND		ug/kg	2.9	0.57	1
Dichlorodifluoromethane	ND		ug/kg	14	0.72	1
Acetone	ND		ug/kg	14	3.3	1
Carbon disulfide	ND		ug/kg	14	1.6	1
2-Butanone	ND		ug/kg	14	0.99	1
Vinyl acetate	ND		ug/kg	14	0.22	1
4-Methyl-2-pentanone	ND		ug/kg	14	0.35	1
1,2,3-Trichloropropane	ND		ug/kg	14	0.25	1
2-Hexanone	ND		ug/kg	14	0.95	1
Bromochloromethane	ND		ug/kg	7.2	0.51	1
2,2-Dichloropropane	ND		ug/kg	7.2	0.64	1
1,2-Dibromoethane	ND		ug/kg	5.7	0.28	1
1,3-Dichloropropane	ND		ug/kg	7.2	0.26	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.4	0.46	1
Bromobenzene	ND		ug/kg	7.2	0.31	1
n-Butylbenzene	ND		ug/kg	1.4	0.33	1
sec-Butylbenzene	ND		ug/kg	1.4	0.31	1
tert-Butylbenzene	ND		ug/kg	7.2	0.35	1
o-Chlorotoluene	ND		ug/kg	7.2	0.32	1
p-Chlorotoluene	ND		ug/kg	7.2	0.26	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	7.2	0.57	1
Hexachlorobutadiene	ND		ug/kg	7.2	0.50	1
Isopropylbenzene	ND		ug/kg	1.4	0.28	1
p-Isopropyltoluene	ND		ug/kg	1.4	0.29	1
Naphthalene	ND		ug/kg	7.2	0.20	1
Acrylonitrile	ND		ug/kg	14	0.74	1

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815370
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815370-12
Client ID: SB-12 1'
Sample Location: EAST HARLEM, NY
Date Collected: 04/30/18 13:00
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.4	0.31	1
1,2,3-Trichlorobenzene	ND		ug/kg	7.2	0.36	1
1,2,4-Trichlorobenzene	ND		ug/kg	7.2	0.31	1
1,3,5-Trimethylbenzene	ND		ug/kg	7.2	0.23	1
1,2,4-Trimethylbenzene	ND		ug/kg	7.2	0.27	1
1,4-Dioxane	ND		ug/kg	57	21.	1
p-Diethylbenzene	ND		ug/kg	5.7	5.7	1
p-Ethyltoluene	ND		ug/kg	5.7	0.34	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	5.7	0.22	1
Ethyl ether	ND		ug/kg	7.2	0.37	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	7.2	0.56	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	111		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	100		70-130

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815370
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815370-13
Client ID: SB-7 1'
Sample Location: EAST HARLEM, NY
Date Collected: 04/30/18 14:00
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 05/03/18 17:40
Analyst: AD
Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	13	2.1	1
1,1-Dichloroethane	ND		ug/kg	1.9	0.35	1
Chloroform	ND		ug/kg	1.9	0.48	1
Carbon tetrachloride	ND		ug/kg	1.3	0.45	1
1,2-Dichloropropane	ND		ug/kg	4.5	0.30	1
Dibromochloromethane	ND		ug/kg	1.3	0.23	1
1,1,2-Trichloroethane	ND		ug/kg	1.9	0.40	1
Tetrachloroethene	ND		ug/kg	1.3	0.39	1
Chlorobenzene	ND		ug/kg	1.3	0.45	1
Trichlorofluoromethane	ND		ug/kg	6.5	0.54	1
1,2-Dichloroethane	ND		ug/kg	1.3	0.32	1
1,1,1-Trichloroethane	ND		ug/kg	1.3	0.45	1
Bromodichloromethane	ND		ug/kg	1.3	0.40	1
trans-1,3-Dichloropropene	ND		ug/kg	1.3	0.27	1
cis-1,3-Dichloropropene	ND		ug/kg	1.3	0.30	1
1,3-Dichloropropene, Total	ND		ug/kg	1.3	0.27	1
1,1-Dichloropropene	ND		ug/kg	6.5	0.42	1
Bromoform	ND		ug/kg	5.2	0.31	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.3	0.39	1
Benzene	ND		ug/kg	1.3	0.25	1
Toluene	ND		ug/kg	1.9	0.25	1
Ethylbenzene	ND		ug/kg	1.3	0.22	1
Chloromethane	ND		ug/kg	6.5	0.56	1
Bromomethane	ND		ug/kg	2.6	0.44	1
Vinyl chloride	ND		ug/kg	2.6	0.41	1
Chloroethane	ND		ug/kg	2.6	0.41	1
1,1-Dichloroethene	ND		ug/kg	1.3	0.48	1
trans-1,2-Dichloroethene	ND		ug/kg	1.9	0.31	1

Project Name: SENDERO VERDE **Lab Number:** L1815370

Project Number: 2984.0001Y000 **Report Date:** 05/07/18

SAMPLE RESULTS

Lab ID: L1815370-13 Date Collected: 04/30/18 14:00

Client ID: SB-7 1' Date Received: 05/01/18

Sample Location: EAST HARLEM, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	1.3	0.39	1
1,2-Dichlorobenzene	ND		ug/kg	6.5	0.24	1
1,3-Dichlorobenzene	ND		ug/kg	6.5	0.28	1
1,4-Dichlorobenzene	ND		ug/kg	6.5	0.24	1
Methyl tert butyl ether	ND		ug/kg	2.6	0.20	1
p/m-Xylene	ND		ug/kg	2.6	0.46	1
o-Xylene	ND		ug/kg	2.6	0.44	1
Xylenes, Total	ND		ug/kg	2.6	0.44	1
cis-1,2-Dichloroethene	ND		ug/kg	1.3	0.44	1
1,2-Dichloroethene, Total	ND		ug/kg	1.3	0.31	1
Dibromomethane	ND		ug/kg	13	0.31	1
Styrene	ND		ug/kg	2.6	0.52	1
Dichlorodifluoromethane	ND		ug/kg	13	0.65	1
Acetone	ND		ug/kg	13	3.0	1
Carbon disulfide	ND		ug/kg	13	1.4	1
2-Butanone	ND		ug/kg	13	0.89	1
Vinyl acetate	ND		ug/kg	13	0.20	1
4-Methyl-2-pentanone	ND		ug/kg	13	0.32	1
1,2,3-Trichloropropane	ND		ug/kg	13	0.23	1
2-Hexanone	ND		ug/kg	13	0.86	1
Bromochloromethane	ND		ug/kg	6.5	0.46	1
2,2-Dichloropropane	ND		ug/kg	6.5	0.58	1
1,2-Dibromoethane	ND		ug/kg	5.2	0.26	1
1,3-Dichloropropane	ND		ug/kg	6.5	0.24	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.3	0.41	1
Bromobenzene	ND		ug/kg	6.5	0.28	1
n-Butylbenzene	ND		ug/kg	1.3	0.30	1
sec-Butylbenzene	ND		ug/kg	1.3	0.28	1
tert-Butylbenzene	ND		ug/kg	6.5	0.32	1
o-Chlorotoluene	ND		ug/kg	6.5	0.29	1
p-Chlorotoluene	ND		ug/kg	6.5	0.24	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.5	0.51	1
Hexachlorobutadiene	ND		ug/kg	6.5	0.45	1
Isopropylbenzene	ND		ug/kg	1.3	0.25	1
p-Isopropyltoluene	ND		ug/kg	1.3	0.26	1
Naphthalene	ND		ug/kg	6.5	0.18	1
Acrylonitrile	ND		ug/kg	13	0.67	1

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815370
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815370-13
Client ID: SB-7 1'
Sample Location: EAST HARLEM, NY
Date Collected: 04/30/18 14:00
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.3	0.28	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.5	0.32	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.5	0.28	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.5	0.21	1
1,2,4-Trimethylbenzene	ND		ug/kg	6.5	0.24	1
1,4-Dioxane	ND		ug/kg	52	19.	1
p-Diethylbenzene	ND		ug/kg	5.2	5.2	1
p-Ethyltoluene	ND		ug/kg	5.2	0.30	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	5.2	0.20	1
Ethyl ether	ND		ug/kg	6.5	0.34	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.5	0.51	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	112		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	98		70-130

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815370
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815370-14
Client ID: SB-4 1'
Sample Location: EAST HARLEM, NY
Date Collected: 04/30/18 15:00
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 05/03/18 18:08
Analyst: AD
Percent Solids: 82%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	15	2.4	1
1,1-Dichloroethane	ND		ug/kg	2.2	0.40	1
Chloroform	ND		ug/kg	2.2	0.55	1
Carbon tetrachloride	ND		ug/kg	1.5	0.51	1
1,2-Dichloropropane	ND		ug/kg	5.2	0.34	1
Dibromochloromethane	ND		ug/kg	1.5	0.26	1
1,1,2-Trichloroethane	ND		ug/kg	2.2	0.47	1
Tetrachloroethene	ND		ug/kg	1.5	0.45	1
Chlorobenzene	ND		ug/kg	1.5	0.52	1
Trichlorofluoromethane	ND		ug/kg	7.4	0.62	1
1,2-Dichloroethane	ND		ug/kg	1.5	0.37	1
1,1,1-Trichloroethane	ND		ug/kg	1.5	0.52	1
Bromodichloromethane	ND		ug/kg	1.5	0.46	1
trans-1,3-Dichloropropene	ND		ug/kg	1.5	0.31	1
cis-1,3-Dichloropropene	ND		ug/kg	1.5	0.34	1
1,3-Dichloropropene, Total	ND		ug/kg	1.5	0.31	1
1,1-Dichloropropene	ND		ug/kg	7.4	0.49	1
Bromoform	ND		ug/kg	6.0	0.35	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.5	0.44	1
Benzene	ND		ug/kg	1.5	0.29	1
Toluene	ND		ug/kg	2.2	0.29	1
Ethylbenzene	ND		ug/kg	1.5	0.25	1
Chloromethane	ND		ug/kg	7.4	0.65	1
Bromomethane	ND		ug/kg	3.0	0.50	1
Vinyl chloride	ND		ug/kg	3.0	0.47	1
Chloroethane	ND		ug/kg	3.0	0.47	1
1,1-Dichloroethene	ND		ug/kg	1.5	0.55	1
trans-1,2-Dichloroethene	ND		ug/kg	2.2	0.36	1

Project Name: SENDERO VERDE **Lab Number:** L1815370

Project Number: 2984.0001Y000 **Report Date:** 05/07/18

SAMPLE RESULTS

Lab ID: L1815370-14 Date Collected: 04/30/18 15:00

Client ID: SB-4 1' Date Received: 05/01/18

Sample Location: EAST HARLEM, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	1.5	0.45	1
1,2-Dichlorobenzene	ND		ug/kg	7.4	0.27	1
1,3-Dichlorobenzene	ND		ug/kg	7.4	0.32	1
1,4-Dichlorobenzene	ND		ug/kg	7.4	0.27	1
Methyl tert butyl ether	ND		ug/kg	3.0	0.23	1
p/m-Xylene	ND		ug/kg	3.0	0.52	1
o-Xylene	ND		ug/kg	3.0	0.50	1
Xylenes, Total	ND		ug/kg	3.0	0.50	1
cis-1,2-Dichloroethene	ND		ug/kg	1.5	0.51	1
1,2-Dichloroethene, Total	ND		ug/kg	1.5	0.36	1
Dibromomethane	ND		ug/kg	15	0.36	1
Styrene	ND		ug/kg	3.0	0.60	1
Dichlorodifluoromethane	ND		ug/kg	15	0.74	1
Acetone	ND		ug/kg	15	3.4	1
Carbon disulfide	ND		ug/kg	15	1.6	1
2-Butanone	ND		ug/kg	15	1.0	1
Vinyl acetate	ND		ug/kg	15	0.23	1
4-Methyl-2-pentanone	ND		ug/kg	15	0.36	1
1,2,3-Trichloropropane	ND		ug/kg	15	0.26	1
2-Hexanone	ND		ug/kg	15	0.99	1
Bromochloromethane	ND		ug/kg	7.4	0.53	1
2,2-Dichloropropane	ND		ug/kg	7.4	0.67	1
1,2-Dibromoethane	ND		ug/kg	6.0	0.30	1
1,3-Dichloropropane	ND		ug/kg	7.4	0.27	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.5	0.47	1
Bromobenzene	ND		ug/kg	7.4	0.33	1
n-Butylbenzene	ND		ug/kg	1.5	0.34	1
sec-Butylbenzene	ND		ug/kg	1.5	0.32	1
tert-Butylbenzene	ND		ug/kg	7.4	0.37	1
o-Chlorotoluene	ND		ug/kg	7.4	0.33	1
p-Chlorotoluene	ND		ug/kg	7.4	0.27	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	7.4	0.59	1
Hexachlorobutadiene	ND		ug/kg	7.4	0.52	1
Isopropylbenzene	ND		ug/kg	1.5	0.29	1
p-Isopropyltoluene	ND		ug/kg	1.5	0.30	1
Naphthalene	ND		ug/kg	7.4	0.20	1
Acrylonitrile	ND		ug/kg	15	0.76	1

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815370
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815370-14
Client ID: SB-4 1'
Sample Location: EAST HARLEM, NY
Date Collected: 04/30/18 15:00
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.5	0.32	1
1,2,3-Trichlorobenzene	ND		ug/kg	7.4	0.37	1
1,2,4-Trichlorobenzene	ND		ug/kg	7.4	0.32	1
1,3,5-Trimethylbenzene	ND		ug/kg	7.4	0.24	1
1,2,4-Trimethylbenzene	ND		ug/kg	7.4	0.28	1
1,4-Dioxane	ND		ug/kg	60	21.	1
p-Diethylbenzene	ND		ug/kg	6.0	6.0	1
p-Ethyltoluene	ND		ug/kg	6.0	0.35	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	6.0	0.23	1
Ethyl ether	ND		ug/kg	7.4	0.39	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	7.4	0.58	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	114		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	100		70-130

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815370
Report Date: 05/07/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/03/18 12:36
Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-14 Batch: WG1112378-5					
Methylene chloride	ND		ug/kg	10	1.6
1,1-Dichloroethane	ND		ug/kg	1.5	0.27
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.34
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.18
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.31
Tetrachloroethene	ND		ug/kg	1.0	0.30
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.42
1,2-Dichloroethane	ND		ug/kg	1.0	0.25
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.35
Bromodichloromethane	ND		ug/kg	1.0	0.31
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.21
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.23
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.21
1,1-Dichloropropene	ND		ug/kg	5.0	0.33
Bromoform	ND		ug/kg	4.0	0.24
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.30
Benzene	ND		ug/kg	1.0	0.19
Toluene	ND		ug/kg	1.5	0.20
Ethylbenzene	ND		ug/kg	1.0	0.17
Chloromethane	ND		ug/kg	5.0	0.44
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.32
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.37
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.24
Trichloroethene	ND		ug/kg	1.0	0.30

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815370
Report Date: 05/07/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/03/18 12:36
Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-14 Batch: WG1112378-5					
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.22
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.18
Methyl tert butyl ether	ND		ug/kg	2.0	0.15
p/m-Xylene	ND		ug/kg	2.0	0.35
o-Xylene	ND		ug/kg	2.0	0.34
Xylenes, Total	ND		ug/kg	2.0	0.34
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.34
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.24
Dibromomethane	ND		ug/kg	10	0.24
Styrene	ND		ug/kg	2.0	0.40
Dichlorodifluoromethane	ND		ug/kg	10	0.50
Acetone	ND		ug/kg	10	2.3
Carbon disulfide	ND		ug/kg	10	1.1
2-Butanone	ND		ug/kg	10	0.69
Vinyl acetate	ND		ug/kg	10	0.15
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.18
2-Hexanone	ND		ug/kg	10	0.67
Bromochloromethane	ND		ug/kg	5.0	0.36
2,2-Dichloropropane	ND		ug/kg	5.0	0.45
1,2-Dibromoethane	ND		ug/kg	4.0	0.20
1,3-Dichloropropane	ND		ug/kg	5.0	0.18
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.22
n-Butylbenzene	ND		ug/kg	1.0	0.23
sec-Butylbenzene	ND		ug/kg	1.0	0.22
tert-Butylbenzene	ND		ug/kg	5.0	0.25
o-Chlorotoluene	ND		ug/kg	5.0	0.22

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815370
Report Date: 05/07/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/03/18 12:36
Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-14 Batch: WG1112378-5					
p-Chlorotoluene	ND		ug/kg	5.0	0.18
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.40
Hexachlorobutadiene	ND		ug/kg	5.0	0.35
Isopropylbenzene	ND		ug/kg	1.0	0.19
p-Isopropyltoluene	ND		ug/kg	1.0	0.20
Naphthalene	0.24	J	ug/kg	5.0	0.14
Acrylonitrile	ND		ug/kg	10	0.51
n-Propylbenzene	ND		ug/kg	1.0	0.22
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.25
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.22
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.16
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.19
1,4-Dioxane	ND		ug/kg	40	14.
p-Diethylbenzene	ND		ug/kg	4.0	4.0
p-Ethyltoluene	ND		ug/kg	4.0	0.23
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.16
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.39

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	98		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: SENDERO VERDE

Project Number: 2984.0001Y000

Lab Number: L1815370

Report Date: 05/07/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-14 Batch: WG1112378-3 WG1112378-4								
Methylene chloride	92		88		70-130	4		30
1,1-Dichloroethane	100		98		70-130	2		30
Chloroform	97		95		70-130	2		30
Carbon tetrachloride	106		103		70-130	3		30
1,2-Dichloropropane	98		97		70-130	1		30
Dibromochloromethane	107		109		70-130	2		30
1,1,2-Trichloroethane	109		109		70-130	0		30
Tetrachloroethene	109		109		70-130	0		30
Chlorobenzene	107		106		70-130	1		30
Trichlorofluoromethane	112		108		70-139	4		30
1,2-Dichloroethane	92		91		70-130	1		30
1,1,1-Trichloroethane	104		102		70-130	2		30
Bromodichloromethane	97		96		70-130	1		30
trans-1,3-Dichloropropene	90		93		70-130	3		30
cis-1,3-Dichloropropene	100		100		70-130	0		30
1,1-Dichloropropene	108		104		70-130	4		30
Bromoform	92		94		70-130	2		30
1,1,2,2-Tetrachloroethane	104		105		70-130	1		30
Benzene	99		96		70-130	3		30
Toluene	110		108		70-130	2		30
Ethylbenzene	111		110		70-130	1		30
Chloromethane	95		86		52-130	10		30
Bromomethane	124		118		57-147	5		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SENDERO VERDE

Project Number: 2984.0001Y000

Lab Number: L1815370

Report Date: 05/07/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-14 Batch: WG1112378-3 WG1112378-4								
Vinyl chloride	104		100		67-130	4		30
Chloroethane	106		98		50-151	8		30
1,1-Dichloroethene	125		120		65-135	4		30
trans-1,2-Dichloroethene	103		100		70-130	3		30
Trichloroethene	100		97		70-130	3		30
1,2-Dichlorobenzene	109		108		70-130	1		30
1,3-Dichlorobenzene	111		109		70-130	2		30
1,4-Dichlorobenzene	106		106		70-130	0		30
Methyl tert butyl ether	93		93		66-130	0		30
p/m-Xylene	108		107		70-130	1		30
o-Xylene	106		106		70-130	0		30
cis-1,2-Dichloroethene	99		97		70-130	2		30
Dibromomethane	98		96		70-130	2		30
Styrene	106		104		70-130	2		30
Dichlorodifluoromethane	108		104		30-146	4		30
Acetone	110		97		54-140	13		30
Carbon disulfide	126		117		59-130	7		30
2-Butanone	96		100		70-130	4		30
Vinyl acetate	79		80		70-130	1		30
4-Methyl-2-pentanone	89		90		70-130	1		30
1,2,3-Trichloropropane	103		102		68-130	1		30
2-Hexanone	88		91		70-130	3		30
Bromochloromethane	103		100		70-130	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SENDERO VERDE

Project Number: 2984.0001Y000

Lab Number: L1815370

Report Date: 05/07/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-14 Batch: WG1112378-3 WG1112378-4								
2,2-Dichloropropane	104		103		70-130	1		30
1,2-Dibromoethane	110		112		70-130	2		30
1,3-Dichloropropane	105		106		69-130	1		30
1,1,1,2-Tetrachloroethane	110		111		70-130	1		30
Bromobenzene	110		108		70-130	2		30
n-Butylbenzene	118		115		70-130	3		30
sec-Butylbenzene	119		116		70-130	3		30
tert-Butylbenzene	119		116		70-130	3		30
o-Chlorotoluene	113		110		70-130	3		30
p-Chlorotoluene	112		110		70-130	2		30
1,2-Dibromo-3-chloropropane	92		94		68-130	2		30
Hexachlorobutadiene	116		113		67-130	3		30
Isopropylbenzene	118		115		70-130	3		30
p-Isopropyltoluene	121		117		70-130	3		30
Naphthalene	107		108		70-130	1		30
Acrylonitrile	84		86		70-130	2		30
n-Propylbenzene	117		114		70-130	3		30
1,2,3-Trichlorobenzene	108		108		70-130	0		30
1,2,4-Trichlorobenzene	111		110		70-130	1		30
1,3,5-Trimethylbenzene	115		112		70-130	3		30
1,2,4-Trimethylbenzene	117		115		70-130	2		30
1,4-Dioxane	85		87		65-136	2		30
p-Diethylbenzene	120		117		70-130	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SENDERO VERDE

Project Number: 2984.0001Y000

Lab Number: L1815370

Report Date: 05/07/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-14 Batch: WG1112378-3 WG1112378-4								
p-Ethyltoluene	119		115		70-130	3		30
1,2,4,5-Tetramethylbenzene	118		116		70-130	2		30
Ethyl ether	98		96		67-130	2		30
trans-1,4-Dichloro-2-butene	95		95		70-130	0		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	98		96		70-130
Toluene-d8	105		107		70-130
4-Bromofluorobenzene	101		100		70-130
Dibromofluoromethane	96		96		70-130

SEMIVOLATILES

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815370
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815370-01
Client ID: SB-3 (0-2)
Sample Location: EAST HARLEM, NY

Date Collected: 04/30/18 09:30
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 05/03/18 05:53
Analyst: RC
Percent Solids: 84%

Extraction Method: EPA 3546
Extraction Date: 05/02/18 01:37

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	22.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	26.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
1,2-Dichlorobenzene	ND		ug/kg	190	35.	1
1,3-Dichlorobenzene	ND		ug/kg	190	33.	1
1,4-Dichlorobenzene	ND		ug/kg	190	34.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	51.	1
2,4-Dinitrotoluene	ND		ug/kg	190	38.	1
2,6-Dinitrotoluene	ND		ug/kg	190	33.	1
Fluoranthene	530		ug/kg	120	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	21.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	29.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	33.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	550	170	1
Hexachloroethane	ND		ug/kg	150	31.	1
Isophorone	ND		ug/kg	170	25.	1
Naphthalene	ND		ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	30.	1
Bis(2-ethylhexyl)phthalate	360		ug/kg	190	67.	1
Butyl benzyl phthalate	ND		ug/kg	190	48.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	66.	1

Project Name: SENDERO VERDE **Lab Number:** L1815370

Project Number: 2984.0001Y000 **Report Date:** 05/07/18

SAMPLE RESULTS

Lab ID: L1815370-01 Date Collected: 04/30/18 09:30

Client ID: SB-3 (0-2) Date Received: 05/01/18

Sample Location: EAST HARLEM, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	190	18.	1
Dimethyl phthalate	ND		ug/kg	190	40.	1
Benzo(a)anthracene	290		ug/kg	120	22.	1
Benzo(a)pyrene	290		ug/kg	150	47.	1
Benzo(b)fluoranthene	380		ug/kg	120	32.	1
Benzo(k)fluoranthene	140		ug/kg	120	31.	1
Chrysene	290		ug/kg	120	20.	1
Acenaphthylene	110	J	ug/kg	150	30.	1
Anthracene	79	J	ug/kg	120	38.	1
Benzo(ghi)perylene	250		ug/kg	150	23.	1
Fluorene	21	J	ug/kg	190	19.	1
Phenanthrene	240		ug/kg	120	23.	1
Dibenzo(a,h)anthracene	50	J	ug/kg	120	22.	1
Indeno(1,2,3-cd)pyrene	250		ug/kg	150	27.	1
Pyrene	460		ug/kg	120	19.	1
Biphenyl	ND		ug/kg	440	45.	1
4-Chloroaniline	ND		ug/kg	190	35.	1
2-Nitroaniline	ND		ug/kg	190	37.	1
3-Nitroaniline	ND		ug/kg	190	36.	1
4-Nitroaniline	ND		ug/kg	190	80.	1
Dibenzofuran	ND		ug/kg	190	18.	1
2-Methylnaphthalene	ND		ug/kg	230	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	29.	1
2-Chlorophenol	ND		ug/kg	190	23.	1
2,4-Dichlorophenol	ND		ug/kg	170	31.	1
2,4-Dimethylphenol	ND		ug/kg	190	64.	1
2-Nitrophenol	ND		ug/kg	420	72.	1
4-Nitrophenol	ND		ug/kg	270	79.	1
2,4-Dinitrophenol	ND		ug/kg	920	90.	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	92.	1
Pentachlorophenol	ND		ug/kg	150	42.	1
Phenol	ND		ug/kg	190	29.	1
2-Methylphenol	ND		ug/kg	190	30.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	30.	1

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815370
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815370-01
Client ID: SB-3 (0-2)
Sample Location: EAST HARLEM, NY
Date Collected: 04/30/18 09:30
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	190	37.	1
Benzoic Acid	ND		ug/kg	620	200	1
Benzyl Alcohol	ND		ug/kg	190	59.	1
Carbazole	42	J	ug/kg	190	19.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	77		25-120
Phenol-d6	80		10-120
Nitrobenzene-d5	88		23-120
2-Fluorobiphenyl	85		30-120
2,4,6-Tribromophenol	93		10-136
4-Terphenyl-d14	90		18-120

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815370
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815370-02
Client ID: SB-5 (0-2)
Sample Location: EAST HARLEM, NY

Date Collected: 04/30/18 10:30
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 05/03/18 06:19
Analyst: RC
Percent Solids: 77%

Extraction Method: EPA 3546
Extraction Date: 05/02/18 01:37

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	570		ug/kg	170	22.	1
1,2,4-Trichlorobenzene	ND		ug/kg	210	24.	1
Hexachlorobenzene	ND		ug/kg	120	23.	1
Bis(2-chloroethyl)ether	ND		ug/kg	190	28.	1
2-Chloronaphthalene	ND		ug/kg	210	21.	1
1,2-Dichlorobenzene	ND		ug/kg	210	38.	1
1,3-Dichlorobenzene	ND		ug/kg	210	36.	1
1,4-Dichlorobenzene	ND		ug/kg	210	36.	1
3,3'-Dichlorobenzidine	ND		ug/kg	210	56.	1
2,4-Dinitrotoluene	ND		ug/kg	210	42.	1
2,6-Dinitrotoluene	ND		ug/kg	210	36.	1
Fluoranthene	15000	E	ug/kg	120	24.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	210	22.	1
4-Bromophenyl phenyl ether	ND		ug/kg	210	32.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	250	36.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	230	21.	1
Hexachlorobutadiene	ND		ug/kg	210	31.	1
Hexachlorocyclopentadiene	ND		ug/kg	600	190	1
Hexachloroethane	ND		ug/kg	170	34.	1
Isophorone	ND		ug/kg	190	27.	1
Naphthalene	320		ug/kg	210	26.	1
Nitrobenzene	ND		ug/kg	190	31.	1
NDPA/DPA	ND		ug/kg	170	24.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	210	32.	1
Bis(2-ethylhexyl)phthalate	110	J	ug/kg	210	72.	1
Butyl benzyl phthalate	71	J	ug/kg	210	53.	1
Di-n-butylphthalate	ND		ug/kg	210	40.	1
Di-n-octylphthalate	ND		ug/kg	210	71.	1

Project Name: SENDERO VERDE **Lab Number:** L1815370

Project Number: 2984.0001Y000 **Report Date:** 05/07/18

SAMPLE RESULTS

Lab ID: L1815370-02 Date Collected: 04/30/18 10:30

Client ID: SB-5 (0-2) Date Received: 05/01/18

Sample Location: EAST HARLEM, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	210	19.	1
Dimethyl phthalate	ND		ug/kg	210	44.	1
Benzo(a)anthracene	6000		ug/kg	120	24.	1
Benzo(a)pyrene	6200		ug/kg	170	51.	1
Benzo(b)fluoranthene	9400	E	ug/kg	120	35.	1
Benzo(k)fluoranthene	2400		ug/kg	120	34.	1
Chrysene	7200		ug/kg	120	22.	1
Acenaphthylene	3600		ug/kg	170	32.	1
Anthracene	2200		ug/kg	120	41.	1
Benzo(ghi)perylene	4400		ug/kg	170	25.	1
Fluorene	1200		ug/kg	210	20.	1
Phenanthrene	13000	E	ug/kg	120	25.	1
Dibenzo(a,h)anthracene	1000		ug/kg	120	24.	1
Indeno(1,2,3-cd)pyrene	5100		ug/kg	170	29.	1
Pyrene	12000	E	ug/kg	120	21.	1
Biphenyl	140	J	ug/kg	480	49.	1
4-Chloroaniline	ND		ug/kg	210	38.	1
2-Nitroaniline	ND		ug/kg	210	40.	1
3-Nitroaniline	ND		ug/kg	210	40.	1
4-Nitroaniline	ND		ug/kg	210	87.	1
Dibenzofuran	1100		ug/kg	210	20.	1
2-Methylnaphthalene	360		ug/kg	250	25.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	210	22.	1
Acetophenone	ND		ug/kg	210	26.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	40.	1
p-Chloro-m-cresol	ND		ug/kg	210	31.	1
2-Chlorophenol	ND		ug/kg	210	25.	1
2,4-Dichlorophenol	ND		ug/kg	190	34.	1
2,4-Dimethylphenol	ND		ug/kg	210	69.	1
2-Nitrophenol	ND		ug/kg	450	79.	1
4-Nitrophenol	ND		ug/kg	290	86.	1
2,4-Dinitrophenol	ND		ug/kg	1000	98.	1
4,6-Dinitro-o-cresol	ND		ug/kg	540	100	1
Pentachlorophenol	ND		ug/kg	170	46.	1
Phenol	54	J	ug/kg	210	32.	1
2-Methylphenol	ND		ug/kg	210	32.	1
3-Methylphenol/4-Methylphenol	88	J	ug/kg	300	33.	1

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815370
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815370-02
Client ID: SB-5 (0-2)
Sample Location: EAST HARLEM, NY
Date Collected: 04/30/18 10:30
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	210	40.	1
Benzoic Acid	ND		ug/kg	680	210	1
Benzyl Alcohol	ND		ug/kg	210	64.	1
Carbazole	930		ug/kg	210	20.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	76		25-120
Phenol-d6	81		10-120
Nitrobenzene-d5	89		23-120
2-Fluorobiphenyl	83		30-120
2,4,6-Tribromophenol	89		10-136
4-Terphenyl-d14	95		18-120

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815370
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815370-02 D
Client ID: SB-5 (0-2)
Sample Location: EAST HARLEM, NY

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 05/04/18 23:17
Analyst: CB
Percent Solids: 77%

Date Collected: 04/30/18 10:30
Date Received: 05/01/18
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 05/02/18 01:37

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Fluoranthene	25000		ug/kg	630	120	5
Benzo(b)fluoranthene	10000		ug/kg	630	180	5
Phenanthrene	22000		ug/kg	630	130	5
Pyrene	20000		ug/kg	630	100	5

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815370
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815370-03
Client ID: SB-6 (0-2)
Sample Location: EAST HARLEM, NY

Date Collected: 04/30/18 11:30
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 05/03/18 06:45
Analyst: RC
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 05/02/18 01:37

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	42	J	ug/kg	150	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	22.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	26.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
1,2-Dichlorobenzene	ND		ug/kg	190	34.	1
1,3-Dichlorobenzene	ND		ug/kg	190	32.	1
1,4-Dichlorobenzene	ND		ug/kg	190	33.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	38.	1
2,6-Dinitrotoluene	ND		ug/kg	190	32.	1
Fluoranthene	2400		ug/kg	110	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	29.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	170	24.	1
Naphthalene	120	J	ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	29.	1
Bis(2-ethylhexyl)phthalate	110	J	ug/kg	190	65.	1
Butyl benzyl phthalate	ND		ug/kg	190	48.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	64.	1

Project Name: SENDERO VERDE **Lab Number:** L1815370

Project Number: 2984.0001Y000 **Report Date:** 05/07/18

SAMPLE RESULTS

Lab ID: L1815370-03 Date Collected: 04/30/18 11:30

Client ID: SB-6 (0-2) Date Received: 05/01/18

Sample Location: EAST HARLEM, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	190	17.	1
Dimethyl phthalate	ND		ug/kg	190	40.	1
Benzo(a)anthracene	1400		ug/kg	110	21.	1
Benzo(a)pyrene	1600		ug/kg	150	46.	1
Benzo(b)fluoranthene	2300		ug/kg	110	32.	1
Benzo(k)fluoranthene	750		ug/kg	110	30.	1
Chrysene	1500		ug/kg	110	20.	1
Acenaphthylene	1000		ug/kg	150	29.	1
Anthracene	580		ug/kg	110	37.	1
Benzo(ghi)perylene	1700		ug/kg	150	22.	1
Fluorene	79	J	ug/kg	190	18.	1
Phenanthrene	1300		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	390		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	1600		ug/kg	150	26.	1
Pyrene	2000		ug/kg	110	19.	1
Biphenyl	ND		ug/kg	430	44.	1
4-Chloroaniline	ND		ug/kg	190	34.	1
2-Nitroaniline	ND		ug/kg	190	36.	1
3-Nitroaniline	ND		ug/kg	190	36.	1
4-Nitroaniline	ND		ug/kg	190	78.	1
Dibenzofuran	72	J	ug/kg	190	18.	1
2-Methylnaphthalene	34	J	ug/kg	230	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	28.	1
2-Chlorophenol	ND		ug/kg	190	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	ND		ug/kg	190	62.	1
2-Nitrophenol	ND		ug/kg	410	71.	1
4-Nitrophenol	ND		ug/kg	260	77.	1
2,4-Dinitrophenol	ND		ug/kg	900	88.	1
4,6-Dinitro-o-cresol	ND		ug/kg	490	90.	1
Pentachlorophenol	ND		ug/kg	150	41.	1
Phenol	ND		ug/kg	190	28.	1
2-Methylphenol	ND		ug/kg	190	29.	1
3-Methylphenol/4-Methylphenol	51	J	ug/kg	270	30.	1

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815370
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815370-03
Client ID: SB-6 (0-2)
Sample Location: EAST HARLEM, NY
Date Collected: 04/30/18 11:30
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	190	36.	1
Benzoic Acid	ND		ug/kg	610	190	1
Benzyl Alcohol	ND		ug/kg	190	58.	1
Carbazole	310		ug/kg	190	18.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	64		25-120
Phenol-d6	68		10-120
Nitrobenzene-d5	74		23-120
2-Fluorobiphenyl	69		30-120
2,4,6-Tribromophenol	74		10-136
4-Terphenyl-d14	71		18-120

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815370
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815370-04
Client ID: SB-8 (0-2)
Sample Location: EAST HARLEM, NY

Date Collected: 04/30/18 12:00
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 05/03/18 07:10
Analyst: RC
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 05/02/18 01:37

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	32.	1
1,3-Dichlorobenzene	ND		ug/kg	180	31.	1
1,4-Dichlorobenzene	ND		ug/kg	180	31.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	48.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	240		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	27.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	520	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	27.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	62.	1
Butyl benzyl phthalate	ND		ug/kg	180	45.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	61.	1

Project Name: SENDERO VERDE **Lab Number:** L1815370

Project Number: 2984.0001Y000 **Report Date:** 05/07/18

SAMPLE RESULTS

Lab ID: L1815370-04 Date Collected: 04/30/18 12:00

Client ID: SB-8 (0-2) Date Received: 05/01/18

Sample Location: EAST HARLEM, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	140		ug/kg	110	20.	1
Benzo(a)pyrene	150		ug/kg	140	44.	1
Benzo(b)fluoranthene	200		ug/kg	110	30.	1
Benzo(k)fluoranthene	68	J	ug/kg	110	29.	1
Chrysene	150		ug/kg	110	19.	1
Acenaphthylene	84	J	ug/kg	140	28.	1
Anthracene	44	J	ug/kg	110	35.	1
Benzo(ghi)perylene	120	J	ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	18.	1
Phenanthrene	88	J	ug/kg	110	22.	1
Dibenzo(a,h)anthracene	26	J	ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	120	J	ug/kg	140	25.	1
Pyrene	210		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	410	42.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	35.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	74.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	59.	1
2-Nitrophenol	ND		ug/kg	390	68.	1
4-Nitrophenol	ND		ug/kg	250	74.	1
2,4-Dinitrophenol	ND		ug/kg	860	84.	1
4,6-Dinitro-o-cresol	ND		ug/kg	470	86.	1
Pentachlorophenol	ND		ug/kg	140	40.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	28.	1

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815370
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815370-04
Client ID: SB-8 (0-2)
Sample Location: EAST HARLEM, NY
Date Collected: 04/30/18 12:00
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	34.	1
Benzoic Acid	ND		ug/kg	580	180	1
Benzyl Alcohol	ND		ug/kg	180	55.	1
Carbazole	21	J	ug/kg	180	18.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	84		25-120
Phenol-d6	87		10-120
Nitrobenzene-d5	88		23-120
2-Fluorobiphenyl	84		30-120
2,4,6-Tribromophenol	105		10-136
4-Terphenyl-d14	83		18-120

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815370
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815370-05
Client ID: SB-12 (0-2)
Sample Location: EAST HARLEM, NY

Date Collected: 04/30/18 13:00
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 05/03/18 07:36
Analyst: RC
Percent Solids: 85%

Extraction Method: EPA 3546
Extraction Date: 05/02/18 01:37

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	49	J	ug/kg	160	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	22.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	26.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
1,2-Dichlorobenzene	ND		ug/kg	190	35.	1
1,3-Dichlorobenzene	ND		ug/kg	190	33.	1
1,4-Dichlorobenzene	ND		ug/kg	190	34.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	52.	1
2,4-Dinitrotoluene	ND		ug/kg	190	39.	1
2,6-Dinitrotoluene	ND		ug/kg	190	33.	1
Fluoranthene	1900		ug/kg	120	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	21.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	30.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	33.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	550	180	1
Hexachloroethane	ND		ug/kg	160	31.	1
Isophorone	ND		ug/kg	170	25.	1
Naphthalene	37	J	ug/kg	190	24.	1
Nitrobenzene	ND		ug/kg	170	29.	1
NDPA/DPA	ND		ug/kg	160	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	30.	1
Bis(2-ethylhexyl)phthalate	690		ug/kg	190	67.	1
Butyl benzyl phthalate	ND		ug/kg	190	49.	1
Di-n-butylphthalate	ND		ug/kg	190	37.	1
Di-n-octylphthalate	940		ug/kg	190	66.	1

Project Name: SENDERO VERDE **Lab Number:** L1815370

Project Number: 2984.0001Y000 **Report Date:** 05/07/18

SAMPLE RESULTS

Lab ID: L1815370-05 Date Collected: 04/30/18 13:00

Client ID: SB-12 (0-2) Date Received: 05/01/18

Sample Location: EAST HARLEM, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	190	18.	1
Dimethyl phthalate	ND		ug/kg	190	41.	1
Benzo(a)anthracene	1300		ug/kg	120	22.	1
Benzo(a)pyrene	1200		ug/kg	160	47.	1
Benzo(b)fluoranthene	1500		ug/kg	120	33.	1
Benzo(k)fluoranthene	620		ug/kg	120	31.	1
Chrysene	1400		ug/kg	120	20.	1
Acenaphthylene	470		ug/kg	160	30.	1
Anthracene	310		ug/kg	120	38.	1
Benzo(ghi)perylene	900		ug/kg	160	23.	1
Fluorene	70	J	ug/kg	190	19.	1
Phenanthrene	940		ug/kg	120	24.	1
Dibenzo(a,h)anthracene	230		ug/kg	120	22.	1
Indeno(1,2,3-cd)pyrene	940		ug/kg	160	27.	1
Pyrene	1900		ug/kg	120	19.	1
Biphenyl	ND		ug/kg	440	45.	1
4-Chloroaniline	ND		ug/kg	190	35.	1
2-Nitroaniline	ND		ug/kg	190	37.	1
3-Nitroaniline	ND		ug/kg	190	36.	1
4-Nitroaniline	ND		ug/kg	190	80.	1
Dibenzofuran	30	J	ug/kg	190	18.	1
2-Methylnaphthalene	ND		ug/kg	230	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	37.	1
p-Chloro-m-cresol	ND		ug/kg	190	29.	1
2-Chlorophenol	ND		ug/kg	190	23.	1
2,4-Dichlorophenol	ND		ug/kg	170	31.	1
2,4-Dimethylphenol	ND		ug/kg	190	64.	1
2-Nitrophenol	ND		ug/kg	420	73.	1
4-Nitrophenol	ND		ug/kg	270	79.	1
2,4-Dinitrophenol	ND		ug/kg	930	90.	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	93.	1
Pentachlorophenol	ND		ug/kg	160	43.	1
Phenol	ND		ug/kg	190	29.	1
2-Methylphenol	ND		ug/kg	190	30.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	30.	1

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815370
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815370-05
Client ID: SB-12 (0-2)
Sample Location: EAST HARLEM, NY
Date Collected: 04/30/18 13:00
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	190	37.	1
Benzoic Acid	ND		ug/kg	630	200	1
Benzyl Alcohol	ND		ug/kg	190	59.	1
Carbazole	110	J	ug/kg	190	19.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	68		25-120
Phenol-d6	76		10-120
Nitrobenzene-d5	83		23-120
2-Fluorobiphenyl	83		30-120
2,4,6-Tribromophenol	91		10-136
4-Terphenyl-d14	87		18-120

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815370
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815370-06
Client ID: SB-7 (0-2)
Sample Location: EAST HARLEM, NY

Date Collected: 04/30/18 14:00
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 05/03/18 08:02
Analyst: RC
Percent Solids: 83%

Extraction Method: EPA 3546
Extraction Date: 05/02/18 01:37

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	33	J	ug/kg	160	21.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	23.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	27.	1
2-Chloronaphthalene	ND		ug/kg	200	20.	1
1,2-Dichlorobenzene	ND		ug/kg	200	36.	1
1,3-Dichlorobenzene	ND		ug/kg	200	34.	1
1,4-Dichlorobenzene	ND		ug/kg	200	35.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	53.	1
2,4-Dinitrotoluene	ND		ug/kg	200	40.	1
2,6-Dinitrotoluene	ND		ug/kg	200	34.	1
Fluoranthene	830		ug/kg	120	23.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	21.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	30.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	34.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	20.	1
Hexachlorobutadiene	ND		ug/kg	200	29.	1
Hexachlorocyclopentadiene	ND		ug/kg	570	180	1
Hexachloroethane	ND		ug/kg	160	32.	1
Isophorone	ND		ug/kg	180	26.	1
Naphthalene	ND		ug/kg	200	24.	1
Nitrobenzene	ND		ug/kg	180	30.	1
NDPA/DPA	ND		ug/kg	160	23.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	31.	1
Bis(2-ethylhexyl)phthalate	160	J	ug/kg	200	69.	1
Butyl benzyl phthalate	ND		ug/kg	200	50.	1
Di-n-butylphthalate	ND		ug/kg	200	38.	1
Di-n-octylphthalate	ND		ug/kg	200	68.	1

Project Name: SENDERO VERDE **Lab Number:** L1815370

Project Number: 2984.0001Y000 **Report Date:** 05/07/18

SAMPLE RESULTS

Lab ID: L1815370-06 Date Collected: 04/30/18 14:00

Client ID: SB-7 (0-2) Date Received: 05/01/18

Sample Location: EAST HARLEM, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	200	18.	1
Dimethyl phthalate	ND		ug/kg	200	42.	1
Benzo(a)anthracene	480		ug/kg	120	22.	1
Benzo(a)pyrene	440		ug/kg	160	49.	1
Benzo(b)fluoranthene	600		ug/kg	120	34.	1
Benzo(k)fluoranthene	140		ug/kg	120	32.	1
Chrysene	470		ug/kg	120	21.	1
Acenaphthylene	140	J	ug/kg	160	31.	1
Anthracene	150		ug/kg	120	39.	1
Benzo(ghi)perylene	300		ug/kg	160	23.	1
Fluorene	42	J	ug/kg	200	19.	1
Phenanthrene	410		ug/kg	120	24.	1
Dibenzo(a,h)anthracene	63	J	ug/kg	120	23.	1
Indeno(1,2,3-cd)pyrene	310		ug/kg	160	28.	1
Pyrene	790		ug/kg	120	20.	1
Biphenyl	ND		ug/kg	450	46.	1
4-Chloroaniline	ND		ug/kg	200	36.	1
2-Nitroaniline	ND		ug/kg	200	38.	1
3-Nitroaniline	ND		ug/kg	200	38.	1
4-Nitroaniline	ND		ug/kg	200	83.	1
Dibenzofuran	ND		ug/kg	200	19.	1
2-Methylnaphthalene	ND		ug/kg	240	24.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	21.	1
Acetophenone	ND		ug/kg	200	25.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	38.	1
p-Chloro-m-cresol	ND		ug/kg	200	30.	1
2-Chlorophenol	ND		ug/kg	200	24.	1
2,4-Dichlorophenol	ND		ug/kg	180	32.	1
2,4-Dimethylphenol	ND		ug/kg	200	66.	1
2-Nitrophenol	ND		ug/kg	430	75.	1
4-Nitrophenol	ND		ug/kg	280	81.	1
2,4-Dinitrophenol	ND		ug/kg	960	93.	1
4,6-Dinitro-o-cresol	ND		ug/kg	520	96.	1
Pentachlorophenol	ND		ug/kg	160	44.	1
Phenol	ND		ug/kg	200	30.	1
2-Methylphenol	ND		ug/kg	200	31.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	290	31.	1

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815370
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815370-06
Client ID: SB-7 (0-2)
Sample Location: EAST HARLEM, NY
Date Collected: 04/30/18 14:00
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	200	38.	1
Benzoic Acid	ND		ug/kg	650	200	1
Benzyl Alcohol	ND		ug/kg	200	61.	1
Carbazole	40	J	ug/kg	200	19.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	83		25-120
Phenol-d6	88		10-120
Nitrobenzene-d5	94		23-120
2-Fluorobiphenyl	94		30-120
2,4,6-Tribromophenol	105		10-136
4-Terphenyl-d14	97		18-120

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815370
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815370-07
Client ID: SB-4 (0-2)
Sample Location: EAST HARLEM, NY

Date Collected: 04/30/18 15:00
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 05/03/18 08:28
Analyst: RC
Percent Solids: 82%

Extraction Method: EPA 3546
Extraction Date: 05/02/18 01:37

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	190		ug/kg	160	21.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	23.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	27.	1
2-Chloronaphthalene	ND		ug/kg	200	20.	1
1,2-Dichlorobenzene	ND		ug/kg	200	36.	1
1,3-Dichlorobenzene	ND		ug/kg	200	34.	1
1,4-Dichlorobenzene	ND		ug/kg	200	35.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	53.	1
2,4-Dinitrotoluene	ND		ug/kg	200	40.	1
2,6-Dinitrotoluene	ND		ug/kg	200	34.	1
Fluoranthene	4700		ug/kg	120	23.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	21.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	30.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	34.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	20.	1
Hexachlorobutadiene	ND		ug/kg	200	29.	1
Hexachlorocyclopentadiene	ND		ug/kg	570	180	1
Hexachloroethane	ND		ug/kg	160	32.	1
Isophorone	ND		ug/kg	180	26.	1
Naphthalene	77	J	ug/kg	200	24.	1
Nitrobenzene	ND		ug/kg	180	29.	1
NDPA/DPA	ND		ug/kg	160	23.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	31.	1
Bis(2-ethylhexyl)phthalate	240		ug/kg	200	69.	1
Butyl benzyl phthalate	990		ug/kg	200	50.	1
Di-n-butylphthalate	ND		ug/kg	200	38.	1
Di-n-octylphthalate	ND		ug/kg	200	68.	1

Project Name: SENDERO VERDE **Lab Number:** L1815370

Project Number: 2984.0001Y000 **Report Date:** 05/07/18

SAMPLE RESULTS

Lab ID: L1815370-07 Date Collected: 04/30/18 15:00

Client ID: SB-4 (0-2) Date Received: 05/01/18

Sample Location: EAST HARLEM, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	200	18.	1
Dimethyl phthalate	ND		ug/kg	200	42.	1
Benzo(a)anthracene	2500		ug/kg	120	22.	1
Benzo(a)pyrene	2300		ug/kg	160	49.	1
Benzo(b)fluoranthene	2800		ug/kg	120	34.	1
Benzo(k)fluoranthene	920		ug/kg	120	32.	1
Chrysene	2200		ug/kg	120	21.	1
Acenaphthylene	200		ug/kg	160	31.	1
Anthracene	840		ug/kg	120	39.	1
Benzo(ghi)perylene	1400		ug/kg	160	23.	1
Fluorene	160	J	ug/kg	200	19.	1
Phenanthrene	2800		ug/kg	120	24.	1
Dibenzo(a,h)anthracene	310		ug/kg	120	23.	1
Indeno(1,2,3-cd)pyrene	1600		ug/kg	160	28.	1
Pyrene	4100		ug/kg	120	20.	1
Biphenyl	ND		ug/kg	450	46.	1
4-Chloroaniline	ND		ug/kg	200	36.	1
2-Nitroaniline	ND		ug/kg	200	38.	1
3-Nitroaniline	ND		ug/kg	200	38.	1
4-Nitroaniline	ND		ug/kg	200	82.	1
Dibenzofuran	140	J	ug/kg	200	19.	1
2-Methylnaphthalene	32	J	ug/kg	240	24.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	21.	1
Acetophenone	ND		ug/kg	200	25.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	38.	1
p-Chloro-m-cresol	ND		ug/kg	200	30.	1
2-Chlorophenol	ND		ug/kg	200	24.	1
2,4-Dichlorophenol	ND		ug/kg	180	32.	1
2,4-Dimethylphenol	ND		ug/kg	200	66.	1
2-Nitrophenol	ND		ug/kg	430	75.	1
4-Nitrophenol	ND		ug/kg	280	81.	1
2,4-Dinitrophenol	ND		ug/kg	960	93.	1
4,6-Dinitro-o-cresol	ND		ug/kg	520	96.	1
Pentachlorophenol	ND		ug/kg	160	44.	1
Phenol	ND		ug/kg	200	30.	1
2-Methylphenol	ND		ug/kg	200	31.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	290	31.	1

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815370
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815370-07
Client ID: SB-4 (0-2)
Sample Location: EAST HARLEM, NY
Date Collected: 04/30/18 15:00
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	200	38.	1
Benzoic Acid	ND		ug/kg	640	200	1
Benzyl Alcohol	ND		ug/kg	200	61.	1
Carbazole	180	J	ug/kg	200	19.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	94		25-120
Phenol-d6	98		10-120
Nitrobenzene-d5	104		23-120
2-Fluorobiphenyl	85		30-120
2,4,6-Tribromophenol	102		10-136
4-Terphenyl-d14	81		18-120

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815370
Report Date: 05/07/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 05/01/18 12:25
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 05/01/18 02:25

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG1111239-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	19.
Hexachlorobenzene	ND		ug/kg	99	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	30.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	29.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	33.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	99	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	18.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	27.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	57.
Butyl benzyl phthalate	ND		ug/kg	160	42.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	56.
Diethyl phthalate	ND		ug/kg	160	15.

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815370
Report Date: 05/07/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 05/01/18 12:25
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 05/01/18 02:25

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG1111239-1					
Dimethyl phthalate	ND		ug/kg	160	35.
Benzo(a)anthracene	ND		ug/kg	99	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	99	28.
Benzo(k)fluoranthene	ND		ug/kg	99	26.
Chrysene	ND		ug/kg	99	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	99	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	99	20.
Dibenzo(a,h)anthracene	ND		ug/kg	99	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	99	16.
Biphenyl	ND		ug/kg	380	38.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	32.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	68.
Dibenzofuran	ND		ug/kg	160	16.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	99	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	20.
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	360	62.

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815370
Report Date: 05/07/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 05/01/18 12:25
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 05/01/18 02:25

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG1111239-1					
4-Nitrophenol	ND		ug/kg	230	67.
2,4-Dinitrophenol	ND		ug/kg	790	77.
4,6-Dinitro-o-cresol	ND		ug/kg	430	79.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	26.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	32.
Benzoic Acid	ND		ug/kg	530	170
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	16.
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/kg		

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	71		25-120
Phenol-d6	74		10-120
Nitrobenzene-d5	78		23-120
2-Fluorobiphenyl	74		30-120
2,4,6-Tribromophenol	68		10-136
4-Terphenyl-d14	86		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: SENDERO VERDE

Project Number: 2984.0001Y000

Lab Number: L1815370

Report Date: 05/07/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG1111239-2 WG1111239-3								
Acenaphthene	65		66		31-137	2		50
1,2,4-Trichlorobenzene	63		65		38-107	3		50
Hexachlorobenzene	66		67		40-140	2		50
Bis(2-chloroethyl)ether	66		66		40-140	0		50
2-Chloronaphthalene	68		70		40-140	3		50
1,2-Dichlorobenzene	63		64		40-140	2		50
1,3-Dichlorobenzene	63		63		40-140	0		50
1,4-Dichlorobenzene	62		63		28-104	2		50
3,3'-Dichlorobenzidine	44		44		40-140	0		50
2,4-Dinitrotoluene	84		88		40-132	5		50
2,6-Dinitrotoluene	86		87		40-140	1		50
Fluoranthene	69		72		40-140	4		50
4-Chlorophenyl phenyl ether	66		67		40-140	2		50
4-Bromophenyl phenyl ether	67		68		40-140	1		50
Bis(2-chloroisopropyl)ether	87		89		40-140	2		50
Bis(2-chloroethoxy)methane	68		69		40-117	1		50
Hexachlorobutadiene	64		65		40-140	2		50
Hexachlorocyclopentadiene	49		51		40-140	4		50
Hexachloroethane	64		64		40-140	0		50
Isophorone	69		70		40-140	1		50
Naphthalene	64		65		40-140	2		50
Nitrobenzene	72		73		40-140	1		50
NDPA/DPA	68		69		36-157	1		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: SENDERO VERDE

Project Number: 2984.0001Y000

Lab Number: L1815370

Report Date: 05/07/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG1111239-2 WG1111239-3								
n-Nitrosodi-n-propylamine	69		69		32-121	0		50
Bis(2-ethylhexyl)phthalate	72		74		40-140	3		50
Butyl benzyl phthalate	73		77		40-140	5		50
Di-n-butylphthalate	70		72		40-140	3		50
Di-n-octylphthalate	74		77		40-140	4		50
Diethyl phthalate	67		69		40-140	3		50
Dimethyl phthalate	70		71		40-140	1		50
Benzo(a)anthracene	67		68		40-140	1		50
Benzo(a)pyrene	70		73		40-140	4		50
Benzo(b)fluoranthene	68		72		40-140	6		50
Benzo(k)fluoranthene	69		71		40-140	3		50
Chrysene	67		69		40-140	3		50
Acenaphthylene	70		71		40-140	1		50
Anthracene	68		70		40-140	3		50
Benzo(ghi)perylene	68		68		40-140	0		50
Fluorene	68		69		40-140	1		50
Phenanthrene	67		69		40-140	3		50
Dibenzo(a,h)anthracene	66		66		40-140	0		50
Indeno(1,2,3-cd)pyrene	67		67		40-140	0		50
Pyrene	68		72		35-142	6		50
Biphenyl	69		70		54-104	1		50
4-Chloroaniline	65		75		40-140	14		50
2-Nitroaniline	84		85		47-134	1		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815370
Report Date: 05/07/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG1111239-2 WG1111239-3								
3-Nitroaniline	64		65		26-129	2		50
4-Nitroaniline	78		81		41-125	4		50
Dibenzofuran	67		68		40-140	1		50
2-Methylnaphthalene	66		67		40-140	2		50
1,2,4,5-Tetrachlorobenzene	67		69		40-117	3		50
Acetophenone	70		72		14-144	3		50
2,4,6-Trichlorophenol	71		74		30-130	4		50
p-Chloro-m-cresol	72		74		26-103	3		50
2-Chlorophenol	66		68		25-102	3		50
2,4-Dichlorophenol	73		73		30-130	0		50
2,4-Dimethylphenol	71		73		30-130	3		50
2-Nitrophenol	78		81		30-130	4		50
4-Nitrophenol	82		85		11-114	4		50
2,4-Dinitrophenol	33		36		4-130	9		50
4,6-Dinitro-o-cresol	72		78		10-130	8		50
Pentachlorophenol	52		54		17-109	4		50
Phenol	64		65		26-90	2		50
2-Methylphenol	69		70		30-130.	1		50
3-Methylphenol/4-Methylphenol	71		73		30-130	3		50
2,4,5-Trichlorophenol	71		73		30-130	3		50
Benzoic Acid	14		13		10-110	7		50
Benzyl Alcohol	70		71		40-140	1		50
Carbazole	71		73		54-128	3		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: SENDERO VERDE

Project Number: 2984.0001Y000

Lab Number: L1815370

Report Date: 05/07/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG1111239-2 WG1111239-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	66		67		25-120
Phenol-d6	68		69		10-120
Nitrobenzene-d5	73		75		23-120
2-Fluorobiphenyl	70		70		30-120
2,4,6-Tribromophenol	68		69		10-136
4-Terphenyl-d14	74		78		18-120

PCBS

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815370
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815370-01
Client ID: SB-3 (0-2)
Sample Location: EAST HARLEM, NY

Date Collected: 04/30/18 09:30
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 05/04/18 13:32
Analyst: WR
Percent Solids: 84%

Extraction Method: EPA 3546
Extraction Date: 05/02/18 03:01
Cleanup Method: EPA 3665A
Cleanup Date: 05/02/18
Cleanup Method: EPA 3660B
Cleanup Date: 05/02/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	39.5	4.48	1	A
Aroclor 1221	ND		ug/kg	39.5	6.01	1	A
Aroclor 1232	ND		ug/kg	39.5	3.89	1	A
Aroclor 1242	ND		ug/kg	39.5	4.84	1	A
Aroclor 1248	ND		ug/kg	39.5	4.43	1	A
Aroclor 1254	14.8	J	ug/kg	39.5	3.22	1	B
Aroclor 1260	14.4	J	ug/kg	39.5	4.12	1	A
Aroclor 1262	ND		ug/kg	39.5	3.25	1	A
Aroclor 1268	ND		ug/kg	39.5	2.80	1	A
PCBs, Total	29.2	J	ug/kg	39.5	2.80	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	84		30-150	A
Decachlorobiphenyl	71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	80		30-150	B
Decachlorobiphenyl	85		30-150	B

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815370
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815370-02
Client ID: SB-5 (0-2)
Sample Location: EAST HARLEM, NY

Date Collected: 04/30/18 10:30
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 05/04/18 13:45
Analyst: WR
Percent Solids: 77%

Extraction Method: EPA 3546
Extraction Date: 05/02/18 03:01
Cleanup Method: EPA 3665A
Cleanup Date: 05/02/18
Cleanup Method: EPA 3660B
Cleanup Date: 05/02/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	41.9	4.75	1	A
Aroclor 1221	ND		ug/kg	41.9	6.38	1	A
Aroclor 1232	ND		ug/kg	41.9	4.12	1	A
Aroclor 1242	ND		ug/kg	41.9	5.13	1	A
Aroclor 1248	ND		ug/kg	41.9	4.70	1	A
Aroclor 1254	28.6	J	ug/kg	41.9	3.42	1	B
Aroclor 1260	50.3	P	ug/kg	41.9	4.37	1	B
Aroclor 1262	ND		ug/kg	41.9	3.44	1	A
Aroclor 1268	11.2	J	ug/kg	41.9	2.97	1	B
PCBs, Total	90.1	J	ug/kg	41.9	2.97	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		30-150	A
Decachlorobiphenyl	74		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	95		30-150	B

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815370
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815370-03
Client ID: SB-6 (0-2)
Sample Location: EAST HARLEM, NY

Date Collected: 04/30/18 11:30
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 05/04/18 13:59
Analyst: WR
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 05/02/18 03:01
Cleanup Method: EPA 3665A
Cleanup Date: 05/02/18
Cleanup Method: EPA 3660B
Cleanup Date: 05/02/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.7	4.16	1	A
Aroclor 1221	ND		ug/kg	36.7	5.58	1	A
Aroclor 1232	ND		ug/kg	36.7	3.61	1	A
Aroclor 1242	ND		ug/kg	36.7	4.49	1	A
Aroclor 1248	ND		ug/kg	36.7	4.11	1	A
Aroclor 1254	30.4	J	ug/kg	36.7	2.99	1	A
Aroclor 1260	34.8	J	ug/kg	36.7	3.83	1	B
Aroclor 1262	ND		ug/kg	36.7	3.01	1	A
Aroclor 1268	14.2	J	ug/kg	36.7	2.60	1	A
PCBs, Total	79.4	J	ug/kg	36.7	2.60	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		30-150	A
Decachlorobiphenyl	78		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	85		30-150	B

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815370
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815370-04
Client ID: SB-8 (0-2)
Sample Location: EAST HARLEM, NY

Date Collected: 04/30/18 12:00
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 05/04/18 14:13
Analyst: WR
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 05/02/18 03:01
Cleanup Method: EPA 3665A
Cleanup Date: 05/02/18
Cleanup Method: EPA 3660B
Cleanup Date: 05/02/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.4	4.02	1	A
Aroclor 1221	ND		ug/kg	35.4	5.39	1	A
Aroclor 1232	ND		ug/kg	35.4	3.49	1	A
Aroclor 1242	ND		ug/kg	35.4	4.34	1	A
Aroclor 1248	ND		ug/kg	35.4	3.98	1	A
Aroclor 1254	6.84	J	ug/kg	35.4	2.89	1	A
Aroclor 1260	7.74	J	ug/kg	35.4	3.70	1	B
Aroclor 1262	ND		ug/kg	35.4	2.91	1	A
Aroclor 1268	ND		ug/kg	35.4	2.51	1	A
PCBs, Total	14.6	J	ug/kg	35.4	2.51	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		30-150	A
Decachlorobiphenyl	68		30-150	A
2,4,5,6-Tetrachloro-m-xylene	83		30-150	B
Decachlorobiphenyl	89		30-150	B

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815370
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815370-05
Client ID: SB-12 (0-2)
Sample Location: EAST HARLEM, NY

Date Collected: 04/30/18 13:00
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 05/04/18 14:27
Analyst: WR
Percent Solids: 85%

Extraction Method: EPA 3546
Extraction Date: 05/02/18 03:01
Cleanup Method: EPA 3665A
Cleanup Date: 05/02/18
Cleanup Method: EPA 3660B
Cleanup Date: 05/02/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	38.6	4.38	1	A
Aroclor 1221	ND		ug/kg	38.6	5.88	1	A
Aroclor 1232	ND		ug/kg	38.6	3.80	1	A
Aroclor 1242	ND		ug/kg	38.6	4.72	1	A
Aroclor 1248	ND		ug/kg	38.6	4.33	1	A
Aroclor 1254	52.2	P	ug/kg	38.6	3.15	1	B
Aroclor 1260	42.4		ug/kg	38.6	4.03	1	B
Aroclor 1262	ND		ug/kg	38.6	3.17	1	A
Aroclor 1268	19.2	J	ug/kg	38.6	2.73	1	A
PCBs, Total	114	J	ug/kg	38.6	2.73	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		30-150	A
Decachlorobiphenyl	87		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		30-150	B
Decachlorobiphenyl	104		30-150	B

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815370
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815370-06
Client ID: SB-7 (0-2)
Sample Location: EAST HARLEM, NY

Date Collected: 04/30/18 14:00
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 05/04/18 14:41
Analyst: WR
Percent Solids: 83%

Extraction Method: EPA 3546
Extraction Date: 05/02/18 03:01
Cleanup Method: EPA 3665A
Cleanup Date: 05/02/18
Cleanup Method: EPA 3660B
Cleanup Date: 05/02/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	39.0	4.42	1	A
Aroclor 1221	ND		ug/kg	39.0	5.94	1	A
Aroclor 1232	ND		ug/kg	39.0	3.84	1	A
Aroclor 1242	ND		ug/kg	39.0	4.78	1	A
Aroclor 1248	ND		ug/kg	39.0	4.38	1	A
Aroclor 1254	20.0	JPI	ug/kg	39.0	3.18	1	A
Aroclor 1260	26.3	J	ug/kg	39.0	4.07	1	B
Aroclor 1262	ND		ug/kg	39.0	3.21	1	A
Aroclor 1268	4.57	J	ug/kg	39.0	2.76	1	B
PCBs, Total	50.9	J	ug/kg	39.0	2.76	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		30-150	A
Decachlorobiphenyl	66		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	80		30-150	B

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815370
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815370-07
Client ID: SB-4 (0-2)
Sample Location: EAST HARLEM, NY

Date Collected: 04/30/18 15:00
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 05/04/18 14:55
Analyst: WR
Percent Solids: 82%

Extraction Method: EPA 3546
Extraction Date: 05/02/18 03:01
Cleanup Method: EPA 3665A
Cleanup Date: 05/02/18
Cleanup Method: EPA 3660B
Cleanup Date: 05/02/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	39.0	4.42	1	A
Aroclor 1221	ND		ug/kg	39.0	5.93	1	A
Aroclor 1232	ND		ug/kg	39.0	3.84	1	A
Aroclor 1242	ND		ug/kg	39.0	4.77	1	A
Aroclor 1248	ND		ug/kg	39.0	4.37	1	A
Aroclor 1254	114		ug/kg	39.0	3.18	1	B
Aroclor 1260	70.9		ug/kg	39.0	4.07	1	A
Aroclor 1262	ND		ug/kg	39.0	3.20	1	A
Aroclor 1268	19.0	J	ug/kg	39.0	2.76	1	B
PCBs, Total	204	J	ug/kg	39.0	2.76	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		30-150	A
Decachlorobiphenyl	79		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		30-150	B
Decachlorobiphenyl	91		30-150	B

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815370
Report Date: 05/07/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 05/02/18 13:07
Analyst: WR

Extraction Method: EPA 3546
Extraction Date: 05/02/18 03:01
Cleanup Method: EPA 3665A
Cleanup Date: 05/02/18
Cleanup Method: EPA 3660B
Cleanup Date: 05/02/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-07 Batch: WG1111650-1						
Aroclor 1016	ND		ug/kg	32.1	3.64	A
Aroclor 1221	ND		ug/kg	32.1	4.89	A
Aroclor 1232	ND		ug/kg	32.1	3.16	A
Aroclor 1242	ND		ug/kg	32.1	3.93	A
Aroclor 1248	ND		ug/kg	32.1	3.60	A
Aroclor 1254	ND		ug/kg	32.1	2.62	A
Aroclor 1260	ND		ug/kg	32.1	3.35	A
Aroclor 1262	ND		ug/kg	32.1	2.64	A
Aroclor 1268	ND		ug/kg	32.1	2.28	A
PCBs, Total	ND		ug/kg	32.1	2.28	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	59		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		30-150	B
Decachlorobiphenyl	67		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: SENDERO VERDE

Project Number: 2984.0001Y000

Lab Number: L1815370

Report Date: 05/07/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-07 Batch: WG1111650-2 WG1111650-3									
Aroclor 1016	74		80		40-140	8		50	A
Aroclor 1260	67		70		40-140	4		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		81		30-150	A
Decachlorobiphenyl	62		64		30-150	A
2,4,5,6-Tetrachloro-m-xylene	82		84		30-150	B
Decachlorobiphenyl	69		71		30-150	B

PESTICIDES

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815370
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815370-01
Client ID: SB-3 (0-2)
Sample Location: EAST HARLEM, NY

Date Collected: 04/30/18 09:30
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 05/02/18 17:05
Analyst: JW
Percent Solids: 84%

Extraction Method: EPA 3546
Extraction Date: 05/02/18 03:30
Cleanup Method: EPA 3620B
Cleanup Date: 05/02/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.88	0.368	1	A
Lindane	ND		ug/kg	0.782	0.350	1	A
Alpha-BHC	ND		ug/kg	0.782	0.222	1	A
Beta-BHC	ND		ug/kg	1.88	0.712	1	A
Heptachlor	ND		ug/kg	0.939	0.421	1	A
Aldrin	ND		ug/kg	1.88	0.661	1	A
Heptachlor epoxide	3.94	P	ug/kg	3.52	1.06	1	A
Endrin	ND		ug/kg	0.782	0.321	1	A
Endrin aldehyde	ND		ug/kg	2.35	0.822	1	A
Endrin ketone	ND		ug/kg	1.88	0.484	1	A
Dieldrin	20.2		ug/kg	1.17	0.587	1	B
4,4'-DDE	66.4		ug/kg	1.88	0.434	1	B
4,4'-DDD	ND		ug/kg	1.88	0.670	1	A
4,4'-DDT	128		ug/kg	3.52	1.51	1	A
Endosulfan I	ND		ug/kg	1.88	0.444	1	A
Endosulfan II	7.36		ug/kg	1.88	0.628	1	B
Endosulfan sulfate	ND		ug/kg	0.782	0.372	1	A
Methoxychlor	ND		ug/kg	3.52	1.10	1	A
Toxaphene	ND		ug/kg	35.2	9.86	1	A
cis-Chlordane	21.5	P	ug/kg	2.35	0.654	1	A
trans-Chlordane	4.26	PI	ug/kg	2.35	0.620	1	A
Chlordane	ND		ug/kg	15.2	6.22	1	A

Project Name: SENDERO VERDE
Lab Number: L1815370
Project Number: 2984.0001Y000
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815370-01
Client ID: SB-3 (0-2)
Sample Location: EAST HARLEM, NY
Date Collected: 04/30/18 09:30
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	130		30-150	B
Decachlorobiphenyl	146		30-150	B
2,4,5,6-Tetrachloro-m-xylene	103		30-150	A
Decachlorobiphenyl	137		30-150	A

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815370
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815370-02
Client ID: SB-5 (0-2)
Sample Location: EAST HARLEM, NY

Date Collected: 04/30/18 10:30
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 05/02/18 17:18
Analyst: JW
Percent Solids: 77%

Extraction Method: EPA 3546
Extraction Date: 05/02/18 03:30
Cleanup Method: EPA 3620B
Cleanup Date: 05/02/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	2.03	0.397	1	A
Lindane	ND		ug/kg	0.846	0.378	1	A
Alpha-BHC	ND		ug/kg	0.846	0.240	1	A
Beta-BHC	ND		ug/kg	2.03	0.769	1	A
Heptachlor	ND		ug/kg	1.01	0.455	1	A
Aldrin	ND		ug/kg	2.03	0.714	1	A
Heptachlor epoxide	4.81	P	ug/kg	3.80	1.14	1	A
Endrin	ND		ug/kg	0.846	0.347	1	A
Endrin aldehyde	ND		ug/kg	2.54	0.888	1	A
Endrin ketone	ND		ug/kg	2.03	0.522	1	A
Dieldrin	23.3		ug/kg	1.27	0.634	1	A
4,4'-DDE	62.9	P	ug/kg	2.03	0.469	1	A
4,4'-DDD	13.2	P	ug/kg	2.03	0.724	1	B
4,4'-DDT	106		ug/kg	3.80	1.63	1	B
Endosulfan I	ND		ug/kg	2.03	0.479	1	A
Endosulfan II	ND		ug/kg	2.03	0.678	1	A
Endosulfan sulfate	ND		ug/kg	0.846	0.402	1	A
Methoxychlor	ND		ug/kg	3.80	1.18	1	A
Toxaphene	ND		ug/kg	38.0	10.6	1	A
cis-Chlordane	28.7	P	ug/kg	2.54	0.707	1	A
trans-Chlordane	14.3		ug/kg	2.54	0.670	1	B
Chlordane	ND		ug/kg	16.5	6.72	1	A

Project Name: SENDERO VERDE
Lab Number: L1815370
Project Number: 2984.0001Y000
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815370-02
Client ID: SB-5 (0-2)
Sample Location: EAST HARLEM, NY
Date Collected: 04/30/18 10:30
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	97		30-150	B
Decachlorobiphenyl	120		30-150	B
2,4,5,6-Tetrachloro-m-xylene	78		30-150	A
Decachlorobiphenyl	129		30-150	A

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815370
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815370-03
Client ID: SB-6 (0-2)
Sample Location: EAST HARLEM, NY

Date Collected: 04/30/18 11:30
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 05/02/18 17:30
Analyst: JW
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 05/02/18 03:30
Cleanup Method: EPA 3620B
Cleanup Date: 05/02/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.77	0.348	1	A
Lindane	ND		ug/kg	0.739	0.330	1	A
Alpha-BHC	ND		ug/kg	0.739	0.210	1	A
Beta-BHC	ND		ug/kg	1.77	0.673	1	A
Heptachlor	0.505	J	ug/kg	0.887	0.398	1	B
Aldrin	ND		ug/kg	1.77	0.625	1	A
Heptachlor epoxide	1.50	JPI	ug/kg	3.33	0.998	1	B
Endrin	ND		ug/kg	0.739	0.303	1	A
Endrin aldehyde	ND		ug/kg	2.22	0.776	1	A
Endrin ketone	ND		ug/kg	1.77	0.457	1	A
Dieldrin	33.0		ug/kg	1.11	0.554	1	B
4,4'-DDE	45.5		ug/kg	1.77	0.410	1	B
4,4'-DDD	16.2	P	ug/kg	1.77	0.633	1	B
4,4'-DDT	248	E	ug/kg	3.33	1.43	1	A
Endosulfan I	ND		ug/kg	1.77	0.419	1	A
Endosulfan II	ND		ug/kg	1.77	0.593	1	A
Endosulfan sulfate	ND		ug/kg	0.739	0.352	1	A
Methoxychlor	ND		ug/kg	3.33	1.04	1	A
Toxaphene	ND		ug/kg	33.3	9.32	1	A
cis-Chlordane	44.4		ug/kg	2.22	0.618	1	A
trans-Chlordane	31.7		ug/kg	2.22	0.586	1	B
Chlordane	226		ug/kg	14.4	5.88	1	B

Project Name: SENDERO VERDE
Lab Number: L1815370
Project Number: 2984.0001Y000
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815370-03
Client ID: SB-6 (0-2)
Sample Location: EAST HARLEM, NY
Date Collected: 04/30/18 11:30
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	106		30-150	B
Decachlorobiphenyl	142		30-150	B
2,4,5,6-Tetrachloro-m-xylene	83		30-150	A
Decachlorobiphenyl	116		30-150	A

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815370
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815370-03 D
Client ID: SB-6 (0-2)
Sample Location: EAST HARLEM, NY

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 05/07/18 15:49
Analyst: JW
Percent Solids: 88%

Date Collected: 04/30/18 11:30
Date Received: 05/01/18
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 05/02/18 03:30
Cleanup Method: EPA 3620B
Cleanup Date: 05/02/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
4,4'-DDT	152		ug/kg	16.6	7.14	5	A

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815370
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815370-04
Client ID: SB-8 (0-2)
Sample Location: EAST HARLEM, NY

Date Collected: 04/30/18 12:00
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 05/02/18 17:43
Analyst: JW
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 05/02/18 03:30
Cleanup Method: EPA 3620B
Cleanup Date: 05/02/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.67	0.327	1	A
Lindane	ND		ug/kg	0.697	0.311	1	A
Alpha-BHC	ND		ug/kg	0.697	0.198	1	A
Beta-BHC	ND		ug/kg	1.67	0.634	1	A
Heptachlor	ND		ug/kg	0.836	0.375	1	B
Aldrin	ND		ug/kg	1.67	0.589	1	A
Heptachlor epoxide	1.58	J	ug/kg	3.14	0.940	1	A
Endrin	ND		ug/kg	0.697	0.286	1	A
Endrin aldehyde	ND		ug/kg	2.09	0.732	1	A
Endrin ketone	ND		ug/kg	1.67	0.430	1	A
Dieldrin	6.16		ug/kg	1.04	0.522	1	B
4,4'-DDE	12.0		ug/kg	1.67	0.387	1	B
4,4'-DDD	ND		ug/kg	1.67	0.596	1	A
4,4'-DDT	47.2		ug/kg	3.14	1.34	1	A
Endosulfan I	ND		ug/kg	1.67	0.395	1	A
Endosulfan II	ND		ug/kg	1.67	0.559	1	A
Endosulfan sulfate	ND		ug/kg	0.697	0.332	1	A
Methoxychlor	ND		ug/kg	3.14	0.975	1	A
Toxaphene	ND		ug/kg	31.4	8.78	1	A
cis-Chlordane	10.7	P	ug/kg	2.09	0.582	1	A
trans-Chlordane	6.06	P	ug/kg	2.09	0.552	1	B
Chlordane	ND		ug/kg	13.6	5.54	1	A

Project Name: SENDERO VERDE
Lab Number: L1815370
Project Number: 2984.0001Y000
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815370-04
Client ID: SB-8 (0-2)
Sample Location: EAST HARLEM, NY
Date Collected: 04/30/18 12:00
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		30-150	B
Decachlorobiphenyl	58		30-150	B
2,4,5,6-Tetrachloro-m-xylene	49		30-150	A
Decachlorobiphenyl	58		30-150	A

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815370
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815370-05
Client ID: SB-12 (0-2)
Sample Location: EAST HARLEM, NY

Date Collected: 04/30/18 13:00
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 05/03/18 16:54
Analyst: JW
Percent Solids: 85%

Extraction Method: EPA 3546
Extraction Date: 05/02/18 03:30
Cleanup Method: EPA 3620B
Cleanup Date: 05/03/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.85	0.363	1	A
Lindane	ND		ug/kg	0.772	0.345	1	A
Alpha-BHC	ND		ug/kg	0.772	0.219	1	A
Beta-BHC	ND		ug/kg	1.85	0.702	1	A
Heptachlor	ND		ug/kg	0.926	0.415	1	A
Aldrin	ND		ug/kg	1.85	0.652	1	A
Heptachlor epoxide	ND		ug/kg	3.47	1.04	1	A
Endrin	ND		ug/kg	0.772	0.316	1	A
Endrin aldehyde	ND		ug/kg	2.32	0.811	1	A
Endrin ketone	ND		ug/kg	1.85	0.477	1	A
Dieldrin	19.5		ug/kg	1.16	0.579	1	A
4,4'-DDE	93.8		ug/kg	1.85	0.428	1	A
4,4'-DDD	35.1	P	ug/kg	1.85	0.661	1	B
4,4'-DDT	170	E	ug/kg	3.47	1.49	1	A
Endosulfan I	ND		ug/kg	1.85	0.438	1	A
Endosulfan II	ND		ug/kg	1.85	0.619	1	A
Endosulfan sulfate	ND		ug/kg	0.772	0.368	1	A
Methoxychlor	ND		ug/kg	3.47	1.08	1	A
Toxaphene	ND		ug/kg	34.7	9.73	1	A
cis-Chlordane	12.6	PI	ug/kg	2.32	0.645	1	B
trans-Chlordane	7.77	PI	ug/kg	2.32	0.611	1	A
Chlordane	ND		ug/kg	15.0	6.14	1	A

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815370
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815370-05
Client ID: SB-12 (0-2)
Sample Location: EAST HARLEM, NY
Date Collected: 04/30/18 13:00
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	98		30-150	B
Decachlorobiphenyl	122		30-150	B
2,4,5,6-Tetrachloro-m-xylene	94		30-150	A
Decachlorobiphenyl	106		30-150	A

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815370
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815370-05 D
Client ID: SB-12 (0-2)
Sample Location: EAST HARLEM, NY

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 05/07/18 15:34
Analyst: JW
Percent Solids: 85%

Date Collected: 04/30/18 13:00
Date Received: 05/01/18
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 05/02/18 03:30
Cleanup Method: EPA 3620B
Cleanup Date: 05/03/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
4,4'-DDT	124		ug/kg	17.4	7.45	5	A

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815370
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815370-06
Client ID: SB-7 (0-2)
Sample Location: EAST HARLEM, NY

Date Collected: 04/30/18 14:00
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 05/03/18 17:07
Analyst: JW
Percent Solids: 83%

Extraction Method: EPA 3546
Extraction Date: 05/02/18 03:30
Cleanup Method: EPA 3620B
Cleanup Date: 05/03/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.88	0.367	1	A
Lindane	ND		ug/kg	0.782	0.349	1	A
Alpha-BHC	ND		ug/kg	0.782	0.222	1	A
Beta-BHC	ND		ug/kg	1.88	0.711	1	A
Heptachlor	ND		ug/kg	0.938	0.421	1	A
Aldrin	ND		ug/kg	1.88	0.661	1	A
Heptachlor epoxide	8.20		ug/kg	3.52	1.06	1	A
Endrin	ND		ug/kg	0.782	0.320	1	A
Endrin aldehyde	ND		ug/kg	2.34	0.821	1	A
Endrin ketone	ND		ug/kg	1.88	0.483	1	A
Dieldrin	14.6		ug/kg	1.17	0.586	1	A
4,4'-DDE	30.5		ug/kg	1.88	0.434	1	B
4,4'-DDD	7.07		ug/kg	1.88	0.669	1	A
4,4'-DDT	42.9		ug/kg	3.52	1.51	1	B
Endosulfan I	ND		ug/kg	1.88	0.443	1	A
Endosulfan II	ND		ug/kg	1.88	0.627	1	A
Endosulfan sulfate	ND		ug/kg	0.782	0.372	1	A
Methoxychlor	ND		ug/kg	3.52	1.09	1	A
Toxaphene	ND		ug/kg	35.2	9.85	1	A
cis-Chlordane	23.9	PI	ug/kg	2.34	0.654	1	B
trans-Chlordane	13.0	PI	ug/kg	2.34	0.619	1	A
Chlordane	ND		ug/kg	15.2	6.22	1	A

Project Name: SENDERO VERDE
Lab Number: L1815370
Project Number: 2984.0001Y000
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815370-06
Client ID: SB-7 (0-2)
Sample Location: EAST HARLEM, NY
Date Collected: 04/30/18 14:00
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	109		30-150	B
Decachlorobiphenyl	144		30-150	B
2,4,5,6-Tetrachloro-m-xylene	104		30-150	A
Decachlorobiphenyl	109		30-150	A

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815370
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815370-07
Client ID: SB-4 (0-2)
Sample Location: EAST HARLEM, NY

Date Collected: 04/30/18 15:00
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 05/03/18 17:20
Analyst: JW
Percent Solids: 82%

Extraction Method: EPA 3546
Extraction Date: 05/02/18 03:30
Cleanup Method: EPA 3620B
Cleanup Date: 05/03/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.86	0.364	1	A
Lindane	ND		ug/kg	0.774	0.346	1	A
Alpha-BHC	ND		ug/kg	0.774	0.220	1	A
Beta-BHC	ND		ug/kg	1.86	0.704	1	A
Heptachlor	0.870	J	ug/kg	0.928	0.416	1	A
Aldrin	ND		ug/kg	1.86	0.654	1	A
Heptachlor epoxide	5.58		ug/kg	3.48	1.04	1	A
Endrin	ND		ug/kg	0.774	0.317	1	A
Endrin aldehyde	ND		ug/kg	2.32	0.812	1	A
Endrin ketone	ND		ug/kg	1.86	0.478	1	A
Dieldrin	15.4		ug/kg	1.16	0.580	1	B
4,4'-DDE	27.5		ug/kg	1.86	0.429	1	B
4,4'-DDD	9.64		ug/kg	1.86	0.662	1	A
4,4'-DDT	103		ug/kg	3.48	1.49	1	A
Endosulfan I	ND		ug/kg	1.86	0.439	1	A
Endosulfan II	ND		ug/kg	1.86	0.620	1	A
Endosulfan sulfate	ND		ug/kg	0.774	0.368	1	A
Methoxychlor	ND		ug/kg	3.48	1.08	1	A
Toxaphene	ND		ug/kg	34.8	9.75	1	A
cis-Chlordane	40.6	P	ug/kg	2.32	0.647	1	A
trans-Chlordane	14.5		ug/kg	2.32	0.613	1	B
Chlordane	ND		ug/kg	15.1	6.15	1	A

Project Name: SENDERO VERDE
Lab Number: L1815370
Project Number: 2984.0001Y000
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815370-07
Client ID: SB-4 (0-2)
Sample Location: EAST HARLEM, NY
Date Collected: 04/30/18 15:00
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	102		30-150	B
Decachlorobiphenyl	116		30-150	B
2,4,5,6-Tetrachloro-m-xylene	102		30-150	A
Decachlorobiphenyl	138		30-150	A

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815370
Report Date: 05/07/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 05/02/18 16:27
Analyst: JW

Extraction Method: EPA 3546
Extraction Date: 05/02/18 03:30
Cleanup Method: EPA 3620B
Cleanup Date: 05/02/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-07 Batch: WG1111653-1						
Delta-BHC	ND		ug/kg	1.58	0.309	A
Lindane	ND		ug/kg	0.658	0.294	A
Alpha-BHC	ND		ug/kg	0.658	0.187	A
Beta-BHC	ND		ug/kg	1.58	0.599	A
Heptachlor	ND		ug/kg	0.790	0.354	A
Aldrin	ND		ug/kg	1.58	0.556	A
Heptachlor epoxide	ND		ug/kg	2.96	0.889	A
Endrin	ND		ug/kg	0.658	0.270	A
Endrin aldehyde	ND		ug/kg	1.97	0.691	A
Endrin ketone	ND		ug/kg	1.58	0.407	A
Dieldrin	ND		ug/kg	0.987	0.494	A
4,4'-DDE	ND		ug/kg	1.58	0.365	A
4,4'-DDD	ND		ug/kg	1.58	0.564	A
4,4'-DDT	ND		ug/kg	2.96	1.27	A
Endosulfan I	ND		ug/kg	1.58	0.373	A
Endosulfan II	ND		ug/kg	1.58	0.528	A
Endosulfan sulfate	ND		ug/kg	0.658	0.313	A
Methoxychlor	ND		ug/kg	2.96	0.922	A
Toxaphene	ND		ug/kg	29.6	8.29	A
cis-Chlordane	ND		ug/kg	1.97	0.550	A
trans-Chlordane	ND		ug/kg	1.97	0.521	A
Chlordane	ND		ug/kg	12.8	5.23	A

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815370
Report Date: 05/07/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 05/02/18 16:27
Analyst: JW

Extraction Method: EPA 3546
Extraction Date: 05/02/18 03:30
Cleanup Method: EPA 3620B
Cleanup Date: 05/02/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-07 Batch: WG1111653-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	101		30-150	B
Decachlorobiphenyl	113		30-150	B
2,4,5,6-Tetrachloro-m-xylene	80		30-150	A
Decachlorobiphenyl	116		30-150	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: SENDERO VERDE

Project Number: 2984.0001Y000

Lab Number: L1815370

Report Date: 05/07/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-07 Batch: WG1111653-2 WG1111653-3									
Delta-BHC	107		117		30-150	9		30	A
Lindane	95		102		30-150	7		30	A
Alpha-BHC	100		107		30-150	7		30	A
Beta-BHC	125		126		30-150	1		30	A
Heptachlor	91		97		30-150	6		30	A
Aldrin	94		101		30-150	7		30	A
Heptachlor epoxide	92		105		30-150	13		30	A
Endrin	104		117		30-150	12		30	A
Endrin aldehyde	82		91		30-150	10		30	A
Endrin ketone	90		101		30-150	12		30	A
Dieldrin	101		112		30-150	10		30	A
4,4'-DDE	92		100		30-150	8		30	A
4,4'-DDD	92		97		30-150	5		30	A
4,4'-DDT	94		104		30-150	10		30	A
Endosulfan I	88		97		30-150	10		30	A
Endosulfan II	90		97		30-150	7		30	A
Endosulfan sulfate	88		88		30-150	0		30	A
Methoxychlor	101		109		30-150	8		30	A
cis-Chlordane	81		83		30-150	2		30	A
trans-Chlordane	67		75		30-150	11		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: SENDERO VERDE

Project Number: 2984.0001Y000

Lab Number: L1815370

Report Date: 05/07/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-07 Batch: WG1111653-2 WG1111653-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	101		106		30-150	B
Decachlorobiphenyl	102		116		30-150	B
2,4,5,6-Tetrachloro-m-xylene	77		84		30-150	A
Decachlorobiphenyl	110		116		30-150	A

METALS

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815370
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815370-01
Client ID: SB-3 (0-2)
Sample Location: EAST HARLEM, NY
Sample Depth:
Matrix: Soil
Percent Solids: 84%

Date Collected: 04/30/18 09:30
Date Received: 05/01/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5620		mg/kg	8.94	2.41	2	05/02/18 21:37	05/03/18 13:43	EPA 3050B	1,6010C	PE
Antimony, Total	ND		mg/kg	4.47	0.340	2	05/02/18 21:37	05/03/18 13:43	EPA 3050B	1,6010C	PE
Arsenic, Total	6.35		mg/kg	0.894	0.186	2	05/02/18 21:37	05/03/18 13:43	EPA 3050B	1,6010C	PE
Barium, Total	60.3		mg/kg	0.894	0.156	2	05/02/18 21:37	05/03/18 13:43	EPA 3050B	1,6010C	PE
Beryllium, Total	0.206	J	mg/kg	0.447	0.030	2	05/02/18 21:37	05/03/18 13:43	EPA 3050B	1,6010C	PE
Cadmium, Total	0.286	J	mg/kg	0.894	0.088	2	05/02/18 21:37	05/03/18 13:43	EPA 3050B	1,6010C	PE
Calcium, Total	2130		mg/kg	8.94	3.13	2	05/02/18 21:37	05/03/18 13:43	EPA 3050B	1,6010C	PE
Chromium, Total	7.13		mg/kg	0.894	0.086	2	05/02/18 21:37	05/03/18 13:43	EPA 3050B	1,6010C	PE
Cobalt, Total	2.68		mg/kg	1.79	0.148	2	05/02/18 21:37	05/03/18 13:43	EPA 3050B	1,6010C	PE
Copper, Total	11.3		mg/kg	0.894	0.231	2	05/02/18 21:37	05/03/18 13:43	EPA 3050B	1,6010C	PE
Iron, Total	10900		mg/kg	4.47	0.807	2	05/02/18 21:37	05/03/18 13:43	EPA 3050B	1,6010C	PE
Lead, Total	36.5		mg/kg	4.47	0.240	2	05/02/18 21:37	05/03/18 13:43	EPA 3050B	1,6010C	PE
Magnesium, Total	987		mg/kg	8.94	1.38	2	05/02/18 21:37	05/03/18 13:43	EPA 3050B	1,6010C	PE
Manganese, Total	133		mg/kg	0.894	0.142	2	05/02/18 21:37	05/03/18 13:43	EPA 3050B	1,6010C	PE
Mercury, Total	0.078		mg/kg	0.078	0.016	1	05/02/18 07:30	05/02/18 11:25	EPA 7471B	1,7471B	MG
Nickel, Total	6.25		mg/kg	2.23	0.216	2	05/02/18 21:37	05/03/18 13:43	EPA 3050B	1,6010C	PE
Potassium, Total	303		mg/kg	223	12.9	2	05/02/18 21:37	05/03/18 13:43	EPA 3050B	1,6010C	PE
Selenium, Total	0.724	J	mg/kg	1.79	0.231	2	05/02/18 21:37	05/03/18 13:43	EPA 3050B	1,6010C	PE
Silver, Total	ND		mg/kg	0.894	0.253	2	05/02/18 21:37	05/03/18 13:43	EPA 3050B	1,6010C	PE
Sodium, Total	35.6	J	mg/kg	179	2.82	2	05/02/18 21:37	05/03/18 13:43	EPA 3050B	1,6010C	PE
Thallium, Total	ND		mg/kg	1.79	0.282	2	05/02/18 21:37	05/03/18 13:43	EPA 3050B	1,6010C	PE
Vanadium, Total	12.7		mg/kg	0.894	0.181	2	05/02/18 21:37	05/03/18 13:43	EPA 3050B	1,6010C	PE
Zinc, Total	53.2		mg/kg	4.47	0.262	2	05/02/18 21:37	05/03/18 13:43	EPA 3050B	1,6010C	PE

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815370
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815370-02
Client ID: SB-5 (0-2)
Sample Location: EAST HARLEM, NY
Date Collected: 04/30/18 10:30
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 77%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	8260		mg/kg	10.0	2.70	2	05/02/18 21:37	05/03/18 14:05	EPA 3050B	1,6010C	AB
Antimony, Total	0.630	J	mg/kg	5.00	0.380	2	05/02/18 21:37	05/03/18 14:05	EPA 3050B	1,6010C	AB
Arsenic, Total	4.93		mg/kg	1.00	0.208	2	05/02/18 21:37	05/03/18 14:05	EPA 3050B	1,6010C	AB
Barium, Total	233		mg/kg	1.00	0.174	2	05/02/18 21:37	05/03/18 14:05	EPA 3050B	1,6010C	AB
Beryllium, Total	0.290	J	mg/kg	0.500	0.033	2	05/02/18 21:37	05/03/18 14:05	EPA 3050B	1,6010C	AB
Cadmium, Total	0.560	J	mg/kg	1.00	0.098	2	05/02/18 21:37	05/03/18 14:05	EPA 3050B	1,6010C	AB
Calcium, Total	13500		mg/kg	10.0	3.50	2	05/02/18 21:37	05/03/18 14:05	EPA 3050B	1,6010C	AB
Chromium, Total	11.2		mg/kg	1.00	0.096	2	05/02/18 21:37	05/03/18 14:05	EPA 3050B	1,6010C	AB
Cobalt, Total	4.05		mg/kg	2.00	0.166	2	05/02/18 21:37	05/03/18 14:05	EPA 3050B	1,6010C	AB
Copper, Total	22.3		mg/kg	1.00	0.258	2	05/02/18 21:37	05/03/18 14:05	EPA 3050B	1,6010C	AB
Iron, Total	10600		mg/kg	5.00	0.904	2	05/02/18 21:37	05/03/18 14:05	EPA 3050B	1,6010C	AB
Lead, Total	319		mg/kg	5.00	0.268	2	05/02/18 21:37	05/03/18 14:05	EPA 3050B	1,6010C	AB
Magnesium, Total	2140		mg/kg	10.0	1.54	2	05/02/18 21:37	05/03/18 14:05	EPA 3050B	1,6010C	AB
Manganese, Total	157		mg/kg	1.00	0.159	2	05/02/18 21:37	05/03/18 14:05	EPA 3050B	1,6010C	AB
Mercury, Total	0.288		mg/kg	0.082	0.017	1	05/02/18 07:30	05/02/18 11:27	EPA 7471B	1,7471B	MG
Nickel, Total	8.14		mg/kg	2.50	0.242	2	05/02/18 21:37	05/03/18 14:05	EPA 3050B	1,6010C	AB
Potassium, Total	622		mg/kg	250	14.4	2	05/02/18 21:37	05/03/18 14:05	EPA 3050B	1,6010C	AB
Selenium, Total	0.390	J	mg/kg	2.00	0.258	2	05/02/18 21:37	05/03/18 14:05	EPA 3050B	1,6010C	AB
Silver, Total	ND		mg/kg	1.00	0.283	2	05/02/18 21:37	05/03/18 14:05	EPA 3050B	1,6010C	AB
Sodium, Total	383		mg/kg	200	3.15	2	05/02/18 21:37	05/03/18 14:05	EPA 3050B	1,6010C	AB
Thallium, Total	ND		mg/kg	2.00	0.315	2	05/02/18 21:37	05/03/18 14:05	EPA 3050B	1,6010C	AB
Vanadium, Total	21.6		mg/kg	1.00	0.203	2	05/02/18 21:37	05/03/18 14:05	EPA 3050B	1,6010C	AB
Zinc, Total	265		mg/kg	5.00	0.293	2	05/02/18 21:37	05/03/18 14:05	EPA 3050B	1,6010C	AB

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815370
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815370-03
Client ID: SB-6 (0-2)
Sample Location: EAST HARLEM, NY
Date Collected: 04/30/18 11:30
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	4360		mg/kg	8.74	2.36	2	05/02/18 21:37	05/03/18 14:10	EPA 3050B	1,6010C	AB
Antimony, Total	1.97	J	mg/kg	4.37	0.332	2	05/02/18 21:37	05/03/18 14:10	EPA 3050B	1,6010C	AB
Arsenic, Total	4.89		mg/kg	0.874	0.182	2	05/02/18 21:37	05/03/18 14:10	EPA 3050B	1,6010C	AB
Barium, Total	564		mg/kg	0.874	0.152	2	05/02/18 21:37	05/03/18 14:10	EPA 3050B	1,6010C	AB
Beryllium, Total	0.175	J	mg/kg	0.437	0.029	2	05/02/18 21:37	05/03/18 14:10	EPA 3050B	1,6010C	AB
Cadmium, Total	0.760	J	mg/kg	0.874	0.086	2	05/02/18 21:37	05/03/18 14:10	EPA 3050B	1,6010C	AB
Calcium, Total	32000		mg/kg	8.74	3.06	2	05/02/18 21:37	05/03/18 14:10	EPA 3050B	1,6010C	AB
Chromium, Total	12.1		mg/kg	0.874	0.084	2	05/02/18 21:37	05/03/18 14:10	EPA 3050B	1,6010C	AB
Cobalt, Total	3.76		mg/kg	1.75	0.145	2	05/02/18 21:37	05/03/18 14:10	EPA 3050B	1,6010C	AB
Copper, Total	20.1		mg/kg	0.874	0.225	2	05/02/18 21:37	05/03/18 14:10	EPA 3050B	1,6010C	AB
Iron, Total	10600		mg/kg	4.37	0.789	2	05/02/18 21:37	05/03/18 14:10	EPA 3050B	1,6010C	AB
Lead, Total	460		mg/kg	4.37	0.234	2	05/02/18 21:37	05/03/18 14:10	EPA 3050B	1,6010C	AB
Magnesium, Total	3410		mg/kg	8.74	1.34	2	05/02/18 21:37	05/03/18 14:10	EPA 3050B	1,6010C	AB
Manganese, Total	236		mg/kg	0.874	0.139	2	05/02/18 21:37	05/03/18 14:10	EPA 3050B	1,6010C	AB
Mercury, Total	0.335		mg/kg	0.071	0.015	1	05/02/18 07:30	05/02/18 11:29	EPA 7471B	1,7471B	MG
Nickel, Total	7.68		mg/kg	2.18	0.211	2	05/02/18 21:37	05/03/18 14:10	EPA 3050B	1,6010C	AB
Potassium, Total	562		mg/kg	218	12.6	2	05/02/18 21:37	05/03/18 14:10	EPA 3050B	1,6010C	AB
Selenium, Total	0.568	J	mg/kg	1.75	0.225	2	05/02/18 21:37	05/03/18 14:10	EPA 3050B	1,6010C	AB
Silver, Total	ND		mg/kg	0.874	0.247	2	05/02/18 21:37	05/03/18 14:10	EPA 3050B	1,6010C	AB
Sodium, Total	275		mg/kg	175	2.75	2	05/02/18 21:37	05/03/18 14:10	EPA 3050B	1,6010C	AB
Thallium, Total	ND		mg/kg	1.75	0.275	2	05/02/18 21:37	05/03/18 14:10	EPA 3050B	1,6010C	AB
Vanadium, Total	16.6		mg/kg	0.874	0.177	2	05/02/18 21:37	05/03/18 14:10	EPA 3050B	1,6010C	AB
Zinc, Total	474		mg/kg	4.37	0.256	2	05/02/18 21:37	05/03/18 14:10	EPA 3050B	1,6010C	AB

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815370
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815370-04
Client ID: SB-8 (0-2)
Sample Location: EAST HARLEM, NY
Sample Depth:
Matrix: Soil
Percent Solids: 91%

Date Collected: 04/30/18 12:00
Date Received: 05/01/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	4840		mg/kg	8.61	2.32	2	05/02/18 21:37	05/03/18 14:28	EPA 3050B	1,6010C	AB
Antimony, Total	ND		mg/kg	4.31	0.327	2	05/02/18 21:37	05/03/18 14:28	EPA 3050B	1,6010C	AB
Arsenic, Total	3.38		mg/kg	0.861	0.179	2	05/02/18 21:37	05/03/18 14:28	EPA 3050B	1,6010C	AB
Barium, Total	77.7		mg/kg	0.861	0.150	2	05/02/18 21:37	05/03/18 14:28	EPA 3050B	1,6010C	AB
Beryllium, Total	0.172	J	mg/kg	0.431	0.028	2	05/02/18 21:37	05/03/18 14:28	EPA 3050B	1,6010C	AB
Cadmium, Total	0.181	J	mg/kg	0.861	0.084	2	05/02/18 21:37	05/03/18 14:28	EPA 3050B	1,6010C	AB
Calcium, Total	11600		mg/kg	8.61	3.02	2	05/02/18 21:37	05/03/18 14:28	EPA 3050B	1,6010C	AB
Chromium, Total	5.06		mg/kg	0.861	0.083	2	05/02/18 21:37	05/03/18 14:28	EPA 3050B	1,6010C	AB
Cobalt, Total	1.90		mg/kg	1.72	0.143	2	05/02/18 21:37	05/03/18 14:28	EPA 3050B	1,6010C	AB
Copper, Total	7.62		mg/kg	0.861	0.222	2	05/02/18 21:37	05/03/18 14:28	EPA 3050B	1,6010C	AB
Iron, Total	5590		mg/kg	4.31	0.778	2	05/02/18 21:37	05/03/18 14:28	EPA 3050B	1,6010C	AB
Lead, Total	29.1		mg/kg	4.31	0.231	2	05/02/18 21:37	05/03/18 14:28	EPA 3050B	1,6010C	AB
Magnesium, Total	1940		mg/kg	8.61	1.33	2	05/02/18 21:37	05/03/18 14:28	EPA 3050B	1,6010C	AB
Manganese, Total	122		mg/kg	0.861	0.137	2	05/02/18 21:37	05/03/18 14:28	EPA 3050B	1,6010C	AB
Mercury, Total	0.098		mg/kg	0.069	0.015	1	05/02/18 07:30	05/02/18 11:31	EPA 7471B	1,7471B	MG
Nickel, Total	3.71		mg/kg	2.15	0.208	2	05/02/18 21:37	05/03/18 14:28	EPA 3050B	1,6010C	AB
Potassium, Total	488		mg/kg	215	12.4	2	05/02/18 21:37	05/03/18 14:28	EPA 3050B	1,6010C	AB
Selenium, Total	ND		mg/kg	1.72	0.222	2	05/02/18 21:37	05/03/18 14:28	EPA 3050B	1,6010C	AB
Silver, Total	ND		mg/kg	0.861	0.244	2	05/02/18 21:37	05/03/18 14:28	EPA 3050B	1,6010C	AB
Sodium, Total	97.4	J	mg/kg	172	2.71	2	05/02/18 21:37	05/03/18 14:28	EPA 3050B	1,6010C	AB
Thallium, Total	ND		mg/kg	1.72	0.271	2	05/02/18 21:37	05/03/18 14:28	EPA 3050B	1,6010C	AB
Vanadium, Total	9.65		mg/kg	0.861	0.175	2	05/02/18 21:37	05/03/18 14:28	EPA 3050B	1,6010C	AB
Zinc, Total	70.4		mg/kg	4.31	0.252	2	05/02/18 21:37	05/03/18 14:28	EPA 3050B	1,6010C	AB

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815370
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815370-05
Client ID: SB-12 (0-2)
Sample Location: EAST HARLEM, NY
Date Collected: 04/30/18 13:00
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	6970		mg/kg	9.12	2.46	2	05/02/18 21:37	05/03/18 14:33	EPA 3050B	1,6010C	AB
Antimony, Total	0.465	J	mg/kg	4.56	0.346	2	05/02/18 21:37	05/03/18 14:33	EPA 3050B	1,6010C	AB
Arsenic, Total	8.65		mg/kg	0.912	0.190	2	05/02/18 21:37	05/03/18 14:33	EPA 3050B	1,6010C	AB
Barium, Total	183		mg/kg	0.912	0.159	2	05/02/18 21:37	05/03/18 14:33	EPA 3050B	1,6010C	AB
Beryllium, Total	0.283	J	mg/kg	0.456	0.030	2	05/02/18 21:37	05/03/18 14:33	EPA 3050B	1,6010C	AB
Cadmium, Total	0.474	J	mg/kg	0.912	0.089	2	05/02/18 21:37	05/03/18 14:33	EPA 3050B	1,6010C	AB
Calcium, Total	8330		mg/kg	9.12	3.19	2	05/02/18 21:37	05/03/18 14:33	EPA 3050B	1,6010C	AB
Chromium, Total	13.6		mg/kg	0.912	0.088	2	05/02/18 21:37	05/03/18 14:33	EPA 3050B	1,6010C	AB
Cobalt, Total	5.24		mg/kg	1.82	0.151	2	05/02/18 21:37	05/03/18 14:33	EPA 3050B	1,6010C	AB
Copper, Total	31.6		mg/kg	0.912	0.235	2	05/02/18 21:37	05/03/18 14:33	EPA 3050B	1,6010C	AB
Iron, Total	12800		mg/kg	4.56	0.823	2	05/02/18 21:37	05/03/18 14:33	EPA 3050B	1,6010C	AB
Lead, Total	159		mg/kg	4.56	0.244	2	05/02/18 21:37	05/03/18 14:33	EPA 3050B	1,6010C	AB
Magnesium, Total	2520		mg/kg	9.12	1.40	2	05/02/18 21:37	05/03/18 14:33	EPA 3050B	1,6010C	AB
Manganese, Total	193		mg/kg	0.912	0.145	2	05/02/18 21:37	05/03/18 14:33	EPA 3050B	1,6010C	AB
Mercury, Total	0.300		mg/kg	0.074	0.016	1	05/02/18 07:30	05/02/18 11:32	EPA 7471B	1,7471B	MG
Nickel, Total	10.1		mg/kg	2.28	0.221	2	05/02/18 21:37	05/03/18 14:33	EPA 3050B	1,6010C	AB
Potassium, Total	814		mg/kg	228	13.1	2	05/02/18 21:37	05/03/18 14:33	EPA 3050B	1,6010C	AB
Selenium, Total	0.510	J	mg/kg	1.82	0.235	2	05/02/18 21:37	05/03/18 14:33	EPA 3050B	1,6010C	AB
Silver, Total	ND		mg/kg	0.912	0.258	2	05/02/18 21:37	05/03/18 14:33	EPA 3050B	1,6010C	AB
Sodium, Total	141	J	mg/kg	182	2.87	2	05/02/18 21:37	05/03/18 14:33	EPA 3050B	1,6010C	AB
Thallium, Total	ND		mg/kg	1.82	0.287	2	05/02/18 21:37	05/03/18 14:33	EPA 3050B	1,6010C	AB
Vanadium, Total	36.9		mg/kg	0.912	0.185	2	05/02/18 21:37	05/03/18 14:33	EPA 3050B	1,6010C	AB
Zinc, Total	154		mg/kg	4.56	0.267	2	05/02/18 21:37	05/03/18 14:33	EPA 3050B	1,6010C	AB

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815370
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815370-06
Client ID: SB-7 (0-2)
Sample Location: EAST HARLEM, NY
Date Collected: 04/30/18 14:00
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	4930		mg/kg	9.13	2.46	2	05/02/18 21:37	05/03/18 14:37	EPA 3050B	1,6010C	AB
Antimony, Total	ND		mg/kg	4.56	0.347	2	05/02/18 21:37	05/03/18 14:37	EPA 3050B	1,6010C	AB
Arsenic, Total	4.46		mg/kg	0.913	0.190	2	05/02/18 21:37	05/03/18 14:37	EPA 3050B	1,6010C	AB
Barium, Total	51.8		mg/kg	0.913	0.159	2	05/02/18 21:37	05/03/18 14:37	EPA 3050B	1,6010C	AB
Beryllium, Total	0.237	J	mg/kg	0.456	0.030	2	05/02/18 21:37	05/03/18 14:37	EPA 3050B	1,6010C	AB
Cadmium, Total	0.283	J	mg/kg	0.913	0.089	2	05/02/18 21:37	05/03/18 14:37	EPA 3050B	1,6010C	AB
Calcium, Total	2350		mg/kg	9.13	3.19	2	05/02/18 21:37	05/03/18 14:37	EPA 3050B	1,6010C	AB
Chromium, Total	8.51		mg/kg	0.913	0.088	2	05/02/18 21:37	05/03/18 14:37	EPA 3050B	1,6010C	AB
Cobalt, Total	3.31		mg/kg	1.82	0.152	2	05/02/18 21:37	05/03/18 14:37	EPA 3050B	1,6010C	AB
Copper, Total	14.2		mg/kg	0.913	0.235	2	05/02/18 21:37	05/03/18 14:37	EPA 3050B	1,6010C	AB
Iron, Total	8370		mg/kg	4.56	0.824	2	05/02/18 21:37	05/03/18 14:37	EPA 3050B	1,6010C	AB
Lead, Total	41.2		mg/kg	4.56	0.245	2	05/02/18 21:37	05/03/18 14:37	EPA 3050B	1,6010C	AB
Magnesium, Total	1720		mg/kg	9.13	1.40	2	05/02/18 21:37	05/03/18 14:37	EPA 3050B	1,6010C	AB
Manganese, Total	123		mg/kg	0.913	0.145	2	05/02/18 21:37	05/03/18 14:37	EPA 3050B	1,6010C	AB
Mercury, Total	0.136		mg/kg	0.076	0.016	1	05/02/18 07:30	05/02/18 11:34	EPA 7471B	1,7471B	MG
Nickel, Total	6.94		mg/kg	2.28	0.221	2	05/02/18 21:37	05/03/18 14:37	EPA 3050B	1,6010C	AB
Potassium, Total	382		mg/kg	228	13.1	2	05/02/18 21:37	05/03/18 14:37	EPA 3050B	1,6010C	AB
Selenium, Total	0.310	J	mg/kg	1.82	0.235	2	05/02/18 21:37	05/03/18 14:37	EPA 3050B	1,6010C	AB
Silver, Total	ND		mg/kg	0.913	0.258	2	05/02/18 21:37	05/03/18 14:37	EPA 3050B	1,6010C	AB
Sodium, Total	30.8	J	mg/kg	182	2.88	2	05/02/18 21:37	05/03/18 14:37	EPA 3050B	1,6010C	AB
Thallium, Total	ND		mg/kg	1.82	0.288	2	05/02/18 21:37	05/03/18 14:37	EPA 3050B	1,6010C	AB
Vanadium, Total	14.1		mg/kg	0.913	0.185	2	05/02/18 21:37	05/03/18 14:37	EPA 3050B	1,6010C	AB
Zinc, Total	58.6		mg/kg	4.56	0.267	2	05/02/18 21:37	05/03/18 14:37	EPA 3050B	1,6010C	AB

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815370
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815370-07
Client ID: SB-4 (0-2)
Sample Location: EAST HARLEM, NY
Date Collected: 04/30/18 15:00
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 82%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5740		mg/kg	9.62	2.60	2	05/02/18 21:37	05/03/18 14:42	EPA 3050B	1,6010C	AB
Antimony, Total	0.433	J	mg/kg	4.81	0.366	2	05/02/18 21:37	05/03/18 14:42	EPA 3050B	1,6010C	AB
Arsenic, Total	6.29		mg/kg	0.962	0.200	2	05/02/18 21:37	05/03/18 14:42	EPA 3050B	1,6010C	AB
Barium, Total	230		mg/kg	0.962	0.167	2	05/02/18 21:37	05/03/18 14:42	EPA 3050B	1,6010C	AB
Beryllium, Total	0.231	J	mg/kg	0.481	0.032	2	05/02/18 21:37	05/03/18 14:42	EPA 3050B	1,6010C	AB
Cadmium, Total	0.625	J	mg/kg	0.962	0.094	2	05/02/18 21:37	05/03/18 14:42	EPA 3050B	1,6010C	AB
Calcium, Total	21400		mg/kg	9.62	3.37	2	05/02/18 21:37	05/03/18 14:42	EPA 3050B	1,6010C	AB
Chromium, Total	12.5		mg/kg	0.962	0.092	2	05/02/18 21:37	05/03/18 14:42	EPA 3050B	1,6010C	AB
Cobalt, Total	4.28		mg/kg	1.92	0.160	2	05/02/18 21:37	05/03/18 14:42	EPA 3050B	1,6010C	AB
Copper, Total	35.3		mg/kg	0.962	0.248	2	05/02/18 21:37	05/03/18 14:42	EPA 3050B	1,6010C	AB
Iron, Total	10100		mg/kg	4.81	0.869	2	05/02/18 21:37	05/03/18 14:42	EPA 3050B	1,6010C	AB
Lead, Total	178		mg/kg	4.81	0.258	2	05/02/18 21:37	05/03/18 14:42	EPA 3050B	1,6010C	AB
Magnesium, Total	3160		mg/kg	9.62	1.48	2	05/02/18 21:37	05/03/18 14:42	EPA 3050B	1,6010C	AB
Manganese, Total	267		mg/kg	0.962	0.153	2	05/02/18 21:37	05/03/18 14:42	EPA 3050B	1,6010C	AB
Mercury, Total	0.466		mg/kg	0.077	0.016	1	05/02/18 07:30	05/02/18 11:36	EPA 7471B	1,7471B	MG
Nickel, Total	11.0		mg/kg	2.40	0.233	2	05/02/18 21:37	05/03/18 14:42	EPA 3050B	1,6010C	AB
Potassium, Total	849		mg/kg	240	13.8	2	05/02/18 21:37	05/03/18 14:42	EPA 3050B	1,6010C	AB
Selenium, Total	0.471	J	mg/kg	1.92	0.248	2	05/02/18 21:37	05/03/18 14:42	EPA 3050B	1,6010C	AB
Silver, Total	ND		mg/kg	0.962	0.272	2	05/02/18 21:37	05/03/18 14:42	EPA 3050B	1,6010C	AB
Sodium, Total	160	J	mg/kg	192	3.03	2	05/02/18 21:37	05/03/18 14:42	EPA 3050B	1,6010C	AB
Thallium, Total	ND		mg/kg	1.92	0.303	2	05/02/18 21:37	05/03/18 14:42	EPA 3050B	1,6010C	AB
Vanadium, Total	26.2		mg/kg	0.962	0.195	2	05/02/18 21:37	05/03/18 14:42	EPA 3050B	1,6010C	AB
Zinc, Total	225		mg/kg	4.81	0.282	2	05/02/18 21:37	05/03/18 14:42	EPA 3050B	1,6010C	AB

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815370
Report Date: 05/07/18

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-07 Batch: WG1111673-1										
Mercury, Total	ND		mg/kg	0.083	0.018	1	05/02/18 07:30	05/02/18 11:05	1,7471B	MG

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-07 Batch: WG1111987-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	05/02/18 21:37	05/03/18 13:34	1,6010C	PE
Antimony, Total	ND		mg/kg	2.00	0.152	1	05/02/18 21:37	05/03/18 13:34	1,6010C	PE
Arsenic, Total	ND		mg/kg	0.400	0.083	1	05/02/18 21:37	05/03/18 13:34	1,6010C	PE
Barium, Total	ND		mg/kg	0.400	0.070	1	05/02/18 21:37	05/03/18 13:34	1,6010C	PE
Beryllium, Total	ND		mg/kg	0.200	0.013	1	05/02/18 21:37	05/03/18 13:34	1,6010C	PE
Cadmium, Total	ND		mg/kg	0.400	0.039	1	05/02/18 21:37	05/03/18 13:34	1,6010C	PE
Calcium, Total	1.72	J	mg/kg	4.00	1.40	1	05/02/18 21:37	05/03/18 13:34	1,6010C	PE
Chromium, Total	ND		mg/kg	0.400	0.038	1	05/02/18 21:37	05/03/18 13:34	1,6010C	PE
Cobalt, Total	ND		mg/kg	0.800	0.066	1	05/02/18 21:37	05/03/18 13:34	1,6010C	PE
Copper, Total	ND		mg/kg	0.400	0.103	1	05/02/18 21:37	05/03/18 13:34	1,6010C	PE
Iron, Total	10.9		mg/kg	2.00	0.361	1	05/02/18 21:37	05/03/18 13:34	1,6010C	PE
Lead, Total	ND		mg/kg	2.00	0.107	1	05/02/18 21:37	05/03/18 13:34	1,6010C	PE
Magnesium, Total	ND		mg/kg	4.00	0.616	1	05/02/18 21:37	05/03/18 13:34	1,6010C	PE
Manganese, Total	0.220	J	mg/kg	0.400	0.064	1	05/02/18 21:37	05/03/18 13:34	1,6010C	PE
Nickel, Total	ND		mg/kg	1.00	0.097	1	05/02/18 21:37	05/03/18 13:34	1,6010C	PE
Potassium, Total	ND		mg/kg	100	5.76	1	05/02/18 21:37	05/03/18 13:34	1,6010C	PE
Selenium, Total	ND		mg/kg	0.800	0.103	1	05/02/18 21:37	05/03/18 13:34	1,6010C	PE
Silver, Total	ND		mg/kg	0.400	0.113	1	05/02/18 21:37	05/03/18 13:34	1,6010C	PE
Sodium, Total	5.70	J	mg/kg	80.0	1.26	1	05/02/18 21:37	05/03/18 13:34	1,6010C	PE
Thallium, Total	ND		mg/kg	0.800	0.126	1	05/02/18 21:37	05/03/18 13:34	1,6010C	PE
Vanadium, Total	ND		mg/kg	0.400	0.081	1	05/02/18 21:37	05/03/18 13:34	1,6010C	PE
Zinc, Total	ND		mg/kg	2.00	0.117	1	05/02/18 21:37	05/03/18 13:34	1,6010C	PE

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815370
Report Date: 05/07/18

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis

Batch Quality Control

Project Name: SENDERO VERDE

Project Number: 2984.0001Y000

Lab Number: L1815370

Report Date: 05/07/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-07 Batch: WG1111673-2 SRM Lot Number: D098-540								
Mercury, Total	109		-		50-149	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: SENDERO VERDE

Project Number: 2984.0001Y000

Lab Number: L1815370

Report Date: 05/07/18

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-07 Batch: WG1111987-2 SRM Lot Number: D098-540					
Aluminum, Total	65	-	47-153	-	
Antimony, Total	170	-	6-194	-	
Arsenic, Total	103	-	83-117	-	
Barium, Total	84	-	82-118	-	
Beryllium, Total	91	-	83-117	-	
Cadmium, Total	98	-	82-117	-	
Calcium, Total	84	-	81-118	-	
Chromium, Total	91	-	83-119	-	
Cobalt, Total	97	-	84-116	-	
Copper, Total	91	-	84-116	-	
Iron, Total	79	-	60-140	-	
Lead, Total	96	-	82-117	-	
Magnesium, Total	81	-	76-124	-	
Manganese, Total	82	-	82-118	-	
Nickel, Total	97	-	82-117	-	
Potassium, Total	79	-	69-131	-	
Selenium, Total	101	-	78-121	-	
Silver, Total	98	-	80-120	-	
Sodium, Total	90	-	74-126	-	
Thallium, Total	100	-	80-119	-	
Vanadium, Total	90	-	79-121	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: SENDERO VERDE

Project Number: 2984.0001Y000

Lab Number: L1815370

Report Date: 05/07/18

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-07 Batch: WG1111987-2 SRM Lot Number: D098-540					
Zinc, Total	98	-	81-119	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815370
Report Date: 05/07/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-07 QC Batch ID: WG1111673-3 QC Sample: L1815400-01 Client ID: MS Sample												
Mercury, Total	0.030J	0.134	0.192	**143**	Q	-	-		80-120	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815370
Report Date: 05/07/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-07 QC Batch ID: WG1111987-3 QC Sample: L1815370-01 Client ID: SB-3 (0-2)										
Aluminum, Total	5620	186	7610	**1070**	Q	-	-	75-125	-	20
Antimony, Total	ND	46.6	41.9	90		-	-	75-125	-	20
Arsenic, Total	6.35	11.2	18.4	108		-	-	75-125	-	20
Barium, Total	60.3	186	238	95		-	-	75-125	-	20
Beryllium, Total	0.206J	4.66	4.78	102		-	-	75-125	-	20
Cadmium, Total	0.286J	4.75	4.78	100		-	-	75-125	-	20
Calcium, Total	2130	932	2880	80		-	-	75-125	-	20
Chromium, Total	7.13	18.6	26.2	102		-	-	75-125	-	20
Cobalt, Total	2.68	46.6	44.2	89		-	-	75-125	-	20
Copper, Total	11.3	23.3	33.5	95		-	-	75-125	-	20
Iron, Total	10900	93.2	9440	**0**	Q	-	-	75-125	-	20
Lead, Total	36.5	47.5	76.3	84		-	-	75-125	-	20
Magnesium, Total	987.	932	1910	99		-	-	75-125	-	20
Manganese, Total	133.	46.6	150	**36**	Q	-	-	75-125	-	20
Nickel, Total	6.25	46.6	47.8	89		-	-	75-125	-	20
Potassium, Total	303.	932	1240	100		-	-	75-125	-	20
Selenium, Total	0.724J	11.2	10.8	96		-	-	75-125	-	20
Silver, Total	ND	28	29.1	104		-	-	75-125	-	20
Sodium, Total	35.6J	932	1000	107		-	-	75-125	-	20
Thallium, Total	ND	11.2	9.47	85		-	-	75-125	-	20
Vanadium, Total	12.7	46.6	59.3	100		-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815370
Report Date: 05/07/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-07 QC Batch ID: WG1111987-3 QC Sample: L1815370-01 Client ID: SB-3 (0-2)									
Zinc, Total	53.2	46.6	96.3	92	-	-	75-125	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815370
Report Date: 05/07/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-07 QC Batch ID: WG1111673-4 QC Sample: L1815400-01 Client ID: DUP Sample						
Mercury, Total	0.030J	0.032J	mg/kg	NC		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815370
Report Date: 05/07/18

Parameter	Native Sample	Duplicate Sample	Units	RPD		RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-07 QC Batch ID: WG1111987-4 QC Sample: L1815370-01 Client ID: SB-3 (0-2)						
Aluminum, Total	5620	5890	mg/kg	5		20
Antimony, Total	ND	ND	mg/kg	NC		20
Arsenic, Total	6.35	5.81	mg/kg	9		20
Barium, Total	60.3	76.1	mg/kg	**23**	Q	20
Beryllium, Total	0.206J	0.209J	mg/kg	NC		20
Cadmium, Total	0.286J	0.254J	mg/kg	NC		20
Calcium, Total	2130	3320	mg/kg	**44**	Q	20
Chromium, Total	7.13	7.54	mg/kg	6		20
Cobalt, Total	2.68	2.40	mg/kg	11		20
Copper, Total	11.3	11.1	mg/kg	2		20
Iron, Total	10900	7770	mg/kg	**34**	Q	20
Lead, Total	36.5	33.7	mg/kg	8		20
Magnesium, Total	987.	1320	mg/kg	**29**	Q	20
Manganese, Total	133.	97.8	mg/kg	**31**	Q	20
Nickel, Total	6.25	5.09	mg/kg	20		20
Potassium, Total	303.	271	mg/kg	11		20
Selenium, Total	0.724J	0.282J	mg/kg	NC		20
Silver, Total	ND	ND	mg/kg	NC		20
Sodium, Total	35.6J	38.8J	mg/kg	NC		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815370
Report Date: 05/07/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-07 QC Batch ID: WG1111987-4 QC Sample: L1815370-01 Client ID: SB-3 (0-2)					
Thallium, Total	ND	ND	mg/kg	NC	20
Vanadium, Total	12.7	12.8	mg/kg	1	20
Zinc, Total	53.2	58.2	mg/kg	9	20

INORGANICS
&
MISCELLANEOUS

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815370
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815370-01
Client ID: SB-3 (0-2)
Sample Location: EAST HARLEM, NY

Date Collected: 04/30/18 09:30
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83.8		%	0.100	NA	1	-	05/02/18 08:11	121,2540G	RI

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815370
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815370-02
Client ID: SB-5 (0-2)
Sample Location: EAST HARLEM, NY

Date Collected: 04/30/18 10:30
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	77.4		%	0.100	NA	1	-	05/02/18 08:11	121,2540G	RI

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815370
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815370-03
Client ID: SB-6 (0-2)
Sample Location: EAST HARLEM, NY

Date Collected: 04/30/18 11:30
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.1		%	0.100	NA	1	-	05/02/18 08:11	121,2540G	RI

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815370
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815370-04
Client ID: SB-8 (0-2)
Sample Location: EAST HARLEM, NY

Date Collected: 04/30/18 12:00
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.9		%	0.100	NA	1	-	05/02/18 08:11	121,2540G	RI

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815370
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815370-05
Client ID: SB-12 (0-2)
Sample Location: EAST HARLEM, NY

Date Collected: 04/30/18 13:00
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.1		%	0.100	NA	1	-	05/02/18 08:11	121,2540G	RI

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815370
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815370-06
Client ID: SB-7 (0-2)
Sample Location: EAST HARLEM, NY

Date Collected: 04/30/18 14:00
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83.0		%	0.100	NA	1	-	05/02/18 08:11	121,2540G	RI

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815370
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815370-07
Client ID: SB-4 (0-2)
Sample Location: EAST HARLEM, NY

Date Collected: 04/30/18 15:00
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	81.9		%	0.100	NA	1	-	05/02/18 08:11	121,2540G	RI

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815370
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815370-08
Client ID: SB-3 1'
Sample Location: EAST HARLEM, NY

Date Collected: 04/30/18 09:30
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83.8		%	0.100	NA	1	-	05/02/18 08:11	121,2540G	RI

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815370
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815370-09
Client ID: SB-5 1'
Sample Location: EAST HARLEM, NY

Date Collected: 04/30/18 10:30
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	77.4		%	0.100	NA	1	-	05/02/18 08:11	121,2540G	RI

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815370
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815370-10
Client ID: SB-6 1'
Sample Location: EAST HARLEM, NY

Date Collected: 04/30/18 11:30
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.1		%	0.100	NA	1	-	05/02/18 08:11	121,2540G	RI

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815370
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815370-11
Client ID: SB-8 1'
Sample Location: EAST HARLEM, NY

Date Collected: 04/30/18 12:00
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.9		%	0.100	NA	1	-	05/02/18 08:11	121,2540G	RI

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815370
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815370-12
Client ID: SB-12 1'
Sample Location: EAST HARLEM, NY

Date Collected: 04/30/18 13:00
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.1		%	0.100	NA	1	-	05/02/18 08:11	121,2540G	RI

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815370
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815370-13
Client ID: SB-7 1'
Sample Location: EAST HARLEM, NY

Date Collected: 04/30/18 14:00
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83.8		%	0.100	NA	1	-	05/02/18 08:11	121,2540G	RI

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815370
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815370-14
Client ID: SB-4 1'
Sample Location: EAST HARLEM, NY

Date Collected: 04/30/18 15:00
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	81.9		%	0.100	NA	1	-	05/02/18 08:11	121,2540G	RI

Lab Duplicate Analysis
Batch Quality Control

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815370
Report Date: 05/07/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-14 QC Batch ID: WG1111707-1 QC Sample: L1815370-01 Client ID: SB-3 (0-2)						
Solids, Total	83.8	84.9	%	1		20

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815370
Report Date: 05/07/18

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1815370-01A	5 gram Encore Sampler	A	NA		4.4	Y	Absent		-
L1815370-01B	5 gram Encore Sampler	A	NA		4.4	Y	Absent		-
L1815370-01C	5 gram Encore Sampler	A	NA		4.4	Y	Absent		-
L1815370-01D	Plastic 2oz unpreserved for TS	A	NA		4.4	Y	Absent		TS(7)
L1815370-01E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.4	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1815370-01F	Glass 250ml/8oz unpreserved	A	NA		4.4	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)
L1815370-01X	Vial MeOH preserved split	A	NA		4.4	Y	Absent		-
L1815370-01Y	Vial Water preserved split	A	NA		4.4	Y	Absent	02-MAY-18 06:56	-
L1815370-01Z	Vial Water preserved split	A	NA		4.4	Y	Absent	02-MAY-18 06:56	-
L1815370-02A	5 gram Encore Sampler	A	NA		4.4	Y	Absent		-
L1815370-02B	5 gram Encore Sampler	A	NA		4.4	Y	Absent		-
L1815370-02C	5 gram Encore Sampler	A	NA		4.4	Y	Absent		-
L1815370-02D	Plastic 2oz unpreserved for TS	A	NA		4.4	Y	Absent		TS(7)
L1815370-02E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.4	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1815370-02F	Glass 250ml/8oz unpreserved	A	NA		4.4	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)
L1815370-02X	Vial MeOH preserved split	A	NA		4.4	Y	Absent		-
L1815370-02Y	Vial Water preserved split	A	NA		4.4	Y	Absent	02-MAY-18 06:56	-

*Values in parentheses indicate holding time in days

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815370
Report Date: 05/07/18

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1815370-02Z	Vial Water preserved split	A	NA		4.4	Y	Absent	02-MAY-18 06:56	-
L1815370-03A	5 gram Encore Sampler	A	NA		4.4	Y	Absent		-
L1815370-03B	5 gram Encore Sampler	A	NA		4.4	Y	Absent		-
L1815370-03C	5 gram Encore Sampler	A	NA		4.4	Y	Absent		-
L1815370-03D	Plastic 2oz unpreserved for TS	A	NA		4.4	Y	Absent		TS(7)
L1815370-03E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.4	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1815370-03F	Glass 250ml/8oz unpreserved	A	NA		4.4	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)
L1815370-03X	Vial MeOH preserved split	A	NA		4.4	Y	Absent		-
L1815370-03Y	Vial Water preserved split	A	NA		4.4	Y	Absent	02-MAY-18 06:56	-
L1815370-03Z	Vial Water preserved split	A	NA		4.4	Y	Absent	02-MAY-18 06:56	-
L1815370-04A	5 gram Encore Sampler	A	NA		4.4	Y	Absent		-
L1815370-04B	5 gram Encore Sampler	A	NA		4.4	Y	Absent		-
L1815370-04C	5 gram Encore Sampler	A	NA		4.4	Y	Absent		-
L1815370-04D	Plastic 2oz unpreserved for TS	A	NA		4.4	Y	Absent		TS(7)
L1815370-04E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.4	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1815370-04F	Glass 250ml/8oz unpreserved	A	NA		4.4	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)
L1815370-04X	Vial MeOH preserved split	A	NA		4.4	Y	Absent		-
L1815370-04Y	Vial Water preserved split	A	NA		4.4	Y	Absent	02-MAY-18 06:56	-
L1815370-04Z	Vial Water preserved split	A	NA		4.4	Y	Absent	02-MAY-18 06:56	-
L1815370-05A	5 gram Encore Sampler	A	NA		4.4	Y	Absent		-
L1815370-05B	5 gram Encore Sampler	A	NA		4.4	Y	Absent		-
L1815370-05C	5 gram Encore Sampler	A	NA		4.4	Y	Absent		-
L1815370-05D	Plastic 2oz unpreserved for TS	A	NA		4.4	Y	Absent		TS(7)

*Values in parentheses indicate holding time in days

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815370
Report Date: 05/07/18

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1815370-05E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.4	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1815370-05F	Glass 250ml/8oz unpreserved	A	NA		4.4	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)
L1815370-05X	Vial MeOH preserved split	A	NA		4.4	Y	Absent		-
L1815370-05Y	Vial Water preserved split	A	NA		4.4	Y	Absent	02-MAY-18 06:56	-
L1815370-05Z	Vial Water preserved split	A	NA		4.4	Y	Absent	02-MAY-18 06:56	-
L1815370-06A	5 gram Encore Sampler	A	NA		4.4	Y	Absent		-
L1815370-06B	5 gram Encore Sampler	A	NA		4.4	Y	Absent		-
L1815370-06C	5 gram Encore Sampler	A	NA		4.4	Y	Absent		-
L1815370-06D	Plastic 2oz unpreserved for TS	A	NA		4.4	Y	Absent		TS(7)
L1815370-06E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.4	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1815370-06F	Glass 250ml/8oz unpreserved	A	NA		4.4	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)
L1815370-06X	Vial MeOH preserved split	A	NA		4.4	Y	Absent		-
L1815370-06Y	Vial Water preserved split	A	NA		4.4	Y	Absent	02-MAY-18 06:56	-
L1815370-06Z	Vial Water preserved split	A	NA		4.4	Y	Absent	02-MAY-18 06:56	-
L1815370-07A	5 gram Encore Sampler	A	NA		4.4	Y	Absent		-
L1815370-07B	5 gram Encore Sampler	A	NA		4.4	Y	Absent		-
L1815370-07C	5 gram Encore Sampler	A	NA		4.4	Y	Absent		-
L1815370-07D	Plastic 2oz unpreserved for TS	A	NA		4.4	Y	Absent		TS(7)
L1815370-07E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.4	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1815370-07F	Glass 250ml/8oz unpreserved	A	NA		4.4	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)

*Values in parentheses indicate holding time in days

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815370
Report Date: 05/07/18

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1815370-07X	Vial MeOH preserved split	A	NA		4.4	Y	Absent		-
L1815370-07Y	Vial Water preserved split	A	NA		4.4	Y	Absent	02-MAY-18 06:56	-
L1815370-07Z	Vial Water preserved split	A	NA		4.4	Y	Absent	02-MAY-18 06:56	-

*Values in parentheses indicate holding time in days

Project Name:	SENDERO VERDE	**Lab Number:**	L1815370
Project Number:	2984.0001Y000	**Report Date:**	05/07/18

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

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

Terms

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

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

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

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

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

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related

Report Format: DU Report with 'J' Qualifiers

Project Name:	SENDERO VERDE	**Lab Number:**	L1815370
Project Number:	2984.0001Y000	**Report Date:**	05/07/18

Data Qualifiers

projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

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

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

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

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name:	SENDERO VERDE	**Lab Number:**	L1815370
Project Number:	2984.0001Y000	**Report Date:**	05/07/18

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 300: DW: Bromide
EPA 6860: SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, EPA 351.1, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Be, Cd, Cr, Cu, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 5/1/18

ALPHA Job #: L1815370

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Project Information

Project Name: Sendero Verde
Project Location: East Harlem, NY
Project #: 2984.0001Y000
(Use Project name as Project #) ☐
Project Manager: Julie Moriarity
ALPHAQuote #:

Turn-Around Time

Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Client Information

Client: Roux
Address: 209 Shafter St, Islandia, NY 11749
Phone: 631-232-2600
Fax: 631-232-9898
Email: jmoriarity@rouxinc.com

Deliverables

☐ ASP-A ☒ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information

☒ Same as Client Info
PO #

Regulatory Requirement

☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information

Please identify below location of applicable disposal facilities.

Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOC 8260	SVOC 8270, PCB 8082A, Pest 8081B	TAL Metals 6010C	Total Solids					Sample Specific Comments	Total Bottles
15370-01	SB-3 (0-2)	4/30/18	9:30	Soil	VS	X	X	X	X						6
02	SB-5 (0-2)	↓	10:30	↓	↓	X	X	X	X						6
03	SB-6 (0-2)	↓	11:30	↓	↓	X	X	X	X						6
04	SB-8 (0-2)	↓	12:00	↓	↓	X	X	X	X						6
05	SB-12 (0-2)	↓	13:00	↓	↓	X	X	X	X						6
06	SB-7 (0-2)	↓	14:00	↓	↓	X	X	X	X						6
07	SB-4 (0-2)	↓	15:00	↓	↓	X	X	X	X						6

	VOC 8260	SVOC	TAL Metals	Total Solids
Container Type	E	A	A	P
Preservative	A	A	A	A

Preservative Code: A = None, B = HCl, C = HNO_3, D = H_2SO_4, E = NaOH, F = MeOH, G = $NaHSO_4$, H = $Na_2S_2O_3$, K/E = Zn Ac/NaOH, O = Other

Container Code: P = Plastic, A = Amber Glass, V = Vial, G = Glass, B = Bacteria Cup, C = Cube, O = Other, E = Encore, D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
Valerie Sabatino	5/1/18 7:53	GBB AAL	5-1-18 7:53
GBB	5-1-18 12:50	Daniel Santos AAL	5/1/18 1800
Daniel Santos AAL	5/1/18 2300	[signature]	5/1/18 23:00

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L1815425
Client:	Roux Envr. Engr. & Geology, DPC 209 Shafter Street Islandia, NY 11749
ATTN:	Julie Moriarity
Phone:	(631) 232-2600
Project Name:	SENDERO VERDE
Project Number:	2984.0001Y000
Report Date:	05/07/18

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

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

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815425
Report Date: 05/07/18

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1815425-01	SB-10 (0-2)	SOIL	EAST HARLEM, NY	05/01/18 08:15	05/01/18
L1815425-02	SB-2 (0-2)	SOIL	EAST HARLEM, NY	05/01/18 08:45	05/01/18
L1815425-03	SB-9 (0-2)	SOIL	EAST HARLEM, NY	05/01/18 09:05	05/01/18
L1815425-04	SB-1 (0-2)	SOIL	EAST HARLEM, NY	05/01/18 10:00	05/01/18
L1815425-05	SB-11 (0-2)	SOIL	EAST HARLEM, NY	05/01/18 10:45	05/01/18
L1815425-06	SB-3 (17-19)	SOIL	EAST HARLEM, NY	05/01/18 11:30	05/01/18
L1815425-07	SB-10 (15-17)	SOIL	EAST HARLEM, NY	05/01/18 12:45	05/01/18
L1815425-08	SB-4 (11-13)	SOIL	EAST HARLEM, NY	05/01/18 14:30	05/01/18
L1815425-09	SB-10 1'	SOIL	EAST HARLEM, NY	05/01/18 08:15	05/01/18
L1815425-10	SB-2 1'	SOIL	EAST HARLEM, NY	05/01/18 08:45	05/01/18
L1815425-11	SB-9 1'	SOIL	EAST HARLEM, NY	05/01/18 09:05	05/01/18
L1815425-12	SB-1 1'	SOIL	EAST HARLEM, NY	05/01/18 10:00	05/01/18
L1815425-13	SB-11 1'	SOIL	EAST HARLEM, NY	05/01/18 10:45	05/01/18
L1815425-14	SB-3 18'	SOIL	EAST HARLEM, NY	05/01/18 11:30	05/01/18
L1815425-15	SB-10 16'	SOIL	EAST HARLEM, NY	05/01/18 12:45	05/01/18
L1815425-16	SB-4 12.5'	SOIL	EAST HARLEM, NY	05/01/18 14:30	05/01/18

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815425
Report Date: 05/07/18

Case Narrative

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

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

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

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

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

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

Project Name:	SENDERO VERDE	**Lab Number:**	L1815425
Project Number:	2984.0001Y000	**Report Date:**	05/07/18

Case Narrative (continued)

Report Submission

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

Pesticides

L1815425-02 through -05: The sample has elevated detection limits due to the dilution required by the sample matrix.

Total Metals

L1815425-01 through -08: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

The WG1111987-1 Method Blank, associated with L1815425-01 through -08, has a concentration above the reporting limit for iron. Since the associated sample concentrations are greater than 10x the blank concentration for this analyte, no corrective action is required.

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

Authorized Signature: Kelly Stenstrom

Title: Technical Director/Representative Date: 05/07/18

ORGANICS

VOLATILES

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815425
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815425-09
Client ID: SB-10 1'
Sample Location: EAST HARLEM, NY
Date Collected: 05/01/18 08:15
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 05/03/18 18:35
Analyst: AD
Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	14	2.3	1
1,1-Dichloroethane	ND		ug/kg	2.1	0.38	1
Chloroform	ND		ug/kg	2.1	0.53	1
Carbon tetrachloride	ND		ug/kg	1.4	0.49	1
1,2-Dichloropropane	ND		ug/kg	5.0	0.32	1
Dibromochloromethane	ND		ug/kg	1.4	0.25	1
1,1,2-Trichloroethane	ND		ug/kg	2.1	0.44	1
Tetrachloroethene	ND		ug/kg	1.4	0.43	1
Chlorobenzene	ND		ug/kg	1.4	0.50	1
Trichlorofluoromethane	ND		ug/kg	7.1	0.59	1
1,2-Dichloroethane	ND		ug/kg	1.4	0.35	1
1,1,1-Trichloroethane	ND		ug/kg	1.4	0.50	1
Bromodichloromethane	ND		ug/kg	1.4	0.44	1
trans-1,3-Dichloropropene	ND		ug/kg	1.4	0.30	1
cis-1,3-Dichloropropene	ND		ug/kg	1.4	0.33	1
1,3-Dichloropropene, Total	ND		ug/kg	1.4	0.30	1
1,1-Dichloropropene	ND		ug/kg	7.1	0.47	1
Bromoform	ND		ug/kg	5.7	0.34	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.4	0.42	1
Benzene	ND		ug/kg	1.4	0.27	1
Toluene	ND		ug/kg	2.1	0.28	1
Ethylbenzene	ND		ug/kg	1.4	0.24	1
Chloromethane	ND		ug/kg	7.1	0.62	1
Bromomethane	ND		ug/kg	2.8	0.48	1
Vinyl chloride	ND		ug/kg	2.8	0.45	1
Chloroethane	ND		ug/kg	2.8	0.45	1
1,1-Dichloroethene	ND		ug/kg	1.4	0.53	1
trans-1,2-Dichloroethene	ND		ug/kg	2.1	0.34	1

Project Name: SENDERO VERDE **Lab Number:** L1815425

Project Number: 2984.0001Y000 **Report Date:** 05/07/18

SAMPLE RESULTS

Lab ID: L1815425-09 Date Collected: 05/01/18 08:15

Client ID: SB-10 1' Date Received: 05/01/18

Sample Location: EAST HARLEM, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	1.4	0.43	1
1,2-Dichlorobenzene	ND		ug/kg	7.1	0.26	1
1,3-Dichlorobenzene	ND		ug/kg	7.1	0.31	1
1,4-Dichlorobenzene	ND		ug/kg	7.1	0.26	1
Methyl tert butyl ether	ND		ug/kg	2.8	0.22	1
p/m-Xylene	ND		ug/kg	2.8	0.50	1
o-Xylene	ND		ug/kg	2.8	0.48	1
Xylenes, Total	ND		ug/kg	2.8	0.48	1
cis-1,2-Dichloroethene	ND		ug/kg	1.4	0.49	1
1,2-Dichloroethene, Total	ND		ug/kg	1.4	0.34	1
Dibromomethane	ND		ug/kg	14	0.34	1
Styrene	ND		ug/kg	2.8	0.57	1
Dichlorodifluoromethane	ND		ug/kg	14	0.71	1
Acetone	9.4	J	ug/kg	14	3.2	1
Carbon disulfide	ND		ug/kg	14	1.6	1
2-Butanone	ND		ug/kg	14	0.98	1
Vinyl acetate	ND		ug/kg	14	0.22	1
4-Methyl-2-pentanone	ND		ug/kg	14	0.35	1
1,2,3-Trichloropropane	ND		ug/kg	14	0.25	1
2-Hexanone	ND		ug/kg	14	0.95	1
Bromochloromethane	ND		ug/kg	7.1	0.51	1
2,2-Dichloropropane	ND		ug/kg	7.1	0.64	1
1,2-Dibromoethane	ND		ug/kg	5.7	0.28	1
1,3-Dichloropropane	ND		ug/kg	7.1	0.26	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.4	0.45	1
Bromobenzene	ND		ug/kg	7.1	0.31	1
n-Butylbenzene	ND		ug/kg	1.4	0.32	1
sec-Butylbenzene	ND		ug/kg	1.4	0.31	1
tert-Butylbenzene	ND		ug/kg	7.1	0.35	1
o-Chlorotoluene	ND		ug/kg	7.1	0.31	1
p-Chlorotoluene	ND		ug/kg	7.1	0.26	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	7.1	0.56	1
Hexachlorobutadiene	ND		ug/kg	7.1	0.50	1
Isopropylbenzene	ND		ug/kg	1.4	0.28	1
p-Isopropyltoluene	ND		ug/kg	1.4	0.29	1
Naphthalene	ND		ug/kg	7.1	0.20	1
Acrylonitrile	ND		ug/kg	14	0.73	1

Project Name: SENDERO VERDE **Lab Number:** L1815425

Project Number: 2984.0001Y000 **Report Date:** 05/07/18

SAMPLE RESULTS

Lab ID: L1815425-09 Date Collected: 05/01/18 08:15

Client ID: SB-10 1' Date Received: 05/01/18

Sample Location: EAST HARLEM, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.4	0.30	1
1,2,3-Trichlorobenzene	ND		ug/kg	7.1	0.36	1
1,2,4-Trichlorobenzene	ND		ug/kg	7.1	0.30	1
1,3,5-Trimethylbenzene	ND		ug/kg	7.1	0.23	1
1,2,4-Trimethylbenzene	ND		ug/kg	7.1	0.26	1
1,4-Dioxane	ND		ug/kg	57	20.	1
p-Diethylbenzene	ND		ug/kg	5.7	5.7	1
p-Ethyltoluene	ND		ug/kg	5.7	0.33	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	5.7	0.22	1
Ethyl ether	ND		ug/kg	7.1	0.37	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	7.1	0.56	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	112		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	99		70-130

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815425
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815425-10
Client ID: SB-2 1'
Sample Location: EAST HARLEM, NY
Date Collected: 05/01/18 08:45
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 05/04/18 13:08
Analyst: BD
Percent Solids: 65%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	21	3.4	1
1,1-Dichloroethane	ND		ug/kg	3.1	0.56	1
Chloroform	ND		ug/kg	3.1	0.77	1
Carbon tetrachloride	ND		ug/kg	2.1	0.72	1
1,2-Dichloropropane	ND		ug/kg	7.3	0.47	1
Dibromochloromethane	ND		ug/kg	2.1	0.36	1
1,1,2-Trichloroethane	ND		ug/kg	3.1	0.65	1
Tetrachloroethene	ND		ug/kg	2.1	0.63	1
Chlorobenzene	ND		ug/kg	2.1	0.72	1
Trichlorofluoromethane	ND		ug/kg	10	0.86	1
1,2-Dichloroethane	ND		ug/kg	2.1	0.51	1
1,1,1-Trichloroethane	ND		ug/kg	2.1	0.73	1
Bromodichloromethane	ND		ug/kg	2.1	0.64	1
trans-1,3-Dichloropropene	ND		ug/kg	2.1	0.43	1
cis-1,3-Dichloropropene	ND		ug/kg	2.1	0.48	1
1,3-Dichloropropene, Total	ND		ug/kg	2.1	0.43	1
1,1-Dichloropropene	ND		ug/kg	10	0.68	1
Bromoform	ND		ug/kg	8.3	0.49	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.1	0.62	1
Benzene	ND		ug/kg	2.1	0.40	1
Toluene	ND		ug/kg	3.1	0.40	1
Ethylbenzene	ND		ug/kg	2.1	0.35	1
Chloromethane	ND		ug/kg	10	0.90	1
Bromomethane	ND		ug/kg	4.2	0.70	1
Vinyl chloride	ND		ug/kg	4.2	0.65	1
Chloroethane	ND		ug/kg	4.2	0.66	1
1,1-Dichloroethene	ND		ug/kg	2.1	0.77	1
trans-1,2-Dichloroethene	ND		ug/kg	3.1	0.50	1

Project Name: SENDERO VERDE **Lab Number:** L1815425

Project Number: 2984.0001Y000 **Report Date:** 05/07/18

SAMPLE RESULTS

Lab ID: L1815425-10 Date Collected: 05/01/18 08:45

Client ID: SB-2 1' Date Received: 05/01/18

Sample Location: EAST HARLEM, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	2.1	0.63	1
1,2-Dichlorobenzene	ND		ug/kg	10	0.38	1
1,3-Dichlorobenzene	ND		ug/kg	10	0.45	1
1,4-Dichlorobenzene	ND		ug/kg	10	0.38	1
Methyl tert butyl ether	ND		ug/kg	4.2	0.32	1
p/m-Xylene	ND		ug/kg	4.2	0.73	1
o-Xylene	ND		ug/kg	4.2	0.70	1
Xylenes, Total	ND		ug/kg	4.2	0.70	1
cis-1,2-Dichloroethene	ND		ug/kg	2.1	0.71	1
1,2-Dichloroethene, Total	ND		ug/kg	2.1	0.50	1
Dibromomethane	ND		ug/kg	21	0.50	1
Styrene	ND		ug/kg	4.2	0.83	1
Dichlorodifluoromethane	ND		ug/kg	21	1.0	1
Acetone	ND		ug/kg	21	4.8	1
Carbon disulfide	ND		ug/kg	21	2.3	1
2-Butanone	ND		ug/kg	21	1.4	1
Vinyl acetate	ND		ug/kg	21	0.32	1
4-Methyl-2-pentanone	ND		ug/kg	21	0.51	1
1,2,3-Trichloropropane	ND		ug/kg	21	0.37	1
2-Hexanone	ND		ug/kg	21	1.4	1
Bromochloromethane	ND		ug/kg	10	0.74	1
2,2-Dichloropropane	ND		ug/kg	10	0.93	1
1,2-Dibromoethane	ND		ug/kg	8.3	0.41	1
1,3-Dichloropropane	ND		ug/kg	10	0.38	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.1	0.66	1
Bromobenzene	ND		ug/kg	10	0.45	1
n-Butylbenzene	ND		ug/kg	2.1	0.47	1
sec-Butylbenzene	ND		ug/kg	2.1	0.45	1
tert-Butylbenzene	ND		ug/kg	10	0.51	1
o-Chlorotoluene	ND		ug/kg	10	0.46	1
p-Chlorotoluene	ND		ug/kg	10	0.38	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	10	0.82	1
Hexachlorobutadiene	ND		ug/kg	10	0.72	1
Isopropylbenzene	ND		ug/kg	2.1	0.40	1
p-Isopropyltoluene	ND		ug/kg	2.1	0.42	1
Naphthalene	ND		ug/kg	10	0.29	1
Acrylonitrile	ND		ug/kg	21	1.1	1

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815425
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815425-10
Client ID: SB-2 1'
Sample Location: EAST HARLEM, NY
Date Collected: 05/01/18 08:45
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
n-Propylbenzene	ND		ug/kg	2.1	0.45	1
1,2,3-Trichlorobenzene	ND		ug/kg	10	0.52	1
1,2,4-Trichlorobenzene	ND		ug/kg	10	0.45	1
1,3,5-Trimethylbenzene	ND		ug/kg	10	0.33	1
1,2,4-Trimethylbenzene	ND		ug/kg	10	0.39	1
1,4-Dioxane	ND		ug/kg	83	30.	1
p-Diethylbenzene	ND		ug/kg	8.3	8.3	1
p-Ethyltoluene	ND		ug/kg	8.3	0.48	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	8.3	0.32	1
Ethyl ether	ND		ug/kg	10	0.54	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	10	0.81	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	119		70-130
4-Bromofluorobenzene	128		70-130
Dibromofluoromethane	99		70-130

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815425
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815425-11
Client ID: SB-9 1'
Sample Location: EAST HARLEM, NY
Date Collected: 05/01/18 09:05
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 05/03/18 19:30
Analyst: AD
Percent Solids: 79%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	15	2.5	1
1,1-Dichloroethane	ND		ug/kg	2.3	0.41	1
Chloroform	ND		ug/kg	2.3	0.56	1
Carbon tetrachloride	ND		ug/kg	1.5	0.52	1
1,2-Dichloropropane	ND		ug/kg	5.3	0.34	1
Dibromochloromethane	ND		ug/kg	1.5	0.26	1
1,1,2-Trichloroethane	ND		ug/kg	2.3	0.47	1
Tetrachloroethene	ND		ug/kg	1.5	0.46	1
Chlorobenzene	ND		ug/kg	1.5	0.52	1
Trichlorofluoromethane	ND		ug/kg	7.5	0.63	1
1,2-Dichloroethane	ND		ug/kg	1.5	0.37	1
1,1,1-Trichloroethane	ND		ug/kg	1.5	0.53	1
Bromodichloromethane	ND		ug/kg	1.5	0.46	1
trans-1,3-Dichloropropene	ND		ug/kg	1.5	0.31	1
cis-1,3-Dichloropropene	ND		ug/kg	1.5	0.35	1
1,3-Dichloropropene, Total	ND		ug/kg	1.5	0.31	1
1,1-Dichloropropene	ND		ug/kg	7.5	0.49	1
Bromoform	ND		ug/kg	6.0	0.36	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.5	0.45	1
Benzene	ND		ug/kg	1.5	0.29	1
Toluene	ND		ug/kg	2.3	0.29	1
Ethylbenzene	ND		ug/kg	1.5	0.26	1
Chloromethane	ND		ug/kg	7.5	0.66	1
Bromomethane	ND		ug/kg	3.0	0.51	1
Vinyl chloride	ND		ug/kg	3.0	0.47	1
Chloroethane	ND		ug/kg	3.0	0.48	1
1,1-Dichloroethene	ND		ug/kg	1.5	0.56	1
trans-1,2-Dichloroethene	ND		ug/kg	2.3	0.36	1

Project Name: SENDERO VERDE **Lab Number:** L1815425

Project Number: 2984.0001Y000 **Report Date:** 05/07/18

SAMPLE RESULTS

Lab ID: L1815425-11 Date Collected: 05/01/18 09:05

Client ID: SB-9 1' Date Received: 05/01/18

Sample Location: EAST HARLEM, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	1.5	0.46	1
1,2-Dichlorobenzene	ND		ug/kg	7.5	0.27	1
1,3-Dichlorobenzene	ND		ug/kg	7.5	0.33	1
1,4-Dichlorobenzene	ND		ug/kg	7.5	0.27	1
Methyl tert butyl ether	ND		ug/kg	3.0	0.23	1
p/m-Xylene	ND		ug/kg	3.0	0.53	1
o-Xylene	ND		ug/kg	3.0	0.51	1
Xylenes, Total	ND		ug/kg	3.0	0.51	1
cis-1,2-Dichloroethene	ND		ug/kg	1.5	0.52	1
1,2-Dichloroethene, Total	ND		ug/kg	1.5	0.36	1
Dibromomethane	ND		ug/kg	15	0.36	1
Styrene	ND		ug/kg	3.0	0.60	1
Dichlorodifluoromethane	ND		ug/kg	15	0.75	1
Acetone	ND		ug/kg	15	3.4	1
Carbon disulfide	ND		ug/kg	15	1.6	1
2-Butanone	ND		ug/kg	15	1.0	1
Vinyl acetate	ND		ug/kg	15	0.23	1
4-Methyl-2-pentanone	ND		ug/kg	15	0.37	1
1,2,3-Trichloropropane	ND		ug/kg	15	0.27	1
2-Hexanone	ND		ug/kg	15	1.0	1
Bromochloromethane	ND		ug/kg	7.5	0.54	1
2,2-Dichloropropane	ND		ug/kg	7.5	0.68	1
1,2-Dibromoethane	ND		ug/kg	6.0	0.30	1
1,3-Dichloropropane	ND		ug/kg	7.5	0.28	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.5	0.48	1
Bromobenzene	ND		ug/kg	7.5	0.33	1
n-Butylbenzene	ND		ug/kg	1.5	0.34	1
sec-Butylbenzene	ND		ug/kg	1.5	0.33	1
tert-Butylbenzene	ND		ug/kg	7.5	0.37	1
o-Chlorotoluene	ND		ug/kg	7.5	0.33	1
p-Chlorotoluene	ND		ug/kg	7.5	0.28	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	7.5	0.60	1
Hexachlorobutadiene	ND		ug/kg	7.5	0.52	1
Isopropylbenzene	ND		ug/kg	1.5	0.29	1
p-Isopropyltoluene	ND		ug/kg	1.5	0.30	1
Naphthalene	ND		ug/kg	7.5	0.21	1
Acrylonitrile	ND		ug/kg	15	0.77	1

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815425
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815425-11
Client ID: SB-9 1'
Sample Location: EAST HARLEM, NY
Date Collected: 05/01/18 09:05
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.5	0.32	1
1,2,3-Trichlorobenzene	ND		ug/kg	7.5	0.38	1
1,2,4-Trichlorobenzene	ND		ug/kg	7.5	0.32	1
1,3,5-Trimethylbenzene	ND		ug/kg	7.5	0.24	1
1,2,4-Trimethylbenzene	ND		ug/kg	7.5	0.28	1
1,4-Dioxane	ND		ug/kg	60	22.	1
p-Diethylbenzene	ND		ug/kg	6.0	6.0	1
p-Ethyltoluene	ND		ug/kg	6.0	0.35	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	6.0	0.24	1
Ethyl ether	ND		ug/kg	7.5	0.39	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	7.5	0.59	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	113		70-130
4-Bromofluorobenzene	112		70-130
Dibromofluoromethane	99		70-130

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815425
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815425-12
Client ID: SB-1 1'
Sample Location: EAST HARLEM, NY
Date Collected: 05/01/18 10:00
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 05/03/18 19:58
Analyst: AD
Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	15	2.5	1
1,1-Dichloroethane	ND		ug/kg	2.3	0.41	1
Chloroform	ND		ug/kg	2.3	0.56	1
Carbon tetrachloride	ND		ug/kg	1.5	0.52	1
1,2-Dichloropropane	ND		ug/kg	5.3	0.34	1
Dibromochloromethane	ND		ug/kg	1.5	0.27	1
1,1,2-Trichloroethane	ND		ug/kg	2.3	0.47	1
Tetrachloroethene	ND		ug/kg	1.5	0.46	1
Chlorobenzene	ND		ug/kg	1.5	0.52	1
Trichlorofluoromethane	ND		ug/kg	7.6	0.63	1
1,2-Dichloroethane	ND		ug/kg	1.5	0.37	1
1,1,1-Trichloroethane	ND		ug/kg	1.5	0.53	1
Bromodichloromethane	ND		ug/kg	1.5	0.46	1
trans-1,3-Dichloropropene	ND		ug/kg	1.5	0.31	1
cis-1,3-Dichloropropene	ND		ug/kg	1.5	0.35	1
1,3-Dichloropropene, Total	ND		ug/kg	1.5	0.31	1
1,1-Dichloropropene	ND		ug/kg	7.6	0.50	1
Bromoform	ND		ug/kg	6.0	0.36	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.5	0.45	1
Benzene	ND		ug/kg	1.5	0.29	1
Toluene	ND		ug/kg	2.3	0.29	1
Ethylbenzene	ND		ug/kg	1.5	0.26	1
Chloromethane	ND		ug/kg	7.6	0.66	1
Bromomethane	ND		ug/kg	3.0	0.51	1
Vinyl chloride	ND		ug/kg	3.0	0.48	1
Chloroethane	ND		ug/kg	3.0	0.48	1
1,1-Dichloroethene	ND		ug/kg	1.5	0.56	1
trans-1,2-Dichloroethene	ND		ug/kg	2.3	0.36	1

Project Name: SENDERO VERDE **Lab Number:** L1815425

Project Number: 2984.0001Y000 **Report Date:** 05/07/18

SAMPLE RESULTS

Lab ID: L1815425-12 Date Collected: 05/01/18 10:00

Client ID: SB-1 1' Date Received: 05/01/18

Sample Location: EAST HARLEM, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	1.5	0.46	1
1,2-Dichlorobenzene	ND		ug/kg	7.6	0.28	1
1,3-Dichlorobenzene	ND		ug/kg	7.6	0.33	1
1,4-Dichlorobenzene	ND		ug/kg	7.6	0.28	1
Methyl tert butyl ether	ND		ug/kg	3.0	0.23	1
p/m-Xylene	ND		ug/kg	3.0	0.53	1
o-Xylene	ND		ug/kg	3.0	0.51	1
Xylenes, Total	ND		ug/kg	3.0	0.51	1
cis-1,2-Dichloroethene	ND		ug/kg	1.5	0.52	1
1,2-Dichloroethene, Total	ND		ug/kg	1.5	0.36	1
Dibromomethane	ND		ug/kg	15	0.36	1
Styrene	ND		ug/kg	3.0	0.61	1
Dichlorodifluoromethane	ND		ug/kg	15	0.76	1
Acetone	ND		ug/kg	15	3.5	1
Carbon disulfide	ND		ug/kg	15	1.7	1
2-Butanone	ND		ug/kg	15	1.0	1
Vinyl acetate	ND		ug/kg	15	0.23	1
4-Methyl-2-pentanone	ND		ug/kg	15	0.37	1
1,2,3-Trichloropropane	ND		ug/kg	15	0.27	1
2-Hexanone	ND		ug/kg	15	1.0	1
Bromochloromethane	ND		ug/kg	7.6	0.54	1
2,2-Dichloropropane	ND		ug/kg	7.6	0.68	1
1,2-Dibromoethane	ND		ug/kg	6.0	0.30	1
1,3-Dichloropropane	ND		ug/kg	7.6	0.28	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.5	0.48	1
Bromobenzene	ND		ug/kg	7.6	0.33	1
n-Butylbenzene	ND		ug/kg	1.5	0.34	1
sec-Butylbenzene	ND		ug/kg	1.5	0.33	1
tert-Butylbenzene	ND		ug/kg	7.6	0.37	1
o-Chlorotoluene	ND		ug/kg	7.6	0.33	1
p-Chlorotoluene	ND		ug/kg	7.6	0.28	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	7.6	0.60	1
Hexachlorobutadiene	ND		ug/kg	7.6	0.52	1
Isopropylbenzene	ND		ug/kg	1.5	0.29	1
p-Isopropyltoluene	ND		ug/kg	1.5	0.30	1
Naphthalene	ND		ug/kg	7.6	0.21	1
Acrylonitrile	ND		ug/kg	15	0.78	1

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815425
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815425-12
Client ID: SB-1 1'
Sample Location: EAST HARLEM, NY
Date Collected: 05/01/18 10:00
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.5	0.32	1
1,2,3-Trichlorobenzene	ND		ug/kg	7.6	0.38	1
1,2,4-Trichlorobenzene	ND		ug/kg	7.6	0.32	1
1,3,5-Trimethylbenzene	ND		ug/kg	7.6	0.24	1
1,2,4-Trimethylbenzene	ND		ug/kg	7.6	0.28	1
1,4-Dioxane	ND		ug/kg	60	22.	1
p-Diethylbenzene	ND		ug/kg	6.0	6.0	1
p-Ethyltoluene	ND		ug/kg	6.0	0.35	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	6.0	0.24	1
Ethyl ether	ND		ug/kg	7.6	0.39	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	7.6	0.59	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	115		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	99		70-130

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815425
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815425-13
Client ID: SB-11 1'
Sample Location: EAST HARLEM, NY

Date Collected: 05/01/18 10:45
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 05/03/18 23:51
Analyst: NLK
Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	22	3.6	1
1,1-Dichloroethane	ND		ug/kg	3.3	0.59	1
Chloroform	ND		ug/kg	3.3	0.81	1
Carbon tetrachloride	ND		ug/kg	2.2	0.75	1
1,2-Dichloropropane	ND		ug/kg	7.6	0.50	1
Dibromochloromethane	ND		ug/kg	2.2	0.38	1
1,1,2-Trichloroethane	ND		ug/kg	3.3	0.68	1
Tetrachloroethene	ND		ug/kg	2.2	0.66	1
Chlorobenzene	ND		ug/kg	2.2	0.76	1
Trichlorofluoromethane	ND		ug/kg	11	0.91	1
1,2-Dichloroethane	ND		ug/kg	2.2	0.54	1
1,1,1-Trichloroethane	ND		ug/kg	2.2	0.76	1
Bromodichloromethane	ND		ug/kg	2.2	0.67	1
trans-1,3-Dichloropropene	ND		ug/kg	2.2	0.45	1
cis-1,3-Dichloropropene	ND		ug/kg	2.2	0.50	1
1,3-Dichloropropene, Total	ND		ug/kg	2.2	0.45	1
1,1-Dichloropropene	ND		ug/kg	11	0.72	1
Bromoform	ND		ug/kg	8.7	0.52	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.2	0.65	1
Benzene	ND		ug/kg	2.2	0.42	1
Toluene	ND		ug/kg	3.3	0.42	1
Ethylbenzene	ND		ug/kg	2.2	0.37	1
Chloromethane	ND		ug/kg	11	0.95	1
Bromomethane	ND		ug/kg	4.4	0.74	1
Vinyl chloride	ND		ug/kg	4.4	0.69	1
Chloroethane	ND		ug/kg	4.4	0.69	1
1,1-Dichloroethene	ND		ug/kg	2.2	0.81	1
trans-1,2-Dichloroethene	ND		ug/kg	3.3	0.52	1

Project Name: SENDERO VERDE **Lab Number:** L1815425

Project Number: 2984.0001Y000 **Report Date:** 05/07/18

SAMPLE RESULTS

Lab ID: L1815425-13 Date Collected: 05/01/18 10:45

Client ID: SB-11 1' Date Received: 05/01/18

Sample Location: EAST HARLEM, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	2.2	0.66	1
1,2-Dichlorobenzene	ND		ug/kg	11	0.40	1
1,3-Dichlorobenzene	ND		ug/kg	11	0.48	1
1,4-Dichlorobenzene	ND		ug/kg	11	0.40	1
Methyl tert butyl ether	ND		ug/kg	4.4	0.33	1
p/m-Xylene	ND		ug/kg	4.4	0.76	1
o-Xylene	ND		ug/kg	4.4	0.74	1
Xylenes, Total	ND		ug/kg	4.4	0.74	1
cis-1,2-Dichloroethene	ND		ug/kg	2.2	0.74	1
1,2-Dichloroethene, Total	ND		ug/kg	2.2	0.52	1
Dibromomethane	ND		ug/kg	22	0.52	1
Styrene	ND		ug/kg	4.4	0.87	1
Dichlorodifluoromethane	ND		ug/kg	22	1.1	1
Acetone	18	J	ug/kg	22	5.0	1
Carbon disulfide	ND		ug/kg	22	2.4	1
2-Butanone	ND		ug/kg	22	1.5	1
Vinyl acetate	ND		ug/kg	22	0.33	1
4-Methyl-2-pentanone	ND		ug/kg	22	0.53	1
1,2,3-Trichloropropane	ND		ug/kg	22	0.38	1
2-Hexanone	ND		ug/kg	22	1.4	1
Bromochloromethane	ND		ug/kg	11	0.78	1
2,2-Dichloropropane	ND		ug/kg	11	0.98	1
1,2-Dibromoethane	ND		ug/kg	8.7	0.43	1
1,3-Dichloropropane	ND		ug/kg	11	0.40	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.2	0.69	1
Bromobenzene	ND		ug/kg	11	0.48	1
n-Butylbenzene	ND		ug/kg	2.2	0.50	1
sec-Butylbenzene	ND		ug/kg	2.2	0.47	1
tert-Butylbenzene	ND		ug/kg	11	0.54	1
o-Chlorotoluene	ND		ug/kg	11	0.48	1
p-Chlorotoluene	ND		ug/kg	11	0.40	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	11	0.86	1
Hexachlorobutadiene	ND		ug/kg	11	0.76	1
Isopropylbenzene	ND		ug/kg	2.2	0.42	1
p-Isopropyltoluene	ND		ug/kg	2.2	0.44	1
Naphthalene	ND		ug/kg	11	0.30	1
Acrylonitrile	ND		ug/kg	22	1.1	1

Project Name: SENDERO VERDE **Lab Number:** L1815425

Project Number: 2984.0001Y000 **Report Date:** 05/07/18

SAMPLE RESULTS

Lab ID: L1815425-13 Date Collected: 05/01/18 10:45

Client ID: SB-11 1' Date Received: 05/01/18

Sample Location: EAST HARLEM, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
n-Propylbenzene	ND		ug/kg	2.2	0.47	1
1,2,3-Trichlorobenzene	ND		ug/kg	11	0.55	1
1,2,4-Trichlorobenzene	ND		ug/kg	11	0.47	1
1,3,5-Trimethylbenzene	ND		ug/kg	11	0.35	1
1,2,4-Trimethylbenzene	ND		ug/kg	11	0.40	1
1,4-Dioxane	ND		ug/kg	87	31.	1
p-Diethylbenzene	ND		ug/kg	8.7	8.7	1
p-Ethyltoluene	ND		ug/kg	8.7	0.51	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	8.7	0.34	1
Ethyl ether	ND		ug/kg	11	0.57	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	11	0.85	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	74		70-130
Dibromofluoromethane	118		70-130

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815425
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815425-14
Client ID: SB-3 18'
Sample Location: EAST HARLEM, NY
Date Collected: 05/01/18 11:30
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 05/03/18 20:53
Analyst: AD
Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	10	1.7	1
1,1-Dichloroethane	ND		ug/kg	1.5	0.28	1
Chloroform	2.8		ug/kg	1.5	0.38	1
Carbon tetrachloride	ND		ug/kg	1.0	0.35	1
1,2-Dichloropropane	ND		ug/kg	3.6	0.23	1
Dibromochloromethane	ND		ug/kg	1.0	0.18	1
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.32	1
Tetrachloroethene	ND		ug/kg	1.0	0.31	1
Chlorobenzene	ND		ug/kg	1.0	0.36	1
Trichlorofluoromethane	ND		ug/kg	5.1	0.43	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.25	1
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.36	1
Bromodichloromethane	ND		ug/kg	1.0	0.32	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.21	1
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.24	1
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.21	1
1,1-Dichloropropene	ND		ug/kg	5.1	0.34	1
Bromoform	ND		ug/kg	4.1	0.24	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.30	1
Benzene	ND		ug/kg	1.0	0.20	1
Toluene	ND		ug/kg	1.5	0.20	1
Ethylbenzene	ND		ug/kg	1.0	0.17	1
Chloromethane	ND		ug/kg	5.1	0.45	1
Bromomethane	ND		ug/kg	2.0	0.35	1
Vinyl chloride	ND		ug/kg	2.0	0.32	1
Chloroethane	ND		ug/kg	2.0	0.32	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.38	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.25	1

Project Name: SENDERO VERDE **Lab Number:** L1815425

Project Number: 2984.0001Y000 **Report Date:** 05/07/18

SAMPLE RESULTS

Lab ID: L1815425-14 Date Collected: 05/01/18 11:30

Client ID: SB-3 18' Date Received: 05/01/18

Sample Location: EAST HARLEM, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	1.0	0.31	1
1,2-Dichlorobenzene	ND		ug/kg	5.1	0.19	1
1,3-Dichlorobenzene	ND		ug/kg	5.1	0.22	1
1,4-Dichlorobenzene	ND		ug/kg	5.1	0.19	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.16	1
p/m-Xylene	ND		ug/kg	2.0	0.36	1
o-Xylene	ND		ug/kg	2.0	0.35	1
Xylenes, Total	ND		ug/kg	2.0	0.35	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.35	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.25	1
Dibromomethane	ND		ug/kg	10	0.24	1
Styrene	ND		ug/kg	2.0	0.41	1
Dichlorodifluoromethane	ND		ug/kg	10	0.51	1
Acetone	6.2	J	ug/kg	10	2.3	1
Carbon disulfide	ND		ug/kg	10	1.1	1
2-Butanone	ND		ug/kg	10	0.71	1
Vinyl acetate	ND		ug/kg	10	0.16	1
4-Methyl-2-pentanone	ND		ug/kg	10	0.25	1
1,2,3-Trichloropropane	ND		ug/kg	10	0.18	1
2-Hexanone	ND		ug/kg	10	0.68	1
Bromochloromethane	ND		ug/kg	5.1	0.36	1
2,2-Dichloropropane	ND		ug/kg	5.1	0.46	1
1,2-Dibromoethane	ND		ug/kg	4.1	0.20	1
1,3-Dichloropropane	ND		ug/kg	5.1	0.19	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32	1
Bromobenzene	ND		ug/kg	5.1	0.22	1
n-Butylbenzene	ND		ug/kg	1.0	0.23	1
sec-Butylbenzene	ND		ug/kg	1.0	0.22	1
tert-Butylbenzene	ND		ug/kg	5.1	0.25	1
o-Chlorotoluene	ND		ug/kg	5.1	0.23	1
p-Chlorotoluene	ND		ug/kg	5.1	0.19	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.1	0.40	1
Hexachlorobutadiene	ND		ug/kg	5.1	0.36	1
Isopropylbenzene	ND		ug/kg	1.0	0.20	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.21	1
Naphthalene	ND		ug/kg	5.1	0.14	1
Acrylonitrile	ND		ug/kg	10	0.53	1

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815425
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815425-14
Client ID: SB-3 18'
Sample Location: EAST HARLEM, NY
Date Collected: 05/01/18 11:30
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.0	0.22	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.1	0.26	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.1	0.22	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.1	0.16	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.1	0.19	1
1,4-Dioxane	ND		ug/kg	41	15.	1
p-Diethylbenzene	ND		ug/kg	4.1	4.1	1
p-Ethyltoluene	ND		ug/kg	4.1	0.24	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.1	0.16	1
Ethyl ether	ND		ug/kg	5.1	0.27	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.1	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	109		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	98		70-130

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815425
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815425-15
Client ID: SB-10 16'
Sample Location: EAST HARLEM, NY

Date Collected: 05/01/18 12:45
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 05/03/18 21:20
Analyst: AD
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	11	1.9	1
1,1-Dichloroethane	ND		ug/kg	1.7	0.31	1
Chloroform	1.7		ug/kg	1.7	0.42	1
Carbon tetrachloride	ND		ug/kg	1.1	0.39	1
1,2-Dichloropropane	ND		ug/kg	4.0	0.26	1
Dibromochloromethane	ND		ug/kg	1.1	0.20	1
1,1,2-Trichloroethane	ND		ug/kg	1.7	0.36	1
Tetrachloroethene	ND		ug/kg	1.1	0.34	1
Chlorobenzene	ND		ug/kg	1.1	0.40	1
Trichlorofluoromethane	ND		ug/kg	5.7	0.47	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.28	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.40	1
Bromodichloromethane	ND		ug/kg	1.1	0.35	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.24	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	0.26	1
1,3-Dichloropropene, Total	ND		ug/kg	1.1	0.24	1
1,1-Dichloropropene	ND		ug/kg	5.7	0.37	1
Bromoform	ND		ug/kg	4.5	0.27	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	0.34	1
Benzene	ND		ug/kg	1.1	0.22	1
Toluene	ND		ug/kg	1.7	0.22	1
Ethylbenzene	ND		ug/kg	1.1	0.19	1
Chloromethane	ND		ug/kg	5.7	0.50	1
Bromomethane	ND		ug/kg	2.3	0.38	1
Vinyl chloride	ND		ug/kg	2.3	0.36	1
Chloroethane	ND		ug/kg	2.3	0.36	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.42	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.27	1

Project Name: SENDERO VERDE **Lab Number:** L1815425

Project Number: 2984.0001Y000 **Report Date:** 05/07/18

SAMPLE RESULTS

Lab ID: L1815425-15 Date Collected: 05/01/18 12:45

Client ID: SB-10 16' Date Received: 05/01/18

Sample Location: EAST HARLEM, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	1.1	0.34	1
1,2-Dichlorobenzene	ND		ug/kg	5.7	0.21	1
1,3-Dichlorobenzene	ND		ug/kg	5.7	0.25	1
1,4-Dichlorobenzene	ND		ug/kg	5.7	0.21	1
Methyl tert butyl ether	ND		ug/kg	2.3	0.17	1
p/m-Xylene	ND		ug/kg	2.3	0.40	1
o-Xylene	ND		ug/kg	2.3	0.38	1
Xylenes, Total	ND		ug/kg	2.3	0.38	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.39	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.27	1
Dibromomethane	ND		ug/kg	11	0.27	1
Styrene	ND		ug/kg	2.3	0.46	1
Dichlorodifluoromethane	ND		ug/kg	11	0.57	1
Acetone	25		ug/kg	11	2.6	1
Carbon disulfide	ND		ug/kg	11	1.2	1
2-Butanone	ND		ug/kg	11	0.78	1
Vinyl acetate	ND		ug/kg	11	0.17	1
4-Methyl-2-pentanone	ND		ug/kg	11	0.28	1
1,2,3-Trichloropropane	ND		ug/kg	11	0.20	1
2-Hexanone	ND		ug/kg	11	0.76	1
Bromochloromethane	ND		ug/kg	5.7	0.40	1
2,2-Dichloropropane	ND		ug/kg	5.7	0.51	1
1,2-Dibromoethane	ND		ug/kg	4.5	0.23	1
1,3-Dichloropropane	ND		ug/kg	5.7	0.21	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.1	0.36	1
Bromobenzene	ND		ug/kg	5.7	0.25	1
n-Butylbenzene	ND		ug/kg	1.1	0.26	1
sec-Butylbenzene	ND		ug/kg	1.1	0.25	1
tert-Butylbenzene	ND		ug/kg	5.7	0.28	1
o-Chlorotoluene	ND		ug/kg	5.7	0.25	1
p-Chlorotoluene	ND		ug/kg	5.7	0.21	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.7	0.45	1
Hexachlorobutadiene	ND		ug/kg	5.7	0.40	1
Isopropylbenzene	ND		ug/kg	1.1	0.22	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.23	1
Naphthalene	ND		ug/kg	5.7	0.16	1
Acrylonitrile	ND		ug/kg	11	0.58	1

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815425
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815425-15
Client ID: SB-10 16'
Sample Location: EAST HARLEM, NY
Date Collected: 05/01/18 12:45
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.1	0.24	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.7	0.28	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.7	0.24	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.7	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.7	0.21	1
1,4-Dioxane	ND		ug/kg	45	16.	1
p-Diethylbenzene	ND		ug/kg	4.5	4.5	1
p-Ethyltoluene	ND		ug/kg	4.5	0.26	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.5	0.18	1
Ethyl ether	ND		ug/kg	5.7	0.30	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.7	0.44	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	109		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	97		70-130

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815425
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815425-16
Client ID: SB-4 12.5'
Sample Location: EAST HARLEM, NY
Date Collected: 05/01/18 14:30
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 05/03/18 21:48
Analyst: AD
Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	12	2.0	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.33	1
Chloroform	ND		ug/kg	1.8	0.45	1
Carbon tetrachloride	ND		ug/kg	1.2	0.42	1
1,2-Dichloropropane	ND		ug/kg	4.3	0.28	1
Dibromochloromethane	ND		ug/kg	1.2	0.22	1
1,1,2-Trichloroethane	ND		ug/kg	1.8	0.38	1
Tetrachloroethene	ND		ug/kg	1.2	0.37	1
Chlorobenzene	ND		ug/kg	1.2	0.42	1
Trichlorofluoromethane	ND		ug/kg	6.1	0.51	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.30	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.43	1
Bromodichloromethane	ND		ug/kg	1.2	0.38	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.25	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.28	1
1,3-Dichloropropene, Total	ND		ug/kg	1.2	0.25	1
1,1-Dichloropropene	ND		ug/kg	6.1	0.40	1
Bromoform	ND		ug/kg	4.9	0.29	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.36	1
Benzene	ND		ug/kg	1.2	0.24	1
Toluene	ND		ug/kg	1.8	0.24	1
Ethylbenzene	ND		ug/kg	1.2	0.21	1
Chloromethane	ND		ug/kg	6.1	0.53	1
Bromomethane	ND		ug/kg	2.4	0.41	1
Vinyl chloride	ND		ug/kg	2.4	0.38	1
Chloroethane	ND		ug/kg	2.4	0.39	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.45	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.29	1

Project Name: SENDERO VERDE **Lab Number:** L1815425

Project Number: 2984.0001Y000 **Report Date:** 05/07/18

SAMPLE RESULTS

Lab ID: L1815425-16 Date Collected: 05/01/18 14:30

Client ID: SB-4 12.5' Date Received: 05/01/18

Sample Location: EAST HARLEM, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	1.2	0.37	1
1,2-Dichlorobenzene	ND		ug/kg	6.1	0.22	1
1,3-Dichlorobenzene	ND		ug/kg	6.1	0.27	1
1,4-Dichlorobenzene	ND		ug/kg	6.1	0.22	1
Methyl tert butyl ether	ND		ug/kg	2.4	0.19	1
p/m-Xylene	ND		ug/kg	2.4	0.43	1
o-Xylene	ND		ug/kg	2.4	0.41	1
Xylenes, Total	ND		ug/kg	2.4	0.41	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.42	1
1,2-Dichloroethene, Total	ND		ug/kg	1.2	0.29	1
Dibromomethane	ND		ug/kg	12	0.29	1
Styrene	ND		ug/kg	2.4	0.49	1
Dichlorodifluoromethane	ND		ug/kg	12	0.61	1
Acetone	12		ug/kg	12	2.8	1
Carbon disulfide	ND		ug/kg	12	1.3	1
2-Butanone	ND		ug/kg	12	0.84	1
Vinyl acetate	ND		ug/kg	12	0.19	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.30	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.22	1
2-Hexanone	ND		ug/kg	12	0.81	1
Bromochloromethane	ND		ug/kg	6.1	0.44	1
2,2-Dichloropropane	ND		ug/kg	6.1	0.55	1
1,2-Dibromoethane	ND		ug/kg	4.9	0.24	1
1,3-Dichloropropane	ND		ug/kg	6.1	0.22	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.39	1
Bromobenzene	ND		ug/kg	6.1	0.27	1
n-Butylbenzene	ND		ug/kg	1.2	0.28	1
sec-Butylbenzene	ND		ug/kg	1.2	0.26	1
tert-Butylbenzene	ND		ug/kg	6.1	0.30	1
o-Chlorotoluene	ND		ug/kg	6.1	0.27	1
p-Chlorotoluene	ND		ug/kg	6.1	0.22	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.1	0.48	1
Hexachlorobutadiene	ND		ug/kg	6.1	0.42	1
Isopropylbenzene	ND		ug/kg	1.2	0.24	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.25	1
Naphthalene	ND		ug/kg	6.1	0.17	1
Acrylonitrile	ND		ug/kg	12	0.63	1

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815425
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815425-16
Client ID: SB-4 12.5'
Sample Location: EAST HARLEM, NY
Date Collected: 05/01/18 14:30
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.2	0.26	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.1	0.31	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.1	0.26	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.1	0.20	1
1,2,4-Trimethylbenzene	ND		ug/kg	6.1	0.23	1
1,4-Dioxane	ND		ug/kg	49	18.	1
p-Diethylbenzene	ND		ug/kg	4.9	4.9	1
p-Ethyltoluene	ND		ug/kg	4.9	0.29	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.9	0.19	1
Ethyl ether	ND		ug/kg	6.1	0.32	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.1	0.48	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	110		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	98		70-130

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815425
Report Date: 05/07/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/03/18 12:36
Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01,03-04,06-09,11-12,14-16 Batch: WG1112378-5					
Methylene chloride	ND		ug/kg	10	1.6
1,1-Dichloroethane	ND		ug/kg	1.5	0.27
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.34
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.18
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.31
Tetrachloroethene	ND		ug/kg	1.0	0.30
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.42
1,2-Dichloroethane	ND		ug/kg	1.0	0.25
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.35
Bromodichloromethane	ND		ug/kg	1.0	0.31
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.21
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.23
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.21
1,1-Dichloropropene	ND		ug/kg	5.0	0.33
Bromoform	ND		ug/kg	4.0	0.24
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.30
Benzene	ND		ug/kg	1.0	0.19
Toluene	ND		ug/kg	1.5	0.20
Ethylbenzene	ND		ug/kg	1.0	0.17
Chloromethane	ND		ug/kg	5.0	0.44
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.32
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.37
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.24
Trichloroethene	ND		ug/kg	1.0	0.30

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815425
Report Date: 05/07/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/03/18 12:36
Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01,03-04,06-09,11-12,14-16 Batch: WG1112378-5					
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.22
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.18
Methyl tert butyl ether	ND		ug/kg	2.0	0.15
p/m-Xylene	ND		ug/kg	2.0	0.35
o-Xylene	ND		ug/kg	2.0	0.34
Xylenes, Total	ND		ug/kg	2.0	0.34
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.34
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.24
Dibromomethane	ND		ug/kg	10	0.24
Styrene	ND		ug/kg	2.0	0.40
Dichlorodifluoromethane	ND		ug/kg	10	0.50
Acetone	ND		ug/kg	10	2.3
Carbon disulfide	ND		ug/kg	10	1.1
2-Butanone	ND		ug/kg	10	0.69
Vinyl acetate	ND		ug/kg	10	0.15
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.18
2-Hexanone	ND		ug/kg	10	0.67
Bromochloromethane	ND		ug/kg	5.0	0.36
2,2-Dichloropropane	ND		ug/kg	5.0	0.45
1,2-Dibromoethane	ND		ug/kg	4.0	0.20
1,3-Dichloropropane	ND		ug/kg	5.0	0.18
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.22
n-Butylbenzene	ND		ug/kg	1.0	0.23
sec-Butylbenzene	ND		ug/kg	1.0	0.22
tert-Butylbenzene	ND		ug/kg	5.0	0.25
o-Chlorotoluene	ND		ug/kg	5.0	0.22

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815425
Report Date: 05/07/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/03/18 12:36
Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01,03-04,06-09,11-12,14-16 Batch: WG1112378-5					
p-Chlorotoluene	ND		ug/kg	5.0	0.18
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.40
Hexachlorobutadiene	ND		ug/kg	5.0	0.35
Isopropylbenzene	ND		ug/kg	1.0	0.19
p-Isopropyltoluene	ND		ug/kg	1.0	0.20
Naphthalene	0.24	J	ug/kg	5.0	0.14
Acrylonitrile	ND		ug/kg	10	0.51
n-Propylbenzene	ND		ug/kg	1.0	0.22
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.25
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.22
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.16
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.19
1,4-Dioxane	ND		ug/kg	40	14.
p-Diethylbenzene	ND		ug/kg	4.0	4.0
p-Ethyltoluene	ND		ug/kg	4.0	0.23
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.16
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.39

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	98		70-130

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815425
Report Date: 05/07/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/03/18 21:14
Analyst: KD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02,13 Batch: WG1112588-5					
Methylene chloride	ND		ug/kg	10	1.6
1,1-Dichloroethane	ND		ug/kg	1.5	0.27
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.34
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.18
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.31
Tetrachloroethene	ND		ug/kg	1.0	0.30
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.42
1,2-Dichloroethane	ND		ug/kg	1.0	0.25
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.35
Bromodichloromethane	ND		ug/kg	1.0	0.31
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.21
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.23
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.21
1,1-Dichloropropene	ND		ug/kg	5.0	0.33
Bromoform	ND		ug/kg	4.0	0.24
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.30
Benzene	ND		ug/kg	1.0	0.19
Toluene	ND		ug/kg	1.5	0.20
Ethylbenzene	ND		ug/kg	1.0	0.17
Chloromethane	ND		ug/kg	5.0	0.44
Bromomethane	1.4	J	ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.32
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.37
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.24
Trichloroethene	ND		ug/kg	1.0	0.30

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815425
Report Date: 05/07/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/03/18 21:14
Analyst: KD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02,13 Batch: WG1112588-5					
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.22
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.18
Methyl tert butyl ether	ND		ug/kg	2.0	0.15
p/m-Xylene	ND		ug/kg	2.0	0.35
o-Xylene	ND		ug/kg	2.0	0.34
Xylenes, Total	ND		ug/kg	2.0	0.34
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.34
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.24
Dibromomethane	ND		ug/kg	10	0.24
Styrene	ND		ug/kg	2.0	0.40
Dichlorodifluoromethane	ND		ug/kg	10	0.50
Acetone	ND		ug/kg	10	2.3
Carbon disulfide	ND		ug/kg	10	1.1
2-Butanone	ND		ug/kg	10	0.69
Vinyl acetate	ND		ug/kg	10	0.15
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.18
2-Hexanone	ND		ug/kg	10	0.67
Bromochloromethane	ND		ug/kg	5.0	0.36
2,2-Dichloropropane	ND		ug/kg	5.0	0.45
1,2-Dibromoethane	ND		ug/kg	4.0	0.20
1,3-Dichloropropane	ND		ug/kg	5.0	0.18
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.22
n-Butylbenzene	ND		ug/kg	1.0	0.23
sec-Butylbenzene	ND		ug/kg	1.0	0.22
tert-Butylbenzene	ND		ug/kg	5.0	0.25
o-Chlorotoluene	ND		ug/kg	5.0	0.22

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815425
Report Date: 05/07/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/03/18 21:14
Analyst: KD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02,13 Batch: WG1112588-5					
p-Chlorotoluene	ND		ug/kg	5.0	0.18
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.40
Hexachlorobutadiene	ND		ug/kg	5.0	0.35
Isopropylbenzene	ND		ug/kg	1.0	0.19
p-Isopropyltoluene	ND		ug/kg	1.0	0.20
Naphthalene	ND		ug/kg	5.0	0.14
Acrylonitrile	ND		ug/kg	10	0.51
n-Propylbenzene	ND		ug/kg	1.0	0.22
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.25
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.22
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.16
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.19
1,4-Dioxane	ND		ug/kg	40	14.
p-Diethylbenzene	ND		ug/kg	4.0	4.0
p-Ethyltoluene	ND		ug/kg	4.0	0.23
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.16
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.39

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	87		70-130
Dibromofluoromethane	104		70-130

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815425
Report Date: 05/07/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/04/18 08:32
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 05,10 Batch: WG1112692-5					
Methylene chloride	ND		ug/kg	10	1.6
1,1-Dichloroethane	ND		ug/kg	1.5	0.27
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.34
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.18
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.31
Tetrachloroethene	ND		ug/kg	1.0	0.30
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.42
1,2-Dichloroethane	ND		ug/kg	1.0	0.25
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.35
Bromodichloromethane	ND		ug/kg	1.0	0.31
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.21
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.23
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.21
1,1-Dichloropropene	ND		ug/kg	5.0	0.33
Bromoform	ND		ug/kg	4.0	0.24
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.30
Benzene	ND		ug/kg	1.0	0.19
Toluene	ND		ug/kg	1.5	0.20
Ethylbenzene	ND		ug/kg	1.0	0.17
Chloromethane	ND		ug/kg	5.0	0.44
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.32
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.37
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.24
Trichloroethene	ND		ug/kg	1.0	0.30

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815425
Report Date: 05/07/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/04/18 08:32
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 05,10 Batch: WG1112692-5					
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.22
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.18
Methyl tert butyl ether	ND		ug/kg	2.0	0.15
p/m-Xylene	ND		ug/kg	2.0	0.35
o-Xylene	ND		ug/kg	2.0	0.34
Xylenes, Total	ND		ug/kg	2.0	0.34
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.34
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.24
Dibromomethane	ND		ug/kg	10	0.24
Styrene	ND		ug/kg	2.0	0.40
Dichlorodifluoromethane	ND		ug/kg	10	0.50
Acetone	ND		ug/kg	10	2.3
Carbon disulfide	ND		ug/kg	10	1.1
2-Butanone	ND		ug/kg	10	0.69
Vinyl acetate	ND		ug/kg	10	0.15
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.18
2-Hexanone	ND		ug/kg	10	0.67
Bromochloromethane	ND		ug/kg	5.0	0.36
2,2-Dichloropropane	ND		ug/kg	5.0	0.45
1,2-Dibromoethane	ND		ug/kg	4.0	0.20
1,3-Dichloropropane	ND		ug/kg	5.0	0.18
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.22
n-Butylbenzene	ND		ug/kg	1.0	0.23
sec-Butylbenzene	ND		ug/kg	1.0	0.22
tert-Butylbenzene	ND		ug/kg	5.0	0.25
o-Chlorotoluene	ND		ug/kg	5.0	0.22

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815425
Report Date: 05/07/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/04/18 08:32
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 05,10 Batch: WG1112692-5					
p-Chlorotoluene	ND		ug/kg	5.0	0.18
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.40
Hexachlorobutadiene	ND		ug/kg	5.0	0.35
Isopropylbenzene	ND		ug/kg	1.0	0.19
p-Isopropyltoluene	ND		ug/kg	1.0	0.20
Naphthalene	ND		ug/kg	5.0	0.14
Acrylonitrile	ND		ug/kg	10	0.51
n-Propylbenzene	ND		ug/kg	1.0	0.22
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.25
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.22
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.16
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.19
1,4-Dioxane	ND		ug/kg	40	14.
p-Diethylbenzene	ND		ug/kg	4.0	4.0
p-Ethyltoluene	ND		ug/kg	4.0	0.23
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.16
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.39

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	109		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	98		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: SENDERO VERDE

Project Number: 2984.0001Y000

Lab Number: L1815425

Report Date: 05/07/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01,03-04,06-09,11-12,14-16 Batch: WG1112378-3 WG1112378-4								
Methylene chloride	92		88		70-130	4		30
1,1-Dichloroethane	100		98		70-130	2		30
Chloroform	97		95		70-130	2		30
Carbon tetrachloride	106		103		70-130	3		30
1,2-Dichloropropane	98		97		70-130	1		30
Dibromochloromethane	107		109		70-130	2		30
1,1,2-Trichloroethane	109		109		70-130	0		30
Tetrachloroethene	109		109		70-130	0		30
Chlorobenzene	107		106		70-130	1		30
Trichlorofluoromethane	112		108		70-139	4		30
1,2-Dichloroethane	92		91		70-130	1		30
1,1,1-Trichloroethane	104		102		70-130	2		30
Bromodichloromethane	97		96		70-130	1		30
trans-1,3-Dichloropropene	90		93		70-130	3		30
cis-1,3-Dichloropropene	100		100		70-130	0		30
1,1-Dichloropropene	108		104		70-130	4		30
Bromoform	92		94		70-130	2		30
1,1,2,2-Tetrachloroethane	104		105		70-130	1		30
Benzene	99		96		70-130	3		30
Toluene	110		108		70-130	2		30
Ethylbenzene	111		110		70-130	1		30
Chloromethane	95		86		52-130	10		30
Bromomethane	124		118		57-147	5		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SENDERO VERDE

Project Number: 2984.0001Y000

Lab Number: L1815425

Report Date: 05/07/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01,03-04,06-09,11-12,14-16 Batch: WG1112378-3 WG1112378-4								
Vinyl chloride	104		100		67-130	4		30
Chloroethane	106		98		50-151	8		30
1,1-Dichloroethene	125		120		65-135	4		30
trans-1,2-Dichloroethene	103		100		70-130	3		30
Trichloroethene	100		97		70-130	3		30
1,2-Dichlorobenzene	109		108		70-130	1		30
1,3-Dichlorobenzene	111		109		70-130	2		30
1,4-Dichlorobenzene	106		106		70-130	0		30
Methyl tert butyl ether	93		93		66-130	0		30
p/m-Xylene	108		107		70-130	1		30
o-Xylene	106		106		70-130	0		30
cis-1,2-Dichloroethene	99		97		70-130	2		30
Dibromomethane	98		96		70-130	2		30
Styrene	106		104		70-130	2		30
Dichlorodifluoromethane	108		104		30-146	4		30
Acetone	110		97		54-140	13		30
Carbon disulfide	126		117		59-130	7		30
2-Butanone	96		100		70-130	4		30
Vinyl acetate	79		80		70-130	1		30
4-Methyl-2-pentanone	89		90		70-130	1		30
1,2,3-Trichloropropane	103		102		68-130	1		30
2-Hexanone	88		91		70-130	3		30
Bromochloromethane	103		100		70-130	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SENDERO VERDE

Project Number: 2984.0001Y000

Lab Number: L1815425

Report Date: 05/07/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01,03-04,06-09,11-12,14-16 Batch: WG1112378-3 WG1112378-4								
2,2-Dichloropropane	104		103		70-130	1		30
1,2-Dibromoethane	110		112		70-130	2		30
1,3-Dichloropropane	105		106		69-130	1		30
1,1,1,2-Tetrachloroethane	110		111		70-130	1		30
Bromobenzene	110		108		70-130	2		30
n-Butylbenzene	118		115		70-130	3		30
sec-Butylbenzene	119		116		70-130	3		30
tert-Butylbenzene	119		116		70-130	3		30
o-Chlorotoluene	113		110		70-130	3		30
p-Chlorotoluene	112		110		70-130	2		30
1,2-Dibromo-3-chloropropane	92		94		68-130	2		30
Hexachlorobutadiene	116		113		67-130	3		30
Isopropylbenzene	118		115		70-130	3		30
p-Isopropyltoluene	121		117		70-130	3		30
Naphthalene	107		108		70-130	1		30
Acrylonitrile	84		86		70-130	2		30
n-Propylbenzene	117		114		70-130	3		30
1,2,3-Trichlorobenzene	108		108		70-130	0		30
1,2,4-Trichlorobenzene	111		110		70-130	1		30
1,3,5-Trimethylbenzene	115		112		70-130	3		30
1,2,4-Trimethylbenzene	117		115		70-130	2		30
1,4-Dioxane	85		87		65-136	2		30
p-Diethylbenzene	120		117		70-130	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SENDERO VERDE

Project Number: 2984.0001Y000

Lab Number: L1815425

Report Date: 05/07/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01,03-04,06-09,11-12,14-16 Batch: WG1112378-3 WG1112378-4								
p-Ethyltoluene	119		115		70-130	3		30
1,2,4,5-Tetramethylbenzene	118		116		70-130	2		30
Ethyl ether	98		96		67-130	2		30
trans-1,4-Dichloro-2-butene	95		95		70-130	0		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	98		96		70-130
Toluene-d8	105		107		70-130
4-Bromofluorobenzene	101		100		70-130
Dibromofluoromethane	96		96		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: SENDERO VERDE

Project Number: 2984.0001Y000

Lab Number: L1815425

Report Date: 05/07/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02,13 Batch: WG1112588-3 WG1112588-4								
Methylene chloride	92		92		70-130	0		30
1,1-Dichloroethane	91		90		70-130	1		30
Chloroform	85		84		70-130	1		30
Carbon tetrachloride	86		84		70-130	2		30
1,2-Dichloropropane	101		102		70-130	1		30
Dibromochloromethane	81		80		70-130	1		30
1,1,2-Trichloroethane	90		92		70-130	2		30
Tetrachloroethene	93		90		70-130	3		30
Chlorobenzene	86		85		70-130	1		30
Trichlorofluoromethane	90		88		70-139	2		30
1,2-Dichloroethane	80		79		70-130	1		30
1,1,1-Trichloroethane	80		78		70-130	3		30
Bromodichloromethane	87		87		70-130	0		30
trans-1,3-Dichloropropene	77		76		70-130	1		30
cis-1,3-Dichloropropene	94		93		70-130	1		30
1,1-Dichloropropene	87		85		70-130	2		30
Bromoform	82		84		70-130	2		30
1,1,2,2-Tetrachloroethane	92		95		70-130	3		30
Benzene	93		92		70-130	1		30
Toluene	87		84		70-130	4		30
Ethylbenzene	85		81		70-130	5		30
Chloromethane	107		104		52-130	3		30
Bromomethane	97		95		57-147	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SENDERO VERDE

Project Number: 2984.0001Y000

Lab Number: L1815425

Report Date: 05/07/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02,13 Batch: WG1112588-3 WG1112588-4								
Vinyl chloride	107		106		67-130	1		30
Chloroethane	96		92		50-151	4		30
1,1-Dichloroethene	86		84		65-135	2		30
trans-1,2-Dichloroethene	84		84		70-130	0		30
Trichloroethene	84		81		70-130	4		30
1,2-Dichlorobenzene	93		92		70-130	1		30
1,3-Dichlorobenzene	92		90		70-130	2		30
1,4-Dichlorobenzene	92		89		70-130	3		30
Methyl tert butyl ether	89		91		66-130	2		30
p/m-Xylene	94		90		70-130	4		30
o-Xylene	92		88		70-130	4		30
cis-1,2-Dichloroethene	86		85		70-130	1		30
Dibromomethane	89		92		70-130	3		30
Styrene	97		95		70-130	2		30
Dichlorodifluoromethane	86		84		30-146	2		30
Acetone	77		83		54-140	8		30
Carbon disulfide	93		92		59-130	1		30
2-Butanone	92		95		70-130	3		30
Vinyl acetate	108		104		70-130	4		30
4-Methyl-2-pentanone	85		88		70-130	3		30
1,2,3-Trichloropropane	85		87		68-130	2		30
2-Hexanone	76		80		70-130	5		30
Bromochloromethane	97		96		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SENDERO VERDE

Project Number: 2984.0001Y000

Lab Number: L1815425

Report Date: 05/07/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02,13 Batch: WG1112588-3 WG1112588-4								
2,2-Dichloropropane	83		82		70-130	1		30
1,2-Dibromoethane	89		89		70-130	0		30
1,3-Dichloropropane	89		89		69-130	0		30
1,1,1,2-Tetrachloroethane	87		85		70-130	2		30
Bromobenzene	85		83		70-130	2		30
n-Butylbenzene	87		84		70-130	4		30
sec-Butylbenzene	90		87		70-130	3		30
tert-Butylbenzene	82		80		70-130	2		30
o-Chlorotoluene	82		80		70-130	2		30
p-Chlorotoluene	83		79		70-130	5		30
1,2-Dibromo-3-chloropropane	87		90		68-130	3		30
Hexachlorobutadiene	82		79		67-130	4		30
Isopropylbenzene	86		83		70-130	4		30
p-Isopropyltoluene	84		80		70-130	5		30
Naphthalene	83		82		70-130	1		30
Acrylonitrile	109		106		70-130	3		30
n-Propylbenzene	84		81		70-130	4		30
1,2,3-Trichlorobenzene	94		92		70-130	2		30
1,2,4-Trichlorobenzene	91		88		70-130	3		30
1,3,5-Trimethylbenzene	88		85		70-130	3		30
1,2,4-Trimethylbenzene	90		87		70-130	3		30
1,4-Dioxane	123		129		65-136	5		30
p-Diethylbenzene	82		78		70-130	5		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SENDERO VERDE

Project Number: 2984.0001Y000

Lab Number: L1815425

Report Date: 05/07/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02,13 Batch: WG1112588-3 WG1112588-4								
p-Ethyltoluene	85		82		70-130	4		30
1,2,4,5-Tetramethylbenzene	79		76		70-130	4		30
Ethyl ether	106		108		67-130	2		30
trans-1,4-Dichloro-2-butene	87		87		70-130	0		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	91		93		70-130
Toluene-d8	94		93		70-130
4-Bromofluorobenzene	86		87		70-130
Dibromofluoromethane	104		105		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: SENDERO VERDE

Project Number: 2984.0001Y000

Lab Number: L1815425

Report Date: 05/07/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 05,10 Batch: WG1112692-3 WG1112692-4								
Methylene chloride	91		88		70-130	3		30
1,1-Dichloroethane	102		99		70-130	3		30
Chloroform	97		94		70-130	3		30
Carbon tetrachloride	104		103		70-130	1		30
1,2-Dichloropropane	99		98		70-130	1		30
Dibromochloromethane	112		112		70-130	0		30
1,1,2-Trichloroethane	116		114		70-130	2		30
Tetrachloroethene	116		112		70-130	4		30
Chlorobenzene	113		110		70-130	3		30
Trichlorofluoromethane	111		107		70-139	4		30
1,2-Dichloroethane	90		91		70-130	1		30
1,1,1-Trichloroethane	102		101		70-130	1		30
Bromodichloromethane	95		95		70-130	0		30
trans-1,3-Dichloropropene	95		95		70-130	0		30
cis-1,3-Dichloropropene	99		100		70-130	1		30
1,1-Dichloropropene	108		105		70-130	3		30
Bromoform	95		99		70-130	4		30
1,1,2,2-Tetrachloroethane	114		115		70-130	1		30
Benzene	100		98		70-130	2		30
Toluene	117		113		70-130	3		30
Ethylbenzene	118		114		70-130	3		30
Chloromethane	86		88		52-130	2		30
Bromomethane	115		108		57-147	6		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SENDERO VERDE

Project Number: 2984.0001Y000

Lab Number: L1815425

Report Date: 05/07/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 05,10 Batch: WG1112692-3 WG1112692-4								
Vinyl chloride	108		103		67-130	5		30
Chloroethane	102		103		50-151	1		30
1,1-Dichloroethene	122		107		65-135	13		30
trans-1,2-Dichloroethene	102		99		70-130	3		30
Trichloroethene	101		98		70-130	3		30
1,2-Dichlorobenzene	116		115		70-130	1		30
1,3-Dichlorobenzene	120		117		70-130	3		30
1,4-Dichlorobenzene	114		112		70-130	2		30
Methyl tert butyl ether	91		91		66-130	0		30
p/m-Xylene	116		112		70-130	4		30
o-Xylene	114		110		70-130	4		30
cis-1,2-Dichloroethene	98		96		70-130	2		30
Dibromomethane	96		96		70-130	0		30
Styrene	112		109		70-130	3		30
Dichlorodifluoromethane	109		104		30-146	5		30
Acetone	100		97		54-140	3		30
Carbon disulfide	121		97		59-130	22		30
2-Butanone	100		103		70-130	3		30
Vinyl acetate	79		80		70-130	1		30
4-Methyl-2-pentanone	94		92		70-130	2		30
1,2,3-Trichloropropane	111		113		68-130	2		30
2-Hexanone	91		91		70-130	0		30
Bromochloromethane	101		100		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815425
Report Date: 05/07/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 05,10 Batch: WG1112692-3 WG1112692-4								
2,2-Dichloropropane	102		103		70-130	1		30
1,2-Dibromoethane	115		114		70-130	1		30
1,3-Dichloropropane	113		111		69-130	2		30
1,1,1,2-Tetrachloroethane	115		114		70-130	1		30
Bromobenzene	116		115		70-130	1		30
n-Butylbenzene	130		126		70-130	3		30
sec-Butylbenzene	130		127		70-130	2		30
tert-Butylbenzene	128		125		70-130	2		30
o-Chlorotoluene	104		101		70-130	3		30
p-Chlorotoluene	120		118		70-130	2		30
1,2-Dibromo-3-chloropropane	96		98		68-130	2		30
Hexachlorobutadiene	124		123		67-130	1		30
Isopropylbenzene	127		124		70-130	2		30
p-Isopropyltoluene	130		127		70-130	2		30
Naphthalene	111		113		70-130	2		30
Acrylonitrile	89		88		70-130	1		30
n-Propylbenzene	128		124		70-130	3		30
1,2,3-Trichlorobenzene	114		115		70-130	1		30
1,2,4-Trichlorobenzene	117		117		70-130	0		30
1,3,5-Trimethylbenzene	124		122		70-130	2		30
1,2,4-Trimethylbenzene	126		124		70-130	2		30
1,4-Dioxane	88		88		65-136	0		30
p-Diethylbenzene	129		126		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SENDERO VERDE

Project Number: 2984.0001Y000

Lab Number: L1815425

Report Date: 05/07/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 05,10 Batch: WG1112692-3 WG1112692-4								
p-Ethyltoluene	127		124		70-130	2		30
1,2,4,5-Tetramethylbenzene	124		123		70-130	1		30
Ethyl ether	92		92		67-130	0		30
trans-1,4-Dichloro-2-butene	98		103		70-130	5		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	96		97		70-130
Toluene-d8	111		110		70-130
4-Bromofluorobenzene	99		101		70-130
Dibromofluoromethane	94		95		70-130

SEMIVOLATILES

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815425
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815425-01
Client ID: SB-10 (0-2)
Sample Location: EAST HARLEM, NY

Date Collected: 05/01/18 08:15
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 05/04/18 06:29
Analyst: SZ
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 05/02/18 08:55

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	60	J	ug/kg	150	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	22.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	26.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
1,2-Dichlorobenzene	ND		ug/kg	190	34.	1
1,3-Dichlorobenzene	ND		ug/kg	190	33.	1
1,4-Dichlorobenzene	ND		ug/kg	190	34.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	51.	1
2,4-Dinitrotoluene	ND		ug/kg	190	38.	1
2,6-Dinitrotoluene	ND		ug/kg	190	33.	1
Fluoranthene	3200		ug/kg	120	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	21.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	29.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	33.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	550	170	1
Hexachloroethane	ND		ug/kg	150	31.	1
Isophorone	ND		ug/kg	170	25.	1
Naphthalene	78	J	ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	30.	1
Bis(2-ethylhexyl)phthalate	630		ug/kg	190	67.	1
Butyl benzyl phthalate	6600		ug/kg	190	48.	1
Di-n-butylphthalate	120	J	ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	65.	1

Project Name: SENDERO VERDE **Lab Number:** L1815425

Project Number: 2984.0001Y000 **Report Date:** 05/07/18

SAMPLE RESULTS

Lab ID: L1815425-01 Date Collected: 05/01/18 08:15

Client ID: SB-10 (0-2) Date Received: 05/01/18

Sample Location: EAST HARLEM, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	190	18.	1
Dimethyl phthalate	ND		ug/kg	190	40.	1
Benzo(a)anthracene	1700		ug/kg	120	22.	1
Benzo(a)pyrene	1500		ug/kg	150	47.	1
Benzo(b)fluoranthene	2100		ug/kg	120	32.	1
Benzo(k)fluoranthene	770		ug/kg	120	31.	1
Chrysene	1800		ug/kg	120	20.	1
Acenaphthylene	480		ug/kg	150	30.	1
Anthracene	430		ug/kg	120	38.	1
Benzo(ghi)perylene	1100		ug/kg	150	23.	1
Fluorene	82	J	ug/kg	190	19.	1
Phenanthrene	1700		ug/kg	120	23.	1
Dibenzo(a,h)anthracene	280		ug/kg	120	22.	1
Indeno(1,2,3-cd)pyrene	1200		ug/kg	150	27.	1
Pyrene	2900		ug/kg	120	19.	1
Biphenyl	ND		ug/kg	440	45.	1
4-Chloroaniline	ND		ug/kg	190	35.	1
2-Nitroaniline	ND		ug/kg	190	37.	1
3-Nitroaniline	ND		ug/kg	190	36.	1
4-Nitroaniline	ND		ug/kg	190	80.	1
Dibenzofuran	70	J	ug/kg	190	18.	1
2-Methylnaphthalene	26	J	ug/kg	230	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	29.	1
2-Chlorophenol	ND		ug/kg	190	23.	1
2,4-Dichlorophenol	ND		ug/kg	170	31.	1
2,4-Dimethylphenol	ND		ug/kg	190	64.	1
2-Nitrophenol	ND		ug/kg	420	72.	1
4-Nitrophenol	ND		ug/kg	270	78.	1
2,4-Dinitrophenol	ND		ug/kg	920	90.	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	92.	1
Pentachlorophenol	ND		ug/kg	150	42.	1
Phenol	ND		ug/kg	190	29.	1
2-Methylphenol	ND		ug/kg	190	30.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	30.	1

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815425
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815425-01
Client ID: SB-10 (0-2)
Sample Location: EAST HARLEM, NY
Date Collected: 05/01/18 08:15
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	190	37.	1
Benzoic Acid	ND		ug/kg	620	190	1
Benzyl Alcohol	ND		ug/kg	190	59.	1
Carbazole	180	J	ug/kg	190	19.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	88		25-120
Phenol-d6	91		10-120
Nitrobenzene-d5	105		23-120
2-Fluorobiphenyl	70		30-120
2,4,6-Tribromophenol	103		10-136
4-Terphenyl-d14	61		18-120

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815425
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815425-02
Client ID: SB-2 (0-2)
Sample Location: EAST HARLEM, NY

Date Collected: 05/01/18 08:45
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 05/04/18 06:56
Analyst: SZ
Percent Solids: 65%

Extraction Method: EPA 3546
Extraction Date: 05/02/18 08:55

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	200	26.	1
1,2,4-Trichlorobenzene	ND		ug/kg	250	29.	1
Hexachlorobenzene	ND		ug/kg	150	28.	1
Bis(2-chloroethyl)ether	ND		ug/kg	230	34.	1
2-Chloronaphthalene	ND		ug/kg	250	25.	1
1,2-Dichlorobenzene	ND		ug/kg	250	46.	1
1,3-Dichlorobenzene	ND		ug/kg	250	44.	1
1,4-Dichlorobenzene	ND		ug/kg	250	44.	1
3,3'-Dichlorobenzidine	ND		ug/kg	250	68.	1
2,4-Dinitrotoluene	ND		ug/kg	250	51.	1
2,6-Dinitrotoluene	ND		ug/kg	250	44.	1
Fluoranthene	620		ug/kg	150	29.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	250	27.	1
4-Bromophenyl phenyl ether	ND		ug/kg	250	39.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	300	43.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	270	25.	1
Hexachlorobutadiene	ND		ug/kg	250	37.	1
Hexachlorocyclopentadiene	ND		ug/kg	730	230	1
Hexachloroethane	ND		ug/kg	200	41.	1
Isophorone	ND		ug/kg	230	33.	1
Naphthalene	ND		ug/kg	250	31.	1
Nitrobenzene	ND		ug/kg	230	38.	1
NDPA/DPA	ND		ug/kg	200	29.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	250	39.	1
Bis(2-ethylhexyl)phthalate	520		ug/kg	250	88.	1
Butyl benzyl phthalate	160	J	ug/kg	250	64.	1
Di-n-butylphthalate	90	J	ug/kg	250	48.	1
Di-n-octylphthalate	ND		ug/kg	250	86.	1

Project Name: SENDERO VERDE **Lab Number:** L1815425

Project Number: 2984.0001Y000 **Report Date:** 05/07/18

SAMPLE RESULTS

Lab ID: L1815425-02 Date Collected: 05/01/18 08:45

Client ID: SB-2 (0-2) Date Received: 05/01/18

Sample Location: EAST HARLEM, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	250	24.	1
Dimethyl phthalate	ND		ug/kg	250	53.	1
Benzo(a)anthracene	380		ug/kg	150	29.	1
Benzo(a)pyrene	370		ug/kg	200	62.	1
Benzo(b)fluoranthene	570		ug/kg	150	43.	1
Benzo(k)fluoranthene	190		ug/kg	150	41.	1
Chrysene	460		ug/kg	150	26.	1
Acenaphthylene	120	J	ug/kg	200	39.	1
Anthracene	93	J	ug/kg	150	50.	1
Benzo(ghi)perylene	270		ug/kg	200	30.	1
Fluorene	ND		ug/kg	250	25.	1
Phenanthrene	250		ug/kg	150	31.	1
Dibenzo(a,h)anthracene	64	J	ug/kg	150	29.	1
Indeno(1,2,3-cd)pyrene	270		ug/kg	200	35.	1
Pyrene	580		ug/kg	150	25.	1
Biphenyl	ND		ug/kg	580	59.	1
4-Chloroaniline	ND		ug/kg	250	46.	1
2-Nitroaniline	ND		ug/kg	250	49.	1
3-Nitroaniline	ND		ug/kg	250	48.	1
4-Nitroaniline	ND		ug/kg	250	100	1
Dibenzofuran	ND		ug/kg	250	24.	1
2-Methylnaphthalene	ND		ug/kg	300	31.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	250	26.	1
Acetophenone	76	J	ug/kg	250	31.	1
2,4,6-Trichlorophenol	ND		ug/kg	150	48.	1
p-Chloro-m-cresol	ND		ug/kg	250	38.	1
2-Chlorophenol	ND		ug/kg	250	30.	1
2,4-Dichlorophenol	ND		ug/kg	230	41.	1
2,4-Dimethylphenol	ND		ug/kg	250	84.	1
2-Nitrophenol	ND		ug/kg	550	96.	1
4-Nitrophenol	ND		ug/kg	360	100	1
2,4-Dinitrophenol	ND		ug/kg	1200	120	1
4,6-Dinitro-o-cresol	ND		ug/kg	660	120	1
Pentachlorophenol	ND		ug/kg	200	56.	1
Phenol	ND		ug/kg	250	38.	1
2-Methylphenol	ND		ug/kg	250	39.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	370	40.	1

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815425
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815425-02
Client ID: SB-2 (0-2)
Sample Location: EAST HARLEM, NY
Date Collected: 05/01/18 08:45
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	250	49.	1
Benzoic Acid	ND		ug/kg	820	260	1
Benzyl Alcohol	ND		ug/kg	250	78.	1
Carbazole	52	J	ug/kg	250	25.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	77		25-120
Phenol-d6	80		10-120
Nitrobenzene-d5	101		23-120
2-Fluorobiphenyl	69		30-120
2,4,6-Tribromophenol	103		10-136
4-Terphenyl-d14	53		18-120

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815425
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815425-03
Client ID: SB-9 (0-2)
Sample Location: EAST HARLEM, NY

Date Collected: 05/01/18 09:05
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 05/04/18 07:24
Analyst: SZ
Percent Solids: 79%

Extraction Method: EPA 3546
Extraction Date: 05/02/18 08:55

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	170	22.	1
1,2,4-Trichlorobenzene	ND		ug/kg	210	24.	1
Hexachlorobenzene	ND		ug/kg	120	23.	1
Bis(2-chloroethyl)ether	ND		ug/kg	190	28.	1
2-Chloronaphthalene	ND		ug/kg	210	21.	1
1,2-Dichlorobenzene	ND		ug/kg	210	37.	1
1,3-Dichlorobenzene	ND		ug/kg	210	36.	1
1,4-Dichlorobenzene	ND		ug/kg	210	36.	1
3,3'-Dichlorobenzidine	ND		ug/kg	210	55.	1
2,4-Dinitrotoluene	ND		ug/kg	210	42.	1
2,6-Dinitrotoluene	ND		ug/kg	210	36.	1
Fluoranthene	1400		ug/kg	120	24.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	210	22.	1
4-Bromophenyl phenyl ether	ND		ug/kg	210	32.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	250	36.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	21.	1
Hexachlorobutadiene	ND		ug/kg	210	30.	1
Hexachlorocyclopentadiene	ND		ug/kg	600	190	1
Hexachloroethane	ND		ug/kg	170	34.	1
Isophorone	ND		ug/kg	190	27.	1
Naphthalene	50	J	ug/kg	210	25.	1
Nitrobenzene	ND		ug/kg	190	31.	1
NDPA/DPA	ND		ug/kg	170	24.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	210	32.	1
Bis(2-ethylhexyl)phthalate	430		ug/kg	210	72.	1
Butyl benzyl phthalate	220		ug/kg	210	52.	1
Di-n-butylphthalate	60	J	ug/kg	210	40.	1
Di-n-octylphthalate	ND		ug/kg	210	71.	1

Project Name: SENDERO VERDE **Lab Number:** L1815425

Project Number: 2984.0001Y000 **Report Date:** 05/07/18

SAMPLE RESULTS

Lab ID: L1815425-03 Date Collected: 05/01/18 09:05

Client ID: SB-9 (0-2) Date Received: 05/01/18

Sample Location: EAST HARLEM, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	210	19.	1
Dimethyl phthalate	ND		ug/kg	210	44.	1
Benzo(a)anthracene	840		ug/kg	120	23.	1
Benzo(a)pyrene	980		ug/kg	170	51.	1
Benzo(b)fluoranthene	1500		ug/kg	120	35.	1
Benzo(k)fluoranthene	580		ug/kg	120	33.	1
Chrysene	1000		ug/kg	120	22.	1
Acenaphthylene	600		ug/kg	170	32.	1
Anthracene	250		ug/kg	120	41.	1
Benzo(ghi)perylene	780		ug/kg	170	24.	1
Fluorene	52	J	ug/kg	210	20.	1
Phenanthrene	670		ug/kg	120	25.	1
Dibenzo(a,h)anthracene	200		ug/kg	120	24.	1
Indeno(1,2,3-cd)pyrene	840		ug/kg	170	29.	1
Pyrene	1300		ug/kg	120	21.	1
Biphenyl	ND		ug/kg	480	48.	1
4-Chloroaniline	ND		ug/kg	210	38.	1
2-Nitroaniline	ND		ug/kg	210	40.	1
3-Nitroaniline	ND		ug/kg	210	39.	1
4-Nitroaniline	ND		ug/kg	210	86.	1
Dibenzofuran	28	J	ug/kg	210	20.	1
2-Methylnaphthalene	ND		ug/kg	250	25.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	210	22.	1
Acetophenone	26	J	ug/kg	210	26.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	40.	1
p-Chloro-m-cresol	ND		ug/kg	210	31.	1
2-Chlorophenol	ND		ug/kg	210	25.	1
2,4-Dichlorophenol	ND		ug/kg	190	34.	1
2,4-Dimethylphenol	ND		ug/kg	210	69.	1
2-Nitrophenol	ND		ug/kg	450	78.	1
4-Nitrophenol	ND		ug/kg	290	85.	1
2,4-Dinitrophenol	ND		ug/kg	1000	97.	1
4,6-Dinitro-o-cresol	ND		ug/kg	540	100	1
Pentachlorophenol	ND		ug/kg	170	46.	1
Phenol	32	J	ug/kg	210	31.	1
2-Methylphenol	ND		ug/kg	210	32.	1
3-Methylphenol/4-Methylphenol	72	J	ug/kg	300	33.	1

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815425
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815425-03
Client ID: SB-9 (0-2)
Sample Location: EAST HARLEM, NY
Date Collected: 05/01/18 09:05
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	210	40.	1
Benzoic Acid	ND		ug/kg	680	210	1
Benzyl Alcohol	ND		ug/kg	210	64.	1
Carbazole	220		ug/kg	210	20.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	62		25-120
Phenol-d6	67		10-120
Nitrobenzene-d5	74		23-120
2-Fluorobiphenyl	50		30-120
2,4,6-Tribromophenol	82		10-136
4-Terphenyl-d14	42		18-120

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815425
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815425-04
Client ID: SB-1 (0-2)
Sample Location: EAST HARLEM, NY

Date Collected: 05/01/18 10:00
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 05/04/18 07:52
Analyst: SZ
Percent Solids: 83%

Extraction Method: EPA 3546
Extraction Date: 05/02/18 08:55

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	100	J	ug/kg	160	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	23.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	27.	1
2-Chloronaphthalene	ND		ug/kg	200	20.	1
1,2-Dichlorobenzene	ND		ug/kg	200	36.	1
1,3-Dichlorobenzene	ND		ug/kg	200	34.	1
1,4-Dichlorobenzene	ND		ug/kg	200	35.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	53.	1
2,4-Dinitrotoluene	ND		ug/kg	200	40.	1
2,6-Dinitrotoluene	ND		ug/kg	200	34.	1
Fluoranthene	5100		ug/kg	120	23.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	21.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	30.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	34.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	20.	1
Hexachlorobutadiene	ND		ug/kg	200	29.	1
Hexachlorocyclopentadiene	ND		ug/kg	570	180	1
Hexachloroethane	ND		ug/kg	160	32.	1
Isophorone	ND		ug/kg	180	26.	1
Naphthalene	110	J	ug/kg	200	24.	1
Nitrobenzene	ND		ug/kg	180	29.	1
NDPA/DPA	ND		ug/kg	160	23.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	31.	1
Bis(2-ethylhexyl)phthalate	390		ug/kg	200	69.	1
Butyl benzyl phthalate	72	J	ug/kg	200	50.	1
Di-n-butylphthalate	ND		ug/kg	200	38.	1
Di-n-octylphthalate	ND		ug/kg	200	68.	1

Project Name: SENDERO VERDE **Lab Number:** L1815425

Project Number: 2984.0001Y000 **Report Date:** 05/07/18

SAMPLE RESULTS

Lab ID: L1815425-04 Date Collected: 05/01/18 10:00

Client ID: SB-1 (0-2) Date Received: 05/01/18

Sample Location: EAST HARLEM, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	200	18.	1
Dimethyl phthalate	ND		ug/kg	200	42.	1
Benzo(a)anthracene	3200		ug/kg	120	22.	1
Benzo(a)pyrene	2800		ug/kg	160	48.	1
Benzo(b)fluoranthene	4400		ug/kg	120	33.	1
Benzo(k)fluoranthene	1300		ug/kg	120	32.	1
Chrysene	3400		ug/kg	120	21.	1
Acenaphthylene	1300		ug/kg	160	31.	1
Anthracene	930		ug/kg	120	39.	1
Benzo(ghi)perylene	1600		ug/kg	160	23.	1
Fluorene	220		ug/kg	200	19.	1
Phenanthrene	3200		ug/kg	120	24.	1
Dibenzo(a,h)anthracene	500		ug/kg	120	23.	1
Indeno(1,2,3-cd)pyrene	2000		ug/kg	160	28.	1
Pyrene	4300		ug/kg	120	20.	1
Biphenyl	ND		ug/kg	450	46.	1
4-Chloroaniline	ND		ug/kg	200	36.	1
2-Nitroaniline	ND		ug/kg	200	38.	1
3-Nitroaniline	ND		ug/kg	200	37.	1
4-Nitroaniline	ND		ug/kg	200	82.	1
Dibenzofuran	140	J	ug/kg	200	19.	1
2-Methylnaphthalene	61	J	ug/kg	240	24.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	21.	1
Acetophenone	ND		ug/kg	200	25.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	38.	1
p-Chloro-m-cresol	ND		ug/kg	200	30.	1
2-Chlorophenol	ND		ug/kg	200	23.	1
2,4-Dichlorophenol	ND		ug/kg	180	32.	1
2,4-Dimethylphenol	ND		ug/kg	200	66.	1
2-Nitrophenol	ND		ug/kg	430	75.	1
4-Nitrophenol	ND		ug/kg	280	81.	1
2,4-Dinitrophenol	ND		ug/kg	950	93.	1
4,6-Dinitro-o-cresol	ND		ug/kg	520	95.	1
Pentachlorophenol	ND		ug/kg	160	44.	1
Phenol	54	J	ug/kg	200	30.	1
2-Methylphenol	ND		ug/kg	200	31.	1
3-Methylphenol/4-Methylphenol	80	J	ug/kg	290	31.	1

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815425
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815425-04
Client ID: SB-1 (0-2)
Sample Location: EAST HARLEM, NY
Date Collected: 05/01/18 10:00
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	200	38.	1
Benzoic Acid	ND		ug/kg	640	200	1
Benzyl Alcohol	ND		ug/kg	200	61.	1
Carbazole	470		ug/kg	200	19.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	87		25-120
Phenol-d6	89		10-120
Nitrobenzene-d5	102		23-120
2-Fluorobiphenyl	66		30-120
2,4,6-Tribromophenol	101		10-136
4-Terphenyl-d14	62		18-120

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815425
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815425-05
Client ID: SB-11 (0-2)
Sample Location: EAST HARLEM, NY

Date Collected: 05/01/18 10:45
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 05/04/18 08:19
Analyst: SZ
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 05/02/18 08:55

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	21.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	25.	1
2-Chloronaphthalene	ND		ug/kg	190	18.	1
1,2-Dichlorobenzene	ND		ug/kg	190	33.	1
1,3-Dichlorobenzene	ND		ug/kg	190	32.	1
1,4-Dichlorobenzene	ND		ug/kg	190	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	37.	1
2,6-Dinitrotoluene	ND		ug/kg	190	32.	1
Fluoranthene	930		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	19.	1
Hexachlorobutadiene	ND		ug/kg	190	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	530	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	170	24.	1
Naphthalene	46	J	ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	29.	1
Bis(2-ethylhexyl)phthalate	130	J	ug/kg	190	64.	1
Butyl benzyl phthalate	280		ug/kg	190	47.	1
Di-n-butylphthalate	ND		ug/kg	190	35.	1
Di-n-octylphthalate	ND		ug/kg	190	63.	1

Project Name: SENDERO VERDE **Lab Number:** L1815425

Project Number: 2984.0001Y000 **Report Date:** 05/07/18

SAMPLE RESULTS

Lab ID: L1815425-05 Date Collected: 05/01/18 10:45

Client ID: SB-11 (0-2) Date Received: 05/01/18

Sample Location: EAST HARLEM, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	190	17.	1
Dimethyl phthalate	ND		ug/kg	190	39.	1
Benzo(a)anthracene	640		ug/kg	110	21.	1
Benzo(a)pyrene	690		ug/kg	150	45.	1
Benzo(b)fluoranthene	980		ug/kg	110	31.	1
Benzo(k)fluoranthene	300		ug/kg	110	30.	1
Chrysene	660		ug/kg	110	19.	1
Acenaphthylene	480		ug/kg	150	29.	1
Anthracene	230		ug/kg	110	36.	1
Benzo(ghi)perylene	640		ug/kg	150	22.	1
Fluorene	46	J	ug/kg	190	18.	1
Phenanthrene	430		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	140		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	540		ug/kg	150	26.	1
Pyrene	910		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	420	43.	1
4-Chloroaniline	ND		ug/kg	190	34.	1
2-Nitroaniline	ND		ug/kg	190	36.	1
3-Nitroaniline	ND		ug/kg	190	35.	1
4-Nitroaniline	ND		ug/kg	190	77.	1
Dibenzofuran	20	J	ug/kg	190	18.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	19.	1
Acetophenone	26	J	ug/kg	190	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
p-Chloro-m-cresol	ND		ug/kg	190	28.	1
2-Chlorophenol	ND		ug/kg	190	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	ND		ug/kg	190	61.	1
2-Nitrophenol	ND		ug/kg	400	70.	1
4-Nitrophenol	ND		ug/kg	260	76.	1
2,4-Dinitrophenol	ND		ug/kg	890	87.	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	89.	1
Pentachlorophenol	ND		ug/kg	150	41.	1
Phenol	32	J	ug/kg	190	28.	1
2-Methylphenol	ND		ug/kg	190	29.	1
3-Methylphenol/4-Methylphenol	45	J	ug/kg	270	29.	1

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815425
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815425-05
Client ID: SB-11 (0-2)
Sample Location: EAST HARLEM, NY
Date Collected: 05/01/18 10:45
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	190	36.	1
Benzoic Acid	ND		ug/kg	600	190	1
Benzyl Alcohol	ND		ug/kg	190	57.	1
Carbazole	100	J	ug/kg	190	18.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	85		25-120
Phenol-d6	87		10-120
Nitrobenzene-d5	100		23-120
2-Fluorobiphenyl	74		30-120
2,4,6-Tribromophenol	96		10-136
4-Terphenyl-d14	67		18-120

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815425
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815425-06
Client ID: SB-3 (17-19)
Sample Location: EAST HARLEM, NY

Date Collected: 05/01/18 11:30
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 05/04/18 02:48
Analyst: SZ
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 05/02/18 08:55

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	22.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	26.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
1,2-Dichlorobenzene	ND		ug/kg	190	34.	1
1,3-Dichlorobenzene	ND		ug/kg	190	33.	1
1,4-Dichlorobenzene	ND		ug/kg	190	33.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	38.	1
2,6-Dinitrotoluene	ND		ug/kg	190	32.	1
Fluoranthene	ND		ug/kg	110	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	29.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	170	1
Hexachloroethane	ND		ug/kg	150	31.	1
Isophorone	ND		ug/kg	170	25.	1
Naphthalene	ND		ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	29.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	66.	1
Butyl benzyl phthalate	ND		ug/kg	190	48.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	64.	1

Project Name: SENDERO VERDE **Lab Number:** L1815425

Project Number: 2984.0001Y000 **Report Date:** 05/07/18

SAMPLE RESULTS

Lab ID: L1815425-06 Date Collected: 05/01/18 11:30

Client ID: SB-3 (17-19) Date Received: 05/01/18

Sample Location: EAST HARLEM, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	190	18.	1
Dimethyl phthalate	ND		ug/kg	190	40.	1
Benzo(a)anthracene	ND		ug/kg	110	21.	1
Benzo(a)pyrene	ND		ug/kg	150	46.	1
Benzo(b)fluoranthene	ND		ug/kg	110	32.	1
Benzo(k)fluoranthene	ND		ug/kg	110	30.	1
Chrysene	ND		ug/kg	110	20.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	ND		ug/kg	110	37.	1
Benzo(ghi)perylene	ND		ug/kg	150	22.	1
Fluorene	ND		ug/kg	190	18.	1
Phenanthrene	ND		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	26.	1
Pyrene	ND		ug/kg	110	19.	1
Biphenyl	ND		ug/kg	430	44.	1
4-Chloroaniline	ND		ug/kg	190	34.	1
2-Nitroaniline	ND		ug/kg	190	36.	1
3-Nitroaniline	ND		ug/kg	190	36.	1
4-Nitroaniline	ND		ug/kg	190	78.	1
Dibenzofuran	ND		ug/kg	190	18.	1
2-Methylnaphthalene	ND		ug/kg	230	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	28.	1
2-Chlorophenol	ND		ug/kg	190	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	ND		ug/kg	190	63.	1
2-Nitrophenol	ND		ug/kg	410	71.	1
4-Nitrophenol	ND		ug/kg	260	77.	1
2,4-Dinitrophenol	ND		ug/kg	910	88.	1
4,6-Dinitro-o-cresol	ND		ug/kg	490	91.	1
Pentachlorophenol	ND		ug/kg	150	42.	1
Phenol	ND		ug/kg	190	29.	1
2-Methylphenol	ND		ug/kg	190	29.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	30.	1

Project Name: SENDERO VERDE
Lab Number: L1815425
Project Number: 2984.0001Y000
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815425-06
Client ID: SB-3 (17-19)
Sample Location: EAST HARLEM, NY
Date Collected: 05/01/18 11:30
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	190	36.	1
Benzoic Acid	ND		ug/kg	610	190	1
Benzyl Alcohol	ND		ug/kg	190	58.	1
Carbazole	ND		ug/kg	190	18.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	91		25-120
Phenol-d6	93		10-120
Nitrobenzene-d5	107		23-120
2-Fluorobiphenyl	89		30-120
2,4,6-Tribromophenol	103		10-136
4-Terphenyl-d14	88		18-120

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815425
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815425-07
Client ID: SB-10 (15-17)
Sample Location: EAST HARLEM, NY

Date Collected: 05/01/18 12:45
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 05/04/18 03:16
Analyst: SZ
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 05/02/18 08:55

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	25.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	33.	1
1,3-Dichlorobenzene	ND		ug/kg	180	31.	1
1,4-Dichlorobenzene	ND		ug/kg	180	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	48.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	54	J	ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	520	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	24.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	27.	1
NDPA/DPA	ND		ug/kg	140	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	63.	1
Butyl benzyl phthalate	ND		ug/kg	180	46.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	62.	1

Project Name: SENDERO VERDE **Lab Number:** L1815425

Project Number: 2984.0001Y000 **Report Date:** 05/07/18

SAMPLE RESULTS

Lab ID: L1815425-07 Date Collected: 05/01/18 12:45

Client ID: SB-10 (15-17) Date Received: 05/01/18

Sample Location: EAST HARLEM, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	37	J	ug/kg	110	20.	1
Benzo(a)pyrene	ND		ug/kg	140	44.	1
Benzo(b)fluoranthene	49	J	ug/kg	110	31.	1
Benzo(k)fluoranthene	ND		ug/kg	110	29.	1
Chrysene	36	J	ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	140	28.	1
Anthracene	ND		ug/kg	110	36.	1
Benzo(ghi)perylene	28	J	ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	18.	1
Phenanthrene	23	J	ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	28	J	ug/kg	140	25.	1
Pyrene	51	J	ug/kg	110	18.	1
Biphenyl	ND		ug/kg	420	42.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	35.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	75.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	22.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	60.	1
2-Nitrophenol	ND		ug/kg	390	68.	1
4-Nitrophenol	ND		ug/kg	260	74.	1
2,4-Dinitrophenol	ND		ug/kg	880	85.	1
4,6-Dinitro-o-cresol	ND		ug/kg	470	88.	1
Pentachlorophenol	ND		ug/kg	140	40.	1
Phenol	ND		ug/kg	180	28.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	28.	1

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815425
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815425-07
Client ID: SB-10 (15-17)
Sample Location: EAST HARLEM, NY
Date Collected: 05/01/18 12:45
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	35.	1
Benzoic Acid	ND		ug/kg	590	180	1
Benzyl Alcohol	ND		ug/kg	180	56.	1
Carbazole	ND		ug/kg	180	18.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	78		25-120
Phenol-d6	84		10-120
Nitrobenzene-d5	94		23-120
2-Fluorobiphenyl	78		30-120
2,4,6-Tribromophenol	94		10-136
4-Terphenyl-d14	74		18-120

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815425
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815425-08
Client ID: SB-4 (11-13)
Sample Location: EAST HARLEM, NY

Date Collected: 05/01/18 14:30
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 05/04/18 08:47
Analyst: SZ
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 05/02/18 08:55

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	320		ug/kg	150	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	22.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	26.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
1,2-Dichlorobenzene	ND		ug/kg	190	34.	1
1,3-Dichlorobenzene	ND		ug/kg	190	33.	1
1,4-Dichlorobenzene	ND		ug/kg	190	33.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	38.	1
2,6-Dinitrotoluene	ND		ug/kg	190	32.	1
Fluoranthene	3800		ug/kg	110	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	29.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	170	1
Hexachloroethane	ND		ug/kg	150	31.	1
Isophorone	ND		ug/kg	170	25.	1
Naphthalene	120	J	ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	29.	1
Bis(2-ethylhexyl)phthalate	66	J	ug/kg	190	66.	1
Butyl benzyl phthalate	ND		ug/kg	190	48.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	64.	1

Project Name: SENDERO VERDE **Lab Number:** L1815425

Project Number: 2984.0001Y000 **Report Date:** 05/07/18

SAMPLE RESULTS

Lab ID: L1815425-08 Date Collected: 05/01/18 14:30

Client ID: SB-4 (11-13) Date Received: 05/01/18

Sample Location: EAST HARLEM, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	190	18.	1
Dimethyl phthalate	ND		ug/kg	190	40.	1
Benzo(a)anthracene	2100		ug/kg	110	21.	1
Benzo(a)pyrene	1700		ug/kg	150	46.	1
Benzo(b)fluoranthene	2400		ug/kg	110	32.	1
Benzo(k)fluoranthene	840		ug/kg	110	30.	1
Chrysene	1900		ug/kg	110	20.	1
Acenaphthylene	310		ug/kg	150	29.	1
Anthracene	1000		ug/kg	110	37.	1
Benzo(ghi)perylene	1100		ug/kg	150	22.	1
Fluorene	260		ug/kg	190	18.	1
Phenanthrene	3600		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	310		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	1200		ug/kg	150	26.	1
Pyrene	3400		ug/kg	110	19.	1
Biphenyl	ND		ug/kg	430	44.	1
4-Chloroaniline	ND		ug/kg	190	34.	1
2-Nitroaniline	ND		ug/kg	190	36.	1
3-Nitroaniline	ND		ug/kg	190	36.	1
4-Nitroaniline	ND		ug/kg	190	78.	1
Dibenzofuran	280		ug/kg	190	18.	1
2-Methylnaphthalene	62	J	ug/kg	230	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	28.	1
2-Chlorophenol	ND		ug/kg	190	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	ND		ug/kg	190	63.	1
2-Nitrophenol	ND		ug/kg	410	71.	1
4-Nitrophenol	ND		ug/kg	260	77.	1
2,4-Dinitrophenol	ND		ug/kg	910	88.	1
4,6-Dinitro-o-cresol	ND		ug/kg	490	91.	1
Pentachlorophenol	ND		ug/kg	150	42.	1
Phenol	ND		ug/kg	190	29.	1
2-Methylphenol	ND		ug/kg	190	29.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	30.	1

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815425
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815425-08
Client ID: SB-4 (11-13)
Sample Location: EAST HARLEM, NY
Date Collected: 05/01/18 14:30
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	190	36.	1
Benzoic Acid	ND		ug/kg	610	190	1
Benzyl Alcohol	ND		ug/kg	190	58.	1
Carbazole	290		ug/kg	190	18.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	92		25-120
Phenol-d6	98		10-120
Nitrobenzene-d5	106		23-120
2-Fluorobiphenyl	79		30-120
2,4,6-Tribromophenol	102		10-136
4-Terphenyl-d14	65		18-120

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815425
Report Date: 05/07/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 05/03/18 23:06
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 05/02/18 06:02

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-08 Batch: WG1111684-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	19.
Hexachlorobenzene	ND		ug/kg	98	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	29.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	28.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	33.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	98	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	18.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	26.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	57.
Butyl benzyl phthalate	ND		ug/kg	160	41.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	56.
Diethyl phthalate	ND		ug/kg	160	15.

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815425
Report Date: 05/07/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 05/03/18 23:06
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 05/02/18 06:02

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-08 Batch: WG1111684-1					
Dimethyl phthalate	ND		ug/kg	160	34.
Benzo(a)anthracene	ND		ug/kg	98	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	98	28.
Benzo(k)fluoranthene	ND		ug/kg	98	26.
Chrysene	ND		ug/kg	98	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	98	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	98	20.
Dibenzo(a,h)anthracene	ND		ug/kg	98	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	98	16.
Biphenyl	ND		ug/kg	370	38.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	32.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	68.
Dibenzofuran	ND		ug/kg	160	15.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	98	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	19.
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	350	62.

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815425
Report Date: 05/07/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 05/03/18 23:06
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 05/02/18 06:02

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-08 Batch: WG1111684-1					
4-Nitrophenol	ND		ug/kg	230	67.
2,4-Dinitrophenol	ND		ug/kg	790	76.
4,6-Dinitro-o-cresol	ND		ug/kg	420	79.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	25.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	31.
Benzoic Acid	ND		ug/kg	530	160
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	16.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	88		25-120
Phenol-d6	89		10-120
Nitrobenzene-d5	99		23-120
2-Fluorobiphenyl	82		30-120
2,4,6-Tribromophenol	99		10-136
4-Terphenyl-d14	101		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: SENDERO VERDE

Project Number: 2984.0001Y000

Lab Number: L1815425

Report Date: 05/07/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG1111684-2 WG1111684-3								
Acenaphthene	83		84		31-137	1		50
1,2,4-Trichlorobenzene	81		79		38-107	3		50
Hexachlorobenzene	94		94		40-140	0		50
Bis(2-chloroethyl)ether	88		85		40-140	3		50
2-Chloronaphthalene	84		84		40-140	0		50
1,2-Dichlorobenzene	80		78		40-140	3		50
1,3-Dichlorobenzene	78		75		40-140	4		50
1,4-Dichlorobenzene	78		75		28-104	4		50
3,3'-Dichlorobenzidine	74		77		40-140	4		50
2,4-Dinitrotoluene	111		116		40-132	4		50
2,6-Dinitrotoluene	109		110		40-140	1		50
Fluoranthene	85		88		40-140	3		50
4-Chlorophenyl phenyl ether	87		88		40-140	1		50
4-Bromophenyl phenyl ether	94		95		40-140	1		50
Bis(2-chloroisopropyl)ether	92		91		40-140	1		50
Bis(2-chloroethoxy)methane	88		86		40-117	2		50
Hexachlorobutadiene	81		80		40-140	1		50
Hexachlorocyclopentadiene	73		74		40-140	1		50
Hexachloroethane	83		80		40-140	4		50
Isophorone	92		89		40-140	3		50
Naphthalene	81		81		40-140	0		50
Nitrobenzene	100		99		40-140	1		50
NDPA/DPA	85		87		36-157	2		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: SENDERO VERDE

Project Number: 2984.0001Y000

Lab Number: L1815425

Report Date: 05/07/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG1111684-2 WG1111684-3								
n-Nitrosodi-n-propylamine	93		92		32-121	1		50
Bis(2-ethylhexyl)phthalate	96		97		40-140	1		50
Butyl benzyl phthalate	100		103		40-140	3		50
Di-n-butylphthalate	93		95		40-140	2		50
Di-n-octylphthalate	98		99		40-140	1		50
Diethyl phthalate	90		91		40-140	1		50
Dimethyl phthalate	85		88		40-140	3		50
Benzo(a)anthracene	85		85		40-140	0		50
Benzo(a)pyrene	91		91		40-140	0		50
Benzo(b)fluoranthene	89		91		40-140	2		50
Benzo(k)fluoranthene	92		93		40-140	1		50
Chrysene	84		86		40-140	2		50
Acenaphthylene	88		87		40-140	1		50
Anthracene	87		88		40-140	1		50
Benzo(ghi)perylene	88		88		40-140	0		50
Fluorene	86		85		40-140	1		50
Phenanthrene	85		87		40-140	2		50
Dibenzo(a,h)anthracene	90		88		40-140	2		50
Indeno(1,2,3-cd)pyrene	89		89		40-140	0		50
Pyrene	85		88		35-142	3		50
Biphenyl	86		84		54-104	2		50
4-Chloroaniline	47		49		40-140	4		50
2-Nitroaniline	111		113		47-134	2		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: SENDERO VERDE

Project Number: 2984.0001Y000

Lab Number: L1815425

Report Date: 05/07/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG1111684-2 WG1111684-3								
3-Nitroaniline	86		90		26-129	5		50
4-Nitroaniline	105		101		41-125	4		50
Dibenzofuran	84		85		40-140	1		50
2-Methylnaphthalene	83		83		40-140	0		50
1,2,4,5-Tetrachlorobenzene	85		85		40-117	0		50
Acetophenone	94		92		14-144	2		50
2,4,6-Trichlorophenol	92		91		30-130	1		50
p-Chloro-m-cresol	94		98		26-103	4		50
2-Chlorophenol	91		89		25-102	2		50
2,4-Dichlorophenol	90		88		30-130	2		50
2,4-Dimethylphenol	92		91		30-130	1		50
2-Nitrophenol	116		114		30-130	2		50
4-Nitrophenol	**125**	Q	**130**	Q	11-114	4		50
2,4-Dinitrophenol	73		79		4-130	8		50
4,6-Dinitro-o-cresol	109		114		10-130	4		50
Pentachlorophenol	80		85		17-109	6		50
Phenol	**92**	Q	**91**	Q	26-90	1		50
2-Methylphenol	93		92		30-130.	1		50
3-Methylphenol/4-Methylphenol	94		92		30-130	2		50
2,4,5-Trichlorophenol	94		95		30-130	1		50
Benzoic Acid	10		16		10-110	46		50
Benzyl Alcohol	101		98		40-140	3		50
Carbazole	88		90		54-128	2		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: SENDERO VERDE

Project Number: 2984.0001Y000

Lab Number: L1815425

Report Date: 05/07/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG1111684-2 WG1111684-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	90		88		25-120
Phenol-d6	92		91		10-120
Nitrobenzene-d5	102		99		23-120
2-Fluorobiphenyl	84		86		30-120
2,4,6-Tribromophenol	104		106		10-136
4-Terphenyl-d14	97		99		18-120

PCBS

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815425
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815425-01
Client ID: SB-10 (0-2)
Sample Location: EAST HARLEM, NY

Date Collected: 05/01/18 08:15
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 05/03/18 22:01
Analyst: WR
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 05/02/18 10:00
Cleanup Method: EPA 3665A
Cleanup Date: 05/02/18
Cleanup Method: EPA 3660B
Cleanup Date: 05/02/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.9	4.30	1	A
Aroclor 1221	ND		ug/kg	37.9	5.77	1	A
Aroclor 1232	ND		ug/kg	37.9	3.73	1	A
Aroclor 1242	ND		ug/kg	37.9	4.64	1	A
Aroclor 1248	ND		ug/kg	37.9	4.25	1	A
Aroclor 1254	ND		ug/kg	37.9	3.09	1	A
Aroclor 1260	ND		ug/kg	37.9	3.96	1	A
Aroclor 1262	ND		ug/kg	37.9	3.11	1	A
Aroclor 1268	ND		ug/kg	37.9	2.68	1	A
PCBs, Total	ND		ug/kg	37.9	2.68	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	94		30-150	A
Decachlorobiphenyl	94		30-150	A
2,4,5,6-Tetrachloro-m-xylene	87		30-150	B
Decachlorobiphenyl	104		30-150	B

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815425
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815425-02
Client ID: SB-2 (0-2)
Sample Location: EAST HARLEM, NY

Date Collected: 05/01/18 08:45
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 05/03/18 22:14
Analyst: WR
Percent Solids: 65%

Extraction Method: EPA 3546
Extraction Date: 05/02/18 10:00
Cleanup Method: EPA 3665A
Cleanup Date: 05/02/18
Cleanup Method: EPA 3660B
Cleanup Date: 05/02/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	50.5	5.73	1	A
Aroclor 1221	ND		ug/kg	50.5	7.68	1	A
Aroclor 1232	ND		ug/kg	50.5	4.97	1	A
Aroclor 1242	ND		ug/kg	50.5	6.18	1	A
Aroclor 1248	ND		ug/kg	50.5	5.66	1	A
Aroclor 1254	ND		ug/kg	50.5	4.12	1	A
Aroclor 1260	20.1	J	ug/kg	50.5	5.27	1	A
Aroclor 1262	ND		ug/kg	50.5	4.15	1	A
Aroclor 1268	ND		ug/kg	50.5	3.58	1	A
PCBs, Total	20.1	J	ug/kg	50.5	3.58	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	89		30-150	A
Decachlorobiphenyl	75		30-150	A
2,4,5,6-Tetrachloro-m-xylene	85		30-150	B
Decachlorobiphenyl	94		30-150	B

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815425
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815425-03
Client ID: SB-9 (0-2)
Sample Location: EAST HARLEM, NY

Date Collected: 05/01/18 09:05
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 05/03/18 22:28
Analyst: WR
Percent Solids: 79%

Extraction Method: EPA 3546
Extraction Date: 05/02/18 10:00
Cleanup Method: EPA 3665A
Cleanup Date: 05/02/18
Cleanup Method: EPA 3660B
Cleanup Date: 05/02/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	40.0	4.54	1	A
Aroclor 1221	ND		ug/kg	40.0	6.10	1	A
Aroclor 1232	ND		ug/kg	40.0	3.94	1	A
Aroclor 1242	ND		ug/kg	40.0	4.90	1	A
Aroclor 1248	ND		ug/kg	40.0	4.49	1	A
Aroclor 1254	56.6		ug/kg	40.0	3.27	1	B
Aroclor 1260	63.6		ug/kg	40.0	4.18	1	B
Aroclor 1262	ND		ug/kg	40.0	3.29	1	A
Aroclor 1268	26.1	J	ug/kg	40.0	2.84	1	A
PCBs, Total	146	J	ug/kg	40.0	2.84	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	88		30-150	A
Decachlorobiphenyl	98		30-150	A
2,4,5,6-Tetrachloro-m-xylene	82		30-150	B
Decachlorobiphenyl	118		30-150	B

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815425
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815425-04
Client ID: SB-1 (0-2)
Sample Location: EAST HARLEM, NY

Date Collected: 05/01/18 10:00
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 05/03/18 22:41
Analyst: WR
Percent Solids: 83%

Extraction Method: EPA 3546
Extraction Date: 05/02/18 10:00
Cleanup Method: EPA 3665A
Cleanup Date: 05/02/18
Cleanup Method: EPA 3660B
Cleanup Date: 05/02/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	39.7	4.50	1	A
Aroclor 1221	ND		ug/kg	39.7	6.04	1	A
Aroclor 1232	ND		ug/kg	39.7	3.91	1	A
Aroclor 1242	ND		ug/kg	39.7	4.86	1	A
Aroclor 1248	ND		ug/kg	39.7	4.45	1	A
Aroclor 1254	142		ug/kg	39.7	3.24	1	A
Aroclor 1260	174		ug/kg	39.7	4.14	1	A
Aroclor 1262	ND		ug/kg	39.7	3.26	1	A
Aroclor 1268	38.8	J	ug/kg	39.7	2.81	1	B
PCBs, Total	355	J	ug/kg	39.7	2.81	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	97		30-150	A
Decachlorobiphenyl	113		30-150	A
2,4,5,6-Tetrachloro-m-xylene	90		30-150	B
Decachlorobiphenyl	138		30-150	B

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815425
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815425-05
Client ID: SB-11 (0-2)
Sample Location: EAST HARLEM, NY

Date Collected: 05/01/18 10:45
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 05/03/18 22:55
Analyst: WR
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 05/02/18 10:00
Cleanup Method: EPA 3665A
Cleanup Date: 05/02/18
Cleanup Method: EPA 3660B
Cleanup Date: 05/02/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.1	4.21	1	A
Aroclor 1221	ND		ug/kg	37.1	5.65	1	A
Aroclor 1232	ND		ug/kg	37.1	3.65	1	A
Aroclor 1242	ND		ug/kg	37.1	4.54	1	A
Aroclor 1248	ND		ug/kg	37.1	4.16	1	A
Aroclor 1254	11.1	J	ug/kg	37.1	3.03	1	B
Aroclor 1260	17.4	J	ug/kg	37.1	3.88	1	A
Aroclor 1262	ND		ug/kg	37.1	3.05	1	A
Aroclor 1268	8.28	J	ug/kg	37.1	2.63	1	A
PCBs, Total	36.8	J	ug/kg	37.1	2.63	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		30-150	A
Decachlorobiphenyl	84		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		30-150	B
Decachlorobiphenyl	108		30-150	B

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815425
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815425-06
Client ID: SB-3 (17-19)
Sample Location: EAST HARLEM, NY

Date Collected: 05/01/18 11:30
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 05/03/18 23:09
Analyst: WR
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 05/02/18 10:00
Cleanup Method: EPA 3665A
Cleanup Date: 05/02/18
Cleanup Method: EPA 3660B
Cleanup Date: 05/02/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.6	4.26	1	A
Aroclor 1221	ND		ug/kg	37.6	5.72	1	A
Aroclor 1232	ND		ug/kg	37.6	3.70	1	A
Aroclor 1242	ND		ug/kg	37.6	4.60	1	A
Aroclor 1248	ND		ug/kg	37.6	4.22	1	A
Aroclor 1254	ND		ug/kg	37.6	3.07	1	A
Aroclor 1260	ND		ug/kg	37.6	3.92	1	A
Aroclor 1262	ND		ug/kg	37.6	3.09	1	A
Aroclor 1268	ND		ug/kg	37.6	2.66	1	A
PCBs, Total	ND		ug/kg	37.6	2.66	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	97		30-150	A
Decachlorobiphenyl	82		30-150	A
2,4,5,6-Tetrachloro-m-xylene	100		30-150	B
Decachlorobiphenyl	100		30-150	B

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815425
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815425-07
Client ID: SB-10 (15-17)
Sample Location: EAST HARLEM, NY

Date Collected: 05/01/18 12:45
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 05/03/18 23:22
Analyst: WR
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 05/02/18 10:00
Cleanup Method: EPA 3665A
Cleanup Date: 05/02/18
Cleanup Method: EPA 3660B
Cleanup Date: 05/02/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.6	4.04	1	A
Aroclor 1221	ND		ug/kg	35.6	5.42	1	A
Aroclor 1232	ND		ug/kg	35.6	3.50	1	A
Aroclor 1242	ND		ug/kg	35.6	4.36	1	A
Aroclor 1248	ND		ug/kg	35.6	4.00	1	A
Aroclor 1254	ND		ug/kg	35.6	2.91	1	A
Aroclor 1260	ND		ug/kg	35.6	3.72	1	A
Aroclor 1262	ND		ug/kg	35.6	2.93	1	A
Aroclor 1268	ND		ug/kg	35.6	2.52	1	A
PCBs, Total	ND		ug/kg	35.6	2.52	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	104		30-150	A
Decachlorobiphenyl	86		30-150	A
2,4,5,6-Tetrachloro-m-xylene	103		30-150	B
Decachlorobiphenyl	106		30-150	B

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815425
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815425-08
Client ID: SB-4 (11-13)
Sample Location: EAST HARLEM, NY

Date Collected: 05/01/18 14:30
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 05/04/18 00:53
Analyst: WR
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 05/02/18 10:00
Cleanup Method: EPA 3665A
Cleanup Date: 05/02/18
Cleanup Method: EPA 3660B
Cleanup Date: 05/02/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.7	4.27	1	A
Aroclor 1221	ND		ug/kg	37.7	5.73	1	A
Aroclor 1232	ND		ug/kg	37.7	3.70	1	A
Aroclor 1242	ND		ug/kg	37.7	4.61	1	A
Aroclor 1248	ND		ug/kg	37.7	4.22	1	A
Aroclor 1254	36.2	J	ug/kg	37.7	3.07	1	A
Aroclor 1260	19.3	J	ug/kg	37.7	3.93	1	A
Aroclor 1262	ND		ug/kg	37.7	3.10	1	A
Aroclor 1268	ND		ug/kg	37.7	2.67	1	A
PCBs, Total	55.5	J	ug/kg	37.7	2.67	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	97		30-150	A
Decachlorobiphenyl	93		30-150	A
2,4,5,6-Tetrachloro-m-xylene	95		30-150	B
Decachlorobiphenyl	113		30-150	B

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815425
Report Date: 05/07/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 05/02/18 15:26
Analyst: WR

Extraction Method: EPA 3546
Extraction Date: 05/02/18 10:00
Cleanup Method: EPA 3665A
Cleanup Date: 05/02/18
Cleanup Method: EPA 3660B
Cleanup Date: 05/02/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-08 Batch: WG1111766-1						
Aroclor 1016	ND		ug/kg	31.6	3.59	A
Aroclor 1221	ND		ug/kg	31.6	4.81	A
Aroclor 1232	ND		ug/kg	31.6	3.11	A
Aroclor 1242	ND		ug/kg	31.6	3.87	A
Aroclor 1248	ND		ug/kg	31.6	3.55	A
Aroclor 1254	ND		ug/kg	31.6	2.58	A
Aroclor 1260	ND		ug/kg	31.6	3.30	A
Aroclor 1262	ND		ug/kg	31.6	2.60	A
Aroclor 1268	ND		ug/kg	31.6	2.24	A
PCBs, Total	ND		ug/kg	31.6	2.24	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	83		30-150	A
Decachlorobiphenyl	81		30-150	A
2,4,5,6-Tetrachloro-m-xylene	81		30-150	B
Decachlorobiphenyl	88		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: SENDERO VERDE

Project Number: 2984.0001Y000

Lab Number: L1815425

Report Date: 05/07/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-08 Batch: WG1111766-2 WG1111766-3									
Aroclor 1016	62		61		40-140	2		50	A
Aroclor 1260	57		54		40-140	5		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	86		89		30-150	A
Decachlorobiphenyl	67		67		30-150	A
2,4,5,6-Tetrachloro-m-xylene	92		96		30-150	B
Decachlorobiphenyl	81		86		30-150	B

PESTICIDES

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815425
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815425-01
Client ID: SB-10 (0-2)
Sample Location: EAST HARLEM, NY

Date Collected: 05/01/18 08:15
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 05/03/18 17:46
Analyst: SL
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 05/02/18 09:12
Cleanup Method: EPA 3620B
Cleanup Date: 05/03/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.81	0.355	1	A
Lindane	ND		ug/kg	0.756	0.338	1	A
Alpha-BHC	ND		ug/kg	0.756	0.215	1	A
Beta-BHC	ND		ug/kg	1.81	0.688	1	A
Heptachlor	ND		ug/kg	0.907	0.407	1	A
Aldrin	ND		ug/kg	1.81	0.639	1	A
Heptachlor epoxide	7.98		ug/kg	3.40	1.02	1	A
Endrin	ND		ug/kg	0.756	0.310	1	A
Endrin aldehyde	ND		ug/kg	2.27	0.794	1	A
Endrin ketone	ND		ug/kg	1.81	0.467	1	A
Dieldrin	208	E	ug/kg	1.13	0.567	1	A
4,4'-DDE	29.9		ug/kg	1.81	0.420	1	B
4,4'-DDD	4.91	PI	ug/kg	1.81	0.647	1	A
4,4'-DDT	290	E	ug/kg	3.40	1.46	1	A
Endosulfan I	ND		ug/kg	1.81	0.429	1	A
Endosulfan II	2.38	PI	ug/kg	1.81	0.606	1	A
Endosulfan sulfate	ND		ug/kg	0.756	0.360	1	A
Methoxychlor	ND		ug/kg	3.40	1.06	1	A
Toxaphene	ND		ug/kg	34.0	9.53	1	A
cis-Chlordane	39.1	PI	ug/kg	2.27	0.632	1	B
trans-Chlordane	45.4		ug/kg	2.27	0.599	1	B
Chlordane	ND		ug/kg	14.7	6.01	1	A

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815425
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815425-01
Client ID: SB-10 (0-2)
Sample Location: EAST HARLEM, NY
Date Collected: 05/01/18 08:15
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	118		30-150	B
Decachlorobiphenyl	128		30-150	B
2,4,5,6-Tetrachloro-m-xylene	94		30-150	A
Decachlorobiphenyl	128		30-150	A

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815425
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815425-01 D
Client ID: SB-10 (0-2)
Sample Location: EAST HARLEM, NY

Date Collected: 05/01/18 08:15
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 05/07/18 16:21
Analyst: SL
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 05/02/18 09:12
Cleanup Method: EPA 3620B
Cleanup Date: 05/03/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Dieldrin	197		ug/kg	2.27	1.13	2	B
4,4'-DDT	259		ug/kg	6.81	2.92	2	A

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815425
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815425-02 D
Client ID: SB-2 (0-2)
Sample Location: EAST HARLEM, NY

Date Collected: 05/01/18 08:45
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 05/03/18 17:59
Analyst: SL
Percent Solids: 65%

Extraction Method: EPA 3546
Extraction Date: 05/02/18 09:12
Cleanup Method: EPA 3620B
Cleanup Date: 05/03/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	11.7	2.29	5	A
Lindane	ND		ug/kg	4.86	2.17	5	A
Alpha-BHC	ND		ug/kg	4.86	1.38	5	A
Beta-BHC	ND		ug/kg	11.7	4.43	5	A
Heptachlor	ND		ug/kg	5.84	2.62	5	A
Aldrin	ND		ug/kg	11.7	4.11	5	A
Heptachlor epoxide	9.22	J	ug/kg	21.9	6.57	5	A
Endrin	ND		ug/kg	4.86	1.99	5	A
Endrin aldehyde	ND		ug/kg	14.6	5.11	5	A
Endrin ketone	ND		ug/kg	11.7	3.01	5	A
Dieldrin	23.3		ug/kg	7.30	3.65	5	B
4,4'-DDE	18.2		ug/kg	11.7	2.70	5	B
4,4'-DDD	5.77	J	ug/kg	11.7	4.16	5	A
4,4'-DDT	60.6		ug/kg	21.9	9.39	5	B
Endosulfan I	ND		ug/kg	11.7	2.76	5	A
Endosulfan II	ND		ug/kg	11.7	3.90	5	A
Endosulfan sulfate	6.96	P	ug/kg	4.86	2.32	5	B
Methoxychlor	ND		ug/kg	21.9	6.81	5	A
Toxaphene	ND		ug/kg	219	61.3	5	A
cis-Chlordane	8.82	JPI	ug/kg	14.6	4.07	5	A
trans-Chlordane	8.31	J	ug/kg	14.6	3.85	5	B
Chlordane	ND		ug/kg	94.8	38.7	5	A

Project Name: SENDERO VERDE
Lab Number: L1815425
Project Number: 2984.0001Y000
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815425-02 D
Client ID: SB-2 (0-2)
Sample Location: EAST HARLEM, NY

Date Collected: 05/01/18 08:45
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	107		30-150	B
Decachlorobiphenyl	89		30-150	B
2,4,5,6-Tetrachloro-m-xylene	83		30-150	A
Decachlorobiphenyl	117		30-150	A

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815425
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815425-03 D
Client ID: SB-9 (0-2)
Sample Location: EAST HARLEM, NY

Date Collected: 05/01/18 09:05
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 05/03/18 18:12
Analyst: SL
Percent Solids: 79%

Extraction Method: EPA 3546
Extraction Date: 05/02/18 09:12
Cleanup Method: EPA 3620B
Cleanup Date: 05/03/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	9.92	1.94	5	A
Lindane	ND		ug/kg	4.13	1.85	5	A
Alpha-BHC	ND		ug/kg	4.13	1.17	5	A
Beta-BHC	ND		ug/kg	9.92	3.76	5	A
Heptachlor	ND		ug/kg	4.96	2.22	5	A
Aldrin	ND		ug/kg	9.92	3.49	5	A
Heptachlor epoxide	7.33	J	ug/kg	18.6	5.58	5	A
Endrin	ND		ug/kg	4.13	1.69	5	A
Endrin aldehyde	ND		ug/kg	12.4	4.34	5	A
Endrin ketone	ND		ug/kg	9.92	2.55	5	A
Dieldrin	84.5		ug/kg	6.20	3.10	5	A
4,4'-DDE	46.2		ug/kg	9.92	2.29	5	B
4,4'-DDD	81.5		ug/kg	9.92	3.54	5	B
4,4'-DDT	340		ug/kg	18.6	7.97	5	A
Endosulfan I	ND		ug/kg	9.92	2.34	5	A
Endosulfan II	7.48	JPI	ug/kg	9.92	3.31	5	A
Endosulfan sulfate	ND		ug/kg	4.13	1.97	5	A
Methoxychlor	ND		ug/kg	18.6	5.78	5	A
Toxaphene	ND		ug/kg	186	52.0	5	A
cis-Chlordane	69.4		ug/kg	12.4	3.45	5	A
trans-Chlordane	71.8	PI	ug/kg	12.4	3.27	5	A
Chlordane	ND		ug/kg	80.6	32.8	5	A

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815425
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815425-03 D
Client ID: SB-9 (0-2)
Sample Location: EAST HARLEM, NY
Date Collected: 05/01/18 09:05
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	97		30-150	B
Decachlorobiphenyl	116		30-150	B
2,4,5,6-Tetrachloro-m-xylene	82		30-150	A
Decachlorobiphenyl	141		30-150	A

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815425
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815425-04 D
Client ID: SB-1 (0-2)
Sample Location: EAST HARLEM, NY

Date Collected: 05/01/18 10:00
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 05/03/18 18:25
Analyst: SL
Percent Solids: 83%

Extraction Method: EPA 3546
Extraction Date: 05/02/18 09:12
Cleanup Method: EPA 3620B
Cleanup Date: 05/03/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	9.51	1.86	5	A
Lindane	ND		ug/kg	3.96	1.77	5	A
Alpha-BHC	ND		ug/kg	3.96	1.12	5	A
Beta-BHC	ND		ug/kg	9.51	3.61	5	A
Heptachlor	ND		ug/kg	4.76	2.13	5	A
Aldrin	ND		ug/kg	9.51	3.35	5	A
Heptachlor epoxide	6.61	J	ug/kg	17.8	5.35	5	A
Endrin	ND		ug/kg	3.96	1.62	5	A
Endrin aldehyde	ND		ug/kg	11.9	4.16	5	A
Endrin ketone	ND		ug/kg	9.51	2.45	5	A
Dieldrin	33.3		ug/kg	5.95	2.97	5	A
4,4'-DDE	29.6		ug/kg	9.51	2.20	5	B
4,4'-DDD	ND		ug/kg	9.51	3.39	5	A
4,4'-DDT	235		ug/kg	17.8	7.65	5	A
Endosulfan I	ND		ug/kg	9.51	2.25	5	A
Endosulfan II	5.22	JPI	ug/kg	9.51	3.18	5	A
Endosulfan sulfate	ND		ug/kg	3.96	1.89	5	A
Methoxychlor	ND		ug/kg	17.8	5.55	5	A
Toxaphene	ND		ug/kg	178	50.0	5	A
cis-Chlordane	42.1		ug/kg	11.9	3.31	5	B
trans-Chlordane	40.6	P	ug/kg	11.9	3.14	5	A
Chlordane	ND		ug/kg	77.3	31.5	5	A

Project Name: SENDERO VERDE
Lab Number: L1815425
Project Number: 2984.0001Y000
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815425-04 D
Client ID: SB-1 (0-2)
Sample Location: EAST HARLEM, NY

Date Collected: 05/01/18 10:00
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	98		30-150	B
Decachlorobiphenyl	142		30-150	B
2,4,5,6-Tetrachloro-m-xylene	108		30-150	A
Decachlorobiphenyl	**177**	Q	30-150	A

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815425
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815425-05 D
Client ID: SB-11 (0-2)
Sample Location: EAST HARLEM, NY

Date Collected: 05/01/18 10:45
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 05/03/18 18:37
Analyst: SL
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 05/02/18 09:12
Cleanup Method: EPA 3620B
Cleanup Date: 05/03/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	8.89	1.74	5	A
Lindane	ND		ug/kg	3.70	1.66	5	A
Alpha-BHC	ND		ug/kg	3.70	1.05	5	A
Beta-BHC	ND		ug/kg	8.89	3.37	5	A
Heptachlor	ND		ug/kg	4.45	1.99	5	A
Aldrin	ND		ug/kg	8.89	3.13	5	A
Heptachlor epoxide	ND		ug/kg	16.7	5.00	5	A
Endrin	ND		ug/kg	3.70	1.52	5	A
Endrin aldehyde	ND		ug/kg	11.1	3.89	5	A
Endrin ketone	ND		ug/kg	8.89	2.29	5	A
Dieldrin	ND		ug/kg	5.56	2.78	5	A
4,4'-DDE	4.23	JPI	ug/kg	8.89	2.06	5	A
4,4'-DDD	ND		ug/kg	8.89	3.17	5	A
4,4'-DDT	80.7		ug/kg	16.7	7.15	5	A
Endosulfan I	ND		ug/kg	8.89	2.10	5	A
Endosulfan II	5.14	J	ug/kg	8.89	2.97	5	B
Endosulfan sulfate	ND		ug/kg	3.70	1.76	5	A
Methoxychlor	ND		ug/kg	16.7	5.19	5	A
Toxaphene	ND		ug/kg	167	46.7	5	A
cis-Chlordane	15.6		ug/kg	11.1	3.10	5	A
trans-Chlordane	5.70	JPI	ug/kg	11.1	2.93	5	A
Chlordane	ND		ug/kg	72.2	29.4	5	A

Project Name: SENDERO VERDE
Lab Number: L1815425
Project Number: 2984.0001Y000
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815425-05 D
Client ID: SB-11 (0-2)
Sample Location: EAST HARLEM, NY

Date Collected: 05/01/18 10:45
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	121		30-150	B
Decachlorobiphenyl	**167**	Q	30-150	B
2,4,5,6-Tetrachloro-m-xylene	101		30-150	A
Decachlorobiphenyl	107		30-150	A

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815425
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815425-06
Client ID: SB-3 (17-19)
Sample Location: EAST HARLEM, NY

Date Collected: 05/01/18 11:30
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 05/03/18 18:50
Analyst: SL
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 05/02/18 09:12
Cleanup Method: EPA 3620B
Cleanup Date: 05/03/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.77	0.346	1	A
Lindane	ND		ug/kg	0.736	0.329	1	A
Alpha-BHC	ND		ug/kg	0.736	0.209	1	A
Beta-BHC	ND		ug/kg	1.77	0.670	1	A
Heptachlor	ND		ug/kg	0.883	0.396	1	A
Aldrin	ND		ug/kg	1.77	0.622	1	A
Heptachlor epoxide	ND		ug/kg	3.31	0.994	1	A
Endrin	ND		ug/kg	0.736	0.302	1	A
Endrin aldehyde	ND		ug/kg	2.21	0.773	1	A
Endrin ketone	ND		ug/kg	1.77	0.455	1	A
Dieldrin	ND		ug/kg	1.10	0.552	1	A
4,4'-DDE	ND		ug/kg	1.77	0.408	1	A
4,4'-DDD	ND		ug/kg	1.77	0.630	1	A
4,4'-DDT	ND		ug/kg	3.31	1.42	1	A
Endosulfan I	ND		ug/kg	1.77	0.417	1	A
Endosulfan II	ND		ug/kg	1.77	0.590	1	A
Endosulfan sulfate	ND		ug/kg	0.736	0.350	1	A
Methoxychlor	ND		ug/kg	3.31	1.03	1	A
Toxaphene	ND		ug/kg	33.1	9.27	1	A
cis-Chlordane	ND		ug/kg	2.21	0.615	1	A
trans-Chlordane	ND		ug/kg	2.21	0.583	1	A
Chlordane	ND		ug/kg	14.4	5.85	1	A

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815425
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815425-06
Client ID: SB-3 (17-19)
Sample Location: EAST HARLEM, NY
Date Collected: 05/01/18 11:30
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	124		30-150	B
Decachlorobiphenyl	114		30-150	B
2,4,5,6-Tetrachloro-m-xylene	95		30-150	A
Decachlorobiphenyl	117		30-150	A

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815425
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815425-07
Client ID: SB-10 (15-17)
Sample Location: EAST HARLEM, NY

Date Collected: 05/01/18 12:45
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 05/03/18 19:03
Analyst: SL
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 05/02/18 09:12
Cleanup Method: EPA 3620B
Cleanup Date: 05/03/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.71	0.336	1	A
Lindane	ND		ug/kg	0.714	0.319	1	A
Alpha-BHC	ND		ug/kg	0.714	0.203	1	A
Beta-BHC	ND		ug/kg	1.71	0.650	1	A
Heptachlor	ND		ug/kg	0.857	0.384	1	A
Aldrin	ND		ug/kg	1.71	0.604	1	A
Heptachlor epoxide	ND		ug/kg	3.21	0.964	1	A
Endrin	ND		ug/kg	0.714	0.293	1	A
Endrin aldehyde	ND		ug/kg	2.14	0.750	1	A
Endrin ketone	ND		ug/kg	1.71	0.441	1	A
Dieldrin	0.863	J	ug/kg	1.07	0.536	1	A
4,4'-DDE	1.45	J	ug/kg	1.71	0.396	1	B
4,4'-DDD	ND		ug/kg	1.71	0.611	1	B
4,4'-DDT	7.79		ug/kg	3.21	1.38	1	A
Endosulfan I	ND		ug/kg	1.71	0.405	1	A
Endosulfan II	ND		ug/kg	1.71	0.573	1	A
Endosulfan sulfate	ND		ug/kg	0.714	0.340	1	A
Methoxychlor	ND		ug/kg	3.21	1.00	1	A
Toxaphene	ND		ug/kg	32.1	9.00	1	A
cis-Chlordane	1.42	J	ug/kg	2.14	0.597	1	B
trans-Chlordane	ND		ug/kg	2.14	0.566	1	A
Chlordane	ND		ug/kg	13.9	5.68	1	A

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815425
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815425-07
Client ID: SB-10 (15-17)
Sample Location: EAST HARLEM, NY
Date Collected: 05/01/18 12:45
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	130		30-150	B
Decachlorobiphenyl	129		30-150	B
2,4,5,6-Tetrachloro-m-xylene	101		30-150	A
Decachlorobiphenyl	135		30-150	A

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815425
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815425-08
Client ID: SB-4 (11-13)
Sample Location: EAST HARLEM, NY

Date Collected: 05/01/18 14:30
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 05/03/18 19:28
Analyst: SL
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 05/02/18 09:16
Cleanup Method: EPA 3620B
Cleanup Date: 05/03/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.77	0.347	1	A
Lindane	ND		ug/kg	0.738	0.330	1	A
Alpha-BHC	ND		ug/kg	0.738	0.210	1	A
Beta-BHC	ND		ug/kg	1.77	0.671	1	A
Heptachlor	0.557	JPI	ug/kg	0.885	0.397	1	B
Aldrin	ND		ug/kg	1.77	0.623	1	A
Heptachlor epoxide	1.55	JPI	ug/kg	3.32	0.996	1	B
Endrin	ND		ug/kg	0.738	0.302	1	A
Endrin aldehyde	ND		ug/kg	2.21	0.775	1	A
Endrin ketone	ND		ug/kg	1.77	0.456	1	A
Dieldrin	95.8		ug/kg	1.11	0.553	1	A
4,4'-DDE	68.7		ug/kg	1.77	0.409	1	A
4,4'-DDD	13.9		ug/kg	1.77	0.632	1	B
4,4'-DDT	346	E	ug/kg	3.32	1.42	1	A
Endosulfan I	ND		ug/kg	1.77	0.418	1	A
Endosulfan II	1.71	J	ug/kg	1.77	0.592	1	B
Endosulfan sulfate	ND		ug/kg	0.738	0.351	1	A
Methoxychlor	ND		ug/kg	3.32	1.03	1	A
Toxaphene	ND		ug/kg	33.2	9.30	1	A
cis-Chlordane	36.8		ug/kg	2.21	0.617	1	A
trans-Chlordane	34.2	PI	ug/kg	2.21	0.584	1	A
Chlordane	ND		ug/kg	14.4	5.86	1	A

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815425
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815425-08
Client ID: SB-4 (11-13)
Sample Location: EAST HARLEM, NY
Date Collected: 05/01/18 14:30
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	115		30-150	B
Decachlorobiphenyl	115		30-150	B
2,4,5,6-Tetrachloro-m-xylene	94		30-150	A
Decachlorobiphenyl	141		30-150	A

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815425
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815425-08 D
Client ID: SB-4 (11-13)
Sample Location: EAST HARLEM, NY

Date Collected: 05/01/18 14:30
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 05/07/18 16:33
Analyst: SL
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 05/02/18 09:16
Cleanup Method: EPA 3620B
Cleanup Date: 05/03/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
4,4'-DDT	318		ug/kg	16.6	7.12	5	A

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815425
Report Date: 05/07/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 05/02/18 09:31
Analyst: KEG

Extraction Method: EPA 3546
Extraction Date: 05/02/18 02:27
Cleanup Method: EPA 3620B
Cleanup Date: 05/02/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 08 Batch: WG1111643-1						
Delta-BHC	ND		ug/kg	1.55	0.303	A
Lindane	ND		ug/kg	0.645	0.288	A
Alpha-BHC	ND		ug/kg	0.645	0.183	A
Beta-BHC	ND		ug/kg	1.55	0.587	A
Heptachlor	ND		ug/kg	0.774	0.347	A
Aldrin	ND		ug/kg	1.55	0.545	A
Heptachlor epoxide	ND		ug/kg	2.90	0.871	A
Endrin	ND		ug/kg	0.645	0.264	A
Endrin aldehyde	ND		ug/kg	1.94	0.677	A
Endrin ketone	ND		ug/kg	1.55	0.399	A
Dieldrin	ND		ug/kg	0.968	0.484	A
4,4'-DDE	ND		ug/kg	1.55	0.358	A
4,4'-DDD	ND		ug/kg	1.55	0.552	A
4,4'-DDT	ND		ug/kg	2.90	1.24	A
Endosulfan I	ND		ug/kg	1.55	0.366	A
Endosulfan II	ND		ug/kg	1.55	0.517	A
Endosulfan sulfate	ND		ug/kg	0.645	0.307	A
Methoxychlor	ND		ug/kg	2.90	0.903	A
Toxaphene	ND		ug/kg	29.0	8.13	A
cis-Chlordane	ND		ug/kg	1.94	0.539	A
trans-Chlordane	ND		ug/kg	1.94	0.511	A
Chlordane	ND		ug/kg	12.6	5.13	A

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815425
Report Date: 05/07/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 05/02/18 09:31
Analyst: KEG

Extraction Method: EPA 3546
Extraction Date: 05/02/18 02:27
Cleanup Method: EPA 3620B
Cleanup Date: 05/02/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 08 Batch: WG1111643-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	106		30-150	B
Decachlorobiphenyl	118		30-150	B
2,4,5,6-Tetrachloro-m-xylene	87		30-150	A
Decachlorobiphenyl	114		30-150	A

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815425
Report Date: 05/07/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 05/02/18 16:27
Analyst: JW

Extraction Method: EPA 3546
Extraction Date: 05/02/18 03:30
Cleanup Method: EPA 3620B
Cleanup Date: 05/02/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-07 Batch: WG1111653-1						
Delta-BHC	ND		ug/kg	1.58	0.309	A
Lindane	ND		ug/kg	0.658	0.294	A
Alpha-BHC	ND		ug/kg	0.658	0.187	A
Beta-BHC	ND		ug/kg	1.58	0.599	A
Heptachlor	ND		ug/kg	0.790	0.354	A
Aldrin	ND		ug/kg	1.58	0.556	A
Heptachlor epoxide	ND		ug/kg	2.96	0.889	A
Endrin	ND		ug/kg	0.658	0.270	A
Endrin aldehyde	ND		ug/kg	1.97	0.691	A
Endrin ketone	ND		ug/kg	1.58	0.407	A
Dieldrin	ND		ug/kg	0.987	0.494	A
4,4'-DDE	ND		ug/kg	1.58	0.365	A
4,4'-DDD	ND		ug/kg	1.58	0.564	A
4,4'-DDT	ND		ug/kg	2.96	1.27	A
Endosulfan I	ND		ug/kg	1.58	0.373	A
Endosulfan II	ND		ug/kg	1.58	0.528	A
Endosulfan sulfate	ND		ug/kg	0.658	0.313	A
Methoxychlor	ND		ug/kg	2.96	0.922	A
Toxaphene	ND		ug/kg	29.6	8.29	A
cis-Chlordane	ND		ug/kg	1.97	0.550	A
trans-Chlordane	ND		ug/kg	1.97	0.521	A
Chlordane	ND		ug/kg	12.8	5.23	A

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815425
Report Date: 05/07/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 05/02/18 16:27
Analyst: JW

Extraction Method: EPA 3546
Extraction Date: 05/02/18 03:30
Cleanup Method: EPA 3620B
Cleanup Date: 05/02/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-07 Batch: WG1111653-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	101		30-150	B
Decachlorobiphenyl	113		30-150	B
2,4,5,6-Tetrachloro-m-xylene	80		30-150	A
Decachlorobiphenyl	116		30-150	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: SENDERO VERDE

Project Number: 2984.0001Y000

Lab Number: L1815425

Report Date: 05/07/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 08 Batch: WG1111643-2 WG1111643-3									
Delta-BHC	105		104		30-150	1		30	A
Lindane	94		94		30-150	0		30	A
Alpha-BHC	99		98		30-150	1		30	A
Beta-BHC	106		107		30-150	1		30	A
Heptachlor	96		94		30-150	2		30	A
Aldrin	92		90		30-150	2		30	A
Heptachlor epoxide	99		96		30-150	3		30	A
Endrin	103		100		30-150	3		30	A
Endrin aldehyde	89		91		30-150	2		30	A
Endrin ketone	97		91		30-150	6		30	A
Dieldrin	100		96		30-150	4		30	A
4,4'-DDE	91		87		30-150	4		30	A
4,4'-DDD	90		89		30-150	1		30	A
4,4'-DDT	95		92		30-150	3		30	A
Endosulfan I	88		87		30-150	1		30	A
Endosulfan II	90		89		30-150	1		30	A
Endosulfan sulfate	84		83		30-150	1		30	A
Methoxychlor	101		100		30-150	1		30	A
cis-Chlordane	82		79		30-150	4		30	A
trans-Chlordane	82		90		30-150	9		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: SENDERO VERDE

Project Number: 2984.0001Y000

Lab Number: L1815425

Report Date: 05/07/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 08 Batch: WG1111643-2 WG1111643-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	103		105		30-150	B
Decachlorobiphenyl	113		107		30-150	B
2,4,5,6-Tetrachloro-m-xylene	81		82		30-150	A
Decachlorobiphenyl	112		106		30-150	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: SENDERO VERDE

Project Number: 2984.0001Y000

Lab Number: L1815425

Report Date: 05/07/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-07 Batch: WG1111653-2 WG1111653-3									
Delta-BHC	107		117		30-150	9		30	A
Lindane	95		102		30-150	7		30	A
Alpha-BHC	100		107		30-150	7		30	A
Beta-BHC	125		126		30-150	1		30	A
Heptachlor	91		97		30-150	6		30	A
Aldrin	94		101		30-150	7		30	A
Heptachlor epoxide	92		105		30-150	13		30	A
Endrin	104		117		30-150	12		30	A
Endrin aldehyde	82		91		30-150	10		30	A
Endrin ketone	90		101		30-150	12		30	A
Dieldrin	101		112		30-150	10		30	A
4,4'-DDE	92		100		30-150	8		30	A
4,4'-DDD	92		97		30-150	5		30	A
4,4'-DDT	94		104		30-150	10		30	A
Endosulfan I	88		97		30-150	10		30	A
Endosulfan II	90		97		30-150	7		30	A
Endosulfan sulfate	88		88		30-150	0		30	A
Methoxychlor	101		109		30-150	8		30	A
cis-Chlordane	81		83		30-150	2		30	A
trans-Chlordane	67		75		30-150	11		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: SENDERO VERDE

Project Number: 2984.0001Y000

Lab Number: L1815425

Report Date: 05/07/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-07 Batch: WG1111653-2 WG1111653-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	101		106		30-150	B
Decachlorobiphenyl	102		116		30-150	B
2,4,5,6-Tetrachloro-m-xylene	77		84		30-150	A
Decachlorobiphenyl	110		116		30-150	A

METALS

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815425
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815425-01
Client ID: SB-10 (0-2)
Sample Location: EAST HARLEM, NY
Date Collected: 05/01/18 08:15
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	6230		mg/kg	8.95	2.42	2	05/02/18 21:37	05/03/18 14:46	EPA 3050B	1,6010C	AB
Antimony, Total	0.698	J	mg/kg	4.47	0.340	2	05/02/18 21:37	05/03/18 14:46	EPA 3050B	1,6010C	AB
Arsenic, Total	4.98		mg/kg	0.895	0.186	2	05/02/18 21:37	05/03/18 14:46	EPA 3050B	1,6010C	AB
Barium, Total	677		mg/kg	0.895	0.156	2	05/02/18 21:37	05/03/18 14:46	EPA 3050B	1,6010C	AB
Beryllium, Total	0.242	J	mg/kg	0.447	0.030	2	05/02/18 21:37	05/03/18 14:46	EPA 3050B	1,6010C	AB
Cadmium, Total	1.21		mg/kg	0.895	0.088	2	05/02/18 21:37	05/03/18 14:46	EPA 3050B	1,6010C	AB
Calcium, Total	41000		mg/kg	8.95	3.13	2	05/02/18 21:37	05/03/18 14:46	EPA 3050B	1,6010C	AB
Chromium, Total	13.0		mg/kg	0.895	0.086	2	05/02/18 21:37	05/03/18 14:46	EPA 3050B	1,6010C	AB
Cobalt, Total	4.41		mg/kg	1.79	0.148	2	05/02/18 21:37	05/03/18 14:46	EPA 3050B	1,6010C	AB
Copper, Total	98.4		mg/kg	0.895	0.231	2	05/02/18 21:37	05/03/18 14:46	EPA 3050B	1,6010C	AB
Iron, Total	8890		mg/kg	4.47	0.808	2	05/02/18 21:37	05/03/18 14:46	EPA 3050B	1,6010C	AB
Lead, Total	405		mg/kg	4.47	0.240	2	05/02/18 21:37	05/03/18 14:46	EPA 3050B	1,6010C	AB
Magnesium, Total	3890		mg/kg	8.95	1.38	2	05/02/18 21:37	05/03/18 14:46	EPA 3050B	1,6010C	AB
Manganese, Total	269		mg/kg	0.895	0.142	2	05/02/18 21:37	05/03/18 14:46	EPA 3050B	1,6010C	AB
Mercury, Total	0.367		mg/kg	0.073	0.016	1	05/03/18 07:30	05/03/18 17:28	EPA 7471B	1,7471B	EA
Nickel, Total	9.15		mg/kg	2.24	0.216	2	05/02/18 21:37	05/03/18 14:46	EPA 3050B	1,6010C	AB
Potassium, Total	757		mg/kg	224	12.9	2	05/02/18 21:37	05/03/18 14:46	EPA 3050B	1,6010C	AB
Selenium, Total	0.286	J	mg/kg	1.79	0.231	2	05/02/18 21:37	05/03/18 14:46	EPA 3050B	1,6010C	AB
Silver, Total	ND		mg/kg	0.895	0.253	2	05/02/18 21:37	05/03/18 14:46	EPA 3050B	1,6010C	AB
Sodium, Total	459		mg/kg	179	2.82	2	05/02/18 21:37	05/03/18 14:46	EPA 3050B	1,6010C	AB
Thallium, Total	ND		mg/kg	1.79	0.282	2	05/02/18 21:37	05/03/18 14:46	EPA 3050B	1,6010C	AB
Vanadium, Total	18.1		mg/kg	0.895	0.182	2	05/02/18 21:37	05/03/18 14:46	EPA 3050B	1,6010C	AB
Zinc, Total	626		mg/kg	4.47	0.262	2	05/02/18 21:37	05/03/18 14:46	EPA 3050B	1,6010C	AB

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815425
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815425-02
Client ID: SB-2 (0-2)
Sample Location: EAST HARLEM, NY
Date Collected: 05/01/18 08:45
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 65%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	3350		mg/kg	12.0	3.23	2	05/02/18 21:37	05/03/18 14:51	EPA 3050B	1,6010C	AB
Antimony, Total	0.455	J	mg/kg	5.98	0.455	2	05/02/18 21:37	05/03/18 14:51	EPA 3050B	1,6010C	AB
Arsenic, Total	5.84		mg/kg	1.20	0.249	2	05/02/18 21:37	05/03/18 14:51	EPA 3050B	1,6010C	AB
Barium, Total	131		mg/kg	1.20	0.208	2	05/02/18 21:37	05/03/18 14:51	EPA 3050B	1,6010C	AB
Beryllium, Total	0.144	J	mg/kg	0.598	0.040	2	05/02/18 21:37	05/03/18 14:51	EPA 3050B	1,6010C	AB
Cadmium, Total	0.706	J	mg/kg	1.20	0.117	2	05/02/18 21:37	05/03/18 14:51	EPA 3050B	1,6010C	AB
Calcium, Total	17800		mg/kg	12.0	4.19	2	05/02/18 21:37	05/03/18 14:51	EPA 3050B	1,6010C	AB
Chromium, Total	12.8		mg/kg	1.20	0.115	2	05/02/18 21:37	05/03/18 14:51	EPA 3050B	1,6010C	AB
Cobalt, Total	3.19		mg/kg	2.39	0.198	2	05/02/18 21:37	05/03/18 14:51	EPA 3050B	1,6010C	AB
Copper, Total	45.7		mg/kg	1.20	0.309	2	05/02/18 21:37	05/03/18 14:51	EPA 3050B	1,6010C	AB
Iron, Total	9000		mg/kg	5.98	1.08	2	05/02/18 21:37	05/03/18 14:51	EPA 3050B	1,6010C	AB
Lead, Total	71.7		mg/kg	5.98	0.321	2	05/02/18 21:37	05/03/18 14:51	EPA 3050B	1,6010C	AB
Magnesium, Total	5180		mg/kg	12.0	1.84	2	05/02/18 21:37	05/03/18 14:51	EPA 3050B	1,6010C	AB
Manganese, Total	199		mg/kg	1.20	0.190	2	05/02/18 21:37	05/03/18 14:51	EPA 3050B	1,6010C	AB
Mercury, Total	0.115		mg/kg	0.098	0.021	1	05/03/18 07:30	05/03/18 17:48	EPA 7471B	1,7471B	EA
Nickel, Total	7.92		mg/kg	2.99	0.290	2	05/02/18 21:37	05/03/18 14:51	EPA 3050B	1,6010C	AB
Potassium, Total	1060		mg/kg	299	17.2	2	05/02/18 21:37	05/03/18 14:51	EPA 3050B	1,6010C	AB
Selenium, Total	1.05	J	mg/kg	2.39	0.309	2	05/02/18 21:37	05/03/18 14:51	EPA 3050B	1,6010C	AB
Silver, Total	ND		mg/kg	1.20	0.338	2	05/02/18 21:37	05/03/18 14:51	EPA 3050B	1,6010C	AB
Sodium, Total	137	J	mg/kg	239	3.77	2	05/02/18 21:37	05/03/18 14:51	EPA 3050B	1,6010C	AB
Thallium, Total	ND		mg/kg	2.39	0.377	2	05/02/18 21:37	05/03/18 14:51	EPA 3050B	1,6010C	AB
Vanadium, Total	12.8		mg/kg	1.20	0.243	2	05/02/18 21:37	05/03/18 14:51	EPA 3050B	1,6010C	AB
Zinc, Total	191		mg/kg	5.98	0.350	2	05/02/18 21:37	05/03/18 14:51	EPA 3050B	1,6010C	AB

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815425
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815425-03
Client ID: SB-9 (0-2)
Sample Location: EAST HARLEM, NY
Date Collected: 05/01/18 09:05
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 79%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	3320		mg/kg	9.93	2.68	2	05/02/18 21:37	05/03/18 14:55	EPA 3050B	1,6010C	AB
Antimony, Total	0.814	J	mg/kg	4.96	0.377	2	05/02/18 21:37	05/03/18 14:55	EPA 3050B	1,6010C	AB
Arsenic, Total	5.29		mg/kg	0.993	0.206	2	05/02/18 21:37	05/03/18 14:55	EPA 3050B	1,6010C	AB
Barium, Total	481		mg/kg	0.993	0.173	2	05/02/18 21:37	05/03/18 14:55	EPA 3050B	1,6010C	AB
Beryllium, Total	0.129	J	mg/kg	0.496	0.033	2	05/02/18 21:37	05/03/18 14:55	EPA 3050B	1,6010C	AB
Cadmium, Total	0.854	J	mg/kg	0.993	0.097	2	05/02/18 21:37	05/03/18 14:55	EPA 3050B	1,6010C	AB
Calcium, Total	39100		mg/kg	9.93	3.47	2	05/02/18 21:37	05/03/18 14:55	EPA 3050B	1,6010C	AB
Chromium, Total	13.1		mg/kg	0.993	0.095	2	05/02/18 21:37	05/03/18 14:55	EPA 3050B	1,6010C	AB
Cobalt, Total	3.29		mg/kg	1.98	0.165	2	05/02/18 21:37	05/03/18 14:55	EPA 3050B	1,6010C	AB
Copper, Total	17.0		mg/kg	0.993	0.256	2	05/02/18 21:37	05/03/18 14:55	EPA 3050B	1,6010C	AB
Iron, Total	8530		mg/kg	4.96	0.896	2	05/02/18 21:37	05/03/18 14:55	EPA 3050B	1,6010C	AB
Lead, Total	359		mg/kg	4.96	0.266	2	05/02/18 21:37	05/03/18 14:55	EPA 3050B	1,6010C	AB
Magnesium, Total	2040		mg/kg	9.93	1.53	2	05/02/18 21:37	05/03/18 14:55	EPA 3050B	1,6010C	AB
Manganese, Total	176		mg/kg	0.993	0.158	2	05/02/18 21:37	05/03/18 14:55	EPA 3050B	1,6010C	AB
Mercury, Total	0.790		mg/kg	0.081	0.017	1	05/03/18 07:30	05/03/18 17:50	EPA 7471B	1,7471B	EA
Nickel, Total	5.90		mg/kg	2.48	0.240	2	05/02/18 21:37	05/03/18 14:55	EPA 3050B	1,6010C	AB
Potassium, Total	431		mg/kg	248	14.3	2	05/02/18 21:37	05/03/18 14:55	EPA 3050B	1,6010C	AB
Selenium, Total	0.457	J	mg/kg	1.98	0.256	2	05/02/18 21:37	05/03/18 14:55	EPA 3050B	1,6010C	AB
Silver, Total	ND		mg/kg	0.993	0.281	2	05/02/18 21:37	05/03/18 14:55	EPA 3050B	1,6010C	AB
Sodium, Total	265		mg/kg	198	3.13	2	05/02/18 21:37	05/03/18 14:55	EPA 3050B	1,6010C	AB
Thallium, Total	ND		mg/kg	1.98	0.313	2	05/02/18 21:37	05/03/18 14:55	EPA 3050B	1,6010C	AB
Vanadium, Total	12.3		mg/kg	0.993	0.202	2	05/02/18 21:37	05/03/18 14:55	EPA 3050B	1,6010C	AB
Zinc, Total	622		mg/kg	4.96	0.291	2	05/02/18 21:37	05/03/18 14:55	EPA 3050B	1,6010C	AB

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815425
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815425-04
Client ID: SB-1 (0-2)
Sample Location: EAST HARLEM, NY
Sample Depth:
Matrix: Soil
Percent Solids: 83%

Date Collected: 05/01/18 10:00
Date Received: 05/01/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	4430		mg/kg	9.15	2.47	2	05/02/18 21:37	05/03/18 15:00	EPA 3050B	1,6010C	AB
Antimony, Total	7.07		mg/kg	4.57	0.348	2	05/02/18 21:37	05/03/18 15:00	EPA 3050B	1,6010C	AB
Arsenic, Total	5.40		mg/kg	0.915	0.190	2	05/02/18 21:37	05/03/18 15:00	EPA 3050B	1,6010C	AB
Barium, Total	403		mg/kg	0.915	0.159	2	05/02/18 21:37	05/03/18 15:00	EPA 3050B	1,6010C	AB
Beryllium, Total	0.201	J	mg/kg	0.457	0.030	2	05/02/18 21:37	05/03/18 15:00	EPA 3050B	1,6010C	AB
Cadmium, Total	1.40		mg/kg	0.915	0.090	2	05/02/18 21:37	05/03/18 15:00	EPA 3050B	1,6010C	AB
Calcium, Total	14600		mg/kg	9.15	3.20	2	05/02/18 21:37	05/03/18 15:00	EPA 3050B	1,6010C	AB
Chromium, Total	17.4		mg/kg	0.915	0.088	2	05/02/18 21:37	05/03/18 15:00	EPA 3050B	1,6010C	AB
Cobalt, Total	3.99		mg/kg	1.83	0.152	2	05/02/18 21:37	05/03/18 15:00	EPA 3050B	1,6010C	AB
Copper, Total	5060		mg/kg	0.915	0.236	2	05/02/18 21:37	05/03/18 15:00	EPA 3050B	1,6010C	AB
Iron, Total	15200		mg/kg	4.57	0.826	2	05/02/18 21:37	05/03/18 15:00	EPA 3050B	1,6010C	AB
Lead, Total	458		mg/kg	4.57	0.245	2	05/02/18 21:37	05/03/18 15:00	EPA 3050B	1,6010C	AB
Magnesium, Total	2670		mg/kg	9.15	1.41	2	05/02/18 21:37	05/03/18 15:00	EPA 3050B	1,6010C	AB
Manganese, Total	222		mg/kg	0.915	0.145	2	05/02/18 21:37	05/03/18 15:00	EPA 3050B	1,6010C	AB
Mercury, Total	0.259		mg/kg	0.077	0.016	1	05/03/18 07:30	05/03/18 17:52	EPA 7471B	1,7471B	EA
Nickel, Total	14.9		mg/kg	2.29	0.221	2	05/02/18 21:37	05/03/18 15:00	EPA 3050B	1,6010C	AB
Potassium, Total	422		mg/kg	229	13.2	2	05/02/18 21:37	05/03/18 15:00	EPA 3050B	1,6010C	AB
Selenium, Total	0.485	J	mg/kg	1.83	0.236	2	05/02/18 21:37	05/03/18 15:00	EPA 3050B	1,6010C	AB
Silver, Total	0.540	J	mg/kg	0.915	0.259	2	05/02/18 21:37	05/03/18 15:00	EPA 3050B	1,6010C	AB
Sodium, Total	128	J	mg/kg	183	2.88	2	05/02/18 21:37	05/03/18 15:00	EPA 3050B	1,6010C	AB
Thallium, Total	ND		mg/kg	1.83	0.288	2	05/02/18 21:37	05/03/18 15:00	EPA 3050B	1,6010C	AB
Vanadium, Total	17.9		mg/kg	0.915	0.186	2	05/02/18 21:37	05/03/18 15:00	EPA 3050B	1,6010C	AB
Zinc, Total	436		mg/kg	4.57	0.268	2	05/02/18 21:37	05/03/18 15:00	EPA 3050B	1,6010C	AB

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815425
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815425-05
Client ID: SB-11 (0-2)
Sample Location: EAST HARLEM, NY
Date Collected: 05/01/18 10:45
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	4400		mg/kg	8.61	2.32	2	05/02/18 21:37	05/03/18 15:04	EPA 3050B	1,6010C	AB
Antimony, Total	0.999	J	mg/kg	4.30	0.327	2	05/02/18 21:37	05/03/18 15:04	EPA 3050B	1,6010C	AB
Arsenic, Total	3.80		mg/kg	0.861	0.179	2	05/02/18 21:37	05/03/18 15:04	EPA 3050B	1,6010C	AB
Barium, Total	281		mg/kg	0.861	0.150	2	05/02/18 21:37	05/03/18 15:04	EPA 3050B	1,6010C	AB
Beryllium, Total	0.241	J	mg/kg	0.430	0.028	2	05/02/18 21:37	05/03/18 15:04	EPA 3050B	1,6010C	AB
Cadmium, Total	0.723	J	mg/kg	0.861	0.084	2	05/02/18 21:37	05/03/18 15:04	EPA 3050B	1,6010C	AB
Calcium, Total	14500		mg/kg	8.61	3.01	2	05/02/18 21:37	05/03/18 15:04	EPA 3050B	1,6010C	AB
Chromium, Total	11.2		mg/kg	0.861	0.083	2	05/02/18 21:37	05/03/18 15:04	EPA 3050B	1,6010C	AB
Cobalt, Total	4.16		mg/kg	1.72	0.143	2	05/02/18 21:37	05/03/18 15:04	EPA 3050B	1,6010C	AB
Copper, Total	28.4		mg/kg	0.861	0.222	2	05/02/18 21:37	05/03/18 15:04	EPA 3050B	1,6010C	AB
Iron, Total	8830		mg/kg	4.30	0.777	2	05/02/18 21:37	05/03/18 15:04	EPA 3050B	1,6010C	AB
Lead, Total	165		mg/kg	4.30	0.231	2	05/02/18 21:37	05/03/18 15:04	EPA 3050B	1,6010C	AB
Magnesium, Total	3060		mg/kg	8.61	1.32	2	05/02/18 21:37	05/03/18 15:04	EPA 3050B	1,6010C	AB
Manganese, Total	265		mg/kg	0.861	0.137	2	05/02/18 21:37	05/03/18 15:04	EPA 3050B	1,6010C	AB
Mercury, Total	0.298		mg/kg	0.072	0.015	1	05/03/18 07:30	05/03/18 17:54	EPA 7471B	1,7471B	EA
Nickel, Total	10.4		mg/kg	2.15	0.208	2	05/02/18 21:37	05/03/18 15:04	EPA 3050B	1,6010C	AB
Potassium, Total	540		mg/kg	215	12.4	2	05/02/18 21:37	05/03/18 15:04	EPA 3050B	1,6010C	AB
Selenium, Total	0.482	J	mg/kg	1.72	0.222	2	05/02/18 21:37	05/03/18 15:04	EPA 3050B	1,6010C	AB
Silver, Total	ND		mg/kg	0.861	0.244	2	05/02/18 21:37	05/03/18 15:04	EPA 3050B	1,6010C	AB
Sodium, Total	128	J	mg/kg	172	2.71	2	05/02/18 21:37	05/03/18 15:04	EPA 3050B	1,6010C	AB
Thallium, Total	ND		mg/kg	1.72	0.271	2	05/02/18 21:37	05/03/18 15:04	EPA 3050B	1,6010C	AB
Vanadium, Total	17.3		mg/kg	0.861	0.175	2	05/02/18 21:37	05/03/18 15:04	EPA 3050B	1,6010C	AB
Zinc, Total	274		mg/kg	4.30	0.252	2	05/02/18 21:37	05/03/18 15:04	EPA 3050B	1,6010C	AB

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815425
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815425-06
Client ID: SB-3 (17-19)
Sample Location: EAST HARLEM, NY
Date Collected: 05/01/18 11:30
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	2280		mg/kg	9.04	2.44	2	05/02/18 21:37	05/03/18 15:27	EPA 3050B	1,6010C	AB
Antimony, Total	ND		mg/kg	4.52	0.344	2	05/02/18 21:37	05/03/18 15:27	EPA 3050B	1,6010C	AB
Arsenic, Total	0.570	J	mg/kg	0.904	0.188	2	05/02/18 21:37	05/03/18 15:27	EPA 3050B	1,6010C	AB
Barium, Total	16.4		mg/kg	0.904	0.157	2	05/02/18 21:37	05/03/18 15:27	EPA 3050B	1,6010C	AB
Beryllium, Total	0.163	J	mg/kg	0.452	0.030	2	05/02/18 21:37	05/03/18 15:27	EPA 3050B	1,6010C	AB
Cadmium, Total	ND		mg/kg	0.904	0.089	2	05/02/18 21:37	05/03/18 15:27	EPA 3050B	1,6010C	AB
Calcium, Total	343		mg/kg	9.04	3.16	2	05/02/18 21:37	05/03/18 15:27	EPA 3050B	1,6010C	AB
Chromium, Total	7.04		mg/kg	0.904	0.087	2	05/02/18 21:37	05/03/18 15:27	EPA 3050B	1,6010C	AB
Cobalt, Total	2.04		mg/kg	1.81	0.150	2	05/02/18 21:37	05/03/18 15:27	EPA 3050B	1,6010C	AB
Copper, Total	8.98		mg/kg	0.904	0.233	2	05/02/18 21:37	05/03/18 15:27	EPA 3050B	1,6010C	AB
Iron, Total	4990		mg/kg	4.52	0.817	2	05/02/18 21:37	05/03/18 15:27	EPA 3050B	1,6010C	AB
Lead, Total	1.74	J	mg/kg	4.52	0.242	2	05/02/18 21:37	05/03/18 15:27	EPA 3050B	1,6010C	AB
Magnesium, Total	854		mg/kg	9.04	1.39	2	05/02/18 21:37	05/03/18 15:27	EPA 3050B	1,6010C	AB
Manganese, Total	144		mg/kg	0.904	0.144	2	05/02/18 21:37	05/03/18 15:27	EPA 3050B	1,6010C	AB
Mercury, Total	ND		mg/kg	0.073	0.015	1	05/03/18 07:30	05/03/18 17:56	EPA 7471B	1,7471B	EA
Nickel, Total	3.70		mg/kg	2.26	0.219	2	05/02/18 21:37	05/03/18 15:27	EPA 3050B	1,6010C	AB
Potassium, Total	247		mg/kg	226	13.0	2	05/02/18 21:37	05/03/18 15:27	EPA 3050B	1,6010C	AB
Selenium, Total	ND		mg/kg	1.81	0.233	2	05/02/18 21:37	05/03/18 15:27	EPA 3050B	1,6010C	AB
Silver, Total	ND		mg/kg	0.904	0.256	2	05/02/18 21:37	05/03/18 15:27	EPA 3050B	1,6010C	AB
Sodium, Total	47.4	J	mg/kg	181	2.85	2	05/02/18 21:37	05/03/18 15:27	EPA 3050B	1,6010C	AB
Thallium, Total	ND		mg/kg	1.81	0.285	2	05/02/18 21:37	05/03/18 15:27	EPA 3050B	1,6010C	AB
Vanadium, Total	7.04		mg/kg	0.904	0.184	2	05/02/18 21:37	05/03/18 15:27	EPA 3050B	1,6010C	AB
Zinc, Total	6.66		mg/kg	4.52	0.265	2	05/02/18 21:37	05/03/18 15:27	EPA 3050B	1,6010C	AB

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815425
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815425-07
Client ID: SB-10 (15-17)
Sample Location: EAST HARLEM, NY
Date Collected: 05/01/18 12:45
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5210		mg/kg	8.82	2.38	2	05/02/18 21:37	05/03/18 15:32	EPA 3050B	1,6010C	AB
Antimony, Total	ND		mg/kg	4.41	0.335	2	05/02/18 21:37	05/03/18 15:32	EPA 3050B	1,6010C	AB
Arsenic, Total	1.45		mg/kg	0.882	0.183	2	05/02/18 21:37	05/03/18 15:32	EPA 3050B	1,6010C	AB
Barium, Total	32.8		mg/kg	0.882	0.153	2	05/02/18 21:37	05/03/18 15:32	EPA 3050B	1,6010C	AB
Beryllium, Total	0.344	J	mg/kg	0.441	0.029	2	05/02/18 21:37	05/03/18 15:32	EPA 3050B	1,6010C	AB
Cadmium, Total	0.176	J	mg/kg	0.882	0.086	2	05/02/18 21:37	05/03/18 15:32	EPA 3050B	1,6010C	AB
Calcium, Total	2000		mg/kg	8.82	3.08	2	05/02/18 21:37	05/03/18 15:32	EPA 3050B	1,6010C	AB
Chromium, Total	14.8		mg/kg	0.882	0.085	2	05/02/18 21:37	05/03/18 15:32	EPA 3050B	1,6010C	AB
Cobalt, Total	5.53		mg/kg	1.76	0.146	2	05/02/18 21:37	05/03/18 15:32	EPA 3050B	1,6010C	AB
Copper, Total	30.0		mg/kg	0.882	0.227	2	05/02/18 21:37	05/03/18 15:32	EPA 3050B	1,6010C	AB
Iron, Total	12000		mg/kg	4.41	0.796	2	05/02/18 21:37	05/03/18 15:32	EPA 3050B	1,6010C	AB
Lead, Total	3.51	J	mg/kg	4.41	0.236	2	05/02/18 21:37	05/03/18 15:32	EPA 3050B	1,6010C	AB
Magnesium, Total	3310		mg/kg	8.82	1.36	2	05/02/18 21:37	05/03/18 15:32	EPA 3050B	1,6010C	AB
Manganese, Total	129		mg/kg	0.882	0.140	2	05/02/18 21:37	05/03/18 15:32	EPA 3050B	1,6010C	AB
Mercury, Total	ND		mg/kg	0.071	0.015	1	05/03/18 07:30	05/03/18 17:57	EPA 7471B	1,7471B	EA
Nickel, Total	19.8		mg/kg	2.20	0.213	2	05/02/18 21:37	05/03/18 15:32	EPA 3050B	1,6010C	AB
Potassium, Total	655		mg/kg	220	12.7	2	05/02/18 21:37	05/03/18 15:32	EPA 3050B	1,6010C	AB
Selenium, Total	ND		mg/kg	1.76	0.227	2	05/02/18 21:37	05/03/18 15:32	EPA 3050B	1,6010C	AB
Silver, Total	ND		mg/kg	0.882	0.250	2	05/02/18 21:37	05/03/18 15:32	EPA 3050B	1,6010C	AB
Sodium, Total	183		mg/kg	176	2.78	2	05/02/18 21:37	05/03/18 15:32	EPA 3050B	1,6010C	AB
Thallium, Total	ND		mg/kg	1.76	0.278	2	05/02/18 21:37	05/03/18 15:32	EPA 3050B	1,6010C	AB
Vanadium, Total	32.0		mg/kg	0.882	0.179	2	05/02/18 21:37	05/03/18 15:32	EPA 3050B	1,6010C	AB
Zinc, Total	24.8		mg/kg	4.41	0.258	2	05/02/18 21:37	05/03/18 15:32	EPA 3050B	1,6010C	AB

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815425
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815425-08
Client ID: SB-4 (11-13)
Sample Location: EAST HARLEM, NY
Date Collected: 05/01/18 14:30
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5470		mg/kg	8.92	2.41	2	05/02/18 21:37	05/03/18 15:36	EPA 3050B	1,6010C	AB
Antimony, Total	ND		mg/kg	4.46	0.339	2	05/02/18 21:37	05/03/18 15:36	EPA 3050B	1,6010C	AB
Arsenic, Total	2.80		mg/kg	0.892	0.186	2	05/02/18 21:37	05/03/18 15:36	EPA 3050B	1,6010C	AB
Barium, Total	439		mg/kg	0.892	0.155	2	05/02/18 21:37	05/03/18 15:36	EPA 3050B	1,6010C	AB
Beryllium, Total	0.286	J	mg/kg	0.446	0.029	2	05/02/18 21:37	05/03/18 15:36	EPA 3050B	1,6010C	AB
Cadmium, Total	0.526	J	mg/kg	0.892	0.087	2	05/02/18 21:37	05/03/18 15:36	EPA 3050B	1,6010C	AB
Calcium, Total	25900		mg/kg	8.92	3.12	2	05/02/18 21:37	05/03/18 15:36	EPA 3050B	1,6010C	AB
Chromium, Total	13.8		mg/kg	0.892	0.086	2	05/02/18 21:37	05/03/18 15:36	EPA 3050B	1,6010C	AB
Cobalt, Total	5.22		mg/kg	1.78	0.148	2	05/02/18 21:37	05/03/18 15:36	EPA 3050B	1,6010C	AB
Copper, Total	20.7		mg/kg	0.892	0.230	2	05/02/18 21:37	05/03/18 15:36	EPA 3050B	1,6010C	AB
Iron, Total	11400		mg/kg	4.46	0.806	2	05/02/18 21:37	05/03/18 15:36	EPA 3050B	1,6010C	AB
Lead, Total	79.4		mg/kg	4.46	0.239	2	05/02/18 21:37	05/03/18 15:36	EPA 3050B	1,6010C	AB
Magnesium, Total	3700		mg/kg	8.92	1.37	2	05/02/18 21:37	05/03/18 15:36	EPA 3050B	1,6010C	AB
Manganese, Total	231		mg/kg	0.892	0.142	2	05/02/18 21:37	05/03/18 15:36	EPA 3050B	1,6010C	AB
Mercury, Total	0.187		mg/kg	0.072	0.015	1	05/03/18 07:30	05/03/18 17:59	EPA 7471B	1,7471B	EA
Nickel, Total	8.89		mg/kg	2.23	0.216	2	05/02/18 21:37	05/03/18 15:36	EPA 3050B	1,6010C	AB
Potassium, Total	1090		mg/kg	223	12.8	2	05/02/18 21:37	05/03/18 15:36	EPA 3050B	1,6010C	AB
Selenium, Total	0.303	J	mg/kg	1.78	0.230	2	05/02/18 21:37	05/03/18 15:36	EPA 3050B	1,6010C	AB
Silver, Total	ND		mg/kg	0.892	0.252	2	05/02/18 21:37	05/03/18 15:36	EPA 3050B	1,6010C	AB
Sodium, Total	197		mg/kg	178	2.81	2	05/02/18 21:37	05/03/18 15:36	EPA 3050B	1,6010C	AB
Thallium, Total	ND		mg/kg	1.78	0.281	2	05/02/18 21:37	05/03/18 15:36	EPA 3050B	1,6010C	AB
Vanadium, Total	18.4		mg/kg	0.892	0.181	2	05/02/18 21:37	05/03/18 15:36	EPA 3050B	1,6010C	AB
Zinc, Total	293		mg/kg	4.46	0.261	2	05/02/18 21:37	05/03/18 15:36	EPA 3050B	1,6010C	AB

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815425
Report Date: 05/07/18

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-08 Batch: WG1111987-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	05/02/18 21:37	05/03/18 13:34	1,6010C	PE
Antimony, Total	ND		mg/kg	2.00	0.152	1	05/02/18 21:37	05/03/18 13:34	1,6010C	PE
Arsenic, Total	ND		mg/kg	0.400	0.083	1	05/02/18 21:37	05/03/18 13:34	1,6010C	PE
Barium, Total	ND		mg/kg	0.400	0.070	1	05/02/18 21:37	05/03/18 13:34	1,6010C	PE
Beryllium, Total	ND		mg/kg	0.200	0.013	1	05/02/18 21:37	05/03/18 13:34	1,6010C	PE
Cadmium, Total	ND		mg/kg	0.400	0.039	1	05/02/18 21:37	05/03/18 13:34	1,6010C	PE
Calcium, Total	1.72	J	mg/kg	4.00	1.40	1	05/02/18 21:37	05/03/18 13:34	1,6010C	PE
Chromium, Total	ND		mg/kg	0.400	0.038	1	05/02/18 21:37	05/03/18 13:34	1,6010C	PE
Cobalt, Total	ND		mg/kg	0.800	0.066	1	05/02/18 21:37	05/03/18 13:34	1,6010C	PE
Copper, Total	ND		mg/kg	0.400	0.103	1	05/02/18 21:37	05/03/18 13:34	1,6010C	PE
Iron, Total	10.9		mg/kg	2.00	0.361	1	05/02/18 21:37	05/03/18 13:34	1,6010C	PE
Lead, Total	ND		mg/kg	2.00	0.107	1	05/02/18 21:37	05/03/18 13:34	1,6010C	PE
Magnesium, Total	ND		mg/kg	4.00	0.616	1	05/02/18 21:37	05/03/18 13:34	1,6010C	PE
Manganese, Total	0.220	J	mg/kg	0.400	0.064	1	05/02/18 21:37	05/03/18 13:34	1,6010C	PE
Nickel, Total	ND		mg/kg	1.00	0.097	1	05/02/18 21:37	05/03/18 13:34	1,6010C	PE
Potassium, Total	ND		mg/kg	100	5.76	1	05/02/18 21:37	05/03/18 13:34	1,6010C	PE
Selenium, Total	ND		mg/kg	0.800	0.103	1	05/02/18 21:37	05/03/18 13:34	1,6010C	PE
Silver, Total	ND		mg/kg	0.400	0.113	1	05/02/18 21:37	05/03/18 13:34	1,6010C	PE
Sodium, Total	5.70	J	mg/kg	80.0	1.26	1	05/02/18 21:37	05/03/18 13:34	1,6010C	PE
Thallium, Total	ND		mg/kg	0.800	0.126	1	05/02/18 21:37	05/03/18 13:34	1,6010C	PE
Vanadium, Total	ND		mg/kg	0.400	0.081	1	05/02/18 21:37	05/03/18 13:34	1,6010C	PE
Zinc, Total	ND		mg/kg	2.00	0.117	1	05/02/18 21:37	05/03/18 13:34	1,6010C	PE

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-08 Batch: WG1112075-1										
Mercury, Total	ND		mg/kg	0.083	0.018	1	05/03/18 07:30	05/03/18 17:24	1,7471B	EA

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815425
Report Date: 05/07/18

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: SENDERO VERDE

Project Number: 2984.0001Y000

Lab Number: L1815425

Report Date: 05/07/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-08 Batch: WG1111987-2 SRM Lot Number: D098-540								
Aluminum, Total	65		-		47-153	-		
Antimony, Total	170		-		6-194	-		
Arsenic, Total	103		-		83-117	-		
Barium, Total	84		-		82-118	-		
Beryllium, Total	91		-		83-117	-		
Cadmium, Total	98		-		82-117	-		
Calcium, Total	84		-		81-118	-		
Chromium, Total	91		-		83-119	-		
Cobalt, Total	97		-		84-116	-		
Copper, Total	91		-		84-116	-		
Iron, Total	79		-		60-140	-		
Lead, Total	96		-		82-117	-		
Magnesium, Total	81		-		76-124	-		
Manganese, Total	82		-		82-118	-		
Nickel, Total	97		-		82-117	-		
Potassium, Total	79		-		69-131	-		
Selenium, Total	101		-		78-121	-		
Silver, Total	98		-		80-120	-		
Sodium, Total	90		-		74-126	-		
Thallium, Total	100		-		80-119	-		
Vanadium, Total	90		-		79-121	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: SENDERO VERDE

Project Number: 2984.0001Y000

Lab Number: L1815425

Report Date: 05/07/18

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-08 Batch: WG1111987-2 SRM Lot Number: D098-540					
Zinc, Total	98	-	81-119	-	
Total Metals - Mansfield Lab Associated sample(s): 01-08 Batch: WG1112075-2 SRM Lot Number: D098-540					
Mercury, Total	91	-	50-149	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815425
Report Date: 05/07/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-08 QC Batch ID: WG1111987-3 QC Sample: L1815370-01 Client ID: MS Sample												
Aluminum, Total	5620	186	7610	**1070**	Q	-	-		75-125	-		20
Antimony, Total	ND	46.6	41.9	90		-	-		75-125	-		20
Arsenic, Total	6.35	11.2	18.4	108		-	-		75-125	-		20
Barium, Total	60.3	186	238	95		-	-		75-125	-		20
Beryllium, Total	0.206J	4.66	4.78	102		-	-		75-125	-		20
Cadmium, Total	0.286J	4.75	4.78	100		-	-		75-125	-		20
Calcium, Total	2130	932	2880	80		-	-		75-125	-		20
Chromium, Total	7.13	18.6	26.2	102		-	-		75-125	-		20
Cobalt, Total	2.68	46.6	44.2	89		-	-		75-125	-		20
Copper, Total	11.3	23.3	33.5	95		-	-		75-125	-		20
Iron, Total	10900	93.2	9440	**0**	Q	-	-		75-125	-		20
Lead, Total	36.5	47.5	76.3	84		-	-		75-125	-		20
Magnesium, Total	987.	932	1910	99		-	-		75-125	-		20
Manganese, Total	133.	46.6	150	**36**	Q	-	-		75-125	-		20
Nickel, Total	6.25	46.6	47.8	89		-	-		75-125	-		20
Potassium, Total	303.	932	1240	100		-	-		75-125	-		20
Selenium, Total	0.724J	11.2	10.8	96		-	-		75-125	-		20
Silver, Total	ND	28	29.1	104		-	-		75-125	-		20
Sodium, Total	35.6J	932	1000	107		-	-		75-125	-		20
Thallium, Total	ND	11.2	9.47	85		-	-		75-125	-		20
Vanadium, Total	12.7	46.6	59.3	100		-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815425
Report Date: 05/07/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-08 QC Batch ID: WG1111987-3 QC Sample: L1815370-01 Client ID: MS Sample									
Zinc, Total	53.2	46.6	96.3	92	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 01-08 QC Batch ID: WG1112075-3 QC Sample: L1815425-01 Client ID: SB-10 (0-2)									
Mercury, Total	0.367	0.152	0.541	115	-	-	80-120	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815425
Report Date: 05/07/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-08 QC Batch ID: WG1111987-4 QC Sample: L1815370-01 Client ID: DUP Sample						
Aluminum, Total	5620	5890	mg/kg	5		20
Antimony, Total	ND	ND	mg/kg	NC		20
Arsenic, Total	6.35	5.81	mg/kg	9		20
Barium, Total	60.3	76.1	mg/kg	**23**	Q	20
Beryllium, Total	0.206J	0.209J	mg/kg	NC		20
Cadmium, Total	0.286J	0.254J	mg/kg	NC		20
Calcium, Total	2130	3320	mg/kg	**44**	Q	20
Chromium, Total	7.13	7.54	mg/kg	6		20
Cobalt, Total	2.68	2.40	mg/kg	11		20
Copper, Total	11.3	11.1	mg/kg	2		20
Iron, Total	10900	7770	mg/kg	**34**	Q	20
Lead, Total	36.5	33.7	mg/kg	8		20
Magnesium, Total	987.	1320	mg/kg	**29**	Q	20
Manganese, Total	133.	97.8	mg/kg	**31**	Q	20
Nickel, Total	6.25	5.09	mg/kg	20		20
Potassium, Total	303.	271	mg/kg	11		20
Selenium, Total	0.724J	0.282J	mg/kg	NC		20
Silver, Total	ND	ND	mg/kg	NC		20
Sodium, Total	35.6J	38.8J	mg/kg	NC		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815425
Report Date: 05/07/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-08 QC Batch ID: WG1111987-4 QC Sample: L1815370-01 Client ID: DUP Sample					
Thallium, Total	ND	ND	mg/kg	NC	20
Vanadium, Total	12.7	12.8	mg/kg	1	20
Zinc, Total	53.2	58.2	mg/kg	9	20
Total Metals - Mansfield Lab Associated sample(s): 01-08 QC Batch ID: WG1112075-4 QC Sample: L1815425-01 Client ID: SB-10 (0-2)					
Mercury, Total	0.367	0.352	mg/kg	4	20

INORGANICS
&
MISCELLANEOUS

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815425
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815425-01
Client ID: SB-10 (0-2)
Sample Location: EAST HARLEM, NY

Date Collected: 05/01/18 08:15
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.7		%	0.100	NA	1	-	05/02/18 08:11	121,2540G	RI

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815425
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815425-02
Client ID: SB-2 (0-2)
Sample Location: EAST HARLEM, NY

Date Collected: 05/01/18 08:45
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	65.1		%	0.100	NA	1	-	05/02/18 08:11	121,2540G	RI

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815425
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815425-03
Client ID: SB-9 (0-2)
Sample Location: EAST HARLEM, NY

Date Collected: 05/01/18 09:05
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	79.0		%	0.100	NA	1	-	05/02/18 08:11	121,2540G	RI

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815425
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815425-04
Client ID: SB-1 (0-2)
Sample Location: EAST HARLEM, NY

Date Collected: 05/01/18 10:00
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	82.7		%	0.100	NA	1	-	05/02/18 08:11	121,2540G	RI

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815425
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815425-05
Client ID: SB-11 (0-2)
Sample Location: EAST HARLEM, NY

Date Collected: 05/01/18 10:45
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.2		%	0.100	NA	1	-	05/02/18 08:11	121,2540G	RI

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815425
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815425-06
Client ID: SB-3 (17-19)
Sample Location: EAST HARLEM, NY

Date Collected: 05/01/18 11:30
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.2		%	0.100	NA	1	-	05/02/18 08:11	121,2540G	RI

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815425
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815425-07
Client ID: SB-10 (15-17)
Sample Location: EAST HARLEM, NY

Date Collected: 05/01/18 12:45
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.8		%	0.100	NA	1	-	05/02/18 08:11	121,2540G	RI

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815425
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815425-08
Client ID: SB-4 (11-13)
Sample Location: EAST HARLEM, NY

Date Collected: 05/01/18 14:30
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.0		%	0.100	NA	1	-	05/02/18 08:11	121,2540G	RI

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815425
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815425-09
Client ID: SB-10 1'
Sample Location: EAST HARLEM, NY

Date Collected: 05/01/18 08:15
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.7		%	0.100	NA	1	-	05/02/18 08:11	121,2540G	RI

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815425
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815425-10
Client ID: SB-2 1'
Sample Location: EAST HARLEM, NY

Date Collected: 05/01/18 08:45
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	65.1		%	0.100	NA	1	-	05/02/18 08:11	121,2540G	RI

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815425
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815425-11
Client ID: SB-9 1'
Sample Location: EAST HARLEM, NY

Date Collected: 05/01/18 09:05
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	79.0		%	0.100	NA	1	-	05/02/18 08:11	121,2540G	RI

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815425
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815425-12
Client ID: SB-1 1'
Sample Location: EAST HARLEM, NY

Date Collected: 05/01/18 10:00
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	82.7		%	0.100	NA	1	-	05/02/18 08:11	121,2540G	RI

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815425
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815425-13
Client ID: SB-11 1'
Sample Location: EAST HARLEM, NY

Date Collected: 05/01/18 10:45
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.2		%	0.100	NA	1	-	05/02/18 08:11	121,2540G	RI

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815425
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815425-14
Client ID: SB-3 18'
Sample Location: EAST HARLEM, NY

Date Collected: 05/01/18 11:30
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.2		%	0.100	NA	1	-	05/02/18 08:11	121,2540G	RI

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815425
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815425-15
Client ID: SB-10 16'
Sample Location: EAST HARLEM, NY

Date Collected: 05/01/18 12:45
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.8		%	0.100	NA	1	-	05/02/18 08:11	121,2540G	RI

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815425
Report Date: 05/07/18

SAMPLE RESULTS

Lab ID: L1815425-16
Client ID: SB-4 12.5'
Sample Location: EAST HARLEM, NY

Date Collected: 05/01/18 14:30
Date Received: 05/01/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.0		%	0.100	NA	1	-	05/02/18 08:11	121,2540G	RI

Lab Duplicate Analysis
Batch Quality Control

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815425
Report Date: 05/07/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-16 QC Batch ID: WG1111707-1 QC Sample: L1815370-01 Client ID: DUP Sample						
Solids, Total	83.8	84.9	%	1		20

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815425
Report Date: 05/07/18

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1815425-01A	5 gram Encore Sampler	A	NA		3.9	Y	Absent		-
L1815425-01B	5 gram Encore Sampler	A	NA		3.9	Y	Absent		-
L1815425-01C	5 gram Encore Sampler	A	NA		3.9	Y	Absent		-
L1815425-01D	Plastic 2oz unpreserved for TS	A	NA		3.9	Y	Absent		TS(7)
L1815425-01E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.9	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1815425-01F	Glass 250ml/8oz unpreserved	A	NA		3.9	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)
L1815425-01X	Vial MeOH preserved split	A	NA		3.9	Y	Absent		-
L1815425-01Y	Vial Water preserved split	A	NA		3.9	Y	Absent	02-MAY-18 11:22	-
L1815425-01Z	Vial Water preserved split	A	NA		3.9	Y	Absent	02-MAY-18 11:22	-
L1815425-02A	5 gram Encore Sampler	A	NA		3.9	Y	Absent		-
L1815425-02B	5 gram Encore Sampler	A	NA		3.9	Y	Absent		-
L1815425-02C	5 gram Encore Sampler	A	NA		3.9	Y	Absent		-
L1815425-02D	Plastic 2oz unpreserved for TS	A	NA		3.9	Y	Absent		TS(7)
L1815425-02E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.9	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1815425-02F	Glass 250ml/8oz unpreserved	A	NA		3.9	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)
L1815425-02X	Vial MeOH preserved split	A	NA		3.9	Y	Absent		-
L1815425-02Y	Vial Water preserved split	A	NA		3.9	Y	Absent	02-MAY-18 11:22	-

*Values in parentheses indicate holding time in days

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815425
Report Date: 05/07/18

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1815425-02Z	Vial Water preserved split	A	NA		3.9	Y	Absent	02-MAY-18 11:22	-
L1815425-03A	5 gram Encore Sampler	A	NA		3.9	Y	Absent		-
L1815425-03B	5 gram Encore Sampler	A	NA		3.9	Y	Absent		-
L1815425-03C	5 gram Encore Sampler	A	NA		3.9	Y	Absent		-
L1815425-03D	Plastic 2oz unpreserved for TS	A	NA		3.9	Y	Absent		TS(7)
L1815425-03E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.9	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1815425-03F	Glass 250ml/8oz unpreserved	A	NA		3.9	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)
L1815425-03X	Vial MeOH preserved split	A	NA		3.9	Y	Absent		-
L1815425-03Y	Vial Water preserved split	A	NA		3.9	Y	Absent	02-MAY-18 11:22	-
L1815425-03Z	Vial Water preserved split	A	NA		3.9	Y	Absent	02-MAY-18 11:22	-
L1815425-04A	5 gram Encore Sampler	A	NA		3.9	Y	Absent		-
L1815425-04B	5 gram Encore Sampler	A	NA		3.9	Y	Absent		-
L1815425-04C	5 gram Encore Sampler	A	NA		3.9	Y	Absent		-
L1815425-04D	Plastic 2oz unpreserved for TS	A	NA		3.9	Y	Absent		TS(7)
L1815425-04E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.9	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1815425-04F	Glass 250ml/8oz unpreserved	A	NA		3.9	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)
L1815425-04X	Vial MeOH preserved split	A	NA		3.9	Y	Absent		-
L1815425-04Y	Vial Water preserved split	A	NA		3.9	Y	Absent	02-MAY-18 11:22	-
L1815425-04Z	Vial Water preserved split	A	NA		3.9	Y	Absent	02-MAY-18 11:22	-
L1815425-05A	5 gram Encore Sampler	A	NA		3.9	Y	Absent		-
L1815425-05B	5 gram Encore Sampler	A	NA		3.9	Y	Absent		-
L1815425-05C	5 gram Encore Sampler	A	NA		3.9	Y	Absent		-
L1815425-05D	Plastic 2oz unpreserved for TS	A	NA		3.9	Y	Absent		TS(7)

*Values in parentheses indicate holding time in days

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815425
Report Date: 05/07/18

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1815425-05E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.9	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1815425-05F	Glass 250ml/8oz unpreserved	A	NA		3.9	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)
L1815425-05X	Vial MeOH preserved split	A	NA		3.9	Y	Absent		-
L1815425-05Y	Vial Water preserved split	A	NA		3.9	Y	Absent	02-MAY-18 11:22	-
L1815425-05Z	Vial Water preserved split	A	NA		3.9	Y	Absent	02-MAY-18 11:22	-
L1815425-06A	5 gram Encore Sampler	A	NA		3.9	Y	Absent		-
L1815425-06B	5 gram Encore Sampler	A	NA		3.9	Y	Absent		-
L1815425-06C	5 gram Encore Sampler	A	NA		3.9	Y	Absent		-
L1815425-06D	Plastic 2oz unpreserved for TS	A	NA		3.9	Y	Absent		TS(7)
L1815425-06E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.9	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1815425-06F	Glass 250ml/8oz unpreserved	A	NA		3.9	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)
L1815425-06X	Vial MeOH preserved split	A	NA		3.9	Y	Absent		-
L1815425-06Y	Vial Water preserved split	A	NA		3.9	Y	Absent	02-MAY-18 11:22	-
L1815425-06Z	Vial Water preserved split	A	NA		3.9	Y	Absent	02-MAY-18 11:22	-
L1815425-07A	5 gram Encore Sampler	A	NA		3.9	Y	Absent		-
L1815425-07B	5 gram Encore Sampler	A	NA		3.9	Y	Absent		-
L1815425-07C	5 gram Encore Sampler	A	NA		3.9	Y	Absent		-
L1815425-07D	Plastic 2oz unpreserved for TS	A	NA		3.9	Y	Absent		TS(7)
L1815425-07E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.9	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1815425-07F	Glass 250ml/8oz unpreserved	A	NA		3.9	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)

*Values in parentheses indicate holding time in days

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815425
Report Date: 05/07/18

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1815425-07X	Vial MeOH preserved split	A	NA		3.9	Y	Absent		-
L1815425-07Y	Vial Water preserved split	A	NA		3.9	Y	Absent	02-MAY-18 11:22	-
L1815425-07Z	Vial Water preserved split	A	NA		3.9	Y	Absent	02-MAY-18 11:22	-
L1815425-08A	5 gram Encore Sampler	A	NA		3.9	Y	Absent		-
L1815425-08B	5 gram Encore Sampler	A	NA		3.9	Y	Absent		-
L1815425-08C	5 gram Encore Sampler	A	NA		3.9	Y	Absent		-
L1815425-08D	Plastic 2oz unpreserved for TS	A	NA		3.9	Y	Absent		TS(7)
L1815425-08E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.9	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1815425-08F	Glass 250ml/8oz unpreserved	A	NA		3.9	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)
L1815425-08X	Vial MeOH preserved split	A	NA		3.9	Y	Absent		-
L1815425-08Y	Vial Water preserved split	A	NA		3.9	Y	Absent	02-MAY-18 11:22	-
L1815425-08Z	Vial Water preserved split	A	NA		3.9	Y	Absent	02-MAY-18 11:22	-

*Values in parentheses indicate holding time in days

Project Name:	SENDERO VERDE	**Lab Number:**	L1815425
Project Number:	2984.0001Y000	**Report Date:**	05/07/18

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

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

Terms

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

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

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

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

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

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related

Report Format: DU Report with 'J' Qualifiers

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Data Qualifiers

projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

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

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

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

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name:	SENDERO VERDE	**Lab Number:**	L1815425
Project Number:	2984.0001Y000	**Report Date:**	05/07/18

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 300: DW: Bromide
EPA 6860: SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, EPA 351.1, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Be, Cd, Cr, Cu, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

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Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 5/1/18

ALPHA Job #: L1815425

Client Information
Client: Roux
Address: 209 Shafter St. Islandia, NY 11749
Phone: 631-232-2600
Fax: 631-232-9898
Email: jmoriarity@rouxinc.com

Project Information
Project Name: Sendero Verde
Project Location: East Harlem, NY
Project #: 2984.00017000
(Use Project name as Project #): ☐
Project Manager: Julie Moriarity
ALPHAQuote #:

Turn-Around Time
Standard: ☒ Due Date:
Rush (only if pre approved): ☐ # of Days:

Deliverables
☐ ASP-A ☒ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information
☒ Same as Client Info
PO #

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOC 8260	SVOC 8270, list 8081A, list 8082A	TAL Metals 6010C	Total Solids	Sample Specific Comments	Total Bottles
15425-01	SB-10 (0-2)	5/1/18	8:15	Soil	VS	X	X	X	X		6
-02	SB-2 (0-2)		8:45			X	X	X	X		6
-03	SB-9 (0-2)		9:05			X	X	X	X		6
-04	SB-1 (0-2)		10:00			X	X	X	X		6
-05	SB-11 (0-2)		10:45			X	X	X	X		6
-06	SB-3 (17-19)		11:30			X	X	X	X		6
-07	SB-10 (15-17)		12:45			X	X	X	X		6
-08	SB-4 (11-13)	↓	14:30	↓	↓	X	X	X	X		6

Container Type	E	A	A	P					
Preservative	A	A	A	A					

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
Valeri Sabatow	5/1/18 14:40		5/1/18 14:46
	5/1/18 1700	Daniel Santos AAL	5/1/18 18:20
Daniel Santos AAL	5/1/18 2300		5/1/18 23:00

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ALPHA

NEW YORK CHAIN OF CUSTODY

Westborough, MA 01581, 8 Walkup Dr., TEL: 508-898-9220, FAX: 508-898-9193
Mansfield, MA 02048, 320 Forbes Blvd, TEL: 508-822-9300, FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 5/1/18

ALPHA Job #: L1815425

Project Information
Project Name: Sendero Verde
Project Location: East Harlem, NY
Project #: 2984.0001Y000
(Use Project name as Project #) ☐
Project Manager: Julie Moriarity
ALPHAQuote #:

Client Information
Client: Roux
Address: 209 Shafter St, Islandia, NY 11749
Phone: 631-232-2600
Fax: 631-232-9898
Email: jmoriarity@rouxinc.com

Turn-Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☒ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information
☒ Same as Client Info
PO #

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility: ☐ NJ ☐ NY ☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments: VOC IN BLUE

Please specify Metals or TAL.

Sample Filtration: ☐ Done ☐ Lab to do
Preservation: ☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID		Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOC 8260	SVOC 8270, Pest 8081B, PCB 8082A	TAL Metals 6010C	Total Solids	Sample Specific Comments	Total Bottles
15425-01	SB-10 (0-2)	1'	5/1/18	8:15	Soil	VS	X	X	X	X		6
-02	SB-2 (0-2)	1'	↓	8:45	↓	↓	X	X	X	X		6
-03	SB-9 (0-2)	1'	↓	9:05	↓	↓	X	X	X	X		6
-04	SB-1 (0-2)	1'	↓	10:00	↓	↓	X	X	X	X		6
-05	SB-11 (0-2)	1'	↓	10:45	↓	↓	X	X	X	X		6
-06	SB-3 (17-19)	18'	↓	11:30	↓	↓	X	X	X	X		6
-07	SB-10 (15-17)	16'	↓	12:45	↓	↓	X	X	X	X		6
-08	SB-4 (11-13)	12.5'	↓	14:30	↓	↓	X	X	X	X		6

	VOC 8260	SVOC/Pest/PCB	TAL Metals	Total Solids
Container Type	E	A	A	P
Preservative	A	A	A	A

Preservative Code: A = None, B = HCl, C = HNO_3, D = H_2SO_4, E = NaOH, F = MeOH, G = $NaHSO_4$, H = $Na_2S_2O_3$, K/E = Zn Ac/NaOH, O = Other

Container Code: P = Plastic, A = Amber Glass, V = Vial, G = Glass, B = Bacteria Cup, C = Cube, O = Other, E = Encore, D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
Valerie Sabatino	5/1/18 14:40	[signature] AAL	5/1/18 14:46
[signature]	5/1/18 1700	Daniel Santos AAL	5/1/18 18:20
Daniel Santos AAL	5/1/18 2300	[signature]	5/1/18 23:00

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L1815645
Client:	Roux Envr. Engr. & Geology, DPC 209 Shafter Street Islandia, NY 11749
ATTN:	Julie Moriarity
Phone:	(631) 232-2600
Project Name:	SENDERO VERDE
Project Number:	2984.0001Y000
Report Date:	05/09/18

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

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

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815645
Report Date: 05/09/18

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1815645-01	SB-2 (17.5-19.5)	SOIL	EAST HARLEM, NY	05/02/18 08:50	05/02/18
L1815645-02	SB-2 (19)	SOIL	EAST HARLEM, NY	05/02/18 08:50	05/02/18
L1815645-03	SB-1 (12-14)	SOIL	EAST HARLEM, NY	05/02/18 11:00	05/02/18
L1815645-04	SB-1 (13)	SOIL	EAST HARLEM, NY	05/02/18 11:00	05/02/18
L1815645-05	SB-5 (18-20)	SOIL	EAST HARLEM, NY	05/02/18 13:00	05/02/18
L1815645-06	SB-5 (19)	SOIL	EAST HARLEM, NY	05/02/18 13:00	05/02/18
L1815645-07	SB-6 (17-19)	SOIL	EAST HARLEM, NY	05/02/18 14:30	05/02/18
L1815645-08	SB-6 (18)	SOIL	EAST HARLEM, NY	05/02/18 14:30	05/02/18
L1815645-09	SB-10/GW	WATER	EAST HARLEM, NY	05/02/18 10:00	05/02/18
L1815645-10	SB-4/GW	WATER	EAST HARLEM, NY	05/02/18 12:20	05/02/18
L1815645-11	SB-5/GW	WATER	EAST HARLEM, NY	05/02/18 14:00	05/02/18
L1815645-12	SB-10/GW FILTERED	WATER	EAST HARLEM, NY	05/02/18 10:00	05/02/18
L1815645-13	SB-4/GW FILTERED	WATER	EAST HARLEM, NY	05/02/18 12:20	05/02/18
L1815645-14	SB-5/GW FILTERED	WATER	EAST HARLEM, NY	05/02/18 14:00	05/02/18

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815645
Report Date: 05/09/18

Case Narrative

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

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

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

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

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

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

Project Name:	SENDERO VERDE	**Lab Number:**	L1815645
Project Number:	2984.0001Y000	**Report Date:**	05/09/18

Case Narrative (continued)

Report Submission

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

Total Metals

L1815645-01, -03, -05, and -07: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

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

Authorized Signature: Kelly Stenstrom

Title: Technical Director/Representative Date: 05/09/18

ORGANICS

VOLATILES

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815645
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815645-02
Client ID: SB-2 (19)
Sample Location: EAST HARLEM, NY
Date Collected: 05/02/18 08:50
Date Received: 05/02/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 05/06/18 14:57
Analyst: MV
Percent Solids: 81%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	3.0	J	ug/kg	12	2.0	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.33	1
Chloroform	5.1		ug/kg	1.8	0.45	1
Carbon tetrachloride	ND		ug/kg	1.2	0.42	1
1,2-Dichloropropane	ND		ug/kg	4.3	0.28	1
Dibromochloromethane	ND		ug/kg	1.2	0.22	1
1,1,2-Trichloroethane	ND		ug/kg	1.8	0.38	1
Tetrachloroethene	ND		ug/kg	1.2	0.37	1
Chlorobenzene	ND		ug/kg	1.2	0.43	1
Trichlorofluoromethane	ND		ug/kg	6.1	0.51	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.30	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.43	1
Bromodichloromethane	ND		ug/kg	1.2	0.38	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.26	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.28	1
1,3-Dichloropropene, Total	ND		ug/kg	1.2	0.26	1
1,1-Dichloropropene	ND		ug/kg	6.1	0.40	1
Bromoform	ND		ug/kg	4.9	0.29	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.37	1
Benzene	ND		ug/kg	1.2	0.24	1
Toluene	ND		ug/kg	1.8	0.24	1
Ethylbenzene	ND		ug/kg	1.2	0.21	1
Chloromethane	ND		ug/kg	6.1	0.54	1
Bromomethane	ND		ug/kg	2.4	0.42	1
Vinyl chloride	ND		ug/kg	2.4	0.39	1
Chloroethane	ND		ug/kg	2.4	0.39	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.46	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.30	1

Project Name: SENDERO VERDE **Lab Number:** L1815645

Project Number: 2984.0001Y000 **Report Date:** 05/09/18

SAMPLE RESULTS

Lab ID: L1815645-02 Date Collected: 05/02/18 08:50

Client ID: SB-2 (19) Date Received: 05/02/18

Sample Location: EAST HARLEM, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	1.2	0.37	1
1,2-Dichlorobenzene	ND		ug/kg	6.1	0.22	1
1,3-Dichlorobenzene	ND		ug/kg	6.1	0.27	1
1,4-Dichlorobenzene	ND		ug/kg	6.1	0.22	1
Methyl tert butyl ether	ND		ug/kg	2.4	0.19	1
p/m-Xylene	ND		ug/kg	2.4	0.43	1
o-Xylene	ND		ug/kg	2.4	0.42	1
Xylenes, Total	ND		ug/kg	2.4	0.42	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.42	1
1,2-Dichloroethene, Total	ND		ug/kg	1.2	0.30	1
Dibromomethane	ND		ug/kg	12	0.29	1
Styrene	ND		ug/kg	2.4	0.49	1
Dichlorodifluoromethane	ND		ug/kg	12	0.61	1
Acetone	11	J	ug/kg	12	2.8	1
Carbon disulfide	ND		ug/kg	12	1.4	1
2-Butanone	ND		ug/kg	12	0.85	1
Vinyl acetate	ND		ug/kg	12	0.19	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.30	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.22	1
2-Hexanone	ND		ug/kg	12	0.82	1
Bromochloromethane	ND		ug/kg	6.1	0.44	1
2,2-Dichloropropane	ND		ug/kg	6.1	0.55	1
1,2-Dibromoethane	ND		ug/kg	4.9	0.24	1
1,3-Dichloropropane	ND		ug/kg	6.1	0.22	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.39	1
Bromobenzene	ND		ug/kg	6.1	0.27	1
n-Butylbenzene	ND		ug/kg	1.2	0.28	1
sec-Butylbenzene	ND		ug/kg	1.2	0.27	1
tert-Butylbenzene	ND		ug/kg	6.1	0.30	1
o-Chlorotoluene	ND		ug/kg	6.1	0.27	1
p-Chlorotoluene	ND		ug/kg	6.1	0.22	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.1	0.49	1
Hexachlorobutadiene	ND		ug/kg	6.1	0.43	1
Isopropylbenzene	ND		ug/kg	1.2	0.24	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.25	1
Naphthalene	ND		ug/kg	6.1	0.17	1
Acrylonitrile	ND		ug/kg	12	0.63	1

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815645
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815645-02
Client ID: SB-2 (19)
Sample Location: EAST HARLEM, NY
Date Collected: 05/02/18 08:50
Date Received: 05/02/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.2	0.26	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.1	0.31	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.1	0.26	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.1	0.20	1
1,2,4-Trimethylbenzene	ND		ug/kg	6.1	0.23	1
1,4-Dioxane	ND		ug/kg	49	18.	1
p-Diethylbenzene	ND		ug/kg	4.9	4.9	1
p-Ethyltoluene	ND		ug/kg	4.9	0.29	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.9	0.19	1
Ethyl ether	ND		ug/kg	6.1	0.32	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.1	0.48	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	129		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	109		70-130

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815645
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815645-04
Client ID: SB-1 (13)
Sample Location: EAST HARLEM, NY
Date Collected: 05/02/18 11:00
Date Received: 05/02/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 05/06/18 15:23
Analyst: MV
Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	18	3.0	1
1,1-Dichloroethane	ND		ug/kg	2.7	0.49	1
Chloroform	ND		ug/kg	2.7	0.67	1
Carbon tetrachloride	ND		ug/kg	1.8	0.62	1
1,2-Dichloropropane	ND		ug/kg	6.3	0.41	1
Dibromochloromethane	ND		ug/kg	1.8	0.32	1
1,1,2-Trichloroethane	ND		ug/kg	2.7	0.56	1
Tetrachloroethene	ND		ug/kg	1.8	0.55	1
Chlorobenzene	ND		ug/kg	1.8	0.63	1
Trichlorofluoromethane	ND		ug/kg	9.0	0.75	1
1,2-Dichloroethane	ND		ug/kg	1.8	0.44	1
1,1,1-Trichloroethane	ND		ug/kg	1.8	0.63	1
Bromodichloromethane	ND		ug/kg	1.8	0.56	1
trans-1,3-Dichloropropene	ND		ug/kg	1.8	0.38	1
cis-1,3-Dichloropropene	ND		ug/kg	1.8	0.42	1
1,3-Dichloropropene, Total	ND		ug/kg	1.8	0.38	1
1,1-Dichloropropene	ND		ug/kg	9.0	0.59	1
Bromoform	ND		ug/kg	7.2	0.43	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.8	0.54	1
Benzene	ND		ug/kg	1.8	0.35	1
Toluene	ND		ug/kg	2.7	0.35	1
Ethylbenzene	ND		ug/kg	1.8	0.31	1
Chloromethane	ND		ug/kg	9.0	0.79	1
Bromomethane	ND		ug/kg	3.6	0.61	1
Vinyl chloride	ND		ug/kg	3.6	0.57	1
Chloroethane	ND		ug/kg	3.6	0.57	1
1,1-Dichloroethene	ND		ug/kg	1.8	0.67	1
trans-1,2-Dichloroethene	ND		ug/kg	2.7	0.44	1

Project Name: SENDERO VERDE **Lab Number:** L1815645

Project Number: 2984.0001Y000 **Report Date:** 05/09/18

SAMPLE RESULTS

Lab ID: L1815645-04 Date Collected: 05/02/18 11:00

Client ID: SB-1 (13) Date Received: 05/02/18

Sample Location: EAST HARLEM, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	1.8	0.55	1
1,2-Dichlorobenzene	ND		ug/kg	9.0	0.33	1
1,3-Dichlorobenzene	ND		ug/kg	9.0	0.39	1
1,4-Dichlorobenzene	ND		ug/kg	9.0	0.33	1
Methyl tert butyl ether	ND		ug/kg	3.6	0.28	1
p/m-Xylene	ND		ug/kg	3.6	0.63	1
o-Xylene	ND		ug/kg	3.6	0.61	1
Xylenes, Total	ND		ug/kg	3.6	0.61	1
cis-1,2-Dichloroethene	ND		ug/kg	1.8	0.62	1
1,2-Dichloroethene, Total	ND		ug/kg	1.8	0.44	1
Dibromomethane	ND		ug/kg	18	0.43	1
Styrene	ND		ug/kg	3.6	0.72	1
Dichlorodifluoromethane	ND		ug/kg	18	0.90	1
Acetone	ND		ug/kg	18	4.1	1
Carbon disulfide	ND		ug/kg	18	2.0	1
2-Butanone	ND		ug/kg	18	1.2	1
Vinyl acetate	ND		ug/kg	18	0.28	1
4-Methyl-2-pentanone	ND		ug/kg	18	0.44	1
1,2,3-Trichloropropane	ND		ug/kg	18	0.32	1
2-Hexanone	ND		ug/kg	18	1.2	1
Bromochloromethane	ND		ug/kg	9.0	0.64	1
2,2-Dichloropropane	ND		ug/kg	9.0	0.81	1
1,2-Dibromoethane	ND		ug/kg	7.2	0.36	1
1,3-Dichloropropane	ND		ug/kg	9.0	0.33	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.8	0.58	1
Bromobenzene	ND		ug/kg	9.0	0.40	1
n-Butylbenzene	ND		ug/kg	1.8	0.41	1
sec-Butylbenzene	ND		ug/kg	1.8	0.39	1
tert-Butylbenzene	ND		ug/kg	9.0	0.45	1
o-Chlorotoluene	ND		ug/kg	9.0	0.40	1
p-Chlorotoluene	ND		ug/kg	9.0	0.33	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	9.0	0.72	1
Hexachlorobutadiene	ND		ug/kg	9.0	0.63	1
Isopropylbenzene	ND		ug/kg	1.8	0.35	1
p-Isopropyltoluene	ND		ug/kg	1.8	0.36	1
Naphthalene	0.80	J	ug/kg	9.0	0.25	1
Acrylonitrile	ND		ug/kg	18	0.93	1

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815645
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815645-04
Client ID: SB-1 (13)
Sample Location: EAST HARLEM, NY
Date Collected: 05/02/18 11:00
Date Received: 05/02/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.8	0.39	1
1,2,3-Trichlorobenzene	ND		ug/kg	9.0	0.45	1
1,2,4-Trichlorobenzene	ND		ug/kg	9.0	0.39	1
1,3,5-Trimethylbenzene	ND		ug/kg	9.0	0.29	1
1,2,4-Trimethylbenzene	ND		ug/kg	9.0	0.34	1
1,4-Dioxane	ND		ug/kg	72	26.	1
p-Diethylbenzene	ND		ug/kg	7.2	7.2	1
p-Ethyltoluene	ND		ug/kg	7.2	0.42	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	7.2	0.28	1
Ethyl ether	ND		ug/kg	9.0	0.47	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	9.0	0.71	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	129		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	107		70-130

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815645
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815645-06
Client ID: SB-5 (19)
Sample Location: EAST HARLEM, NY
Date Collected: 05/02/18 13:00
Date Received: 05/02/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 05/06/18 15:48
Analyst: MV
Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	12	2.0	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.33	1
Chloroform	4.4		ug/kg	1.8	0.46	1
Carbon tetrachloride	ND		ug/kg	1.2	0.43	1
1,2-Dichloropropane	ND		ug/kg	4.3	0.28	1
Dibromochloromethane	ND		ug/kg	1.2	0.22	1
1,1,2-Trichloroethane	ND		ug/kg	1.8	0.39	1
Tetrachloroethene	0.40	J	ug/kg	1.2	0.37	1
Chlorobenzene	ND		ug/kg	1.2	0.43	1
Trichlorofluoromethane	ND		ug/kg	6.2	0.52	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.30	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.43	1
Bromodichloromethane	ND		ug/kg	1.2	0.38	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.26	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.28	1
1,3-Dichloropropene, Total	ND		ug/kg	1.2	0.26	1
1,1-Dichloropropene	ND		ug/kg	6.2	0.40	1
Bromoform	ND		ug/kg	4.9	0.29	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.37	1
Benzene	ND		ug/kg	1.2	0.24	1
Toluene	ND		ug/kg	1.8	0.24	1
Ethylbenzene	ND		ug/kg	1.2	0.21	1
Chloromethane	ND		ug/kg	6.2	0.54	1
Bromomethane	ND		ug/kg	2.5	0.42	1
Vinyl chloride	ND		ug/kg	2.5	0.39	1
Chloroethane	ND		ug/kg	2.5	0.39	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.46	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.30	1

Project Name: SENDERO VERDE **Lab Number:** L1815645

Project Number: 2984.0001Y000 **Report Date:** 05/09/18

SAMPLE RESULTS

Lab ID: L1815645-06 Date Collected: 05/02/18 13:00

Client ID: SB-5 (19) Date Received: 05/02/18

Sample Location: EAST HARLEM, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	1.2	0.37	1
1,2-Dichlorobenzene	ND		ug/kg	6.2	0.22	1
1,3-Dichlorobenzene	ND		ug/kg	6.2	0.27	1
1,4-Dichlorobenzene	ND		ug/kg	6.2	0.22	1
Methyl tert butyl ether	ND		ug/kg	2.5	0.19	1
p/m-Xylene	ND		ug/kg	2.5	0.43	1
o-Xylene	ND		ug/kg	2.5	0.42	1
Xylenes, Total	ND		ug/kg	2.5	0.42	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.42	1
1,2-Dichloroethene, Total	ND		ug/kg	1.2	0.30	1
Dibromomethane	ND		ug/kg	12	0.30	1
Styrene	ND		ug/kg	2.5	0.50	1
Dichlorodifluoromethane	ND		ug/kg	12	0.62	1
Acetone	3.1	J	ug/kg	12	2.8	1
Carbon disulfide	ND		ug/kg	12	1.4	1
2-Butanone	ND		ug/kg	12	0.85	1
Vinyl acetate	ND		ug/kg	12	0.19	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.30	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.22	1
2-Hexanone	ND		ug/kg	12	0.82	1
Bromochloromethane	ND		ug/kg	6.2	0.44	1
2,2-Dichloropropane	ND		ug/kg	6.2	0.56	1
1,2-Dibromoethane	ND		ug/kg	4.9	0.24	1
1,3-Dichloropropane	ND		ug/kg	6.2	0.23	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.39	1
Bromobenzene	ND		ug/kg	6.2	0.27	1
n-Butylbenzene	ND		ug/kg	1.2	0.28	1
sec-Butylbenzene	ND		ug/kg	1.2	0.27	1
tert-Butylbenzene	ND		ug/kg	6.2	0.30	1
o-Chlorotoluene	ND		ug/kg	6.2	0.27	1
p-Chlorotoluene	ND		ug/kg	6.2	0.23	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.2	0.49	1
Hexachlorobutadiene	ND		ug/kg	6.2	0.43	1
Isopropylbenzene	ND		ug/kg	1.2	0.24	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.25	1
Naphthalene	ND		ug/kg	6.2	0.17	1
Acrylonitrile	ND		ug/kg	12	0.63	1

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815645
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815645-06
Client ID: SB-5 (19)
Sample Location: EAST HARLEM, NY
Date Collected: 05/02/18 13:00
Date Received: 05/02/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.2	0.26	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.2	0.31	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.2	0.26	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.2	0.20	1
1,2,4-Trimethylbenzene	ND		ug/kg	6.2	0.23	1
1,4-Dioxane	ND		ug/kg	49	18.	1
p-Diethylbenzene	ND		ug/kg	4.9	4.9	1
p-Ethyltoluene	ND		ug/kg	4.9	0.29	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.9	0.19	1
Ethyl ether	ND		ug/kg	6.2	0.32	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.2	0.48	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	129		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	109		70-130

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815645
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815645-08
Client ID: SB-6 (18)
Sample Location: EAST HARLEM, NY

Date Collected: 05/02/18 14:30
Date Received: 05/02/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 05/08/18 13:04
Analyst: JC
Percent Solids: 82%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	12	2.0	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.33	1
Chloroform	5.5		ug/kg	1.8	0.45	1
Carbon tetrachloride	ND		ug/kg	1.2	0.42	1
1,2-Dichloropropane	ND		ug/kg	4.2	0.28	1
Dibromochloromethane	ND		ug/kg	1.2	0.21	1
1,1,2-Trichloroethane	ND		ug/kg	1.8	0.38	1
Tetrachloroethene	ND		ug/kg	1.2	0.37	1
Chlorobenzene	ND		ug/kg	1.2	0.42	1
Trichlorofluoromethane	ND		ug/kg	6.1	0.51	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.30	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.42	1
Bromodichloromethane	ND		ug/kg	1.2	0.37	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.25	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.28	1
1,3-Dichloropropene, Total	ND		ug/kg	1.2	0.25	1
1,1-Dichloropropene	ND		ug/kg	6.1	0.40	1
Bromoform	ND		ug/kg	4.8	0.29	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.36	1
Benzene	ND		ug/kg	1.2	0.23	1
Toluene	ND		ug/kg	1.8	0.24	1
Ethylbenzene	ND		ug/kg	1.2	0.21	1
Chloromethane	ND		ug/kg	6.1	0.53	1
Bromomethane	ND		ug/kg	2.4	0.41	1
Vinyl chloride	ND		ug/kg	2.4	0.38	1
Chloroethane	ND		ug/kg	2.4	0.38	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.45	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.29	1

Project Name: SENDERO VERDE **Lab Number:** L1815645

Project Number: 2984.0001Y000 **Report Date:** 05/09/18

SAMPLE RESULTS

Lab ID: L1815645-08 Date Collected: 05/02/18 14:30

Client ID: SB-6 (18) Date Received: 05/02/18

Sample Location: EAST HARLEM, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	1.2	0.37	1
1,2-Dichlorobenzene	ND		ug/kg	6.1	0.22	1
1,3-Dichlorobenzene	ND		ug/kg	6.1	0.26	1
1,4-Dichlorobenzene	ND		ug/kg	6.1	0.22	1
Methyl tert butyl ether	ND		ug/kg	2.4	0.18	1
p/m-Xylene	ND		ug/kg	2.4	0.42	1
o-Xylene	ND		ug/kg	2.4	0.41	1
Xylenes, Total	ND		ug/kg	2.4	0.41	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.42	1
1,2-Dichloroethene, Total	ND		ug/kg	1.2	0.29	1
Dibromomethane	ND		ug/kg	12	0.29	1
Styrene	ND		ug/kg	2.4	0.49	1
Dichlorodifluoromethane	ND		ug/kg	12	0.61	1
Acetone	ND		ug/kg	12	2.8	1
Carbon disulfide	ND		ug/kg	12	1.3	1
2-Butanone	ND		ug/kg	12	0.84	1
Vinyl acetate	ND		ug/kg	12	0.18	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.30	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.21	1
2-Hexanone	ND		ug/kg	12	0.81	1
Bromochloromethane	ND		ug/kg	6.1	0.43	1
2,2-Dichloropropane	ND		ug/kg	6.1	0.55	1
1,2-Dibromoethane	ND		ug/kg	4.8	0.24	1
1,3-Dichloropropane	ND		ug/kg	6.1	0.22	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.38	1
Bromobenzene	ND		ug/kg	6.1	0.26	1
n-Butylbenzene	ND		ug/kg	1.2	0.28	1
sec-Butylbenzene	ND		ug/kg	1.2	0.26	1
tert-Butylbenzene	ND		ug/kg	6.1	0.30	1
o-Chlorotoluene	ND		ug/kg	6.1	0.27	1
p-Chlorotoluene	ND		ug/kg	6.1	0.22	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.1	0.48	1
Hexachlorobutadiene	ND		ug/kg	6.1	0.42	1
Isopropylbenzene	ND		ug/kg	1.2	0.24	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.24	1
Naphthalene	ND		ug/kg	6.1	0.17	1
Acrylonitrile	ND		ug/kg	12	0.62	1

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815645
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815645-08
Client ID: SB-6 (18)
Sample Location: EAST HARLEM, NY
Date Collected: 05/02/18 14:30
Date Received: 05/02/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.2	0.26	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.1	0.30	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.1	0.26	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.1	0.20	1
1,2,4-Trimethylbenzene	ND		ug/kg	6.1	0.22	1
1,4-Dioxane	ND		ug/kg	48	17.	1
p-Diethylbenzene	ND		ug/kg	4.8	4.8	1
p-Ethyltoluene	ND		ug/kg	4.8	0.28	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.8	0.19	1
Ethyl ether	ND		ug/kg	6.1	0.32	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.1	0.48	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	101		70-130

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815645
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815645-09
Client ID: SB-10/GW
Sample Location: EAST HARLEM, NY
Date Collected: 05/02/18 10:00
Date Received: 05/02/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 05/05/18 13:59
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	31		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: SENDERO VERDE **Lab Number:** L1815645

Project Number: 2984.0001Y000 **Report Date:** 05/09/18

SAMPLE RESULTS

Lab ID: L1815645-09 Date Collected: 05/02/18 10:00

Client ID: SB-10/GW Date Received: 05/02/18

Sample Location: EAST HARLEM, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815645
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815645-09
Client ID: SB-10/GW
Sample Location: EAST HARLEM, NY
Date Collected: 05/02/18 10:00
Date Received: 05/02/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	99		70-130

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815645
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815645-10
Client ID: SB-4/GW
Sample Location: EAST HARLEM, NY
Date Collected: 05/02/18 12:20
Date Received: 05/02/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 05/05/18 14:25
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	30		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	1.2		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: SENDERO VERDE **Lab Number:** L1815645

Project Number: 2984.0001Y000 **Report Date:** 05/09/18

SAMPLE RESULTS

Lab ID: L1815645-10 Date Collected: 05/02/18 12:20

Client ID: SB-4/GW Date Received: 05/02/18

Sample Location: EAST HARLEM, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815645
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815645-10
Client ID: SB-4/GW
Sample Location: EAST HARLEM, NY
Date Collected: 05/02/18 12:20
Date Received: 05/02/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	101		70-130

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815645
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815645-11
Client ID: SB-5/GW
Sample Location: EAST HARLEM, NY
Date Collected: 05/02/18 14:00
Date Received: 05/02/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 05/05/18 14:50
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	28		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	0.22	J	ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: SENDERO VERDE **Lab Number:** L1815645

Project Number: 2984.0001Y000 **Report Date:** 05/09/18

SAMPLE RESULTS

Lab ID: L1815645-11 Date Collected: 05/02/18 14:00

Client ID: SB-5/GW Date Received: 05/02/18

Sample Location: EAST HARLEM, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	1.8	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815645
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815645-11
Client ID: SB-5/GW
Sample Location: EAST HARLEM, NY
Date Collected: 05/02/18 14:00
Date Received: 05/02/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	101		70-130

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815645
Report Date: 05/09/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/05/18 11:02
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 09-11 Batch: WG1113111-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815645
Report Date: 05/09/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/05/18 11:02
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 09-11 Batch: WG1113111-5					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815645
Report Date: 05/09/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/05/18 11:02
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 09-11 Batch: WG1113111-5					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	101		70-130

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815645
Report Date: 05/09/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/06/18 13:13
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02,04,06 Batch: WG1113305-5					
Methylene chloride	ND		ug/kg	10	1.6
1,1-Dichloroethane	ND		ug/kg	1.5	0.27
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.34
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.18
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.31
Tetrachloroethene	ND		ug/kg	1.0	0.30
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.42
1,2-Dichloroethane	ND		ug/kg	1.0	0.25
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.35
Bromodichloromethane	ND		ug/kg	1.0	0.31
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.21
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.23
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.21
1,1-Dichloropropene	ND		ug/kg	5.0	0.33
Bromoform	ND		ug/kg	4.0	0.24
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.30
Benzene	ND		ug/kg	1.0	0.19
Toluene	ND		ug/kg	1.5	0.20
Ethylbenzene	ND		ug/kg	1.0	0.17
Chloromethane	ND		ug/kg	5.0	0.44
Bromomethane	1.4	J	ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.32
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.37
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.24
Trichloroethene	ND		ug/kg	1.0	0.30

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815645
Report Date: 05/09/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/06/18 13:13
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02,04,06 Batch: WG1113305-5					
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.22
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.18
Methyl tert butyl ether	0.23	J	ug/kg	2.0	0.15
p/m-Xylene	ND		ug/kg	2.0	0.35
o-Xylene	ND		ug/kg	2.0	0.34
Xylenes, Total	ND		ug/kg	2.0	0.34
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.34
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.24
Dibromomethane	ND		ug/kg	10	0.24
Styrene	ND		ug/kg	2.0	0.40
Dichlorodifluoromethane	ND		ug/kg	10	0.50
Acetone	ND		ug/kg	10	2.3
Carbon disulfide	ND		ug/kg	10	1.1
2-Butanone	ND		ug/kg	10	0.69
Vinyl acetate	ND		ug/kg	10	0.15
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.18
2-Hexanone	ND		ug/kg	10	0.67
Bromochloromethane	ND		ug/kg	5.0	0.36
2,2-Dichloropropane	ND		ug/kg	5.0	0.45
1,2-Dibromoethane	ND		ug/kg	4.0	0.20
1,3-Dichloropropane	ND		ug/kg	5.0	0.18
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.22
n-Butylbenzene	ND		ug/kg	1.0	0.23
sec-Butylbenzene	ND		ug/kg	1.0	0.22
tert-Butylbenzene	ND		ug/kg	5.0	0.25
o-Chlorotoluene	ND		ug/kg	5.0	0.22

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815645
Report Date: 05/09/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/06/18 13:13
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02,04,06 Batch: WG1113305-5					
p-Chlorotoluene	ND		ug/kg	5.0	0.18
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.40
Hexachlorobutadiene	ND		ug/kg	5.0	0.35
Isopropylbenzene	ND		ug/kg	1.0	0.19
p-Isopropyltoluene	ND		ug/kg	1.0	0.20
Naphthalene	0.17	J	ug/kg	5.0	0.14
Acrylonitrile	ND		ug/kg	10	0.51
n-Propylbenzene	ND		ug/kg	1.0	0.22
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.25
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.22
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.16
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.19
1,4-Dioxane	ND		ug/kg	40	14.
p-Diethylbenzene	ND		ug/kg	4.0	4.0
p-Ethyltoluene	ND		ug/kg	4.0	0.23
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.16
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.39

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	123		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	105		70-130

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815645
Report Date: 05/09/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/08/18 08:19
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 08 Batch: WG1113722-5					
Methylene chloride	ND		ug/kg	10	1.6
1,1-Dichloroethane	ND		ug/kg	1.5	0.27
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.34
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.18
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.31
Tetrachloroethene	ND		ug/kg	1.0	0.30
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.42
1,2-Dichloroethane	ND		ug/kg	1.0	0.25
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.35
Bromodichloromethane	ND		ug/kg	1.0	0.31
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.21
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.23
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.21
1,1-Dichloropropene	ND		ug/kg	5.0	0.33
Bromoform	ND		ug/kg	4.0	0.24
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.30
Benzene	ND		ug/kg	1.0	0.19
Toluene	ND		ug/kg	1.5	0.20
Ethylbenzene	ND		ug/kg	1.0	0.17
Chloromethane	ND		ug/kg	5.0	0.44
Bromomethane	0.66	J	ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.32
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.37
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.24
Trichloroethene	ND		ug/kg	1.0	0.30

Project Name: SENDERO VERDE
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Lab Number: L1815645
Report Date: 05/09/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/08/18 08:19
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 08 Batch: WG1113722-5					
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.22
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.18
Methyl tert butyl ether	ND		ug/kg	2.0	0.15
p/m-Xylene	ND		ug/kg	2.0	0.35
o-Xylene	ND		ug/kg	2.0	0.34
Xylenes, Total	ND		ug/kg	2.0	0.34
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.34
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.24
Dibromomethane	ND		ug/kg	10	0.24
Styrene	ND		ug/kg	2.0	0.40
Dichlorodifluoromethane	ND		ug/kg	10	0.50
Acetone	ND		ug/kg	10	2.3
Carbon disulfide	ND		ug/kg	10	1.1
2-Butanone	ND		ug/kg	10	0.69
Vinyl acetate	ND		ug/kg	10	0.15
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.18
2-Hexanone	ND		ug/kg	10	0.67
Bromochloromethane	ND		ug/kg	5.0	0.36
2,2-Dichloropropane	ND		ug/kg	5.0	0.45
1,2-Dibromoethane	ND		ug/kg	4.0	0.20
1,3-Dichloropropane	ND		ug/kg	5.0	0.18
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.22
n-Butylbenzene	ND		ug/kg	1.0	0.23
sec-Butylbenzene	ND		ug/kg	1.0	0.22
tert-Butylbenzene	ND		ug/kg	5.0	0.25
o-Chlorotoluene	ND		ug/kg	5.0	0.22

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
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Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/08/18 08:19
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 08 Batch: WG1113722-5					
p-Chlorotoluene	ND		ug/kg	5.0	0.18
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.40
Hexachlorobutadiene	ND		ug/kg	5.0	0.35
Isopropylbenzene	ND		ug/kg	1.0	0.19
p-Isopropyltoluene	ND		ug/kg	1.0	0.20
Naphthalene	ND		ug/kg	5.0	0.14
Acrylonitrile	ND		ug/kg	10	0.51
n-Propylbenzene	ND		ug/kg	1.0	0.22
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.25
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.22
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.16
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.19
1,4-Dioxane	ND		ug/kg	40	14.
p-Diethylbenzene	ND		ug/kg	4.0	4.0
p-Ethyltoluene	ND		ug/kg	4.0	0.23
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.16
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.39

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	100		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: SENDERO VERDE

Project Number: 2984.0001Y000

Lab Number: L1815645

Report Date: 05/09/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09-11 Batch: WG1113111-3 WG1113111-4								
Methylene chloride	90		94		70-130	4		20
1,1-Dichloroethane	90		93		70-130	3		20
Chloroform	92		94		70-130	2		20
Carbon tetrachloride	96		99		63-132	3		20
1,2-Dichloropropane	87		91		70-130	4		20
Dibromochloromethane	90		94		63-130	4		20
1,1,2-Trichloroethane	92		92		70-130	0		20
Tetrachloroethene	94		98		70-130	4		20
Chlorobenzene	90		93		75-130	3		20
Trichlorofluoromethane	120		120		62-150	0		20
1,2-Dichloroethane	98		98		70-130	0		20
1,1,1-Trichloroethane	98		100		67-130	2		20
Bromodichloromethane	93		96		67-130	3		20
trans-1,3-Dichloropropene	91		94		70-130	3		20
cis-1,3-Dichloropropene	90		93		70-130	3		20
1,1-Dichloropropene	94		97		70-130	3		20
Bromoform	93		94		54-136	1		20
1,1,2,2-Tetrachloroethane	88		90		67-130	2		20
Benzene	90		93		70-130	3		20
Toluene	88		92		70-130	4		20
Ethylbenzene	91		95		70-130	4		20
Chloromethane	93		100		64-130	7		20
Bromomethane	94		100		39-139	6		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: SENDERO VERDE

Project Number: 2984.0001Y000

Lab Number: L1815645

Report Date: 05/09/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09-11 Batch: WG1113111-3 WG1113111-4								
Vinyl chloride	87		90		55-140	3		20
Chloroethane	90		100		55-138	11		20
1,1-Dichloroethene	94		98		61-145	4		20
trans-1,2-Dichloroethene	88		93		70-130	6		20
Trichloroethene	97		100		70-130	3		20
1,2-Dichlorobenzene	90		92		70-130	2		20
1,3-Dichlorobenzene	91		92		70-130	1		20
1,4-Dichlorobenzene	92		91		70-130	1		20
Methyl tert butyl ether	92		96		63-130	4		20
p/m-Xylene	95		100		70-130	5		20
o-Xylene	95		100		70-130	5		20
cis-1,2-Dichloroethene	87		89		70-130	2		20
Dibromomethane	89		92		70-130	3		20
1,2,3-Trichloropropane	90		96		64-130	6		20
Acrylonitrile	90		95		70-130	5		20
Styrene	100		100		70-130	0		20
Dichlorodifluoromethane	110		120		36-147	9		20
Acetone	120		100		58-148	18		20
Carbon disulfide	96		100		51-130	4		20
2-Butanone	98		93		63-138	5		20
Vinyl acetate	92		95		70-130	3		20
4-Methyl-2-pentanone	86		94		59-130	9		20
2-Hexanone	85		88		57-130	3		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: SENDERO VERDE

Project Number: 2984.0001Y000

Lab Number: L1815645

Report Date: 05/09/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09-11 Batch: WG1113111-3 WG1113111-4								
Bromochloromethane	92		98		70-130	6		20
2,2-Dichloropropane	100		100		63-133	0		20
1,2-Dibromoethane	87		91		70-130	4		20
1,3-Dichloropropane	88		89		70-130	1		20
1,1,1,2-Tetrachloroethane	92		95		64-130	3		20
Bromobenzene	89		90		70-130	1		20
n-Butylbenzene	96		99		53-136	3		20
sec-Butylbenzene	97		100		70-130	3		20
tert-Butylbenzene	96		97		70-130	1		20
o-Chlorotoluene	76		76		70-130	0		20
p-Chlorotoluene	91		90		70-130	1		20
1,2-Dibromo-3-chloropropane	91		90		41-144	1		20
Hexachlorobutadiene	89		96		63-130	8		20
Isopropylbenzene	94		95		70-130	1		20
p-Isopropyltoluene	98		100		70-130	2		20
Naphthalene	86		90		70-130	5		20
n-Propylbenzene	95		97		69-130	2		20
1,2,3-Trichlorobenzene	90		92		70-130	2		20
1,2,4-Trichlorobenzene	89		90		70-130	1		20
1,3,5-Trimethylbenzene	93		95		64-130	2		20
1,2,4-Trimethylbenzene	93		95		70-130	2		20
1,4-Dioxane	104		98		56-162	6		20
p-Diethylbenzene	100		100		70-130	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: SENDERO VERDE

Project Number: 2984.0001Y000

Lab Number: L1815645

Report Date: 05/09/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09-11 Batch: WG1113111-3 WG1113111-4								
p-Ethyltoluene	99		100		70-130	1		20
1,2,4,5-Tetramethylbenzene	97		99		70-130	2		20
Ethyl ether	90		94		59-134	4		20
trans-1,4-Dichloro-2-butene	90		93		70-130	3		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	105		105		70-130
Toluene-d8	98		97		70-130
4-Bromofluorobenzene	94		94		70-130
Dibromofluoromethane	105		104		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815645
Report Date: 05/09/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,04,06 Batch: WG1113305-3 WG1113305-4								
Methylene chloride	100		98		70-130	2		30
1,1-Dichloroethane	103		100		70-130	3		30
Chloroform	92		101		70-130	9		30
Carbon tetrachloride	104		112		70-130	7		30
1,2-Dichloropropane	91		96		70-130	5		30
Dibromochloromethane	103		101		70-130	2		30
1,1,2-Trichloroethane	94		79		70-130	17		30
Tetrachloroethene	86		87		70-130	1		30
Chlorobenzene	90		93		70-130	3		30
Trichlorofluoromethane	97		99		70-139	2		30
1,2-Dichloroethane	112		113		70-130	1		30
1,1,1-Trichloroethane	100		106		70-130	6		30
Bromodichloromethane	104		106		70-130	2		30
trans-1,3-Dichloropropene	102		102		70-130	0		30
cis-1,3-Dichloropropene	97		98		70-130	1		30
1,1-Dichloropropene	89		80		70-130	11		30
Bromoform	87		96		70-130	10		30
1,1,2,2-Tetrachloroethane	91		95		70-130	4		30
Benzene	87		89		70-130	2		30
Toluene	83		86		70-130	4		30
Ethylbenzene	88		89		70-130	1		30
Chloromethane	83		80		52-130	4		30
Bromomethane	91		90		57-147	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SENDERO VERDE

Project Number: 2984.0001Y000

Lab Number: L1815645

Report Date: 05/09/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,04,06 Batch: WG1113305-3 WG1113305-4								
Vinyl chloride	77		80		67-130	4		30
Chloroethane	74		76		50-151	3		30
1,1-Dichloroethene	92		90		65-135	2		30
trans-1,2-Dichloroethene	95		97		70-130	2		30
Trichloroethene	92		96		70-130	4		30
1,2-Dichlorobenzene	95		94		70-130	1		30
1,3-Dichlorobenzene	92		94		70-130	2		30
1,4-Dichlorobenzene	92		94		70-130	2		30
Methyl tert butyl ether	114		110		66-130	4		30
p/m-Xylene	88		90		70-130	2		30
o-Xylene	80		90		70-130	12		30
cis-1,2-Dichloroethene	99		96		70-130	3		30
Dibromomethane	99		104		70-130	5		30
Styrene	76		92		70-130	19		30
Dichlorodifluoromethane	78		82		30-146	5		30
Acetone	114		100		54-140	13		30
Carbon disulfide	86		83		59-130	4		30
2-Butanone	103		80		70-130	25		30
Vinyl acetate	97		93		70-130	4		30
4-Methyl-2-pentanone	97		93		70-130	4		30
1,2,3-Trichloropropane	98		97		68-130	1		30
2-Hexanone	93		70		70-130	28		30
Bromochloromethane	109		100		70-130	9		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815645
Report Date: 05/09/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,04,06 Batch: WG1113305-3 WG1113305-4								
2,2-Dichloropropane	94		90		70-130	4		30
1,2-Dibromoethane	103		98		70-130	5		30
1,3-Dichloropropane	98		95		69-130	3		30
1,1,1,2-Tetrachloroethane	102		100		70-130	2		30
Bromobenzene	91		92		70-130	1		30
n-Butylbenzene	86		91		70-130	6		30
sec-Butylbenzene	88		91		70-130	3		30
tert-Butylbenzene	88		96		70-130	9		30
o-Chlorotoluene	92		95		70-130	3		30
p-Chlorotoluene	94		95		70-130	1		30
1,2-Dibromo-3-chloropropane	90		78		68-130	14		30
Hexachlorobutadiene	77		73		67-130	5		30
Isopropylbenzene	86		92		70-130	7		30
p-Isopropyltoluene	87		91		70-130	4		30
Naphthalene	97		89		70-130	9		30
Acrylonitrile	123		108		70-130	13		30
n-Propylbenzene	87		90		70-130	3		30
1,2,3-Trichlorobenzene	92		89		70-130	3		30
1,2,4-Trichlorobenzene	86		82		70-130	5		30
1,3,5-Trimethylbenzene	91		96		70-130	5		30
1,2,4-Trimethylbenzene	94		97		70-130	3		30
1,4-Dioxane	84		87		65-136	4		30
p-Diethylbenzene	86		87		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815645
Report Date: 05/09/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,04,06 Batch: WG1113305-3 WG1113305-4								
p-Ethyltoluene	85		89		70-130	5		30
1,2,4,5-Tetramethylbenzene	90		89		70-130	1		30
Ethyl ether	105		99		67-130	6		30
trans-1,4-Dichloro-2-butene	107		114		70-130	6		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	120		118		70-130
Toluene-d8	103		107		70-130
4-Bromofluorobenzene	102		104		70-130
Dibromofluoromethane	103		103		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815645
Report Date: 05/09/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 08 Batch: WG1113722-3 WG1113722-4								
Methylene chloride	86		97		70-130	12		30
1,1-Dichloroethane	90		100		70-130	11		30
Chloroform	96		102		70-130	6		30
Carbon tetrachloride	112		117		70-130	4		30
1,2-Dichloropropane	94		87		70-130	8		30
Dibromochloromethane	113		98		70-130	14		30
1,1,2-Trichloroethane	104		85		70-130	20		30
Tetrachloroethene	112		83		70-130	30		30
Chlorobenzene	98		95		70-130	3		30
Trichlorofluoromethane	94		100		70-139	6		30
1,2-Dichloroethane	98		105		70-130	7		30
1,1,1-Trichloroethane	106		107		70-130	1		30
Bromodichloromethane	102		98		70-130	4		30
trans-1,3-Dichloropropene	110		84		70-130	27		30
cis-1,3-Dichloropropene	96		81		70-130	17		30
1,1-Dichloropropene	96		98		70-130	2		30
Bromoform	96		95		70-130	1		30
1,1,2,2-Tetrachloroethane	92		94		70-130	2		30
Benzene	93		93		70-130	0		30
Toluene	103		75		70-130	**31**	Q	30
Ethylbenzene	99		93		70-130	6		30
Chloromethane	74		80		52-130	8		30
Bromomethane	103		97		57-147	6		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SENDERO VERDE

Project Number: 2984.0001Y000

Lab Number: L1815645

Report Date: 05/09/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 08 Batch: WG1113722-3 WG1113722-4								
Vinyl chloride	79		79		67-130	0		30
Chloroethane	86		86		50-151	0		30
1,1-Dichloroethene	90		103		65-135	13		30
trans-1,2-Dichloroethene	92		102		70-130	10		30
Trichloroethene	102		101		70-130	1		30
1,2-Dichlorobenzene	96		100		70-130	4		30
1,3-Dichlorobenzene	102		97		70-130	5		30
1,4-Dichlorobenzene	102		95		70-130	7		30
Methyl tert butyl ether	91		105		66-130	14		30
p/m-Xylene	113		95		70-130	17		30
o-Xylene	111		94		70-130	17		30
cis-1,2-Dichloroethene	92		101		70-130	9		30
Dibromomethane	95		101		70-130	6		30
Styrene	109		92		70-130	17		30
Dichlorodifluoromethane	77		82		30-146	6		30
Acetone	80		94		54-140	16		30
Carbon disulfide	79		91		59-130	14		30
2-Butanone	82		93		70-130	13		30
Vinyl acetate	74		91		70-130	21		30
4-Methyl-2-pentanone	93		73		70-130	24		30
1,2,3-Trichloropropane	96		92		68-130	4		30
2-Hexanone	84		79		70-130	6		30
Bromochloromethane	99		110		70-130	11		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SENDERO VERDE

Project Number: 2984.0001Y000

Lab Number: L1815645

Report Date: 05/09/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 08 Batch: WG1113722-3 WG1113722-4								
2,2-Dichloropropane	98		103		70-130	5		30
1,2-Dibromoethane	112		99		70-130	12		30
1,3-Dichloropropane	108		89		69-130	19		30
1,1,1,2-Tetrachloroethane	108		100		70-130	8		30
Bromobenzene	102		95		70-130	7		30
n-Butylbenzene	106		98		70-130	8		30
sec-Butylbenzene	105		98		70-130	7		30
tert-Butylbenzene	106		99		70-130	7		30
o-Chlorotoluene	102		95		70-130	7		30
p-Chlorotoluene	105		98		70-130	7		30
1,2-Dibromo-3-chloropropane	85		83		68-130	2		30
Hexachlorobutadiene	92		85		67-130	8		30
Isopropylbenzene	106		98		70-130	8		30
p-Isopropyltoluene	102		95		70-130	7		30
Naphthalene	94		84		70-130	11		30
Acrylonitrile	88		102		70-130	15		30
n-Propylbenzene	106		97		70-130	9		30
1,2,3-Trichlorobenzene	100		93		70-130	7		30
1,2,4-Trichlorobenzene	99		93		70-130	6		30
1,3,5-Trimethylbenzene	107		101		70-130	6		30
1,2,4-Trimethylbenzene	107		97		70-130	10		30
1,4-Dioxane	86		85		65-136	1		30
p-Diethylbenzene	104		95		70-130	9		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815645
Report Date: 05/09/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 08 Batch: WG1113722-3 WG1113722-4								
p-Ethyltoluene	101		95		70-130	6		30
1,2,4,5-Tetramethylbenzene	90		95		70-130	5		30
Ethyl ether	82		98		67-130	18		30
trans-1,4-Dichloro-2-butene	102		104		70-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	99		107		70-130
Toluene-d8	115		85		70-130
4-Bromofluorobenzene	105		104		70-130
Dibromofluoromethane	95		106		70-130

SEMIVOLATILES

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815645
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815645-01
Client ID: SB-2 (17.5-19.5)
Sample Location: EAST HARLEM, NY

Date Collected: 05/02/18 08:50
Date Received: 05/02/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 05/05/18 17:39
Analyst: SZ
Percent Solids: 81%

Extraction Method: EPA 3546
Extraction Date: 05/03/18 07:56

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	21.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	23.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	27.	1
2-Chloronaphthalene	ND		ug/kg	200	20.	1
1,2-Dichlorobenzene	ND		ug/kg	200	36.	1
1,3-Dichlorobenzene	ND		ug/kg	200	35.	1
1,4-Dichlorobenzene	ND		ug/kg	200	35.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	54.	1
2,4-Dinitrotoluene	ND		ug/kg	200	40.	1
2,6-Dinitrotoluene	ND		ug/kg	200	34.	1
Fluoranthene	ND		ug/kg	120	23.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	22.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	31.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	34.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	20.	1
Hexachlorobutadiene	ND		ug/kg	200	29.	1
Hexachlorocyclopentadiene	ND		ug/kg	580	180	1
Hexachloroethane	ND		ug/kg	160	32.	1
Isophorone	ND		ug/kg	180	26.	1
Naphthalene	ND		ug/kg	200	24.	1
Nitrobenzene	ND		ug/kg	180	30.	1
NDPA/DPA	ND		ug/kg	160	23.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	31.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	200	70.	1
Butyl benzyl phthalate	ND		ug/kg	200	51.	1
Di-n-butylphthalate	ND		ug/kg	200	38.	1
Di-n-octylphthalate	ND		ug/kg	200	68.	1

Project Name: SENDERO VERDE **Lab Number:** L1815645

Project Number: 2984.0001Y000 **Report Date:** 05/09/18

SAMPLE RESULTS

Lab ID: L1815645-01 Date Collected: 05/02/18 08:50

Client ID: SB-2 (17.5-19.5) Date Received: 05/02/18

Sample Location: EAST HARLEM, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	200	19.	1
Dimethyl phthalate	ND		ug/kg	200	42.	1
Benzo(a)anthracene	ND		ug/kg	120	23.	1
Benzo(a)pyrene	ND		ug/kg	160	49.	1
Benzo(b)fluoranthene	ND		ug/kg	120	34.	1
Benzo(k)fluoranthene	ND		ug/kg	120	32.	1
Chrysene	ND		ug/kg	120	21.	1
Acenaphthylene	ND		ug/kg	160	31.	1
Anthracene	ND		ug/kg	120	39.	1
Benzo(ghi)perylene	ND		ug/kg	160	24.	1
Fluorene	ND		ug/kg	200	20.	1
Phenanthrene	ND		ug/kg	120	24.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	23.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	160	28.	1
Pyrene	ND		ug/kg	120	20.	1
Biphenyl	ND		ug/kg	460	47.	1
4-Chloroaniline	ND		ug/kg	200	37.	1
2-Nitroaniline	ND		ug/kg	200	39.	1
3-Nitroaniline	ND		ug/kg	200	38.	1
4-Nitroaniline	ND		ug/kg	200	83.	1
Dibenzofuran	ND		ug/kg	200	19.	1
2-Methylnaphthalene	ND		ug/kg	240	24.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	21.	1
Acetophenone	ND		ug/kg	200	25.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	38.	1
p-Chloro-m-cresol	ND		ug/kg	200	30.	1
2-Chlorophenol	ND		ug/kg	200	24.	1
2,4-Dichlorophenol	ND		ug/kg	180	32.	1
2,4-Dimethylphenol	ND		ug/kg	200	66.	1
2-Nitrophenol	ND		ug/kg	430	76.	1
4-Nitrophenol	ND		ug/kg	280	82.	1
2,4-Dinitrophenol	ND		ug/kg	960	94.	1
4,6-Dinitro-o-cresol	ND		ug/kg	520	96.	1
Pentachlorophenol	ND		ug/kg	160	44.	1
Phenol	ND		ug/kg	200	30.	1
2-Methylphenol	ND		ug/kg	200	31.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	290	32.	1

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815645
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815645-01
Client ID: SB-2 (17.5-19.5)
Sample Location: EAST HARLEM, NY
Date Collected: 05/02/18 08:50
Date Received: 05/02/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	200	38.	1
Benzoic Acid	ND		ug/kg	650	200	1
Benzyl Alcohol	ND		ug/kg	200	62.	1
Carbazole	ND		ug/kg	200	20.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	84		25-120
Phenol-d6	90		10-120
Nitrobenzene-d5	98		23-120
2-Fluorobiphenyl	97		30-120
2,4,6-Tribromophenol	91		10-136
4-Terphenyl-d14	98		18-120

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815645
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815645-03
Client ID: SB-1 (12-14)
Sample Location: EAST HARLEM, NY

Date Collected: 05/02/18 11:00
Date Received: 05/02/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 05/05/18 20:15
Analyst: SZ
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 05/03/18 07:56

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	25	J	ug/kg	150	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	25.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	33.	1
1,3-Dichlorobenzene	ND		ug/kg	180	32.	1
1,4-Dichlorobenzene	ND		ug/kg	180	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	49.	1
2,4-Dinitrotoluene	ND		ug/kg	180	37.	1
2,6-Dinitrotoluene	ND		ug/kg	180	32.	1
Fluoranthene	3700		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	530	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	170	24.	1
Naphthalene	44	J	ug/kg	180	23.	1
Nitrobenzene	ND		ug/kg	170	27.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	29.	1
Bis(2-ethylhexyl)phthalate	180		ug/kg	180	64.	1
Butyl benzyl phthalate	ND		ug/kg	180	47.	1
Di-n-butylphthalate	ND		ug/kg	180	35.	1
Di-n-octylphthalate	ND		ug/kg	180	63.	1

Project Name: SENDERO VERDE **Lab Number:** L1815645

Project Number: 2984.0001Y000 **Report Date:** 05/09/18

SAMPLE RESULTS

Lab ID: L1815645-03 Date Collected: 05/02/18 11:00

Client ID: SB-1 (12-14) Date Received: 05/02/18

Sample Location: EAST HARLEM, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	39.	1
Benzo(a)anthracene	1800		ug/kg	110	21.	1
Benzo(a)pyrene	2000		ug/kg	150	45.	1
Benzo(b)fluoranthene	3000		ug/kg	110	31.	1
Benzo(k)fluoranthene	1100		ug/kg	110	30.	1
Chrysene	2100		ug/kg	110	19.	1
Acenaphthylene	1000		ug/kg	150	29.	1
Anthracene	420		ug/kg	110	36.	1
Benzo(ghi)perylene	1700		ug/kg	150	22.	1
Fluorene	86	J	ug/kg	180	18.	1
Phenanthrene	1400		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	370		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	1800		ug/kg	150	26.	1
Pyrene	3000		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	420	43.	1
4-Chloroaniline	ND		ug/kg	180	34.	1
2-Nitroaniline	ND		ug/kg	180	36.	1
3-Nitroaniline	ND		ug/kg	180	35.	1
4-Nitroaniline	ND		ug/kg	180	77.	1
Dibenzofuran	49	J	ug/kg	180	18.	1
2-Methylnaphthalene	37	J	ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
p-Chloro-m-cresol	ND		ug/kg	180	28.	1
2-Chlorophenol	ND		ug/kg	180	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	ND		ug/kg	180	61.	1
2-Nitrophenol	ND		ug/kg	400	70.	1
4-Nitrophenol	ND		ug/kg	260	76.	1
2,4-Dinitrophenol	ND		ug/kg	890	86.	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	89.	1
Pentachlorophenol	ND		ug/kg	150	41.	1
Phenol	ND		ug/kg	180	28.	1
2-Methylphenol	ND		ug/kg	180	29.	1
3-Methylphenol/4-Methylphenol	43	J	ug/kg	270	29.	1

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815645
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815645-03
Client ID: SB-1 (12-14)
Sample Location: EAST HARLEM, NY
Date Collected: 05/02/18 11:00
Date Received: 05/02/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	36.	1
Benzoic Acid	ND		ug/kg	600	190	1
Benzyl Alcohol	ND		ug/kg	180	57.	1
Carbazole	280		ug/kg	180	18.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	60		25-120
Phenol-d6	65		10-120
Nitrobenzene-d5	71		23-120
2-Fluorobiphenyl	63		30-120
2,4,6-Tribromophenol	64		10-136
4-Terphenyl-d14	60		18-120

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815645
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815645-05
Client ID: SB-5 (18-20)
Sample Location: EAST HARLEM, NY

Date Collected: 05/02/18 13:00
Date Received: 05/02/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 05/05/18 18:05
Analyst: SZ
Percent Solids: 83%

Extraction Method: EPA 3546
Extraction Date: 05/03/18 07:56

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

Project Name: SENDERO VERDE **Lab Number:** L1815645

Project Number: 2984.0001Y000 **Report Date:** 05/09/18

SAMPLE RESULTS

Lab ID: L1815645-05 Date Collected: 05/02/18 13:00

Client ID: SB-5 (18-20) Date Received: 05/02/18

Sample Location: EAST HARLEM, NY Field Prep: Not Specified

Sample Depth:

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

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815645
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815645-05
Client ID: SB-5 (18-20)
Sample Location: EAST HARLEM, NY
Date Collected: 05/02/18 13:00
Date Received: 05/02/18
Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	70		25-120
Phenol-d6	77		10-120
Nitrobenzene-d5	85		23-120
2-Fluorobiphenyl	86		30-120
2,4,6-Tribromophenol	80		10-136
4-Terphenyl-d14	80		18-120

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815645
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815645-07
Client ID: SB-6 (17-19)
Sample Location: EAST HARLEM, NY

Date Collected: 05/02/18 14:30
Date Received: 05/02/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 05/05/18 18:31
Analyst: SZ
Percent Solids: 82%

Extraction Method: EPA 3546
Extraction Date: 05/03/18 07:56

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

Project Name: SENDERO VERDE **Lab Number:** L1815645

Project Number: 2984.0001Y000 **Report Date:** 05/09/18

SAMPLE RESULTS

Lab ID: L1815645-07 Date Collected: 05/02/18 14:30

Client ID: SB-6 (17-19) Date Received: 05/02/18

Sample Location: EAST HARLEM, NY Field Prep: Not Specified

Sample Depth:

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

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815645
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815645-07
Client ID: SB-6 (17-19)
Sample Location: EAST HARLEM, NY
Date Collected: 05/02/18 14:30
Date Received: 05/02/18
Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	85		25-120
Phenol-d6	90		10-120
Nitrobenzene-d5	104		23-120
2-Fluorobiphenyl	101		30-120
2,4,6-Tribromophenol	87		10-136
4-Terphenyl-d14	95		18-120

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815645
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815645-09
Client ID: SB-10/GW
Sample Location: EAST HARLEM, NY

Date Collected: 05/02/18 10:00
Date Received: 05/02/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 05/04/18 15:28
Analyst: RC

Extraction Method: EPA 3510C
Extraction Date: 05/03/18 08:21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	4.9	0.64	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.65	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.71	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.67	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.69	1
3,3'-Dichlorobenzidine	ND		ug/l	4.9	1.4	1
2,4-Dinitrotoluene	ND		ug/l	4.9	0.82	1
2,6-Dinitrotoluene	ND		ug/l	4.9	1.1	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.61	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.71	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.68	1
Bis(2-chloroethoxy)methane	ND		ug/l	4.9	0.61	1
Hexachlorocyclopentadiene	ND		ug/l	20	7.6	1
Isophorone	ND		ug/l	4.9	0.59	1
Nitrobenzene	ND		ug/l	2.0	0.73	1
NDPA/DPA	ND		ug/l	2.0	0.63	1
n-Nitrosodi-n-propylamine	ND		ug/l	4.9	0.68	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	2.9	0.89	1
Butyl benzyl phthalate	ND		ug/l	4.9	1.2	1
Di-n-butylphthalate	ND		ug/l	4.9	0.67	1
Di-n-octylphthalate	ND		ug/l	4.9	1.1	1
Diethyl phthalate	ND		ug/l	4.9	0.61	1
Dimethyl phthalate	ND		ug/l	4.9	0.63	1
Biphenyl	ND		ug/l	2.0	0.74	1
4-Chloroaniline	ND		ug/l	4.9	0.62	1
2-Nitroaniline	ND		ug/l	4.9	1.1	1
3-Nitroaniline	ND		ug/l	4.9	1.2	1
4-Nitroaniline	ND		ug/l	4.9	1.3	1

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815645
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815645-09
Client ID: SB-10/GW
Sample Location: EAST HARLEM, NY
Date Collected: 05/02/18 10:00
Date Received: 05/02/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	ND		ug/l	2.0	0.64	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	9.8	0.65	1
Acetophenone	ND		ug/l	4.9	0.83	1
2,4,6-Trichlorophenol	ND		ug/l	4.9	0.66	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.60	1
2-Chlorophenol	ND		ug/l	2.0	0.62	1
2,4-Dichlorophenol	ND		ug/l	4.9	0.75	1
2,4-Dimethylphenol	ND		ug/l	4.9	1.6	1
2-Nitrophenol	ND		ug/l	9.8	1.5	1
4-Nitrophenol	ND		ug/l	9.8	1.7	1
2,4-Dinitrophenol	ND		ug/l	20	5.3	1
4,6-Dinitro-o-cresol	ND		ug/l	9.8	2.0	1
Phenol	ND		ug/l	4.9	1.8	1
2-Methylphenol	ND		ug/l	4.9	1.0	1
3-Methylphenol/4-Methylphenol	ND		ug/l	4.9	1.1	1
2,4,5-Trichlorophenol	ND		ug/l	4.9	0.70	1
Benzoic Acid	ND		ug/l	49	12.	1
Benzyl Alcohol	ND		ug/l	2.0	0.71	1
Carbazole	ND		ug/l	2.0	0.61	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	34		21-120
Phenol-d6	29		10-120
Nitrobenzene-d5	74		23-120
2-Fluorobiphenyl	69		15-120
2,4,6-Tribromophenol	46		10-120
4-Terphenyl-d14	77		41-149

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815645
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815645-09
Client ID: SB-10/GW
Sample Location: EAST HARLEM, NY

Date Collected: 05/02/18 10:00
Date Received: 05/02/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 05/04/18 14:01
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 05/03/18 08:25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.03	1
2-Chloronaphthalene	ND		ug/l	0.20	0.03	1
Fluoranthene	0.74		ug/l	0.10	0.04	1
Hexachlorobutadiene	ND		ug/l	0.49	0.04	1
Naphthalene	ND		ug/l	0.10	0.04	1
Benzo(a)anthracene	0.35		ug/l	0.10	0.02	1
Benzo(a)pyrene	0.33		ug/l	0.10	0.04	1
Benzo(b)fluoranthene	0.48		ug/l	0.10	0.02	1
Benzo(k)fluoranthene	0.19		ug/l	0.10	0.04	1
Chrysene	0.38		ug/l	0.10	0.04	1
Acenaphthylene	0.09	J	ug/l	0.10	0.03	1
Anthracene	0.07	J	ug/l	0.10	0.03	1
Benzo(ghi)perylene	0.20		ug/l	0.10	0.04	1
Fluorene	ND		ug/l	0.10	0.04	1
Phenanthrene	0.35		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	0.06	J	ug/l	0.10	0.04	1
Indeno(1,2,3-cd)pyrene	0.21		ug/l	0.10	0.04	1
Pyrene	0.69		ug/l	0.10	0.04	1
2-Methylnaphthalene	ND		ug/l	0.10	0.04	1
Pentachlorophenol	ND		ug/l	0.78	0.21	1
Hexachlorobenzene	ND		ug/l	0.78	0.03	1
Hexachloroethane	ND		ug/l	0.78	0.03	1

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815645
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815645-09
Client ID: SB-10/GW
Sample Location: EAST HARLEM, NY
Date Collected: 05/02/18 10:00
Date Received: 05/02/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	22		21-120
Phenol-d6	18		10-120
Nitrobenzene-d5	44		23-120
2-Fluorobiphenyl	40		15-120
2,4,6-Tribromophenol	34		10-120
4-Terphenyl-d14	45		41-149

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815645
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815645-10
Client ID: SB-4/GW
Sample Location: EAST HARLEM, NY

Date Collected: 05/02/18 12:20
Date Received: 05/02/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 05/05/18 17:08
Analyst: EK

Extraction Method: EPA 3510C
Extraction Date: 05/03/18 08:21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	4.8	0.63	1
Bis(2-chloroethyl)ether	ND		ug/l	1.9	0.64	1
1,2-Dichlorobenzene	ND		ug/l	1.9	0.70	1
1,3-Dichlorobenzene	ND		ug/l	1.9	0.66	1
1,4-Dichlorobenzene	ND		ug/l	1.9	0.68	1
3,3'-Dichlorobenzidine	ND		ug/l	4.8	1.3	1
2,4-Dinitrotoluene	ND		ug/l	4.8	0.81	1
2,6-Dinitrotoluene	ND		ug/l	4.8	1.1	1
4-Chlorophenyl phenyl ether	ND		ug/l	1.9	0.60	1
4-Bromophenyl phenyl ether	ND		ug/l	1.9	0.70	1
Bis(2-chloroisopropyl)ether	ND		ug/l	1.9	0.66	1
Bis(2-chloroethoxy)methane	ND		ug/l	4.8	0.60	1
Hexachlorocyclopentadiene	ND		ug/l	19	7.5	1
Isophorone	ND		ug/l	4.8	0.57	1
Nitrobenzene	ND		ug/l	1.9	0.72	1
NDPA/DPA	ND		ug/l	1.9	0.62	1
n-Nitrosodi-n-propylamine	ND		ug/l	4.8	0.67	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	2.9	0.87	1
Butyl benzyl phthalate	ND		ug/l	4.8	1.2	1
Di-n-butylphthalate	ND		ug/l	4.8	0.66	1
Di-n-octylphthalate	ND		ug/l	4.8	1.1	1
Diethyl phthalate	ND		ug/l	4.8	0.60	1
Dimethyl phthalate	ND		ug/l	4.8	0.62	1
Biphenyl	ND		ug/l	1.9	0.72	1
4-Chloroaniline	ND		ug/l	4.8	0.60	1
2-Nitroaniline	ND		ug/l	4.8	1.1	1
3-Nitroaniline	ND		ug/l	4.8	1.2	1
4-Nitroaniline	ND		ug/l	4.8	1.2	1

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815645
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815645-10
Client ID: SB-4/GW
Sample Location: EAST HARLEM, NY
Date Collected: 05/02/18 12:20
Date Received: 05/02/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	ND		ug/l	1.9	0.63	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	9.6	0.64	1
Acetophenone	ND		ug/l	4.8	0.81	1
2,4,6-Trichlorophenol	ND		ug/l	4.8	0.65	1
p-Chloro-m-cresol	ND		ug/l	1.9	0.59	1
2-Chlorophenol	ND		ug/l	1.9	0.60	1
2,4-Dichlorophenol	ND		ug/l	4.8	0.73	1
2,4-Dimethylphenol	ND		ug/l	4.8	1.6	1
2-Nitrophenol	ND		ug/l	9.6	1.4	1
4-Nitrophenol	ND		ug/l	9.6	1.7	1
2,4-Dinitrophenol	ND		ug/l	19	5.2	1
4,6-Dinitro-o-cresol	ND		ug/l	9.6	2.0	1
Phenol	ND		ug/l	4.8	1.8	1
2-Methylphenol	ND		ug/l	4.8	0.97	1
3-Methylphenol/4-Methylphenol	ND		ug/l	4.8	1.1	1
2,4,5-Trichlorophenol	ND		ug/l	4.8	0.68	1
Benzoic Acid	ND		ug/l	48	12.	1
Benzyl Alcohol	ND		ug/l	1.9	0.69	1
Carbazole	ND		ug/l	1.9	0.60	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	34		21-120
Phenol-d6	28		10-120
Nitrobenzene-d5	63		23-120
2-Fluorobiphenyl	72		15-120
2,4,6-Tribromophenol	62		10-120
4-Terphenyl-d14	91		41-149

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815645
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815645-10
Client ID: SB-4/GW
Sample Location: EAST HARLEM, NY

Date Collected: 05/02/18 12:20
Date Received: 05/02/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 05/04/18 15:22
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 05/03/18 08:25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.03	1
2-Chloronaphthalene	ND		ug/l	0.19	0.03	1
Fluoranthene	ND		ug/l	0.10	0.04	1
Hexachlorobutadiene	ND		ug/l	0.48	0.03	1
Naphthalene	ND		ug/l	0.10	0.04	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.04	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.02	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.04	1
Chrysene	ND		ug/l	0.10	0.04	1
Acenaphthylene	ND		ug/l	0.10	0.03	1
Anthracene	ND		ug/l	0.10	0.03	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.04	1
Fluorene	ND		ug/l	0.10	0.04	1
Phenanthrene	ND		ug/l	0.10	0.01	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.04	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.04	1
Pyrene	ND		ug/l	0.10	0.04	1
2-Methylnaphthalene	ND		ug/l	0.10	0.04	1
Pentachlorophenol	ND		ug/l	0.76	0.21	1
Hexachlorobenzene	ND		ug/l	0.76	0.03	1
Hexachloroethane	ND		ug/l	0.76	0.03	1

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815645
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815645-10
Client ID: SB-4/GW
Sample Location: EAST HARLEM, NY
Date Collected: 05/02/18 12:20
Date Received: 05/02/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	24		21-120
Phenol-d6	20		10-120
Nitrobenzene-d5	45		23-120
2-Fluorobiphenyl	45		15-120
2,4,6-Tribromophenol	52		10-120
4-Terphenyl-d14	55		41-149

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815645
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815645-11
Client ID: SB-5/GW
Sample Location: EAST HARLEM, NY

Date Collected: 05/02/18 14:00
Date Received: 05/02/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 05/04/18 15:02
Analyst: RC

Extraction Method: EPA 3510C
Extraction Date: 05/03/18 08:21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	4.8	0.63	1
Bis(2-chloroethyl)ether	ND		ug/l	1.9	0.64	1
1,2-Dichlorobenzene	ND		ug/l	1.9	0.70	1
1,3-Dichlorobenzene	ND		ug/l	1.9	0.66	1
1,4-Dichlorobenzene	ND		ug/l	1.9	0.68	1
3,3'-Dichlorobenzidine	ND		ug/l	4.8	1.3	1
2,4-Dinitrotoluene	ND		ug/l	4.8	0.81	1
2,6-Dinitrotoluene	ND		ug/l	4.8	1.1	1
4-Chlorophenyl phenyl ether	ND		ug/l	1.9	0.60	1
4-Bromophenyl phenyl ether	ND		ug/l	1.9	0.70	1
Bis(2-chloroisopropyl)ether	ND		ug/l	1.9	0.67	1
Bis(2-chloroethoxy)methane	ND		ug/l	4.8	0.60	1
Hexachlorocyclopentadiene	ND		ug/l	19	7.5	1
Isophorone	ND		ug/l	4.8	0.58	1
Nitrobenzene	ND		ug/l	1.9	0.72	1
NDPA/DPA	ND		ug/l	1.9	0.62	1
n-Nitrosodi-n-propylamine	ND		ug/l	4.8	0.67	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	2.9	0.87	1
Butyl benzyl phthalate	ND		ug/l	4.8	1.2	1
Di-n-butylphthalate	ND		ug/l	4.8	0.66	1
Di-n-octylphthalate	ND		ug/l	4.8	1.1	1
Diethyl phthalate	ND		ug/l	4.8	0.60	1
Dimethyl phthalate	ND		ug/l	4.8	0.62	1
Biphenyl	ND		ug/l	1.9	0.72	1
4-Chloroaniline	ND		ug/l	4.8	0.60	1
2-Nitroaniline	ND		ug/l	4.8	1.1	1
3-Nitroaniline	ND		ug/l	4.8	1.2	1
4-Nitroaniline	ND		ug/l	4.8	1.2	1

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815645
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815645-11
Client ID: SB-5/GW
Sample Location: EAST HARLEM, NY
Date Collected: 05/02/18 14:00
Date Received: 05/02/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	ND		ug/l	1.9	0.63	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	9.6	0.64	1
Acetophenone	ND		ug/l	4.8	0.81	1
2,4,6-Trichlorophenol	ND		ug/l	4.8	0.65	1
p-Chloro-m-cresol	ND		ug/l	1.9	0.59	1
2-Chlorophenol	ND		ug/l	1.9	0.60	1
2,4-Dichlorophenol	ND		ug/l	4.8	0.74	1
2,4-Dimethylphenol	ND		ug/l	4.8	1.6	1
2-Nitrophenol	ND		ug/l	9.6	1.4	1
4-Nitrophenol	ND		ug/l	9.6	1.7	1
2,4-Dinitrophenol	ND		ug/l	19	5.2	1
4,6-Dinitro-o-cresol	ND		ug/l	9.6	2.0	1
Phenol	ND		ug/l	4.8	1.8	1
2-Methylphenol	ND		ug/l	4.8	0.98	1
3-Methylphenol/4-Methylphenol	ND		ug/l	4.8	1.1	1
2,4,5-Trichlorophenol	ND		ug/l	4.8	0.68	1
Benzoic Acid	ND		ug/l	48	12.	1
Benzyl Alcohol	ND		ug/l	1.9	0.69	1
Carbazole	ND		ug/l	1.9	0.60	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	35		21-120
Phenol-d6	30		10-120
Nitrobenzene-d5	80		23-120
2-Fluorobiphenyl	81		15-120
2,4,6-Tribromophenol	52		10-120
4-Terphenyl-d14	91		41-149

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815645
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815645-11
Client ID: SB-5/GW
Sample Location: EAST HARLEM, NY

Date Collected: 05/02/18 14:00
Date Received: 05/02/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 05/04/18 14:55
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 05/03/18 08:25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.03	1
2-Chloronaphthalene	ND		ug/l	0.19	0.03	1
Fluoranthene	2.6		ug/l	0.10	0.04	1
Hexachlorobutadiene	ND		ug/l	0.48	0.03	1
Naphthalene	0.11		ug/l	0.10	0.04	1
Benzo(a)anthracene	0.94		ug/l	0.10	0.02	1
Benzo(a)pyrene	1.2		ug/l	0.10	0.04	1
Benzo(b)fluoranthene	2.2		ug/l	0.10	0.02	1
Benzo(k)fluoranthene	0.82		ug/l	0.10	0.04	1
Chrysene	1.3		ug/l	0.10	0.04	1
Acenaphthylene	0.43		ug/l	0.10	0.03	1
Anthracene	0.16		ug/l	0.10	0.03	1
Benzo(ghi)perylene	0.71		ug/l	0.10	0.04	1
Fluorene	0.06	J	ug/l	0.10	0.04	1
Phenanthrene	1.2		ug/l	0.10	0.01	1
Dibenzo(a,h)anthracene	0.20		ug/l	0.10	0.04	1
Indeno(1,2,3-cd)pyrene	0.81		ug/l	0.10	0.04	1
Pyrene	2.0		ug/l	0.10	0.04	1
2-Methylnaphthalene	ND		ug/l	0.10	0.04	1
Pentachlorophenol	ND		ug/l	0.76	0.21	1
Hexachlorobenzene	ND		ug/l	0.76	0.03	1
Hexachloroethane	ND		ug/l	0.76	0.03	1

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815645
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815645-11
Client ID: SB-5/GW
Sample Location: EAST HARLEM, NY
Date Collected: 05/02/18 14:00
Date Received: 05/02/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	23		21-120
Phenol-d6	20		10-120
Nitrobenzene-d5	50		23-120
2-Fluorobiphenyl	47		15-120
2,4,6-Tribromophenol	40		10-120
4-Terphenyl-d14	54		41-149

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815645
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815645-12
Client ID: SB-10/GW FILTERED
Sample Location: EAST HARLEM, NY

Date Collected: 05/02/18 10:00
Date Received: 05/02/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 05/09/18 01:47
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 05/04/18 12:21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.66	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.67	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.73	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.69	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.71	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.4	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.84	1
2,6-Dinitrotoluene	ND		ug/l	5.0	1.1	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.62	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.73	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.70	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.63	1
Hexachlorocyclopentadiene	ND		ug/l	20	7.8	1
Isophorone	ND		ug/l	5.0	0.60	1
Nitrobenzene	ND		ug/l	2.0	0.75	1
NDPA/DPA	ND		ug/l	2.0	0.64	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.70	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	0.91	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.3	1
Di-n-butylphthalate	ND		ug/l	5.0	0.69	1
Di-n-octylphthalate	ND		ug/l	5.0	1.1	1
Diethyl phthalate	ND		ug/l	5.0	0.63	1
Dimethyl phthalate	ND		ug/l	5.0	0.65	1
Biphenyl	ND		ug/l	2.0	0.76	1
4-Chloroaniline	ND		ug/l	5.0	0.63	1
2-Nitroaniline	ND		ug/l	5.0	1.1	1
3-Nitroaniline	ND		ug/l	5.0	1.2	1
4-Nitroaniline	ND		ug/l	5.0	1.3	1

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815645
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815645-12
Client ID: SB-10/GW FILTERED
Sample Location: EAST HARLEM, NY
Date Collected: 05/02/18 10:00
Date Received: 05/02/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	ND		ug/l	2.0	0.66	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.67	1
Acetophenone	ND		ug/l	5.0	0.85	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.68	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.62	1
2-Chlorophenol	ND		ug/l	2.0	0.63	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.77	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.6	1
2-Nitrophenol	ND		ug/l	10	1.5	1
4-Nitrophenol	ND		ug/l	10	1.8	1
2,4-Dinitrophenol	ND		ug/l	20	5.5	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.1	1
Phenol	ND		ug/l	5.0	1.9	1
2-Methylphenol	ND		ug/l	5.0	1.0	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.1	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.72	1
Benzoic Acid	ND		ug/l	50	13.	1
Benzyl Alcohol	ND		ug/l	2.0	0.72	1
Carbazole	ND		ug/l	2.0	0.63	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	54		21-120
Phenol-d6	39		10-120
Nitrobenzene-d5	91		23-120
2-Fluorobiphenyl	88		15-120
2,4,6-Tribromophenol	93		10-120
4-Terphenyl-d14	99		41-149

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815645
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815645-12
Client ID: SB-10/GW FILTERED
Sample Location: EAST HARLEM, NY

Date Collected: 05/02/18 10:00
Date Received: 05/02/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 05/05/18 14:22
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 05/04/18 12:24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.04	1
2-Chloronaphthalene	ND		ug/l	0.20	0.04	1
Fluoranthene	0.09	J	ug/l	0.10	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.04	1
Naphthalene	ND		ug/l	0.10	0.04	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.04	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.02	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.04	1
Chrysene	ND		ug/l	0.10	0.04	1
Acenaphthylene	ND		ug/l	0.10	0.04	1
Anthracene	ND		ug/l	0.10	0.04	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.04	1
Fluorene	ND		ug/l	0.10	0.04	1
Phenanthrene	0.14		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.04	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.04	1
Pyrene	0.07	J	ug/l	0.10	0.04	1
2-Methylnaphthalene	ND		ug/l	0.10	0.05	1
Pentachlorophenol	ND		ug/l	0.80	0.22	1
Hexachlorobenzene	ND		ug/l	0.80	0.03	1
Hexachloroethane	ND		ug/l	0.80	0.03	1

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815645
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815645-12
Client ID: SB-10/GW FILTERED
Sample Location: EAST HARLEM, NY
Date Collected: 05/02/18 10:00
Date Received: 05/02/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	42		21-120
Phenol-d6	31		10-120
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	69		15-120
2,4,6-Tribromophenol	96		10-120
4-Terphenyl-d14	86		41-149

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815645
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815645-13
Client ID: SB-4/GW FILTERED
Sample Location: EAST HARLEM, NY

Date Collected: 05/02/18 12:20
Date Received: 05/02/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 05/09/18 02:12
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 05/04/18 12:21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.66	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.67	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.73	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.69	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.71	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.4	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.84	1
2,6-Dinitrotoluene	ND		ug/l	5.0	1.1	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.62	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.73	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.70	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.63	1
Hexachlorocyclopentadiene	ND		ug/l	20	7.8	1
Isophorone	ND		ug/l	5.0	0.60	1
Nitrobenzene	ND		ug/l	2.0	0.75	1
NDPA/DPA	ND		ug/l	2.0	0.64	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.70	1
Bis(2-ethylhexyl)phthalate	9.4		ug/l	3.0	0.91	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.3	1
Di-n-butylphthalate	ND		ug/l	5.0	0.69	1
Di-n-octylphthalate	ND		ug/l	5.0	1.1	1
Diethyl phthalate	ND		ug/l	5.0	0.63	1
Dimethyl phthalate	ND		ug/l	5.0	0.65	1
Biphenyl	ND		ug/l	2.0	0.76	1
4-Chloroaniline	ND		ug/l	5.0	0.63	1
2-Nitroaniline	ND		ug/l	5.0	1.1	1
3-Nitroaniline	ND		ug/l	5.0	1.2	1
4-Nitroaniline	ND		ug/l	5.0	1.3	1

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815645
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815645-13
Client ID: SB-4/GW FILTERED
Sample Location: EAST HARLEM, NY
Date Collected: 05/02/18 12:20
Date Received: 05/02/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	ND		ug/l	2.0	0.66	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.67	1
Acetophenone	ND		ug/l	5.0	0.85	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.68	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.62	1
2-Chlorophenol	ND		ug/l	2.0	0.63	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.77	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.6	1
2-Nitrophenol	ND		ug/l	10	1.5	1
4-Nitrophenol	ND		ug/l	10	1.8	1
2,4-Dinitrophenol	ND		ug/l	20	5.5	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.1	1
Phenol	ND		ug/l	5.0	1.9	1
2-Methylphenol	ND		ug/l	5.0	1.0	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.1	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.72	1
Benzoic Acid	ND		ug/l	50	13.	1
Benzyl Alcohol	ND		ug/l	2.0	0.72	1
Carbazole	ND		ug/l	2.0	0.63	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	44		21-120
Phenol-d6	33		10-120
Nitrobenzene-d5	79		23-120
2-Fluorobiphenyl	83		15-120
2,4,6-Tribromophenol	98		10-120
4-Terphenyl-d14	119		41-149

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815645
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815645-13
Client ID: SB-4/GW FILTERED
Sample Location: EAST HARLEM, NY

Date Collected: 05/02/18 12:20
Date Received: 05/02/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 05/05/18 14:49
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 05/04/18 12:24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.04	1
2-Chloronaphthalene	ND		ug/l	0.20	0.04	1
Fluoranthene	ND		ug/l	0.10	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.04	1
Naphthalene	ND		ug/l	0.10	0.04	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.04	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.02	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.04	1
Chrysene	ND		ug/l	0.10	0.04	1
Acenaphthylene	ND		ug/l	0.10	0.04	1
Anthracene	ND		ug/l	0.10	0.04	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.04	1
Fluorene	ND		ug/l	0.10	0.04	1
Phenanthrene	ND		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.04	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.04	1
Pyrene	ND		ug/l	0.10	0.04	1
2-Methylnaphthalene	ND		ug/l	0.10	0.05	1
Pentachlorophenol	ND		ug/l	0.80	0.22	1
Hexachlorobenzene	ND		ug/l	0.80	0.03	1
Hexachloroethane	ND		ug/l	0.80	0.03	1

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815645
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815645-13
Client ID: SB-4/GW FILTERED
Sample Location: EAST HARLEM, NY
Date Collected: 05/02/18 12:20
Date Received: 05/02/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	35		21-120
Phenol-d6	28		10-120
Nitrobenzene-d5	64		23-120
2-Fluorobiphenyl	66		15-120
2,4,6-Tribromophenol	103		10-120
4-Terphenyl-d14	101		41-149

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815645
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815645-14
Client ID: SB-5/GW FILTERED
Sample Location: EAST HARLEM, NY

Date Collected: 05/02/18 14:00
Date Received: 05/02/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 05/09/18 02:38
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 05/04/18 12:21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.66	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.67	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.73	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.69	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.71	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.4	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.84	1
2,6-Dinitrotoluene	ND		ug/l	5.0	1.1	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.62	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.73	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.70	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.63	1
Hexachlorocyclopentadiene	ND		ug/l	20	7.8	1
Isophorone	ND		ug/l	5.0	0.60	1
Nitrobenzene	ND		ug/l	2.0	0.75	1
NDPA/DPA	ND		ug/l	2.0	0.64	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.70	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	0.91	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.3	1
Di-n-butylphthalate	ND		ug/l	5.0	0.69	1
Di-n-octylphthalate	ND		ug/l	5.0	1.1	1
Diethyl phthalate	ND		ug/l	5.0	0.63	1
Dimethyl phthalate	ND		ug/l	5.0	0.65	1
Biphenyl	ND		ug/l	2.0	0.76	1
4-Chloroaniline	ND		ug/l	5.0	0.63	1
2-Nitroaniline	ND		ug/l	5.0	1.1	1
3-Nitroaniline	ND		ug/l	5.0	1.2	1
4-Nitroaniline	ND		ug/l	5.0	1.3	1

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815645
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815645-14
Client ID: SB-5/GW FILTERED
Sample Location: EAST HARLEM, NY
Date Collected: 05/02/18 14:00
Date Received: 05/02/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	ND		ug/l	2.0	0.66	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.67	1
Acetophenone	ND		ug/l	5.0	0.85	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.68	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.62	1
2-Chlorophenol	ND		ug/l	2.0	0.63	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.77	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.6	1
2-Nitrophenol	ND		ug/l	10	1.5	1
4-Nitrophenol	ND		ug/l	10	1.8	1
2,4-Dinitrophenol	ND		ug/l	20	5.5	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.1	1
Phenol	ND		ug/l	5.0	1.9	1
2-Methylphenol	ND		ug/l	5.0	1.0	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.1	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.72	1
Benzoic Acid	ND		ug/l	50	13.	1
Benzyl Alcohol	ND		ug/l	2.0	0.72	1
Carbazole	ND		ug/l	2.0	0.63	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	46		21-120
Phenol-d6	36		10-120
Nitrobenzene-d5	80		23-120
2-Fluorobiphenyl	84		15-120
2,4,6-Tribromophenol	94		10-120
4-Terphenyl-d14	113		41-149

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815645
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815645-14
Client ID: SB-5/GW FILTERED
Sample Location: EAST HARLEM, NY

Date Collected: 05/02/18 14:00
Date Received: 05/02/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 05/05/18 15:15
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 05/04/18 12:24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.04	1
2-Chloronaphthalene	ND		ug/l	0.20	0.04	1
Fluoranthene	0.06	J	ug/l	0.10	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.04	1
Naphthalene	ND		ug/l	0.10	0.04	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.04	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.02	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.04	1
Chrysene	ND		ug/l	0.10	0.04	1
Acenaphthylene	ND		ug/l	0.10	0.04	1
Anthracene	ND		ug/l	0.10	0.04	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.04	1
Fluorene	ND		ug/l	0.10	0.04	1
Phenanthrene	0.12		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.04	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.04	1
Pyrene	0.04	J	ug/l	0.10	0.04	1
2-Methylnaphthalene	ND		ug/l	0.10	0.05	1
Pentachlorophenol	ND		ug/l	0.80	0.22	1
Hexachlorobenzene	ND		ug/l	0.80	0.03	1
Hexachloroethane	ND		ug/l	0.80	0.03	1

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815645
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815645-14
Client ID: SB-5/GW FILTERED
Sample Location: EAST HARLEM, NY
Date Collected: 05/02/18 14:00
Date Received: 05/02/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	38		21-120
Phenol-d6	30		10-120
Nitrobenzene-d5	65		23-120
2-Fluorobiphenyl	67		15-120
2,4,6-Tribromophenol	101		10-120
4-Terphenyl-d14	98		41-149

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815645
Report Date: 05/09/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 05/03/18 20:30
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 05/03/18 07:56

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01,03,05,07 Batch: WG1112148-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	19.
Hexachlorobenzene	ND		ug/kg	99	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	30.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	29.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	33.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	99	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	18.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	27.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	26.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	57.
Butyl benzyl phthalate	ND		ug/kg	160	42.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	56.
Diethyl phthalate	ND		ug/kg	160	15.

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815645
Report Date: 05/09/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 05/03/18 20:30
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 05/03/18 07:56

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01,03,05,07 Batch: WG1112148-1					
Dimethyl phthalate	ND		ug/kg	160	35.
Benzo(a)anthracene	ND		ug/kg	99	19.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	99	28.
Benzo(k)fluoranthene	ND		ug/kg	99	26.
Chrysene	ND		ug/kg	99	17.
Acenaphthylene	ND		ug/kg	130	26.
Anthracene	ND		ug/kg	99	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	99	20.
Dibenzo(a,h)anthracene	ND		ug/kg	99	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	99	16.
Biphenyl	ND		ug/kg	380	38.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	32.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	68.
Dibenzofuran	ND		ug/kg	160	16.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	99	31.
p-Chloro-m-cresol	ND		ug/kg	160	25.
2-Chlorophenol	ND		ug/kg	160	20.
2,4-Dichlorophenol	ND		ug/kg	150	27.
2,4-Dimethylphenol	ND		ug/kg	160	55.
2-Nitrophenol	ND		ug/kg	360	62.

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815645
Report Date: 05/09/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 05/03/18 20:30
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 05/03/18 07:56

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01,03,05,07 Batch: WG1112148-1					
4-Nitrophenol	ND		ug/kg	230	68.
2,4-Dinitrophenol	ND		ug/kg	790	77.
4,6-Dinitro-o-cresol	ND		ug/kg	430	79.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	26.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	32.
Benzoic Acid	ND		ug/kg	540	170
Benzyl Alcohol	ND		ug/kg	160	51.
Carbazole	ND		ug/kg	160	16.
Tentatively Identified Compounds					
Total TIC Compounds	142	J	ug/kg		
Aldol Condensates	142	J	ug/kg		

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	79		25-120
Phenol-d6	83		10-120
Nitrobenzene-d5	84		23-120
2-Fluorobiphenyl	83		30-120
2,4,6-Tribromophenol	91		10-136
4-Terphenyl-d14	100		18-120

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815645
Report Date: 05/09/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 05/04/18 11:00
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 05/03/18 08:21

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 09-11 Batch: WG1112157-1					
Acenaphthene	ND		ug/l	2.0	0.59
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.66
Hexachlorobenzene	ND		ug/l	2.0	0.58
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.67
2-Chloronaphthalene	ND		ug/l	2.0	0.64
1,2-Dichlorobenzene	ND		ug/l	2.0	0.73
1,3-Dichlorobenzene	ND		ug/l	2.0	0.69
1,4-Dichlorobenzene	ND		ug/l	2.0	0.71
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.4
2,4-Dinitrotoluene	ND		ug/l	5.0	0.84
2,6-Dinitrotoluene	ND		ug/l	5.0	1.1
Fluoranthene	ND		ug/l	2.0	0.57
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.62
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.73
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.70
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.63
Hexachlorobutadiene	ND		ug/l	2.0	0.72
Hexachlorocyclopentadiene	ND		ug/l	20	7.8
Hexachloroethane	ND		ug/l	2.0	0.68
Isophorone	ND		ug/l	5.0	0.60
Naphthalene	ND		ug/l	2.0	0.68
Nitrobenzene	ND		ug/l	2.0	0.75
NDPA/DPA	ND		ug/l	2.0	0.64
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.70
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	0.91
Butyl benzyl phthalate	ND		ug/l	5.0	1.3
Di-n-butylphthalate	ND		ug/l	5.0	0.69
Di-n-octylphthalate	ND		ug/l	5.0	1.1
Diethyl phthalate	ND		ug/l	5.0	0.63

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815645
Report Date: 05/09/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 05/04/18 11:00
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 05/03/18 08:21

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 09-11 Batch: WG1112157-1					
Dimethyl phthalate	ND		ug/l	5.0	0.65
Benzo(a)anthracene	ND		ug/l	2.0	0.61
Benzo(a)pyrene	ND		ug/l	2.0	0.54
Benzo(b)fluoranthene	ND		ug/l	2.0	0.64
Benzo(k)fluoranthene	ND		ug/l	2.0	0.60
Chrysene	ND		ug/l	2.0	0.54
Acenaphthylene	ND		ug/l	2.0	0.66
Anthracene	ND		ug/l	2.0	0.64
Benzo(ghi)perylene	ND		ug/l	2.0	0.61
Fluorene	ND		ug/l	2.0	0.62
Phenanthrene	ND		ug/l	2.0	0.61
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.55
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.71
Pyrene	ND		ug/l	2.0	0.57
Biphenyl	ND		ug/l	2.0	0.76
4-Chloroaniline	ND		ug/l	5.0	0.63
2-Nitroaniline	ND		ug/l	5.0	1.1
3-Nitroaniline	ND		ug/l	5.0	1.2
4-Nitroaniline	ND		ug/l	5.0	1.3
Dibenzofuran	ND		ug/l	2.0	0.66
2-Methylnaphthalene	ND		ug/l	2.0	0.72
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.67
Acetophenone	ND		ug/l	5.0	0.85
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.68
p-Chloro-m-cresol	ND		ug/l	2.0	0.62
2-Chlorophenol	ND		ug/l	2.0	0.63
2,4-Dichlorophenol	ND		ug/l	5.0	0.77
2,4-Dimethylphenol	ND		ug/l	5.0	1.6
2-Nitrophenol	ND		ug/l	10	1.5

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815645
Report Date: 05/09/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 05/04/18 11:00
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 05/03/18 08:21

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 09-11 Batch: WG1112157-1					
4-Nitrophenol	ND		ug/l	10	1.8
2,4-Dinitrophenol	ND		ug/l	20	5.5
4,6-Dinitro-o-cresol	ND		ug/l	10	2.1
Pentachlorophenol	ND		ug/l	10	3.4
Phenol	ND		ug/l	5.0	1.9
2-Methylphenol	ND		ug/l	5.0	1.0
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.72
Benzoic Acid	ND		ug/l	50	13.
Benzyl Alcohol	ND		ug/l	2.0	0.72
Carbazole	ND		ug/l	2.0	0.63
Tentatively Identified Compounds					
Total TIC Compounds	5.06	J	ug/l		
Aldol Condensates	5.06	J	ug/l		

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	40		21-120
Phenol-d6	27		10-120
Nitrobenzene-d5	61		23-120
2-Fluorobiphenyl	69		15-120
2,4,6-Tribromophenol	63		10-120
4-Terphenyl-d14	81		41-149

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815645
Report Date: 05/09/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 05/04/18 09:32
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 05/03/18 08:25

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 09-11 Batch: WG1112158-1					
Acenaphthene	ND		ug/l	0.10	0.04
2-Chloronaphthalene	ND		ug/l	0.20	0.04
Fluoranthene	ND		ug/l	0.10	0.04
Hexachlorobutadiene	ND		ug/l	0.50	0.04
Naphthalene	ND		ug/l	0.10	0.04
Benzo(a)anthracene	ND		ug/l	0.10	0.02
Benzo(a)pyrene	ND		ug/l	0.10	0.04
Benzo(b)fluoranthene	ND		ug/l	0.10	0.02
Benzo(k)fluoranthene	ND		ug/l	0.10	0.04
Chrysene	ND		ug/l	0.10	0.04
Acenaphthylene	ND		ug/l	0.10	0.04
Anthracene	ND		ug/l	0.10	0.04
Benzo(ghi)perylene	ND		ug/l	0.10	0.04
Fluorene	ND		ug/l	0.10	0.04
Phenanthrene	ND		ug/l	0.10	0.02
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.04
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.04
Pyrene	ND		ug/l	0.10	0.04
2-Methylnaphthalene	ND		ug/l	0.10	0.05
Pentachlorophenol	ND		ug/l	0.80	0.22
Hexachlorobenzene	ND		ug/l	0.80	0.03
Hexachloroethane	ND		ug/l	0.80	0.03

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815645
Report Date: 05/09/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 05/04/18 09:32
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 05/03/18 08:25

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 09-11 Batch: WG1112158-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	26		21-120
Phenol-d6	19		10-120
Nitrobenzene-d5	45		23-120
2-Fluorobiphenyl	42		15-120
2,4,6-Tribromophenol	52		10-120
4-Terphenyl-d14	51		41-149

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815645
Report Date: 05/09/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 05/08/18 23:13
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 05/04/18 12:21

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 12-14 Batch: WG1112698-1					
Acenaphthene	ND		ug/l	2.0	0.59
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.66
Hexachlorobenzene	ND		ug/l	2.0	0.58
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.67
2-Chloronaphthalene	ND		ug/l	2.0	0.64
1,2-Dichlorobenzene	ND		ug/l	2.0	0.73
1,3-Dichlorobenzene	ND		ug/l	2.0	0.69
1,4-Dichlorobenzene	ND		ug/l	2.0	0.71
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.4
2,4-Dinitrotoluene	ND		ug/l	5.0	0.84
2,6-Dinitrotoluene	ND		ug/l	5.0	1.1
Fluoranthene	ND		ug/l	2.0	0.57
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.62
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.73
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.70
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.63
Hexachlorobutadiene	ND		ug/l	2.0	0.72
Hexachlorocyclopentadiene	ND		ug/l	20	7.8
Hexachloroethane	ND		ug/l	2.0	0.68
Isophorone	ND		ug/l	5.0	0.60
Naphthalene	ND		ug/l	2.0	0.68
Nitrobenzene	ND		ug/l	2.0	0.75
NDPA/DPA	ND		ug/l	2.0	0.64
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.70
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	0.91
Butyl benzyl phthalate	ND		ug/l	5.0	1.3
Di-n-butylphthalate	ND		ug/l	5.0	0.69
Di-n-octylphthalate	ND		ug/l	5.0	1.1
Diethyl phthalate	ND		ug/l	5.0	0.63

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815645
Report Date: 05/09/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 05/08/18 23:13
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 05/04/18 12:21

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 12-14 Batch: WG1112698-1					
Dimethyl phthalate	ND		ug/l	5.0	0.65
Benzo(a)anthracene	ND		ug/l	2.0	0.61
Benzo(a)pyrene	ND		ug/l	2.0	0.54
Benzo(b)fluoranthene	ND		ug/l	2.0	0.64
Benzo(k)fluoranthene	ND		ug/l	2.0	0.60
Chrysene	ND		ug/l	2.0	0.54
Acenaphthylene	ND		ug/l	2.0	0.66
Anthracene	ND		ug/l	2.0	0.64
Benzo(ghi)perylene	ND		ug/l	2.0	0.61
Fluorene	ND		ug/l	2.0	0.62
Phenanthrene	ND		ug/l	2.0	0.61
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.55
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.71
Pyrene	ND		ug/l	2.0	0.57
Biphenyl	ND		ug/l	2.0	0.76
4-Chloroaniline	ND		ug/l	5.0	0.63
2-Nitroaniline	ND		ug/l	5.0	1.1
3-Nitroaniline	ND		ug/l	5.0	1.2
4-Nitroaniline	ND		ug/l	5.0	1.3
Dibenzofuran	ND		ug/l	2.0	0.66
2-Methylnaphthalene	ND		ug/l	2.0	0.72
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.67
Acetophenone	ND		ug/l	5.0	0.85
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.68
p-Chloro-m-cresol	ND		ug/l	2.0	0.62
2-Chlorophenol	ND		ug/l	2.0	0.63
2,4-Dichlorophenol	ND		ug/l	5.0	0.77
2,4-Dimethylphenol	ND		ug/l	5.0	1.6
2-Nitrophenol	ND		ug/l	10	1.5

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815645
Report Date: 05/09/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 05/08/18 23:13
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 05/04/18 12:21

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 12-14 Batch: WG1112698-1					
4-Nitrophenol	ND		ug/l	10	1.8
2,4-Dinitrophenol	ND		ug/l	20	5.5
4,6-Dinitro-o-cresol	ND		ug/l	10	2.1
Pentachlorophenol	ND		ug/l	10	3.4
Phenol	ND		ug/l	5.0	1.9
2-Methylphenol	ND		ug/l	5.0	1.0
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.72
Benzoic Acid	ND		ug/l	50	13.
Benzyl Alcohol	ND		ug/l	2.0	0.72
Carbazole	ND		ug/l	2.0	0.63
Tentatively Identified Compounds					
Total TIC Compounds	11.0	J	ug/l		
Aldol Condensates	11.0	J	ug/l		

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	61		21-120
Phenol-d6	42		10-120
Nitrobenzene-d5	105		23-120
2-Fluorobiphenyl	98		15-120
2,4,6-Tribromophenol	109		10-120
4-Terphenyl-d14	120		41-149

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815645
Report Date: 05/09/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 05/05/18 13:02
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 05/04/18 12:24

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 12-14 Batch: WG1112700-1					
Acenaphthene	ND		ug/l	0.10	0.04
2-Chloronaphthalene	ND		ug/l	0.20	0.04
Fluoranthene	ND		ug/l	0.10	0.04
Hexachlorobutadiene	ND		ug/l	0.50	0.04
Naphthalene	ND		ug/l	0.10	0.04
Benzo(a)anthracene	ND		ug/l	0.10	0.02
Benzo(a)pyrene	ND		ug/l	0.10	0.04
Benzo(b)fluoranthene	ND		ug/l	0.10	0.02
Benzo(k)fluoranthene	ND		ug/l	0.10	0.04
Chrysene	ND		ug/l	0.10	0.04
Acenaphthylene	ND		ug/l	0.10	0.04
Anthracene	ND		ug/l	0.10	0.04
Benzo(ghi)perylene	ND		ug/l	0.10	0.04
Fluorene	ND		ug/l	0.10	0.04
Phenanthrene	ND		ug/l	0.10	0.02
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.04
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.04
Pyrene	ND		ug/l	0.10	0.04
2-Methylnaphthalene	ND		ug/l	0.10	0.05
Pentachlorophenol	ND		ug/l	0.80	0.22
Hexachlorobenzene	ND		ug/l	0.80	0.03
Hexachloroethane	ND		ug/l	0.80	0.03

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815645
Report Date: 05/09/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 05/05/18 13:02
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 05/04/18 12:24

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 12-14 Batch: WG1112700-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	47		21-120
Phenol-d6	34		10-120
Nitrobenzene-d5	84		23-120
2-Fluorobiphenyl	76		15-120
2,4,6-Tribromophenol	108		10-120
4-Terphenyl-d14	102		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815645
Report Date: 05/09/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03,05,07 Batch: WG1112148-2 WG1112148-3								
Acenaphthene	73		70		31-137	4		50
1,2,4-Trichlorobenzene	75		75		38-107	0		50
Hexachlorobenzene	91		87		40-140	4		50
Bis(2-chloroethyl)ether	72		71		40-140	1		50
2-Chloronaphthalene	80		77		40-140	4		50
1,2-Dichlorobenzene	68		67		40-140	1		50
1,3-Dichlorobenzene	68		67		40-140	1		50
1,4-Dichlorobenzene	69		67		28-104	3		50
3,3'-Dichlorobenzidine	55		48		40-140	14		50
2,4-Dinitrotoluene	96		92		40-132	4		50
2,6-Dinitrotoluene	97		93		40-140	4		50
Fluoranthene	82		78		40-140	5		50
4-Chlorophenyl phenyl ether	88		84		40-140	5		50
4-Bromophenyl phenyl ether	92		87		40-140	6		50
Bis(2-chloroisopropyl)ether	85		84		40-140	1		50
Bis(2-chloroethoxy)methane	78		77		40-117	1		50
Hexachlorobutadiene	88		85		40-140	3		50
Hexachlorocyclopentadiene	95		92		40-140	3		50
Hexachloroethane	70		69		40-140	1		50
Isophorone	82		80		40-140	2		50
Naphthalene	72		70		40-140	3		50
Nitrobenzene	85		83		40-140	2		50
NDPA/DPA	82		78		36-157	5		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815645
Report Date: 05/09/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03,05,07 Batch: WG1112148-2 WG1112148-3								
n-Nitrosodi-n-propylamine	84		84		32-121	0		50
Bis(2-ethylhexyl)phthalate	72		70		40-140	3		50
Butyl benzyl phthalate	78		74		40-140	5		50
Di-n-butylphthalate	76		74		40-140	3		50
Di-n-octylphthalate	72		71		40-140	1		50
Diethyl phthalate	78		76		40-140	3		50
Dimethyl phthalate	84		80		40-140	5		50
Benzo(a)anthracene	76		73		40-140	4		50
Benzo(a)pyrene	78		78		40-140	0		50
Benzo(b)fluoranthene	73		74		40-140	1		50
Benzo(k)fluoranthene	81		80		40-140	1		50
Chrysene	76		74		40-140	3		50
Acenaphthylene	84		82		40-140	2		50
Anthracene	76		73		40-140	4		50
Benzo(ghi)perylene	74		76		40-140	3		50
Fluorene	80		76		40-140	5		50
Phenanthrene	72		71		40-140	1		50
Dibenzo(a,h)anthracene	73		75		40-140	3		50
Indeno(1,2,3-cd)pyrene	73		75		40-140	3		50
Pyrene	79		76		35-142	4		50
Biphenyl	79		76		54-104	4		50
4-Chloroaniline	70		**33**	Q	40-140	**72**	Q	50
2-Nitroaniline	90		86		47-134	5		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815645
Report Date: 05/09/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03,05,07 Batch: WG1112148-2 WG1112148-3								
3-Nitroaniline	60		53		26-129	12		50
4-Nitroaniline	79		74		41-125	7		50
Dibenzofuran	78		74		40-140	5		50
2-Methylnaphthalene	74		72		40-140	3		50
1,2,4,5-Tetrachlorobenzene	91		87		40-117	4		50
Acetophenone	78		76		14-144	3		50
2,4,6-Trichlorophenol	91		88		30-130	3		50
p-Chloro-m-cresol	87		84		26-103	4		50
2-Chlorophenol	74		72		25-102	3		50
2,4-Dichlorophenol	81		77		30-130	5		50
2,4-Dimethylphenol	83		81		30-130	2		50
2-Nitrophenol	84		82		30-130	2		50
4-Nitrophenol	94		90		11-114	4		50
2,4-Dinitrophenol	73		70		4-130	4		50
4,6-Dinitro-o-cresol	100		94		10-130	6		50
Pentachlorophenol	95		90		17-109	5		50
Phenol	78		75		26-90	4		50
2-Methylphenol	80		78		30-130.	3		50
3-Methylphenol/4-Methylphenol	80		77		30-130	4		50
2,4,5-Trichlorophenol	95		95		30-130	0		50
Benzoic Acid	35		33		10-110	6		50
Benzyl Alcohol	85		83		40-140	2		50
Carbazole	73		69		54-128	6		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815645
Report Date: 05/09/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03,05,07 Batch: WG1112148-2 WG1112148-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	73		69		25-120
Phenol-d6	79		76		10-120
Nitrobenzene-d5	85		84		23-120
2-Fluorobiphenyl	82		79		30-120
2,4,6-Tribromophenol	95		90		10-136
4-Terphenyl-d14	94		88		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: SENDERO VERDE

Project Number: 2984.0001Y000

Lab Number: L1815645

Report Date: 05/09/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 09-11 Batch: WG1112157-2 WG1112157-3								
Acenaphthene	77		71		37-111	8		30
1,2,4-Trichlorobenzene	73		63		39-98	15		30
Hexachlorobenzene	78		74		40-140	5		30
Bis(2-chloroethyl)ether	73		63		40-140	15		30
2-Chloronaphthalene	74		68		40-140	8		30
1,2-Dichlorobenzene	74		62		40-140	18		30
1,3-Dichlorobenzene	72		60		40-140	18		30
1,4-Dichlorobenzene	72		60		36-97	18		30
3,3'-Dichlorobenzidine	65		60		40-140	8		30
2,4-Dinitrotoluene	80		76		48-143	5		30
2,6-Dinitrotoluene	79		75		40-140	5		30
Fluoranthene	82		75		40-140	9		30
4-Chlorophenyl phenyl ether	78		73		40-140	7		30
4-Bromophenyl phenyl ether	82		77		40-140	6		30
Bis(2-chloroisopropyl)ether	75		64		40-140	16		30
Bis(2-chloroethoxy)methane	75		67		40-140	11		30
Hexachlorobutadiene	75		65		40-140	14		30
Hexachlorocyclopentadiene	79		68		40-140	15		30
Hexachloroethane	71		60		40-140	17		30
Isophorone	76		67		40-140	13		30
Naphthalene	74		65		40-140	13		30
Nitrobenzene	72		62		40-140	15		30
NDPA/DPA	78		72		40-140	8		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815645
Report Date: 05/09/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 09-11 Batch: WG1112157-2 WG1112157-3								
n-Nitrosodi-n-propylamine	75		65		29-132	14		30
Bis(2-ethylhexyl)phthalate	90		85		40-140	6		30
Butyl benzyl phthalate	86		80		40-140	7		30
Di-n-butylphthalate	84		78		40-140	7		30
Di-n-octylphthalate	90		84		40-140	7		30
Diethyl phthalate	80		74		40-140	8		30
Dimethyl phthalate	79		74		40-140	7		30
Benzo(a)anthracene	81		75		40-140	8		30
Benzo(a)pyrene	79		74		40-140	7		30
Benzo(b)fluoranthene	78		73		40-140	7		30
Benzo(k)fluoranthene	82		76		40-140	8		30
Chrysene	80		76		40-140	5		30
Acenaphthylene	78		71		45-123	9		30
Anthracene	82		76		40-140	8		30
Benzo(ghi)perylene	81		75		40-140	8		30
Fluorene	77		72		40-140	7		30
Phenanthrene	81		75		40-140	8		30
Dibenzo(a,h)anthracene	80		75		40-140	6		30
Indeno(1,2,3-cd)pyrene	83		74		40-140	11		30
Pyrene	81		74		26-127	9		30
Biphenyl	78		71		40-140	9		30
4-Chloroaniline	68		62		40-140	9		30
2-Nitroaniline	79		73		52-143	8		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815645
Report Date: 05/09/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 09-11 Batch: WG1112157-2 WG1112157-3								
3-Nitroaniline	69		64		25-145	8		30
4-Nitroaniline	75		71		51-143	5		30
Dibenzofuran	78		72		40-140	8		30
2-Methylnaphthalene	76		69		40-140	10		30
1,2,4,5-Tetrachlorobenzene	78		70		2-134	11		30
Acetophenone	77		68		39-129	12		30
2,4,6-Trichlorophenol	79		72		30-130	9		30
p-Chloro-m-cresol	78		70		23-97	11		30
2-Chlorophenol	72		62		27-123	15		30
2,4-Dichlorophenol	77		68		30-130	12		30
2,4-Dimethylphenol	75		66		30-130	13		30
2-Nitrophenol	75		66		30-130	13		30
4-Nitrophenol	47		44		10-80	7		30
2,4-Dinitrophenol	54		51		20-130	6		30
4,6-Dinitro-o-cresol	84		76		20-164	10		30
Pentachlorophenol	66		60		9-103	10		30
Phenol	36		32		12-110	12		30
2-Methylphenol	68		60		30-130	13		30
3-Methylphenol/4-Methylphenol	64		57		30-130	12		30
2,4,5-Trichlorophenol	82		74		30-130	10		30
Benzoic Acid	24		22		10-164	9		30
Benzyl Alcohol	67		60		26-116	11		30
Carbazole	82		76		55-144	8		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SENDERO VERDE

Project Number: 2984.0001Y000

Lab Number: L1815645

Report Date: 05/09/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 09-11 Batch: WG1112157-2 WG1112157-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	50		43		21-120
Phenol-d6	33		30		10-120
Nitrobenzene-d5	72		63		23-120
2-Fluorobiphenyl	77		71		15-120
2,4,6-Tribromophenol	79		74		10-120
4-Terphenyl-d14	88		83		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815645
Report Date: 05/09/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 09-11 Batch: WG1112158-2 WG1112158-3								
Acenaphthene	59		54		40-140	9		40
2-Chloronaphthalene	53		49		40-140	8		40
Fluoranthene	60		55		40-140	9		40
Hexachlorobutadiene	48		45		40-140	6		40
Naphthalene	50		46		40-140	8		40
Benzo(a)anthracene	54		49		40-140	10		40
Benzo(a)pyrene	53		51		40-140	4		40
Benzo(b)fluoranthene	52		49		40-140	6		40
Benzo(k)fluoranthene	54		52		40-140	4		40
Chrysene	55		50		40-140	10		40
Acenaphthylene	59		55		40-140	7		40
Anthracene	58		52		40-140	11		40
Benzo(ghi)perylene	56		52		40-140	7		40
Fluorene	62		57		40-140	8		40
Phenanthrene	54		50		40-140	8		40
Dibenzo(a,h)anthracene	58		55		40-140	5		40
Indeno(1,2,3-cd)pyrene	55		52		40-140	6		40
Pyrene	58		53		40-140	9		40
2-Methylnaphthalene	53		49		40-140	8		40
Pentachlorophenol	56		51		40-140	9		40
Hexachlorobenzene	54		49		40-140	10		40
Hexachloroethane	46		43		40-140	7		40

Lab Control Sample Analysis

Batch Quality Control

Project Name: SENDERO VERDE

Project Number: 2984.0001Y000

Lab Number: L1815645

Report Date: 05/09/18

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

Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 09-11 Batch: WG1112158-2 WG1112158-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	28		31		21-120
Phenol-d6	20		23		10-120
Nitrobenzene-d5	51		51		23-120
2-Fluorobiphenyl	47		47		15-120
2,4,6-Tribromophenol	63		60		10-120
4-Terphenyl-d14	56		56		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: SENDERO VERDE

Project Number: 2984.0001Y000

Lab Number: L1815645

Report Date: 05/09/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 12-14 Batch: WG1112698-2 WG1112698-3								
Acenaphthene	85		88		37-111	3		30
1,2,4-Trichlorobenzene	76		75		39-98	1		30
Hexachlorobenzene	89		92		40-140	3		30
Bis(2-chloroethyl)ether	81		81		40-140	0		30
2-Chloronaphthalene	82		82		40-140	0		30
1,2-Dichlorobenzene	76		76		40-140	0		30
1,3-Dichlorobenzene	73		73		40-140	0		30
1,4-Dichlorobenzene	72		74		36-97	3		30
3,3'-Dichlorobenzidine	81		85		40-140	5		30
2,4-Dinitrotoluene	107		114		48-143	6		30
2,6-Dinitrotoluene	100		104		40-140	4		30
Fluoranthene	89		94		40-140	5		30
4-Chlorophenyl phenyl ether	86		89		40-140	3		30
4-Bromophenyl phenyl ether	90		94		40-140	4		30
Bis(2-chloroisopropyl)ether	83		82		40-140	1		30
Bis(2-chloroethoxy)methane	86		84		40-140	2		30
Hexachlorobutadiene	76		76		40-140	0		30
Hexachlorocyclopentadiene	86		84		40-140	2		30
Hexachloroethane	78		78		40-140	0		30
Isophorone	89		87		40-140	2		30
Naphthalene	80		81		40-140	1		30
Nitrobenzene	94		91		40-140	3		30
NDPA/DPA	90		92		40-140	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SENDERO VERDE

Project Number: 2984.0001Y000

Lab Number: L1815645

Report Date: 05/09/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 12-14 Batch: WG1112698-2 WG1112698-3								
n-Nitrosodi-n-propylamine	88		87		29-132	1		30
Bis(2-ethylhexyl)phthalate	103		107		40-140	4		30
Butyl benzyl phthalate	101		107		40-140	6		30
Di-n-butylphthalate	97		101		40-140	4		30
Di-n-octylphthalate	102		106		40-140	4		30
Diethyl phthalate	92		97		40-140	5		30
Dimethyl phthalate	89		89		40-140	0		30
Benzo(a)anthracene	88		92		40-140	4		30
Benzo(a)pyrene	94		100		40-140	6		30
Benzo(b)fluoranthene	86		91		40-140	6		30
Benzo(k)fluoranthene	98		103		40-140	5		30
Chrysene	88		92		40-140	4		30
Acenaphthylene	90		90		45-123	0		30
Anthracene	89		94		40-140	5		30
Benzo(ghi)perylene	89		95		40-140	7		30
Fluorene	90		92		40-140	2		30
Phenanthrene	86		88		40-140	2		30
Dibenzo(a,h)anthracene	90		96		40-140	6		30
Indeno(1,2,3-cd)pyrene	96		104		40-140	8		30
Pyrene	86		91		26-127	6		30
Biphenyl	87		86		40-140	1		30
4-Chloroaniline	74		74		40-140	0		30
2-Nitroaniline	105		106		52-143	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815645
Report Date: 05/09/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 12-14 Batch: WG1112698-2 WG1112698-3								
3-Nitroaniline	88		85		25-145	3		30
4-Nitroaniline	88		94		51-143	7		30
Dibenzofuran	88		90		40-140	2		30
2-Methylnaphthalene	84		84		40-140	0		30
1,2,4,5-Tetrachlorobenzene	86		85		2-134	1		30
Acetophenone	89		89		39-129	0		30
2,4,6-Trichlorophenol	42		95		30-130	**77**	Q	30
p-Chloro-m-cresol	86		96		23-97	11		30
2-Chlorophenol	50		85		27-123	**52**	Q	30
2,4-Dichlorophenol	53		91		30-130	**53**	Q	30
2,4-Dimethylphenol	91		89		30-130	2		30
2-Nitrophenol	54		107		30-130	**66**	Q	30
4-Nitrophenol	38		80		10-80	**71**	Q	30
2,4-Dinitrophenol	46		118		20-130	**88**	Q	30
4,6-Dinitro-o-cresol	53		126		20-164	**82**	Q	30
Pentachlorophenol	34		83		9-103	**84**	Q	30
Phenol	30		42		12-110	**33**	Q	30
2-Methylphenol	72		77		30-130	7		30
3-Methylphenol/4-Methylphenol	72		77		30-130	7		30
2,4,5-Trichlorophenol	48		98		30-130	**68**	Q	30
Benzoic Acid	17		44		10-164	**89**	Q	30
Benzyl Alcohol	84		83		26-116	1		30
Carbazole	88		93		55-144	6		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SENDERO VERDE

Project Number: 2984.0001Y000

Lab Number: L1815645

Report Date: 05/09/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 12-14 Batch: WG1112698-2 WG1112698-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	30		62		21-120
Phenol-d6	32		44		10-120
Nitrobenzene-d5	106		102		23-120
2-Fluorobiphenyl	97		96		15-120
2,4,6-Tribromophenol	51		113		10-120
4-Terphenyl-d14	107		110		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815645
Report Date: 05/09/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 12-14 Batch: WG1112700-2 WG1112700-3								
Acenaphthene	90		88		40-140	2		40
2-Chloronaphthalene	76		74		40-140	3		40
Fluoranthene	94		96		40-140	2		40
Hexachlorobutadiene	64		62		40-140	3		40
Naphthalene	74		71		40-140	4		40
Benzo(a)anthracene	85		88		40-140	3		40
Benzo(a)pyrene	88		90		40-140	2		40
Benzo(b)fluoranthene	87		88		40-140	1		40
Benzo(k)fluoranthene	90		92		40-140	2		40
Chrysene	88		89		40-140	1		40
Acenaphthylene	87		85		40-140	2		40
Anthracene	90		90		40-140	0		40
Benzo(ghi)perylene	90		92		40-140	2		40
Fluorene	94		92		40-140	2		40
Phenanthrene	85		85		40-140	0		40
Dibenzo(a,h)anthracene	94		96		40-140	2		40
Indeno(1,2,3-cd)pyrene	90		92		40-140	2		40
Pyrene	91		93		40-140	2		40
2-Methylnaphthalene	76		74		40-140	3		40
Pentachlorophenol	95		96		40-140	1		40
Hexachlorobenzene	85		84		40-140	1		40
Hexachloroethane	64		60		40-140	6		40

Lab Control Sample Analysis

Batch Quality Control

Project Name: SENDERO VERDE

Project Number: 2984.0001Y000

Lab Number: L1815645

Report Date: 05/09/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 12-14 Batch: WG1112700-2 WG1112700-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	47		45		21-120
Phenol-d6	35		34		10-120
Nitrobenzene-d5	82		79		23-120
2-Fluorobiphenyl	75		75		15-120
2,4,6-Tribromophenol	100		101		10-120
4-Terphenyl-d14	95		98		41-149

PCBS

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815645
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815645-01
Client ID: SB-2 (17.5-19.5)
Sample Location: EAST HARLEM, NY

Date Collected: 05/02/18 08:50
Date Received: 05/02/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 05/04/18 12:37
Analyst: WR
Percent Solids: 81%

Extraction Method: EPA 3546
Extraction Date: 05/03/18 11:08
Cleanup Method: EPA 3665A
Cleanup Date: 05/03/18
Cleanup Method: EPA 3660B
Cleanup Date: 05/04/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	40.7	4.62	1	A
Aroclor 1221	ND		ug/kg	40.7	6.20	1	A
Aroclor 1232	ND		ug/kg	40.7	4.00	1	A
Aroclor 1242	ND		ug/kg	40.7	4.98	1	A
Aroclor 1248	ND		ug/kg	40.7	4.57	1	A
Aroclor 1254	ND		ug/kg	40.7	3.32	1	A
Aroclor 1260	ND		ug/kg	40.7	4.25	1	A
Aroclor 1262	ND		ug/kg	40.7	3.35	1	A
Aroclor 1268	ND		ug/kg	40.7	2.88	1	A
PCBs, Total	ND		ug/kg	40.7	2.88	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	91		30-150	A
Decachlorobiphenyl	91		30-150	A
2,4,5,6-Tetrachloro-m-xylene	88		30-150	B
Decachlorobiphenyl	107		30-150	B

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815645
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815645-03
Client ID: SB-1 (12-14)
Sample Location: EAST HARLEM, NY

Date Collected: 05/02/18 11:00
Date Received: 05/02/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 05/04/18 12:51
Analyst: WR
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 05/03/18 11:08
Cleanup Method: EPA 3665A
Cleanup Date: 05/03/18
Cleanup Method: EPA 3660B
Cleanup Date: 05/04/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.2	4.22	1	A
Aroclor 1221	ND		ug/kg	37.2	5.67	1	A
Aroclor 1232	ND		ug/kg	37.2	3.66	1	A
Aroclor 1242	ND		ug/kg	37.2	4.56	1	A
Aroclor 1248	ND		ug/kg	37.2	4.18	1	A
Aroclor 1254	80.2		ug/kg	37.2	3.04	1	A
Aroclor 1260	37.2		ug/kg	37.2	3.89	1	B
Aroclor 1262	ND		ug/kg	37.2	3.06	1	A
Aroclor 1268	15.0	J	ug/kg	37.2	2.64	1	A
PCBs, Total	132	J	ug/kg	37.2	2.64	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	93		30-150	A
Decachlorobiphenyl	96		30-150	A
2,4,5,6-Tetrachloro-m-xylene	84		30-150	B
Decachlorobiphenyl	126		30-150	B

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815645
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815645-05
Client ID: SB-5 (18-20)
Sample Location: EAST HARLEM, NY

Date Collected: 05/02/18 13:00
Date Received: 05/02/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 05/04/18 13:04
Analyst: WR
Percent Solids: 83%

Extraction Method: EPA 3546
Extraction Date: 05/03/18 11:08
Cleanup Method: EPA 3665A
Cleanup Date: 05/03/18
Cleanup Method: EPA 3660B
Cleanup Date: 05/04/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	39.7	4.50	1	A
Aroclor 1221	ND		ug/kg	39.7	6.04	1	A
Aroclor 1232	ND		ug/kg	39.7	3.90	1	A
Aroclor 1242	ND		ug/kg	39.7	4.86	1	A
Aroclor 1248	ND		ug/kg	39.7	4.45	1	A
Aroclor 1254	ND		ug/kg	39.7	3.24	1	A
Aroclor 1260	ND		ug/kg	39.7	4.14	1	A
Aroclor 1262	ND		ug/kg	39.7	3.26	1	A
Aroclor 1268	ND		ug/kg	39.7	2.81	1	A
PCBs, Total	ND		ug/kg	39.7	2.81	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	95		30-150	A
Decachlorobiphenyl	85		30-150	A
2,4,5,6-Tetrachloro-m-xylene	95		30-150	B
Decachlorobiphenyl	112		30-150	B

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815645
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815645-07
Client ID: SB-6 (17-19)
Sample Location: EAST HARLEM, NY

Date Collected: 05/02/18 14:30
Date Received: 05/02/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 05/04/18 13:18
Analyst: WR
Percent Solids: 82%

Extraction Method: EPA 3546
Extraction Date: 05/03/18 11:08
Cleanup Method: EPA 3665A
Cleanup Date: 05/03/18
Cleanup Method: EPA 3660B
Cleanup Date: 05/04/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	38.9	4.41	1	A
Aroclor 1221	ND		ug/kg	38.9	5.92	1	A
Aroclor 1232	ND		ug/kg	38.9	3.83	1	A
Aroclor 1242	ND		ug/kg	38.9	4.76	1	A
Aroclor 1248	ND		ug/kg	38.9	4.37	1	A
Aroclor 1254	ND		ug/kg	38.9	3.18	1	A
Aroclor 1260	ND		ug/kg	38.9	4.06	1	A
Aroclor 1262	ND		ug/kg	38.9	3.20	1	A
Aroclor 1268	ND		ug/kg	38.9	2.76	1	A
PCBs, Total	ND		ug/kg	38.9	2.76	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	94		30-150	A
Decachlorobiphenyl	85		30-150	A
2,4,5,6-Tetrachloro-m-xylene	85		30-150	B
Decachlorobiphenyl	101		30-150	B

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815645
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815645-09
Client ID: SB-10/GW
Sample Location: EAST HARLEM, NY

Date Collected: 05/02/18 10:00
Date Received: 05/02/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 05/04/18 19:43
Analyst: HT

Extraction Method: EPA 3510C
Extraction Date: 05/03/18 17:52
Cleanup Method: EPA 3665A
Cleanup Date: 05/04/18
Cleanup Method: EPA 3660B
Cleanup Date: 05/04/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.020	1	A
Aroclor 1221	ND		ug/l	0.083	0.032	1	A
Aroclor 1232	ND		ug/l	0.083	0.027	1	A
Aroclor 1242	ND		ug/l	0.083	0.030	1	A
Aroclor 1248	ND		ug/l	0.083	0.023	1	A
Aroclor 1254	ND		ug/l	0.083	0.035	1	A
Aroclor 1260	ND		ug/l	0.083	0.020	1	A
Aroclor 1262	ND		ug/l	0.083	0.017	1	A
Aroclor 1268	ND		ug/l	0.083	0.027	1	A
PCBs, Total	ND		ug/l	0.083	0.017	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	79		30-150	A
Decachlorobiphenyl	78		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		30-150	B
Decachlorobiphenyl	87		30-150	B

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815645
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815645-10
Client ID: SB-4/GW
Sample Location: EAST HARLEM, NY

Date Collected: 05/02/18 12:20
Date Received: 05/02/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 05/04/18 19:56
Analyst: HT

Extraction Method: EPA 3510C
Extraction Date: 05/03/18 17:52
Cleanup Method: EPA 3665A
Cleanup Date: 05/04/18
Cleanup Method: EPA 3660B
Cleanup Date: 05/04/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.020	1	A
Aroclor 1221	ND		ug/l	0.083	0.032	1	A
Aroclor 1232	ND		ug/l	0.083	0.027	1	A
Aroclor 1242	ND		ug/l	0.083	0.030	1	A
Aroclor 1248	ND		ug/l	0.083	0.023	1	A
Aroclor 1254	ND		ug/l	0.083	0.035	1	A
Aroclor 1260	ND		ug/l	0.083	0.020	1	A
Aroclor 1262	ND		ug/l	0.083	0.017	1	A
Aroclor 1268	ND		ug/l	0.083	0.027	1	A
PCBs, Total	ND		ug/l	0.083	0.017	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		30-150	A
Decachlorobiphenyl	80		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	89		30-150	B

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815645
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815645-11
Client ID: SB-5/GW
Sample Location: EAST HARLEM, NY

Date Collected: 05/02/18 14:00
Date Received: 05/02/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 05/04/18 20:10
Analyst: HT

Extraction Method: EPA 3510C
Extraction Date: 05/03/18 17:52
Cleanup Method: EPA 3665A
Cleanup Date: 05/04/18
Cleanup Method: EPA 3660B
Cleanup Date: 05/04/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.020	1	A
Aroclor 1221	ND		ug/l	0.083	0.032	1	A
Aroclor 1232	ND		ug/l	0.083	0.027	1	A
Aroclor 1242	ND		ug/l	0.083	0.030	1	A
Aroclor 1248	ND		ug/l	0.083	0.023	1	A
Aroclor 1254	ND		ug/l	0.083	0.035	1	A
Aroclor 1260	ND		ug/l	0.083	0.020	1	A
Aroclor 1262	ND		ug/l	0.083	0.017	1	A
Aroclor 1268	ND		ug/l	0.083	0.027	1	A
PCBs, Total	ND		ug/l	0.083	0.017	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		30-150	A
Decachlorobiphenyl	81		30-150	A
2,4,5,6-Tetrachloro-m-xylene	80		30-150	B
Decachlorobiphenyl	90		30-150	B

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815645
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815645-12
Client ID: SB-10/GW FILTERED
Sample Location: EAST HARLEM, NY

Date Collected: 05/02/18 10:00
Date Received: 05/02/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 05/06/18 23:04
Analyst: KB

Extraction Method: EPA 3510C
Extraction Date: 05/04/18 17:12
Cleanup Method: EPA 3665A
Cleanup Date: 05/05/18
Cleanup Method: EPA 3660B
Cleanup Date: 05/05/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.020	1	A
Aroclor 1221	ND		ug/l	0.083	0.032	1	A
Aroclor 1232	ND		ug/l	0.083	0.027	1	A
Aroclor 1242	ND		ug/l	0.083	0.030	1	A
Aroclor 1248	ND		ug/l	0.083	0.023	1	A
Aroclor 1254	ND		ug/l	0.083	0.035	1	A
Aroclor 1260	ND		ug/l	0.083	0.020	1	A
Aroclor 1262	ND		ug/l	0.083	0.017	1	A
Aroclor 1268	ND		ug/l	0.083	0.027	1	A
PCBs, Total	ND		ug/l	0.083	0.017	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	101		30-150	A
Decachlorobiphenyl	72		30-150	A
2,4,5,6-Tetrachloro-m-xylene	102		30-150	B
Decachlorobiphenyl	83		30-150	B

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815645
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815645-13
Client ID: SB-4/GW FILTERED
Sample Location: EAST HARLEM, NY

Date Collected: 05/02/18 12:20
Date Received: 05/02/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 05/06/18 23:17
Analyst: KB

Extraction Method: EPA 3510C
Extraction Date: 05/04/18 17:12
Cleanup Method: EPA 3665A
Cleanup Date: 05/05/18
Cleanup Method: EPA 3660B
Cleanup Date: 05/05/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.020	1	A
Aroclor 1221	ND		ug/l	0.083	0.032	1	A
Aroclor 1232	ND		ug/l	0.083	0.027	1	A
Aroclor 1242	ND		ug/l	0.083	0.030	1	A
Aroclor 1248	ND		ug/l	0.083	0.023	1	A
Aroclor 1254	ND		ug/l	0.083	0.035	1	A
Aroclor 1260	ND		ug/l	0.083	0.020	1	A
Aroclor 1262	ND		ug/l	0.083	0.017	1	A
Aroclor 1268	ND		ug/l	0.083	0.027	1	A
PCBs, Total	ND		ug/l	0.083	0.017	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	104		30-150	A
Decachlorobiphenyl	77		30-150	A
2,4,5,6-Tetrachloro-m-xylene	107		30-150	B
Decachlorobiphenyl	86		30-150	B

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815645
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815645-14
Client ID: SB-5/GW FILTERED
Sample Location: EAST HARLEM, NY

Date Collected: 05/02/18 14:00
Date Received: 05/02/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 05/06/18 23:30
Analyst: KB

Extraction Method: EPA 3510C
Extraction Date: 05/04/18 17:12
Cleanup Method: EPA 3665A
Cleanup Date: 05/05/18
Cleanup Method: EPA 3660B
Cleanup Date: 05/05/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.020	1	A
Aroclor 1221	ND		ug/l	0.083	0.032	1	A
Aroclor 1232	ND		ug/l	0.083	0.027	1	A
Aroclor 1242	ND		ug/l	0.083	0.030	1	A
Aroclor 1248	ND		ug/l	0.083	0.023	1	A
Aroclor 1254	ND		ug/l	0.083	0.035	1	A
Aroclor 1260	ND		ug/l	0.083	0.020	1	A
Aroclor 1262	ND		ug/l	0.083	0.017	1	A
Aroclor 1268	ND		ug/l	0.083	0.027	1	A
PCBs, Total	ND		ug/l	0.083	0.017	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	102		30-150	A
Decachlorobiphenyl	78		30-150	A
2,4,5,6-Tetrachloro-m-xylene	104		30-150	B
Decachlorobiphenyl	87		30-150	B

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815645
Report Date: 05/09/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 05/04/18 20:51
Analyst: HT

Extraction Method: EPA 3546
Extraction Date: 05/02/18 12:15
Cleanup Method: EPA 3665A
Cleanup Date: 05/02/18
Cleanup Method: EPA 3660B
Cleanup Date: 05/03/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01,03,05,07 Batch: WG1111835-1						
Aroclor 1016	ND		ug/kg	31.8	3.61	A
Aroclor 1221	ND		ug/kg	31.8	4.84	A
Aroclor 1232	ND		ug/kg	31.8	3.13	A
Aroclor 1242	ND		ug/kg	31.8	3.89	A
Aroclor 1248	ND		ug/kg	31.8	3.57	A
Aroclor 1254	ND		ug/kg	31.8	2.60	A
Aroclor 1260	ND		ug/kg	31.8	3.32	A
Aroclor 1262	ND		ug/kg	31.8	2.61	A
Aroclor 1268	ND		ug/kg	31.8	2.25	A
PCBs, Total	ND		ug/kg	31.8	2.25	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	86		30-150	A
Decachlorobiphenyl	85		30-150	A
2,4,5,6-Tetrachloro-m-xylene	86		30-150	B
Decachlorobiphenyl	96		30-150	B

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815645
Report Date: 05/09/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 05/04/18 09:29
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 05/03/18 17:52
Cleanup Method: EPA 3665A
Cleanup Date: 05/04/18
Cleanup Method: EPA 3660B
Cleanup Date: 05/04/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 09-14 Batch: WG1112395-1						
Aroclor 1016	ND		ug/l	0.083	0.020	A
Aroclor 1221	ND		ug/l	0.083	0.032	A
Aroclor 1232	ND		ug/l	0.083	0.027	A
Aroclor 1242	ND		ug/l	0.083	0.030	A
Aroclor 1248	ND		ug/l	0.083	0.023	A
Aroclor 1254	ND		ug/l	0.083	0.035	A
Aroclor 1260	ND		ug/l	0.083	0.020	A
Aroclor 1262	ND		ug/l	0.083	0.017	A
Aroclor 1268	ND		ug/l	0.083	0.027	A
PCBs, Total	ND		ug/l	0.083	0.017	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	91		30-150	A
Decachlorobiphenyl	71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	103		30-150	B
Decachlorobiphenyl	82		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: SENDERO VERDE

Project Number: 2984.0001Y000

Lab Number: L1815645

Report Date: 05/09/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01,03,05,07 Batch: WG1111835-2 WG1111835-3									
Aroclor 1016	77		81		40-140	5		50	A
Aroclor 1260	76		79		40-140	4		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	89		92		30-150	A
Decachlorobiphenyl	90		93		30-150	A
2,4,5,6-Tetrachloro-m-xylene	88		88		30-150	B
Decachlorobiphenyl	99		102		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: SENDERO VERDE

Project Number: 2984.0001Y000

Lab Number: L1815645

Report Date: 05/09/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 09-14 Batch: WG1112395-2 WG1112395-3									
Aroclor 1016	85		82		40-140	3		50	A
Aroclor 1260	75		77		40-140	3		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		77		30-150	A
Decachlorobiphenyl	62		69		30-150	A
2,4,5,6-Tetrachloro-m-xylene	89		82		30-150	B
Decachlorobiphenyl	67		73		30-150	B

PESTICIDES

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815645
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815645-01
Client ID: SB-2 (17.5-19.5)
Sample Location: EAST HARLEM, NY

Date Collected: 05/02/18 08:50
Date Received: 05/02/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 05/05/18 01:02
Analyst: KEG
Percent Solids: 81%

Extraction Method: EPA 3546
Extraction Date: 05/03/18 12:51
Cleanup Method: EPA 3620B
Cleanup Date: 05/04/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.92	0.377	1	A
Lindane	ND		ug/kg	0.802	0.358	1	A
Alpha-BHC	ND		ug/kg	0.802	0.228	1	A
Beta-BHC	ND		ug/kg	1.92	0.730	1	A
Heptachlor	ND		ug/kg	0.962	0.431	1	A
Aldrin	ND		ug/kg	1.92	0.678	1	A
Heptachlor epoxide	ND		ug/kg	3.61	1.08	1	A
Endrin	ND		ug/kg	0.802	0.329	1	A
Endrin aldehyde	ND		ug/kg	2.40	0.842	1	A
Endrin ketone	ND		ug/kg	1.92	0.496	1	A
Dieldrin	ND		ug/kg	1.20	0.601	1	A
4,4'-DDE	ND		ug/kg	1.92	0.445	1	A
4,4'-DDD	ND		ug/kg	1.92	0.686	1	A
4,4'-DDT	ND		ug/kg	3.61	1.55	1	A
Endosulfan I	ND		ug/kg	1.92	0.455	1	A
Endosulfan II	ND		ug/kg	1.92	0.643	1	A
Endosulfan sulfate	ND		ug/kg	0.802	0.382	1	A
Methoxychlor	ND		ug/kg	3.61	1.12	1	A
Toxaphene	ND		ug/kg	36.1	10.1	1	A
cis-Chlordane	ND		ug/kg	2.40	0.670	1	A
trans-Chlordane	ND		ug/kg	2.40	0.635	1	A
Chlordane	ND		ug/kg	15.6	6.38	1	A

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815645
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815645-01
Client ID: SB-2 (17.5-19.5)
Sample Location: EAST HARLEM, NY
Date Collected: 05/02/18 08:50
Date Received: 05/02/18
Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	110		30-150	B
Decachlorobiphenyl	102		30-150	B
2,4,5,6-Tetrachloro-m-xylene	110		30-150	A
Decachlorobiphenyl	92		30-150	A

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815645
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815645-03
Client ID: SB-1 (12-14)
Sample Location: EAST HARLEM, NY

Date Collected: 05/02/18 11:00
Date Received: 05/02/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 05/05/18 01:15
Analyst: KEG
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 05/03/18 12:51
Cleanup Method: EPA 3620B
Cleanup Date: 05/04/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.77	0.347	1	A
Lindane	ND		ug/kg	0.738	0.330	1	A
Alpha-BHC	ND		ug/kg	0.738	0.210	1	A
Beta-BHC	ND		ug/kg	1.77	0.672	1	A
Heptachlor	4.25	P	ug/kg	0.886	0.397	1	A
Aldrin	ND		ug/kg	1.77	0.624	1	A
Heptachlor epoxide	13.0	P	ug/kg	3.32	0.997	1	A
Endrin	ND		ug/kg	0.738	0.303	1	A
Endrin aldehyde	ND		ug/kg	2.22	0.775	1	A
Endrin ketone	ND		ug/kg	1.77	0.456	1	A
Dieldrin	146		ug/kg	1.11	0.554	1	B
4,4'-DDE	37.6		ug/kg	1.77	0.410	1	B
4,4'-DDD	12.5	PI	ug/kg	1.77	0.632	1	A
4,4'-DDT	223	E	ug/kg	3.32	1.42	1	B
Endosulfan I	ND		ug/kg	1.77	0.419	1	A
Endosulfan II	ND		ug/kg	1.77	0.592	1	A
Endosulfan sulfate	ND		ug/kg	0.738	0.352	1	A
Methoxychlor	ND		ug/kg	3.32	1.03	1	A
Toxaphene	ND		ug/kg	33.2	9.30	1	A
cis-Chlordane	84.0	PI	ug/kg	2.22	0.617	1	B
trans-Chlordane	65.5	PI	ug/kg	2.22	0.585	1	A
Chlordane	ND		ug/kg	14.4	5.87	1	A

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815645
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815645-03
Client ID: SB-1 (12-14)
Sample Location: EAST HARLEM, NY
Date Collected: 05/02/18 11:00
Date Received: 05/02/18
Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	107		30-150	B
Decachlorobiphenyl	**157**	Q	30-150	B
2,4,5,6-Tetrachloro-m-xylene	117		30-150	A
Decachlorobiphenyl	140		30-150	A

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815645
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815645-03 D
Client ID: SB-1 (12-14)
Sample Location: EAST HARLEM, NY

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 05/08/18 16:20
Analyst: KEG
Percent Solids: 89%

Date Collected: 05/02/18 11:00
Date Received: 05/02/18
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 05/03/18 12:51
Cleanup Method: EPA 3620B
Cleanup Date: 05/04/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
4,4'-DDT	307		ug/kg	16.6	7.13	5	A

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815645
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815645-05
Client ID: SB-5 (18-20)
Sample Location: EAST HARLEM, NY

Date Collected: 05/02/18 13:00
Date Received: 05/02/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 05/05/18 01:27
Analyst: KEG
Percent Solids: 83%

Extraction Method: EPA 3546
Extraction Date: 05/03/18 12:51
Cleanup Method: EPA 3620B
Cleanup Date: 05/04/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.85	0.362	1	A
Lindane	ND		ug/kg	0.770	0.344	1	A
Alpha-BHC	ND		ug/kg	0.770	0.219	1	A
Beta-BHC	ND		ug/kg	1.85	0.701	1	A
Heptachlor	ND		ug/kg	0.924	0.414	1	A
Aldrin	ND		ug/kg	1.85	0.651	1	A
Heptachlor epoxide	ND		ug/kg	3.46	1.04	1	A
Endrin	ND		ug/kg	0.770	0.316	1	A
Endrin aldehyde	ND		ug/kg	2.31	0.809	1	A
Endrin ketone	ND		ug/kg	1.85	0.476	1	A
Dieldrin	ND		ug/kg	1.16	0.578	1	A
4,4'-DDE	ND		ug/kg	1.85	0.427	1	A
4,4'-DDD	ND		ug/kg	1.85	0.659	1	A
4,4'-DDT	ND		ug/kg	3.46	1.49	1	A
Endosulfan I	ND		ug/kg	1.85	0.437	1	A
Endosulfan II	ND		ug/kg	1.85	0.618	1	A
Endosulfan sulfate	ND		ug/kg	0.770	0.366	1	A
Methoxychlor	ND		ug/kg	3.46	1.08	1	A
Toxaphene	ND		ug/kg	34.6	9.70	1	A
cis-Chlordane	ND		ug/kg	2.31	0.644	1	A
trans-Chlordane	ND		ug/kg	2.31	0.610	1	A
Chlordane	ND		ug/kg	15.0	6.12	1	A

Project Name: SENDERO VERDE
Lab Number: L1815645
Project Number: 2984.0001Y000
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815645-05
Client ID: SB-5 (18-20)
Sample Location: EAST HARLEM, NY
Date Collected: 05/02/18 13:00
Date Received: 05/02/18
Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	101		30-150	B
Decachlorobiphenyl	92		30-150	B
2,4,5,6-Tetrachloro-m-xylene	100		30-150	A
Decachlorobiphenyl	81		30-150	A

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815645
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815645-07
Client ID: SB-6 (17-19)
Sample Location: EAST HARLEM, NY

Date Collected: 05/02/18 14:30
Date Received: 05/02/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 05/05/18 01:40
Analyst: KEG
Percent Solids: 82%

Extraction Method: EPA 3546
Extraction Date: 05/03/18 12:51
Cleanup Method: EPA 3620B
Cleanup Date: 05/04/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.91	0.373	1	A
Lindane	ND		ug/kg	0.794	0.355	1	A
Alpha-BHC	ND		ug/kg	0.794	0.226	1	A
Beta-BHC	ND		ug/kg	1.91	0.723	1	A
Heptachlor	ND		ug/kg	0.953	0.427	1	A
Aldrin	ND		ug/kg	1.91	0.671	1	A
Heptachlor epoxide	ND		ug/kg	3.57	1.07	1	A
Endrin	ND		ug/kg	0.794	0.326	1	A
Endrin aldehyde	ND		ug/kg	2.38	0.834	1	A
Endrin ketone	ND		ug/kg	1.91	0.491	1	A
Dieldrin	ND		ug/kg	1.19	0.596	1	A
4,4'-DDE	ND		ug/kg	1.91	0.441	1	A
4,4'-DDD	ND		ug/kg	1.91	0.680	1	A
4,4'-DDT	ND		ug/kg	3.57	1.53	1	B
Endosulfan I	ND		ug/kg	1.91	0.450	1	A
Endosulfan II	ND		ug/kg	1.91	0.637	1	A
Endosulfan sulfate	ND		ug/kg	0.794	0.378	1	A
Methoxychlor	ND		ug/kg	3.57	1.11	1	A
Toxaphene	ND		ug/kg	35.7	10.0	1	A
cis-Chlordane	ND		ug/kg	2.38	0.664	1	A
trans-Chlordane	ND		ug/kg	2.38	0.629	1	A
Chlordane	ND		ug/kg	15.5	6.31	1	A

Project Name: SENDERO VERDE
Lab Number: L1815645
Project Number: 2984.0001Y000
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815645-07
Client ID: SB-6 (17-19)
Sample Location: EAST HARLEM, NY
Date Collected: 05/02/18 14:30
Date Received: 05/02/18
Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	121		30-150	B
Decachlorobiphenyl	111		30-150	B
2,4,5,6-Tetrachloro-m-xylene	117		30-150	A
Decachlorobiphenyl	82		30-150	A

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815645
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815645-09
Client ID: SB-10/GW
Sample Location: EAST HARLEM, NY

Date Collected: 05/02/18 10:00
Date Received: 05/02/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 05/07/18 00:52
Analyst: KEG

Extraction Method: EPA 3510C
Extraction Date: 05/04/18 12:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.014	0.003	1	A
Lindane	ND		ug/l	0.014	0.003	1	A
Alpha-BHC	ND		ug/l	0.014	0.003	1	A
Beta-BHC	ND		ug/l	0.014	0.004	1	A
Heptachlor	ND		ug/l	0.014	0.002	1	A
Aldrin	ND		ug/l	0.014	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.014	0.003	1	A
Endrin	ND		ug/l	0.029	0.003	1	A
Endrin aldehyde	ND		ug/l	0.029	0.006	1	A
Endrin ketone	ND		ug/l	0.029	0.003	1	A
Dieldrin	0.007	J	ug/l	0.029	0.003	1	B
4,4'-DDE	ND		ug/l	0.029	0.003	1	B
4,4'-DDD	ND		ug/l	0.029	0.003	1	B
4,4'-DDT	0.017	J	ug/l	0.029	0.003	1	A
Endosulfan I	ND		ug/l	0.014	0.002	1	A
Endosulfan II	ND		ug/l	0.029	0.004	1	A
Endosulfan sulfate	ND		ug/l	0.029	0.003	1	A
Methoxychlor	ND		ug/l	0.143	0.005	1	A
Toxaphene	ND		ug/l	0.143	0.045	1	A
cis-Chlordane	0.008	J	ug/l	0.014	0.005	1	A
trans-Chlordane	ND		ug/l	0.014	0.004	1	A
Chlordane	ND		ug/l	0.143	0.033	1	A

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815645
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815645-09
Client ID: SB-10/GW
Sample Location: EAST HARLEM, NY
Date Collected: 05/02/18 10:00
Date Received: 05/02/18
Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	64		30-150	A
Decachlorobiphenyl	67		30-150	A
2,4,5,6-Tetrachloro-m-xylene	66		30-150	B
Decachlorobiphenyl	62		30-150	B

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815645
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815645-10
Client ID: SB-4/GW
Sample Location: EAST HARLEM, NY

Date Collected: 05/02/18 12:20
Date Received: 05/02/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 05/07/18 01:05
Analyst: KEG

Extraction Method: EPA 3510C
Extraction Date: 05/04/18 12:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.014	0.003	1	A
Lindane	ND		ug/l	0.014	0.003	1	A
Alpha-BHC	ND		ug/l	0.014	0.003	1	A
Beta-BHC	ND		ug/l	0.014	0.004	1	A
Heptachlor	ND		ug/l	0.014	0.002	1	A
Aldrin	ND		ug/l	0.014	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.014	0.003	1	A
Endrin	ND		ug/l	0.029	0.003	1	A
Endrin aldehyde	ND		ug/l	0.029	0.006	1	A
Endrin ketone	ND		ug/l	0.029	0.003	1	A
Dieldrin	0.021	J	ug/l	0.029	0.003	1	B
4,4'-DDE	0.009	J	ug/l	0.029	0.003	1	B
4,4'-DDD	0.003	J	ug/l	0.029	0.003	1	B
4,4'-DDT	0.038		ug/l	0.029	0.003	1	A
Endosulfan I	ND		ug/l	0.014	0.002	1	A
Endosulfan II	ND		ug/l	0.029	0.004	1	A
Endosulfan sulfate	ND		ug/l	0.029	0.003	1	A
Methoxychlor	ND		ug/l	0.143	0.005	1	A
Toxaphene	ND		ug/l	0.143	0.045	1	A
cis-Chlordane	0.006	J	ug/l	0.014	0.005	1	A
trans-Chlordane	0.006	J	ug/l	0.014	0.004	1	A
Chlordane	0.074	J	ug/l	0.143	0.033	1	A

Project Name: SENDERO VERDE
Lab Number: L1815645
Project Number: 2984.0001Y000
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815645-10
Client ID: SB-4/GW
Sample Location: EAST HARLEM, NY
Date Collected: 05/02/18 12:20
Date Received: 05/02/18
Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	59		30-150	A
Decachlorobiphenyl	57		30-150	A
2,4,5,6-Tetrachloro-m-xylene	63		30-150	B
Decachlorobiphenyl	61		30-150	B

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815645
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815645-11
Client ID: SB-5/GW
Sample Location: EAST HARLEM, NY

Date Collected: 05/02/18 14:00
Date Received: 05/02/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 05/07/18 01:17
Analyst: KEG

Extraction Method: EPA 3510C
Extraction Date: 05/04/18 12:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.014	0.003	1	A
Lindane	ND		ug/l	0.014	0.003	1	A
Alpha-BHC	ND		ug/l	0.014	0.003	1	A
Beta-BHC	ND		ug/l	0.014	0.004	1	A
Heptachlor	0.006	J	ug/l	0.014	0.002	1	B
Aldrin	ND		ug/l	0.014	0.002	1	A
Heptachlor epoxide	0.004	JPI	ug/l	0.014	0.003	1	B
Endrin	ND		ug/l	0.029	0.003	1	A
Endrin aldehyde	ND		ug/l	0.029	0.006	1	A
Endrin ketone	ND		ug/l	0.029	0.003	1	A
Dieldrin	ND		ug/l	0.029	0.003	1	A
4,4'-DDE	0.116		ug/l	0.029	0.003	1	B
4,4'-DDD	0.027	J	ug/l	0.029	0.003	1	B
4,4'-DDT	0.496		ug/l	0.029	0.003	1	A
Endosulfan I	ND		ug/l	0.014	0.002	1	A
Endosulfan II	ND		ug/l	0.029	0.004	1	A
Endosulfan sulfate	ND		ug/l	0.029	0.003	1	A
Methoxychlor	ND		ug/l	0.143	0.005	1	A
Toxaphene	ND		ug/l	0.143	0.045	1	A
cis-Chlordane	0.086		ug/l	0.014	0.005	1	A
trans-Chlordane	0.054		ug/l	0.014	0.004	1	A
Chlordane	0.516		ug/l	0.143	0.033	1	B

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815645
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815645-11
Client ID: SB-5/GW
Sample Location: EAST HARLEM, NY
Date Collected: 05/02/18 14:00
Date Received: 05/02/18
Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		30-150	A
Decachlorobiphenyl	62		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	51		30-150	B

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815645
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815645-12
Client ID: SB-10/GW FILTERED
Sample Location: EAST HARLEM, NY

Date Collected: 05/02/18 10:00
Date Received: 05/02/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 05/07/18 18:18
Analyst: KEG

Extraction Method: EPA 3510C
Extraction Date: 05/06/18 13:41

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.014	0.003	1	A
Lindane	ND		ug/l	0.014	0.003	1	A
Alpha-BHC	ND		ug/l	0.014	0.003	1	A
Beta-BHC	ND		ug/l	0.014	0.004	1	A
Heptachlor	ND		ug/l	0.014	0.002	1	A
Aldrin	ND		ug/l	0.014	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.014	0.003	1	A
Endrin	ND		ug/l	0.029	0.003	1	A
Endrin aldehyde	ND		ug/l	0.029	0.006	1	A
Endrin ketone	ND		ug/l	0.029	0.003	1	A
Dieldrin	0.008	J	ug/l	0.029	0.003	1	B
4,4'-DDE	ND		ug/l	0.029	0.003	1	A
4,4'-DDD	ND		ug/l	0.029	0.003	1	A
4,4'-DDT	0.007	J	ug/l	0.029	0.003	1	A
Endosulfan I	ND		ug/l	0.014	0.002	1	A
Endosulfan II	ND		ug/l	0.029	0.004	1	A
Endosulfan sulfate	ND		ug/l	0.029	0.003	1	A
Methoxychlor	ND		ug/l	0.143	0.005	1	A
Toxaphene	ND		ug/l	0.143	0.045	1	A
cis-Chlordane	ND		ug/l	0.014	0.005	1	A
trans-Chlordane	ND		ug/l	0.014	0.004	1	A
Chlordane	ND		ug/l	0.143	0.033	1	A

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815645
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815645-12
Client ID: SB-10/GW FILTERED
Sample Location: EAST HARLEM, NY
Date Collected: 05/02/18 10:00
Date Received: 05/02/18
Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		30-150	A
Decachlorobiphenyl	55		30-150	A
2,4,5,6-Tetrachloro-m-xylene	59		30-150	B
Decachlorobiphenyl	58		30-150	B

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815645
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815645-13
Client ID: SB-4/GW FILTERED
Sample Location: EAST HARLEM, NY

Date Collected: 05/02/18 12:20
Date Received: 05/02/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 05/07/18 18:31
Analyst: KEG

Extraction Method: EPA 3510C
Extraction Date: 05/06/18 13:41

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.014	0.003	1	A
Lindane	ND		ug/l	0.014	0.003	1	A
Alpha-BHC	ND		ug/l	0.014	0.003	1	A
Beta-BHC	ND		ug/l	0.014	0.004	1	A
Heptachlor	ND		ug/l	0.014	0.002	1	A
Aldrin	ND		ug/l	0.014	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.014	0.003	1	A
Endrin	ND		ug/l	0.029	0.003	1	A
Endrin aldehyde	ND		ug/l	0.029	0.006	1	A
Endrin ketone	ND		ug/l	0.029	0.003	1	A
Dieldrin	0.022	J	ug/l	0.029	0.003	1	B
4,4'-DDE	ND		ug/l	0.029	0.003	1	B
4,4'-DDD	ND		ug/l	0.029	0.003	1	A
4,4'-DDT	0.008	J	ug/l	0.029	0.003	1	A
Endosulfan I	ND		ug/l	0.014	0.002	1	A
Endosulfan II	ND		ug/l	0.029	0.004	1	A
Endosulfan sulfate	ND		ug/l	0.029	0.003	1	A
Methoxychlor	ND		ug/l	0.143	0.005	1	A
Toxaphene	ND		ug/l	0.143	0.045	1	A
cis-Chlordane	0.006	J	ug/l	0.014	0.005	1	A
trans-Chlordane	ND		ug/l	0.014	0.004	1	A
Chlordane	ND		ug/l	0.143	0.033	1	A

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815645
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815645-13
Client ID: SB-4/GW FILTERED
Sample Location: EAST HARLEM, NY
Date Collected: 05/02/18 12:20
Date Received: 05/02/18
Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		30-150	A
Decachlorobiphenyl	56		30-150	A
2,4,5,6-Tetrachloro-m-xylene	63		30-150	B
Decachlorobiphenyl	59		30-150	B

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815645
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815645-14
Client ID: SB-5/GW FILTERED
Sample Location: EAST HARLEM, NY

Date Collected: 05/02/18 14:00
Date Received: 05/02/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 05/07/18 18:44
Analyst: KEG

Extraction Method: EPA 3510C
Extraction Date: 05/06/18 13:41

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.014	0.003	1	A
Lindane	ND		ug/l	0.014	0.003	1	A
Alpha-BHC	ND		ug/l	0.014	0.003	1	A
Beta-BHC	ND		ug/l	0.014	0.004	1	A
Heptachlor	ND		ug/l	0.014	0.002	1	A
Aldrin	ND		ug/l	0.014	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.014	0.003	1	A
Endrin	ND		ug/l	0.029	0.003	1	A
Endrin aldehyde	ND		ug/l	0.029	0.006	1	B
Endrin ketone	ND		ug/l	0.029	0.003	1	A
Dieldrin	ND		ug/l	0.029	0.003	1	A
4,4'-DDE	0.004	J	ug/l	0.029	0.003	1	B
4,4'-DDD	ND		ug/l	0.029	0.003	1	A
4,4'-DDT	0.010	J	ug/l	0.029	0.003	1	A
Endosulfan I	ND		ug/l	0.014	0.002	1	A
Endosulfan II	ND		ug/l	0.029	0.004	1	A
Endosulfan sulfate	ND		ug/l	0.029	0.003	1	A
Methoxychlor	ND		ug/l	0.143	0.005	1	A
Toxaphene	ND		ug/l	0.143	0.045	1	A
cis-Chlordane	0.006	J	ug/l	0.014	0.005	1	B
trans-Chlordane	0.005	J	ug/l	0.014	0.004	1	A
Chlordane	ND		ug/l	0.143	0.033	1	A

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815645
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815645-14
Client ID: SB-5/GW FILTERED
Sample Location: EAST HARLEM, NY
Date Collected: 05/02/18 14:00
Date Received: 05/02/18
Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	53		30-150	A
Decachlorobiphenyl	50		30-150	A
2,4,5,6-Tetrachloro-m-xylene	50		30-150	B
Decachlorobiphenyl	52		30-150	B

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815645
Report Date: 05/09/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 05/04/18 23:46
Analyst: KEG

Extraction Method: EPA 3546
Extraction Date: 05/03/18 12:51
Cleanup Method: EPA 3620B
Cleanup Date: 05/04/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01,03,05,07 Batch: WG1112290-1						
Delta-BHC	ND		ug/kg	1.51	0.296	A
Lindane	ND		ug/kg	0.630	0.282	A
Alpha-BHC	ND		ug/kg	0.630	0.179	A
Beta-BHC	ND		ug/kg	1.51	0.573	A
Heptachlor	ND		ug/kg	0.756	0.339	A
Aldrin	ND		ug/kg	1.51	0.532	A
Heptachlor epoxide	ND		ug/kg	2.84	0.851	A
Endrin	ND		ug/kg	0.630	0.258	A
Endrin aldehyde	ND		ug/kg	1.89	0.662	A
Endrin ketone	ND		ug/kg	1.51	0.389	A
Dieldrin	ND		ug/kg	0.945	0.472	A
4,4'-DDE	ND		ug/kg	1.51	0.350	A
4,4'-DDD	ND		ug/kg	1.51	0.539	A
4,4'-DDT	ND		ug/kg	2.84	1.22	A
Endosulfan I	ND		ug/kg	1.51	0.357	A
Endosulfan II	ND		ug/kg	1.51	0.505	A
Endosulfan sulfate	ND		ug/kg	0.630	0.300	A
Methoxychlor	ND		ug/kg	2.84	0.882	A
Toxaphene	ND		ug/kg	28.4	7.94	A
cis-Chlordane	ND		ug/kg	1.89	0.527	A
trans-Chlordane	ND		ug/kg	1.89	0.499	A
Chlordane	ND		ug/kg	12.3	5.01	A

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815645
Report Date: 05/09/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 05/04/18 23:46
Analyst: KEG

Extraction Method: EPA 3546
Extraction Date: 05/03/18 12:51
Cleanup Method: EPA 3620B
Cleanup Date: 05/04/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01,03,05,07 Batch: WG1112290-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	100		30-150	B
Decachlorobiphenyl	116		30-150	B
2,4,5,6-Tetrachloro-m-xylene	105		30-150	A
Decachlorobiphenyl	92		30-150	A

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815645
Report Date: 05/09/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 05/07/18 00:14
Analyst: KEG

Extraction Method: EPA 3510C
Extraction Date: 05/04/18 12:15

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 09-11 Batch: WG1112697-1						
Delta-BHC	ND		ug/l	0.014	0.003	A
Lindane	ND		ug/l	0.014	0.003	A
Alpha-BHC	ND		ug/l	0.014	0.003	A
Beta-BHC	ND		ug/l	0.014	0.004	A
Heptachlor	ND		ug/l	0.014	0.002	A
Aldrin	ND		ug/l	0.014	0.002	A
Heptachlor epoxide	ND		ug/l	0.014	0.003	A
Endrin	ND		ug/l	0.029	0.003	A
Endrin aldehyde	ND		ug/l	0.029	0.006	A
Endrin ketone	ND		ug/l	0.029	0.003	A
Dieldrin	ND		ug/l	0.029	0.003	A
4,4'-DDE	ND		ug/l	0.029	0.003	A
4,4'-DDD	ND		ug/l	0.029	0.003	A
4,4'-DDT	ND		ug/l	0.029	0.003	A
Endosulfan I	ND		ug/l	0.014	0.002	A
Endosulfan II	ND		ug/l	0.029	0.004	A
Endosulfan sulfate	ND		ug/l	0.029	0.003	A
Methoxychlor	ND		ug/l	0.143	0.005	A
Toxaphene	ND		ug/l	0.143	0.045	A
cis-Chlordane	ND		ug/l	0.014	0.005	A
trans-Chlordane	ND		ug/l	0.014	0.004	A
Chlordane	ND		ug/l	0.143	0.033	A

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815645
Report Date: 05/09/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 05/07/18 00:14
Analyst: KEG

Extraction Method: EPA 3510C
Extraction Date: 05/04/18 12:15

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 09-11 Batch: WG1112697-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	55		30-150	A
Decachlorobiphenyl	50		30-150	A
2,4,5,6-Tetrachloro-m-xylene	57		30-150	B
Decachlorobiphenyl	49		30-150	B

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815645
Report Date: 05/09/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 05/07/18 17:41
Analyst: KEG

Extraction Method: EPA 3510C
Extraction Date: 05/06/18 13:41

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 12-14 Batch: WG1113101-1						
Delta-BHC	ND		ug/l	0.014	0.003	A
Lindane	ND		ug/l	0.014	0.003	A
Alpha-BHC	ND		ug/l	0.014	0.003	A
Beta-BHC	ND		ug/l	0.014	0.004	A
Heptachlor	ND		ug/l	0.014	0.002	A
Aldrin	ND		ug/l	0.014	0.002	A
Heptachlor epoxide	ND		ug/l	0.014	0.003	A
Endrin	ND		ug/l	0.029	0.003	A
Endrin aldehyde	ND		ug/l	0.029	0.006	A
Endrin ketone	ND		ug/l	0.029	0.003	A
Dieldrin	ND		ug/l	0.029	0.003	A
4,4'-DDE	ND		ug/l	0.029	0.003	A
4,4'-DDD	ND		ug/l	0.029	0.003	A
4,4'-DDT	0.015	J	ug/l	0.029	0.003	A
Endosulfan I	ND		ug/l	0.014	0.002	A
Endosulfan II	ND		ug/l	0.029	0.004	A
Endosulfan sulfate	ND		ug/l	0.029	0.003	A
Methoxychlor	ND		ug/l	0.143	0.005	A
Toxaphene	ND		ug/l	0.143	0.045	A
cis-Chlordane	ND		ug/l	0.014	0.005	A
trans-Chlordane	ND		ug/l	0.014	0.004	A
Chlordane	ND		ug/l	0.143	0.033	A

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815645
Report Date: 05/09/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 05/07/18 17:41
Analyst: KEG

Extraction Method: EPA 3510C
Extraction Date: 05/06/18 13:41

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 12-14 Batch: WG1113101-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		30-150	A
Decachlorobiphenyl	44		30-150	A
2,4,5,6-Tetrachloro-m-xylene	60		30-150	B
Decachlorobiphenyl	46		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: SENDERO VERDE

Project Number: 2984.0001Y000

Lab Number: L1815645

Report Date: 05/09/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01,03,05,07 Batch: WG1112290-2 WG1112290-3									
Delta-BHC	117		122		30-150	4		30	A
Lindane	108		110		30-150	2		30	A
Alpha-BHC	114		118		30-150	3		30	A
Beta-BHC	**159**	Q	**176**	Q	30-150	10		30	A
Heptachlor	110		111		30-150	1		30	A
Aldrin	104		105		30-150	1		30	A
Heptachlor epoxide	111		112		30-150	1		30	A
Endrin	118		119		30-150	1		30	A
Endrin aldehyde	97		94		30-150	3		30	A
Endrin ketone	107		106		30-150	1		30	A
Dieldrin	116		118		30-150	2		30	A
4,4'-DDE	112		112		30-150	0		30	A
4,4'-DDD	119		120		30-150	1		30	A
4,4'-DDT	119		119		30-150	0		30	A
Endosulfan I	98		98		30-150	0		30	A
Endosulfan II	102		103		30-150	1		30	A
Endosulfan sulfate	96		100		30-150	4		30	A
Methoxychlor	127		128		30-150	1		30	A
cis-Chlordane	95		96		30-150	1		30	A
trans-Chlordane	60		62		30-150	3		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: SENDERO VERDE

Project Number: 2984.0001Y000

Lab Number: L1815645

Report Date: 05/09/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01,03,05,07 Batch: WG1112290-2 WG1112290-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	107		109		30-150	B
Decachlorobiphenyl	129		125		30-150	B
2,4,5,6-Tetrachloro-m-xylene	107		110		30-150	A
Decachlorobiphenyl	102		92		30-150	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: SENDERO VERDE

Project Number: 2984.0001Y000

Lab Number: L1815645

Report Date: 05/09/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 09-11 Batch: WG1112697-2 WG1112697-3									
Delta-BHC	65		75		30-150	15		20	A
Lindane	63		73		30-150	15		20	A
Alpha-BHC	62		71		30-150	13		20	A
Beta-BHC	62		68		30-150	9		20	A
Heptachlor	58		69		30-150	18		20	A
Aldrin	57		66		30-150	16		20	A
Heptachlor epoxide	60		70		30-150	15		20	A
Endrin	66		77		30-150	16		20	A
Endrin aldehyde	48		60		30-150	**22**	Q	20	A
Endrin ketone	66		76		30-150	15		20	A
Dieldrin	62		73		30-150	17		20	A
4,4'-DDE	57		67		30-150	17		20	A
4,4'-DDD	62		74		30-150	17		20	A
4,4'-DDT	69		80		30-150	15		20	A
Endosulfan I	55		65		30-150	16		20	A
Endosulfan II	57		66		30-150	15		20	A
Endosulfan sulfate	53		63		30-150	17		20	A
Methoxychlor	87		101		30-150	14		20	A
cis-Chlordane	49		62		30-150	**23**	Q	20	A
trans-Chlordane	45		60		30-150	**28**	Q	20	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: SENDERO VERDE

Project Number: 2984.0001Y000

Lab Number: L1815645

Report Date: 05/09/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 09-11 Batch: WG1112697-2 WG1112697-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	52		58		30-150	A
Decachlorobiphenyl	53		60		30-150	A
2,4,5,6-Tetrachloro-m-xylene	54		62		30-150	B
Decachlorobiphenyl	56		61		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: SENDERO VERDE

Project Number: 2984.0001Y000

Lab Number: L1815645

Report Date: 05/09/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 12-14 Batch: WG1113101-2 WG1113101-3									
Delta-BHC	78		73		30-150	6		20	A
Lindane	76		71		30-150	6		20	A
Alpha-BHC	75		70		30-150	7		20	A
Beta-BHC	72		71		30-150	2		20	A
Heptachlor	70		67		30-150	5		20	A
Aldrin	71		66		30-150	7		20	A
Heptachlor epoxide	72		69		30-150	4		20	A
Endrin	78		78		30-150	1		20	A
Endrin aldehyde	51		48		30-150	7		20	A
Endrin ketone	71		71		30-150	0		20	A
Dieldrin	75		72		30-150	3		20	A
4,4'-DDE	69		64		30-150	6		20	A
4,4'-DDD	70		68		30-150	2		20	A
4,4'-DDT	66		66		30-150	0		20	A
Endosulfan I	73		66		30-150	9		20	A
Endosulfan II	63		63		30-150	0		20	A
Endosulfan sulfate	62		62		30-150	0		20	A
Methoxychlor	85		99		30-150	16		20	A
cis-Chlordane	65		61		30-150	6		20	A
trans-Chlordane	67		63		30-150	6		20	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: SENDERO VERDE

Project Number: 2984.0001Y000

Lab Number: L1815645

Report Date: 05/09/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 12-14 Batch: WG1113101-2 WG1113101-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	61		56		30-150	A
Decachlorobiphenyl	54		56		30-150	A
2,4,5,6-Tetrachloro-m-xylene	59		52		30-150	B
Decachlorobiphenyl	54		54		30-150	B

METALS

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815645
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815645-01
Client ID: SB-2 (17.5-19.5)
Sample Location: EAST HARLEM, NY
Date Collected: 05/02/18 08:50
Date Received: 05/02/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 81%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	3700		mg/kg	9.65	2.60	2	05/03/18 18:52	05/04/18 00:32	EPA 3050B	1,6010C	MC
Antimony, Total	ND		mg/kg	4.82	0.367	2	05/03/18 18:52	05/04/18 00:32	EPA 3050B	1,6010C	MC
Arsenic, Total	0.772	J	mg/kg	0.965	0.201	2	05/03/18 18:52	05/04/18 00:32	EPA 3050B	1,6010C	MC
Barium, Total	29.1		mg/kg	0.965	0.168	2	05/03/18 18:52	05/04/18 00:32	EPA 3050B	1,6010C	MC
Beryllium, Total	0.135	J	mg/kg	0.482	0.032	2	05/03/18 18:52	05/04/18 00:32	EPA 3050B	1,6010C	MC
Cadmium, Total	ND		mg/kg	0.965	0.095	2	05/03/18 18:52	05/04/18 00:32	EPA 3050B	1,6010C	MC
Calcium, Total	791		mg/kg	9.65	3.38	2	05/03/18 18:52	05/04/18 00:32	EPA 3050B	1,6010C	MC
Chromium, Total	12.6		mg/kg	0.965	0.093	2	05/03/18 18:52	05/04/18 00:32	EPA 3050B	1,6010C	MC
Cobalt, Total	4.36		mg/kg	1.93	0.160	2	05/03/18 18:52	05/04/18 00:32	EPA 3050B	1,6010C	MC
Copper, Total	13.0		mg/kg	0.965	0.249	2	05/03/18 18:52	05/04/18 00:32	EPA 3050B	1,6010C	MC
Iron, Total	7630		mg/kg	4.82	0.871	2	05/03/18 18:52	05/04/18 00:32	EPA 3050B	1,6010C	MC
Lead, Total	2.85	J	mg/kg	4.82	0.259	2	05/03/18 18:52	05/04/18 00:32	EPA 3050B	1,6010C	MC
Magnesium, Total	1550		mg/kg	9.65	1.49	2	05/03/18 18:52	05/04/18 00:32	EPA 3050B	1,6010C	MC
Manganese, Total	327		mg/kg	0.965	0.153	2	05/03/18 18:52	05/04/18 00:32	EPA 3050B	1,6010C	MC
Mercury, Total	ND		mg/kg	0.077	0.016	1	05/04/18 07:20	05/04/18 12:25	EPA 7471B	1,7471B	MG
Nickel, Total	8.88		mg/kg	2.41	0.234	2	05/03/18 18:52	05/04/18 00:32	EPA 3050B	1,6010C	MC
Potassium, Total	391		mg/kg	241	13.9	2	05/03/18 18:52	05/04/18 00:32	EPA 3050B	1,6010C	MC
Selenium, Total	ND		mg/kg	1.93	0.249	2	05/03/18 18:52	05/04/18 00:32	EPA 3050B	1,6010C	MC
Silver, Total	ND		mg/kg	0.965	0.273	2	05/03/18 18:52	05/04/18 00:32	EPA 3050B	1,6010C	MC
Sodium, Total	73.5	J	mg/kg	193	3.04	2	05/03/18 18:52	05/04/18 00:32	EPA 3050B	1,6010C	MC
Thallium, Total	ND		mg/kg	1.93	0.304	2	05/03/18 18:52	05/04/18 00:32	EPA 3050B	1,6010C	MC
Vanadium, Total	12.9		mg/kg	0.965	0.196	2	05/03/18 18:52	05/04/18 00:32	EPA 3050B	1,6010C	MC
Zinc, Total	13.7		mg/kg	4.82	0.283	2	05/03/18 18:52	05/04/18 00:32	EPA 3050B	1,6010C	MC

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815645
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815645-03
Client ID: SB-1 (12-14)
Sample Location: EAST HARLEM, NY
Date Collected: 05/02/18 11:00
Date Received: 05/02/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	4720		mg/kg	8.81	2.38	2	05/03/18 18:52	05/04/18 00:36	EPA 3050B	1,6010C	MC
Antimony, Total	1.54	J	mg/kg	4.40	0.335	2	05/03/18 18:52	05/04/18 00:36	EPA 3050B	1,6010C	MC
Arsenic, Total	5.07		mg/kg	0.881	0.183	2	05/03/18 18:52	05/04/18 00:36	EPA 3050B	1,6010C	MC
Barium, Total	418		mg/kg	0.881	0.153	2	05/03/18 18:52	05/04/18 00:36	EPA 3050B	1,6010C	MC
Beryllium, Total	0.150	J	mg/kg	0.440	0.029	2	05/03/18 18:52	05/04/18 00:36	EPA 3050B	1,6010C	MC
Cadmium, Total	0.740	J	mg/kg	0.881	0.086	2	05/03/18 18:52	05/04/18 00:36	EPA 3050B	1,6010C	MC
Calcium, Total	17400		mg/kg	8.81	3.08	2	05/03/18 18:52	05/04/18 00:36	EPA 3050B	1,6010C	MC
Chromium, Total	20.8		mg/kg	0.881	0.085	2	05/03/18 18:52	05/04/18 00:36	EPA 3050B	1,6010C	MC
Cobalt, Total	4.55		mg/kg	1.76	0.146	2	05/03/18 18:52	05/04/18 00:36	EPA 3050B	1,6010C	MC
Copper, Total	30.8		mg/kg	0.881	0.227	2	05/03/18 18:52	05/04/18 00:36	EPA 3050B	1,6010C	MC
Iron, Total	9730		mg/kg	4.40	0.795	2	05/03/18 18:52	05/04/18 00:36	EPA 3050B	1,6010C	MC
Lead, Total	820		mg/kg	4.40	0.236	2	05/03/18 18:52	05/04/18 00:36	EPA 3050B	1,6010C	MC
Magnesium, Total	2710		mg/kg	8.81	1.36	2	05/03/18 18:52	05/04/18 00:36	EPA 3050B	1,6010C	MC
Manganese, Total	205		mg/kg	0.881	0.140	2	05/03/18 18:52	05/04/18 00:36	EPA 3050B	1,6010C	MC
Mercury, Total	0.302		mg/kg	0.072	0.015	1	05/04/18 07:20	05/04/18 12:30	EPA 7471B	1,7471B	MG
Nickel, Total	9.40		mg/kg	2.20	0.213	2	05/03/18 18:52	05/04/18 00:36	EPA 3050B	1,6010C	MC
Potassium, Total	495		mg/kg	220	12.7	2	05/03/18 18:52	05/04/18 00:36	EPA 3050B	1,6010C	MC
Selenium, Total	0.370	J	mg/kg	1.76	0.227	2	05/03/18 18:52	05/04/18 00:36	EPA 3050B	1,6010C	MC
Silver, Total	0.396	J	mg/kg	0.881	0.249	2	05/03/18 18:52	05/04/18 00:36	EPA 3050B	1,6010C	MC
Sodium, Total	259		mg/kg	176	2.77	2	05/03/18 18:52	05/04/18 00:36	EPA 3050B	1,6010C	MC
Thallium, Total	ND		mg/kg	1.76	0.277	2	05/03/18 18:52	05/04/18 00:36	EPA 3050B	1,6010C	MC
Vanadium, Total	16.6		mg/kg	0.881	0.179	2	05/03/18 18:52	05/04/18 00:36	EPA 3050B	1,6010C	MC
Zinc, Total	617		mg/kg	4.40	0.258	2	05/03/18 18:52	05/04/18 00:36	EPA 3050B	1,6010C	MC

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815645
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815645-05
Client ID: SB-5 (18-20)
Sample Location: EAST HARLEM, NY
Sample Depth:
Matrix: Soil
Percent Solids: 83%

Date Collected: 05/02/18 13:00
Date Received: 05/02/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	2470		mg/kg	9.60	2.59	2	05/03/18 18:52	05/04/18 00:40	EPA 3050B	1,6010C	MC
Antimony, Total	ND		mg/kg	4.80	0.365	2	05/03/18 18:52	05/04/18 00:40	EPA 3050B	1,6010C	MC
Arsenic, Total	1.52		mg/kg	0.960	0.200	2	05/03/18 18:52	05/04/18 00:40	EPA 3050B	1,6010C	MC
Barium, Total	28.1		mg/kg	0.960	0.167	2	05/03/18 18:52	05/04/18 00:40	EPA 3050B	1,6010C	MC
Beryllium, Total	0.154	J	mg/kg	0.480	0.032	2	05/03/18 18:52	05/04/18 00:40	EPA 3050B	1,6010C	MC
Cadmium, Total	ND		mg/kg	0.960	0.094	2	05/03/18 18:52	05/04/18 00:40	EPA 3050B	1,6010C	MC
Calcium, Total	488		mg/kg	9.60	3.36	2	05/03/18 18:52	05/04/18 00:40	EPA 3050B	1,6010C	MC
Chromium, Total	6.96		mg/kg	0.960	0.092	2	05/03/18 18:52	05/04/18 00:40	EPA 3050B	1,6010C	MC
Cobalt, Total	2.57		mg/kg	1.92	0.159	2	05/03/18 18:52	05/04/18 00:40	EPA 3050B	1,6010C	MC
Copper, Total	9.85		mg/kg	0.960	0.248	2	05/03/18 18:52	05/04/18 00:40	EPA 3050B	1,6010C	MC
Iron, Total	6110		mg/kg	4.80	0.867	2	05/03/18 18:52	05/04/18 00:40	EPA 3050B	1,6010C	MC
Lead, Total	2.28	J	mg/kg	4.80	0.257	2	05/03/18 18:52	05/04/18 00:40	EPA 3050B	1,6010C	MC
Magnesium, Total	1160		mg/kg	9.60	1.48	2	05/03/18 18:52	05/04/18 00:40	EPA 3050B	1,6010C	MC
Manganese, Total	296		mg/kg	0.960	0.153	2	05/03/18 18:52	05/04/18 00:40	EPA 3050B	1,6010C	MC
Mercury, Total	ND		mg/kg	0.076	0.016	1	05/04/18 07:20	05/04/18 12:32	EPA 7471B	1,7471B	MG
Nickel, Total	6.49		mg/kg	2.40	0.232	2	05/03/18 18:52	05/04/18 00:40	EPA 3050B	1,6010C	MC
Potassium, Total	381		mg/kg	240	13.8	2	05/03/18 18:52	05/04/18 00:40	EPA 3050B	1,6010C	MC
Selenium, Total	ND		mg/kg	1.92	0.248	2	05/03/18 18:52	05/04/18 00:40	EPA 3050B	1,6010C	MC
Silver, Total	ND		mg/kg	0.960	0.272	2	05/03/18 18:52	05/04/18 00:40	EPA 3050B	1,6010C	MC
Sodium, Total	47.3	J	mg/kg	192	3.02	2	05/03/18 18:52	05/04/18 00:40	EPA 3050B	1,6010C	MC
Thallium, Total	ND		mg/kg	1.92	0.302	2	05/03/18 18:52	05/04/18 00:40	EPA 3050B	1,6010C	MC
Vanadium, Total	9.12		mg/kg	0.960	0.195	2	05/03/18 18:52	05/04/18 00:40	EPA 3050B	1,6010C	MC
Zinc, Total	9.39		mg/kg	4.80	0.281	2	05/03/18 18:52	05/04/18 00:40	EPA 3050B	1,6010C	MC

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815645
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815645-07
Client ID: SB-6 (17-19)
Sample Location: EAST HARLEM, NY
Date Collected: 05/02/18 14:30
Date Received: 05/02/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 82%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	2600		mg/kg	9.23	2.49	2	05/03/18 18:52	05/04/18 00:45	EPA 3050B	1,6010C	MC
Antimony, Total	ND		mg/kg	4.61	0.351	2	05/03/18 18:52	05/04/18 00:45	EPA 3050B	1,6010C	MC
Arsenic, Total	0.637	J	mg/kg	0.923	0.192	2	05/03/18 18:52	05/04/18 00:45	EPA 3050B	1,6010C	MC
Barium, Total	24.8		mg/kg	0.923	0.160	2	05/03/18 18:52	05/04/18 00:45	EPA 3050B	1,6010C	MC
Beryllium, Total	0.157	J	mg/kg	0.461	0.030	2	05/03/18 18:52	05/04/18 00:45	EPA 3050B	1,6010C	MC
Cadmium, Total	ND		mg/kg	0.923	0.090	2	05/03/18 18:52	05/04/18 00:45	EPA 3050B	1,6010C	MC
Calcium, Total	697		mg/kg	9.23	3.23	2	05/03/18 18:52	05/04/18 00:45	EPA 3050B	1,6010C	MC
Chromium, Total	10.8		mg/kg	0.923	0.089	2	05/03/18 18:52	05/04/18 00:45	EPA 3050B	1,6010C	MC
Cobalt, Total	2.91		mg/kg	1.84	0.153	2	05/03/18 18:52	05/04/18 00:45	EPA 3050B	1,6010C	MC
Copper, Total	8.08		mg/kg	0.923	0.238	2	05/03/18 18:52	05/04/18 00:45	EPA 3050B	1,6010C	MC
Iron, Total	7440		mg/kg	4.61	0.833	2	05/03/18 18:52	05/04/18 00:45	EPA 3050B	1,6010C	MC
Lead, Total	2.52	J	mg/kg	4.61	0.247	2	05/03/18 18:52	05/04/18 00:45	EPA 3050B	1,6010C	MC
Magnesium, Total	1170		mg/kg	9.23	1.42	2	05/03/18 18:52	05/04/18 00:45	EPA 3050B	1,6010C	MC
Manganese, Total	278		mg/kg	0.923	0.147	2	05/03/18 18:52	05/04/18 00:45	EPA 3050B	1,6010C	MC
Mercury, Total	ND		mg/kg	0.076	0.016	1	05/04/18 07:20	05/04/18 12:34	EPA 7471B	1,7471B	MG
Nickel, Total	7.70		mg/kg	2.31	0.223	2	05/03/18 18:52	05/04/18 00:45	EPA 3050B	1,6010C	MC
Potassium, Total	349		mg/kg	231	13.3	2	05/03/18 18:52	05/04/18 00:45	EPA 3050B	1,6010C	MC
Selenium, Total	ND		mg/kg	1.84	0.238	2	05/03/18 18:52	05/04/18 00:45	EPA 3050B	1,6010C	MC
Silver, Total	ND		mg/kg	0.923	0.261	2	05/03/18 18:52	05/04/18 00:45	EPA 3050B	1,6010C	MC
Sodium, Total	48.4	J	mg/kg	184	2.91	2	05/03/18 18:52	05/04/18 00:45	EPA 3050B	1,6010C	MC
Thallium, Total	ND		mg/kg	1.84	0.291	2	05/03/18 18:52	05/04/18 00:45	EPA 3050B	1,6010C	MC
Vanadium, Total	10.5		mg/kg	0.923	0.187	2	05/03/18 18:52	05/04/18 00:45	EPA 3050B	1,6010C	MC
Zinc, Total	10.3		mg/kg	4.61	0.270	2	05/03/18 18:52	05/04/18 00:45	EPA 3050B	1,6010C	MC

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815645
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815645-09
Client ID: SB-10/GW
Sample Location: EAST HARLEM, NY
Date Collected: 05/02/18 10:00
Date Received: 05/02/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	2.52		mg/l	0.0100	0.00327	1	05/04/18 08:20	05/07/18 14:03	EPA 3005A	1,6020A	AM
Antimony, Total	0.00229	J	mg/l	0.00400	0.00042	1	05/04/18 08:20	05/07/18 14:03	EPA 3005A	1,6020A	AM
Arsenic, Total	0.00184		mg/l	0.00050	0.00016	1	05/04/18 08:20	05/07/18 14:03	EPA 3005A	1,6020A	AM
Barium, Total	0.6438		mg/l	0.00050	0.00017	1	05/04/18 08:20	05/07/18 14:03	EPA 3005A	1,6020A	AM
Beryllium, Total	0.00024	J	mg/l	0.00050	0.00010	1	05/04/18 08:20	05/07/18 14:03	EPA 3005A	1,6020A	AM
Cadmium, Total	0.00048		mg/l	0.00020	0.00005	1	05/04/18 08:20	05/07/18 14:03	EPA 3005A	1,6020A	AM
Calcium, Total	56.5		mg/l	0.100	0.0394	1	05/04/18 08:20	05/07/18 14:03	EPA 3005A	1,6020A	AM
Chromium, Total	0.01188		mg/l	0.00100	0.00017	1	05/04/18 08:20	05/07/18 14:03	EPA 3005A	1,6020A	AM
Cobalt, Total	0.00326		mg/l	0.00050	0.00016	1	05/04/18 08:20	05/07/18 14:03	EPA 3005A	1,6020A	AM
Copper, Total	0.01229		mg/l	0.00150	0.00038	1	05/04/18 08:20	05/07/18 14:03	EPA 3005A	1,6020A	AM
Iron, Total	3.58		mg/l	0.0500	0.0191	1	05/04/18 08:20	05/07/18 14:03	EPA 3005A	1,6020A	AM
Lead, Total	0.07415		mg/l	0.00100	0.00034	1	05/04/18 08:20	05/07/18 14:03	EPA 3005A	1,6020A	AM
Magnesium, Total	12.3		mg/l	0.0700	0.0242	1	05/04/18 08:20	05/07/18 14:03	EPA 3005A	1,6020A	AM
Manganese, Total	0.4717		mg/l	0.00100	0.00044	1	05/04/18 08:20	05/07/18 14:03	EPA 3005A	1,6020A	AM
Mercury, Total	0.00013	J	mg/l	0.00020	0.00006	1	05/03/18 11:51	05/03/18 17:21	EPA 7470A	1,7470A	MG
Nickel, Total	0.00679		mg/l	0.00200	0.00055	1	05/04/18 08:20	05/07/18 14:03	EPA 3005A	1,6020A	AM
Potassium, Total	3.78		mg/l	0.100	0.0309	1	05/04/18 08:20	05/07/18 14:03	EPA 3005A	1,6020A	AM
Selenium, Total	0.00537		mg/l	0.00500	0.00173	1	05/04/18 08:20	05/07/18 14:03	EPA 3005A	1,6020A	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	05/04/18 08:20	05/07/18 14:03	EPA 3005A	1,6020A	AM
Sodium, Total	58.0		mg/l	0.100	0.0293	1	05/04/18 08:20	05/07/18 14:03	EPA 3005A	1,6020A	AM
Thallium, Total	0.00014	J	mg/l	0.00050	0.00014	1	05/04/18 08:20	05/07/18 14:03	EPA 3005A	1,6020A	AM
Vanadium, Total	0.00852		mg/l	0.00500	0.00157	1	05/04/18 08:20	05/07/18 14:03	EPA 3005A	1,6020A	AM
Zinc, Total	0.2047		mg/l	0.01000	0.00341	1	05/04/18 08:20	05/07/18 14:03	EPA 3005A	1,6020A	AM
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	0.00644	J	mg/l	0.0100	0.00327	1	05/04/18 08:50	05/04/18 15:16	EPA 3005A	1,6020A	AM
Antimony, Dissolved	0.00085	J	mg/l	0.00400	0.00042	1	05/04/18 08:50	05/04/18 15:16	EPA 3005A	1,6020A	AM
Arsenic, Dissolved	0.00033	J	mg/l	0.00050	0.00016	1	05/04/18 08:50	05/04/18 15:16	EPA 3005A	1,6020A	AM
Barium, Dissolved	0.03479		mg/l	0.00050	0.00017	1	05/04/18 08:50	05/04/18 15:16	EPA 3005A	1,6020A	AM
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	05/04/18 08:50	05/04/18 15:16	EPA 3005A	1,6020A	AM

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815645
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815645-09
Client ID: SB-10/GW
Sample Location: EAST HARLEM, NY
Date Collected: 05/02/18 10:00
Date Received: 05/02/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Cadmium, Dissolved	0.00009	J	mg/l	0.00020	0.00005	1	05/04/18 08:50	05/04/18 15:16	EPA 3005A	1,6020A	AM
Calcium, Dissolved	55.3		mg/l	0.100	0.0394	1	05/04/18 08:50	05/04/18 15:16	EPA 3005A	1,6020A	AM
Chromium, Dissolved	0.00181		mg/l	0.00100	0.00017	1	05/04/18 08:50	05/04/18 15:16	EPA 3005A	1,6020A	AM
Cobalt, Dissolved	ND		mg/l	0.00050	0.00016	1	05/04/18 08:50	05/04/18 15:16	EPA 3005A	1,6020A	AM
Copper, Dissolved	0.00113		mg/l	0.00100	0.00038	1	05/04/18 08:50	05/04/18 15:16	EPA 3005A	1,6020A	AM
Iron, Dissolved	ND		mg/l	0.0500	0.0191	1	05/04/18 08:50	05/04/18 15:16	EPA 3005A	1,6020A	AM
Lead, Dissolved	0.00049	J	mg/l	0.00100	0.00034	1	05/04/18 08:50	05/04/18 15:16	EPA 3005A	1,6020A	AM
Magnesium, Dissolved	12.1		mg/l	0.0700	0.0242	1	05/04/18 08:50	05/04/18 15:16	EPA 3005A	1,6020A	AM
Manganese, Dissolved	0.01172		mg/l	0.00100	0.00044	1	05/04/18 08:50	05/04/18 15:16	EPA 3005A	1,6020A	AM
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	05/03/18 14:59	05/03/18 18:43	EPA 7470A	1,7470A	MG
Nickel, Dissolved	ND		mg/l	0.00200	0.00055	1	05/04/18 08:50	05/04/18 15:16	EPA 3005A	1,6020A	AM
Potassium, Dissolved	3.72		mg/l	0.100	0.0309	1	05/04/18 08:50	05/04/18 15:16	EPA 3005A	1,6020A	AM
Selenium, Dissolved	0.00469	J	mg/l	0.00500	0.00173	1	05/04/18 08:50	05/04/18 15:16	EPA 3005A	1,6020A	AM
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	05/04/18 08:50	05/04/18 15:16	EPA 3005A	1,6020A	AM
Sodium, Dissolved	59.2		mg/l	0.100	0.0293	1	05/04/18 08:50	05/04/18 15:16	EPA 3005A	1,6020A	AM
Thallium, Dissolved	ND		mg/l	0.00050	0.00014	1	05/04/18 08:50	05/04/18 15:16	EPA 3005A	1,6020A	AM
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	05/04/18 08:50	05/04/18 15:16	EPA 3005A	1,6020A	AM
Zinc, Dissolved	0.01080		mg/l	0.01000	0.00341	1	05/04/18 08:50	05/04/18 15:16	EPA 3005A	1,6020A	AM

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815645
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815645-10
Client ID: SB-4/GW
Sample Location: EAST HARLEM, NY
Date Collected: 05/02/18 12:20
Date Received: 05/02/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	12.1		mg/l	0.0100	0.00327	1	05/04/18 08:20	05/07/18 14:06	EPA 3005A	1,6020A	AM
Antimony, Total	0.00178	J	mg/l	0.00400	0.00042	1	05/04/18 08:20	05/07/18 14:06	EPA 3005A	1,6020A	AM
Arsenic, Total	0.00647		mg/l	0.00050	0.00016	1	05/04/18 08:20	05/07/18 14:06	EPA 3005A	1,6020A	AM
Barium, Total	3.150		mg/l	0.00050	0.00017	1	05/04/18 08:20	05/07/18 14:06	EPA 3005A	1,6020A	AM
Beryllium, Total	0.00109		mg/l	0.00050	0.00010	1	05/04/18 08:20	05/07/18 14:06	EPA 3005A	1,6020A	AM
Cadmium, Total	0.00121		mg/l	0.00020	0.00005	1	05/04/18 08:20	05/07/18 14:06	EPA 3005A	1,6020A	AM
Calcium, Total	58.9		mg/l	0.100	0.0394	1	05/04/18 08:20	05/07/18 14:06	EPA 3005A	1,6020A	AM
Chromium, Total	0.06841		mg/l	0.00100	0.00017	1	05/04/18 08:20	05/07/18 14:06	EPA 3005A	1,6020A	AM
Cobalt, Total	0.02128		mg/l	0.00050	0.00016	1	05/04/18 08:20	05/07/18 14:06	EPA 3005A	1,6020A	AM
Copper, Total	0.06640		mg/l	0.00150	0.00038	1	05/04/18 08:20	05/07/18 14:06	EPA 3005A	1,6020A	AM
Iron, Total	22.2		mg/l	0.0500	0.0191	1	05/04/18 08:20	05/07/18 14:06	EPA 3005A	1,6020A	AM
Lead, Total	0.2857		mg/l	0.00100	0.00034	1	05/04/18 08:20	05/07/18 14:06	EPA 3005A	1,6020A	AM
Magnesium, Total	8.47		mg/l	0.0700	0.0242	1	05/04/18 08:20	05/07/18 14:06	EPA 3005A	1,6020A	AM
Manganese, Total	0.8435		mg/l	0.00100	0.00044	1	05/04/18 08:20	05/07/18 14:06	EPA 3005A	1,6020A	AM
Mercury, Total	0.00026		mg/l	0.00020	0.00006	1	05/03/18 11:51	05/03/18 17:26	EPA 7470A	1,7470A	MG
Nickel, Total	0.03034		mg/l	0.00200	0.00055	1	05/04/18 08:20	05/07/18 14:06	EPA 3005A	1,6020A	AM
Potassium, Total	3.93		mg/l	0.100	0.0309	1	05/04/18 08:20	05/07/18 14:06	EPA 3005A	1,6020A	AM
Selenium, Total	0.00234	J	mg/l	0.00500	0.00173	1	05/04/18 08:20	05/07/18 14:06	EPA 3005A	1,6020A	AM
Silver, Total	0.00056		mg/l	0.00040	0.00016	1	05/04/18 08:20	05/07/18 14:06	EPA 3005A	1,6020A	AM
Sodium, Total	19.4		mg/l	0.100	0.0293	1	05/04/18 08:20	05/07/18 14:06	EPA 3005A	1,6020A	AM
Thallium, Total	0.00016	J	mg/l	0.00050	0.00014	1	05/04/18 08:20	05/07/18 14:06	EPA 3005A	1,6020A	AM
Vanadium, Total	0.04145		mg/l	0.00500	0.00157	1	05/04/18 08:20	05/07/18 14:06	EPA 3005A	1,6020A	AM
Zinc, Total	1.014		mg/l	0.01000	0.00341	1	05/04/18 08:20	05/07/18 14:06	EPA 3005A	1,6020A	AM
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	0.0251		mg/l	0.0100	0.00327	1	05/04/18 08:50	05/04/18 15:20	EPA 3005A	1,6020A	AM
Antimony, Dissolved	0.00087	J	mg/l	0.00400	0.00042	1	05/04/18 08:50	05/04/18 15:20	EPA 3005A	1,6020A	AM
Arsenic, Dissolved	0.00055		mg/l	0.00050	0.00016	1	05/04/18 08:50	05/04/18 15:20	EPA 3005A	1,6020A	AM
Barium, Dissolved	0.05897		mg/l	0.00050	0.00017	1	05/04/18 08:50	05/04/18 15:20	EPA 3005A	1,6020A	AM
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	05/04/18 08:50	05/04/18 15:20	EPA 3005A	1,6020A	AM

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815645
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815645-10
Client ID: SB-4/GW
Sample Location: EAST HARLEM, NY
Sample Depth:
Matrix: Water
Date Collected: 05/02/18 12:20
Date Received: 05/02/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	05/04/18 08:50	05/04/18 15:20	EPA 3005A	1,6020A	AM
Calcium, Dissolved	25.6		mg/l	0.100	0.0394	1	05/04/18 08:50	05/04/18 15:20	EPA 3005A	1,6020A	AM
Chromium, Dissolved	0.00348		mg/l	0.00100	0.00017	1	05/04/18 08:50	05/04/18 15:20	EPA 3005A	1,6020A	AM
Cobalt, Dissolved	ND		mg/l	0.00050	0.00016	1	05/04/18 08:50	05/04/18 15:20	EPA 3005A	1,6020A	AM
Copper, Dissolved	0.00121		mg/l	0.00100	0.00038	1	05/04/18 08:50	05/04/18 15:20	EPA 3005A	1,6020A	AM
Iron, Dissolved	ND		mg/l	0.0500	0.0191	1	05/04/18 08:50	05/04/18 15:20	EPA 3005A	1,6020A	AM
Lead, Dissolved	0.00034	J	mg/l	0.00100	0.00034	1	05/04/18 08:50	05/04/18 15:20	EPA 3005A	1,6020A	AM
Magnesium, Dissolved	4.26		mg/l	0.0700	0.0242	1	05/04/18 08:50	05/04/18 15:20	EPA 3005A	1,6020A	AM
Manganese, Dissolved	0.00546		mg/l	0.00100	0.00044	1	05/04/18 08:50	05/04/18 15:20	EPA 3005A	1,6020A	AM
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	05/03/18 14:59	05/03/18 18:49	EPA 7470A	1,7470A	MG
Nickel, Dissolved	ND		mg/l	0.00200	0.00055	1	05/04/18 08:50	05/04/18 15:20	EPA 3005A	1,6020A	AM
Potassium, Dissolved	3.00		mg/l	0.100	0.0309	1	05/04/18 08:50	05/04/18 15:20	EPA 3005A	1,6020A	AM
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	05/04/18 08:50	05/04/18 15:20	EPA 3005A	1,6020A	AM
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	05/04/18 08:50	05/04/18 15:20	EPA 3005A	1,6020A	AM
Sodium, Dissolved	21.0		mg/l	0.100	0.0293	1	05/04/18 08:50	05/04/18 15:20	EPA 3005A	1,6020A	AM
Thallium, Dissolved	ND		mg/l	0.00050	0.00014	1	05/04/18 08:50	05/04/18 15:20	EPA 3005A	1,6020A	AM
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	05/04/18 08:50	05/04/18 15:20	EPA 3005A	1,6020A	AM
Zinc, Dissolved	0.00346	J	mg/l	0.01000	0.00341	1	05/04/18 08:50	05/04/18 15:20	EPA 3005A	1,6020A	AM

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815645
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815645-11
Client ID: SB-5/GW
Sample Location: EAST HARLEM, NY
Date Collected: 05/02/18 14:00
Date Received: 05/02/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	8.82		mg/l	0.0100	0.00327	1	05/04/18 08:20	05/07/18 14:10	EPA 3005A	1,6020A	AM
Antimony, Total	0.00775		mg/l	0.00400	0.00042	1	05/04/18 08:20	05/07/18 14:10	EPA 3005A	1,6020A	AM
Arsenic, Total	0.00985		mg/l	0.00050	0.00016	1	05/04/18 08:20	05/07/18 14:10	EPA 3005A	1,6020A	AM
Barium, Total	2.173		mg/l	0.00050	0.00017	1	05/04/18 08:20	05/07/18 14:10	EPA 3005A	1,6020A	AM
Beryllium, Total	0.00086		mg/l	0.00050	0.00010	1	05/04/18 08:20	05/07/18 14:10	EPA 3005A	1,6020A	AM
Cadmium, Total	0.00180		mg/l	0.00020	0.00005	1	05/04/18 08:20	05/07/18 14:10	EPA 3005A	1,6020A	AM
Calcium, Total	229.		mg/l	0.100	0.0394	1	05/04/18 08:20	05/07/18 14:10	EPA 3005A	1,6020A	AM
Chromium, Total	0.03572		mg/l	0.00100	0.00017	1	05/04/18 08:20	05/07/18 14:10	EPA 3005A	1,6020A	AM
Cobalt, Total	0.01661		mg/l	0.00050	0.00016	1	05/04/18 08:20	05/07/18 14:10	EPA 3005A	1,6020A	AM
Copper, Total	0.07874		mg/l	0.00150	0.00038	1	05/04/18 08:20	05/07/18 14:10	EPA 3005A	1,6020A	AM
Iron, Total	14.2		mg/l	0.0500	0.0191	1	05/04/18 08:20	05/07/18 14:10	EPA 3005A	1,6020A	AM
Lead, Total	1.558		mg/l	0.00100	0.00034	1	05/04/18 08:20	05/07/18 14:10	EPA 3005A	1,6020A	AM
Magnesium, Total	17.4		mg/l	0.0700	0.0242	1	05/04/18 08:20	05/07/18 14:10	EPA 3005A	1,6020A	AM
Manganese, Total	1.101		mg/l	0.00100	0.00044	1	05/04/18 08:20	05/07/18 14:10	EPA 3005A	1,6020A	AM
Mercury, Total	0.00092		mg/l	0.00020	0.00006	1	05/03/18 11:51	05/03/18 17:28	EPA 7470A	1,7470A	MG
Nickel, Total	0.02281		mg/l	0.00200	0.00055	1	05/04/18 08:20	05/07/18 14:10	EPA 3005A	1,6020A	AM
Potassium, Total	5.24		mg/l	0.100	0.0309	1	05/04/18 08:20	05/07/18 14:10	EPA 3005A	1,6020A	AM
Selenium, Total	0.00285	J	mg/l	0.00500	0.00173	1	05/04/18 08:20	05/07/18 14:10	EPA 3005A	1,6020A	AM
Silver, Total	0.00022	J	mg/l	0.00040	0.00016	1	05/04/18 08:20	05/07/18 14:10	EPA 3005A	1,6020A	AM
Sodium, Total	22.6		mg/l	0.100	0.0293	1	05/04/18 08:20	05/07/18 14:10	EPA 3005A	1,6020A	AM
Thallium, Total	0.00020	J	mg/l	0.00050	0.00014	1	05/04/18 08:20	05/07/18 14:10	EPA 3005A	1,6020A	AM
Vanadium, Total	0.03771		mg/l	0.00500	0.00157	1	05/04/18 08:20	05/07/18 14:10	EPA 3005A	1,6020A	AM
Zinc, Total	1.130		mg/l	0.01000	0.00341	1	05/04/18 08:20	05/07/18 14:10	EPA 3005A	1,6020A	AM
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	0.0120		mg/l	0.0100	0.00327	1	05/04/18 08:50	05/04/18 15:24	EPA 3005A	1,6020A	AM
Antimony, Dissolved	0.00250	J	mg/l	0.00400	0.00042	1	05/04/18 08:50	05/04/18 15:24	EPA 3005A	1,6020A	AM
Arsenic, Dissolved	0.00045	J	mg/l	0.00050	0.00016	1	05/04/18 08:50	05/04/18 15:24	EPA 3005A	1,6020A	AM
Barium, Dissolved	0.04316		mg/l	0.00050	0.00017	1	05/04/18 08:50	05/04/18 15:24	EPA 3005A	1,6020A	AM
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	05/04/18 08:50	05/04/18 15:24	EPA 3005A	1,6020A	AM

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815645
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815645-11
Client ID: SB-5/GW
Sample Location: EAST HARLEM, NY
Date Collected: 05/02/18 14:00
Date Received: 05/02/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	05/04/18 08:50	05/04/18 15:24	EPA 3005A	1,6020A	AM
Calcium, Dissolved	135.		mg/l	0.100	0.0394	1	05/04/18 08:50	05/04/18 15:24	EPA 3005A	1,6020A	AM
Chromium, Dissolved	0.00327		mg/l	0.00100	0.00017	1	05/04/18 08:50	05/04/18 15:24	EPA 3005A	1,6020A	AM
Cobalt, Dissolved	0.00066		mg/l	0.00050	0.00016	1	05/04/18 08:50	05/04/18 15:24	EPA 3005A	1,6020A	AM
Copper, Dissolved	0.00141		mg/l	0.00100	0.00038	1	05/04/18 08:50	05/04/18 15:24	EPA 3005A	1,6020A	AM
Iron, Dissolved	ND		mg/l	0.0500	0.0191	1	05/04/18 08:50	05/04/18 15:24	EPA 3005A	1,6020A	AM
Lead, Dissolved	0.00171		mg/l	0.00100	0.00034	1	05/04/18 08:50	05/04/18 15:24	EPA 3005A	1,6020A	AM
Magnesium, Dissolved	12.1		mg/l	0.0700	0.0242	1	05/04/18 08:50	05/04/18 15:24	EPA 3005A	1,6020A	AM
Manganese, Dissolved	0.08581		mg/l	0.00100	0.00044	1	05/04/18 08:50	05/04/18 15:24	EPA 3005A	1,6020A	AM
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	05/03/18 14:59	05/03/18 18:50	EPA 7470A	1,7470A	MG
Nickel, Dissolved	0.00098	J	mg/l	0.00200	0.00055	1	05/04/18 08:50	05/04/18 15:24	EPA 3005A	1,6020A	AM
Potassium, Dissolved	4.28		mg/l	0.100	0.0309	1	05/04/18 08:50	05/04/18 15:24	EPA 3005A	1,6020A	AM
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	05/04/18 08:50	05/04/18 15:24	EPA 3005A	1,6020A	AM
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	05/04/18 08:50	05/04/18 15:24	EPA 3005A	1,6020A	AM
Sodium, Dissolved	23.0		mg/l	0.100	0.0293	1	05/04/18 08:50	05/04/18 15:24	EPA 3005A	1,6020A	AM
Thallium, Dissolved	ND		mg/l	0.00050	0.00014	1	05/04/18 08:50	05/04/18 15:24	EPA 3005A	1,6020A	AM
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	05/04/18 08:50	05/04/18 15:24	EPA 3005A	1,6020A	AM
Zinc, Dissolved	0.00765	J	mg/l	0.01000	0.00341	1	05/04/18 08:50	05/04/18 15:24	EPA 3005A	1,6020A	AM

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815645
Report Date: 05/09/18

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 09-11 Batch: WG1112265-1										
Mercury, Total	ND		mg/l	0.00020	0.00006	1	05/03/18 11:51	05/03/18 17:17	1,7470A	MG

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab for sample(s): 09-11 Batch: WG1112321-1										
Aluminum, Dissolved	ND		mg/l	0.0100	0.00327	1	05/04/18 08:50	05/04/18 13:58	1,6020A	AM
Antimony, Dissolved	0.00132	J	mg/l	0.00400	0.00042	1	05/04/18 08:50	05/04/18 13:58	1,6020A	AM
Arsenic, Dissolved	ND		mg/l	0.00050	0.00016	1	05/04/18 08:50	05/04/18 13:58	1,6020A	AM
Barium, Dissolved	ND		mg/l	0.00050	0.00017	1	05/04/18 08:50	05/04/18 13:58	1,6020A	AM
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	05/04/18 08:50	05/04/18 13:58	1,6020A	AM
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	05/04/18 08:50	05/04/18 13:58	1,6020A	AM
Calcium, Dissolved	ND		mg/l	0.100	0.0394	1	05/04/18 08:50	05/04/18 13:58	1,6020A	AM
Chromium, Dissolved	ND		mg/l	0.00100	0.00017	1	05/04/18 08:50	05/04/18 13:58	1,6020A	AM
Cobalt, Dissolved	ND		mg/l	0.00050	0.00016	1	05/04/18 08:50	05/04/18 13:58	1,6020A	AM
Copper, Dissolved	ND		mg/l	0.00100	0.00038	1	05/04/18 08:50	05/04/18 13:58	1,6020A	AM
Iron, Dissolved	0.0228	J	mg/l	0.0500	0.0191	1	05/04/18 08:50	05/04/18 13:58	1,6020A	AM
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	05/04/18 08:50	05/04/18 13:58	1,6020A	AM
Magnesium, Dissolved	ND		mg/l	0.0700	0.0242	1	05/04/18 08:50	05/04/18 13:58	1,6020A	AM
Manganese, Dissolved	ND		mg/l	0.00100	0.00044	1	05/04/18 08:50	05/04/18 13:58	1,6020A	AM
Nickel, Dissolved	ND		mg/l	0.00200	0.00055	1	05/04/18 08:50	05/04/18 13:58	1,6020A	AM
Potassium, Dissolved	ND		mg/l	0.100	0.0309	1	05/04/18 08:50	05/04/18 13:58	1,6020A	AM
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	05/04/18 08:50	05/04/18 13:58	1,6020A	AM
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	05/04/18 08:50	05/04/18 13:58	1,6020A	AM
Sodium, Dissolved	ND		mg/l	0.100	0.0293	1	05/04/18 08:50	05/04/18 13:58	1,6020A	AM
Thallium, Dissolved	ND		mg/l	0.00050	0.00014	1	05/04/18 08:50	05/04/18 13:58	1,6020A	AM
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	05/04/18 08:50	05/04/18 13:58	1,6020A	AM
Zinc, Dissolved	ND		mg/l	0.01000	0.00341	1	05/04/18 08:50	05/04/18 13:58	1,6020A	AM

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815645
Report Date: 05/09/18

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab for sample(s): 09-11 Batch: WG1112336-1										
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	05/03/18 14:59	05/03/18 18:40	1,7470A	MG

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01,03,05,07 Batch: WG1112388-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	05/03/18 18:52	05/03/18 22:44	1,6010C	MC
Antimony, Total	ND		mg/kg	2.00	0.152	1	05/03/18 18:52	05/03/18 22:44	1,6010C	MC
Arsenic, Total	ND		mg/kg	0.400	0.083	1	05/03/18 18:52	05/03/18 22:44	1,6010C	MC
Barium, Total	ND		mg/kg	0.400	0.070	1	05/03/18 18:52	05/03/18 22:44	1,6010C	MC
Beryllium, Total	ND		mg/kg	0.200	0.013	1	05/03/18 18:52	05/03/18 22:44	1,6010C	MC
Cadmium, Total	ND		mg/kg	0.400	0.039	1	05/03/18 18:52	05/03/18 22:44	1,6010C	MC
Calcium, Total	ND		mg/kg	4.00	1.40	1	05/03/18 18:52	05/03/18 22:44	1,6010C	MC
Chromium, Total	ND		mg/kg	0.400	0.038	1	05/03/18 18:52	05/03/18 22:44	1,6010C	MC
Cobalt, Total	ND		mg/kg	0.800	0.066	1	05/03/18 18:52	05/03/18 22:44	1,6010C	MC
Copper, Total	ND		mg/kg	0.400	0.103	1	05/03/18 18:52	05/03/18 22:44	1,6010C	MC
Iron, Total	1.65	J	mg/kg	2.00	0.361	1	05/03/18 18:52	05/03/18 22:44	1,6010C	MC
Lead, Total	ND		mg/kg	2.00	0.107	1	05/03/18 18:52	05/03/18 22:44	1,6010C	MC
Magnesium, Total	ND		mg/kg	4.00	0.616	1	05/03/18 18:52	05/03/18 22:44	1,6010C	MC
Manganese, Total	0.148	J	mg/kg	0.400	0.064	1	05/03/18 18:52	05/03/18 22:44	1,6010C	MC
Nickel, Total	ND		mg/kg	1.00	0.097	1	05/03/18 18:52	05/03/18 22:44	1,6010C	MC
Potassium, Total	ND		mg/kg	100	5.76	1	05/03/18 18:52	05/03/18 22:44	1,6010C	MC
Selenium, Total	ND		mg/kg	0.800	0.103	1	05/03/18 18:52	05/03/18 22:44	1,6010C	MC
Silver, Total	ND		mg/kg	0.400	0.113	1	05/03/18 18:52	05/03/18 22:44	1,6010C	MC
Sodium, Total	4.03	J	mg/kg	80.0	1.26	1	05/03/18 18:52	05/03/18 22:44	1,6010C	MC
Thallium, Total	ND		mg/kg	0.800	0.126	1	05/03/18 18:52	05/03/18 22:44	1,6010C	MC
Vanadium, Total	ND		mg/kg	0.400	0.081	1	05/03/18 18:52	05/03/18 22:44	1,6010C	MC

Project Name: SENDERO VERDE **Lab Number:** L1815645

Project Number: 2984.0001Y000 **Report Date:** 05/09/18

Method Blank Analysis
Batch Quality Control

Zinc, Total	ND		mg/kg	2.00	0.117	1	05/03/18 18:52	05/03/18 22:44	1,6010C	MC

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01,03,05,07 Batch: WG1112501-1										
Mercury, Total	ND		mg/kg	0.083	0.018	1	05/04/18 07:20	05/04/18 11:11	1,7471B	MG

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 09-11 Batch: WG1112539-1										
Aluminum, Total	ND		mg/l	0.0100	0.00327	1	05/04/18 08:20	05/07/18 13:08	1,6020A	AM
Antimony, Total	0.00085	J	mg/l	0.00400	0.00042	1	05/04/18 08:20	05/07/18 13:08	1,6020A	AM
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	05/04/18 08:20	05/07/18 13:08	1,6020A	AM
Barium, Total	ND		mg/l	0.00050	0.00017	1	05/04/18 08:20	05/07/18 13:08	1,6020A	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	05/04/18 08:20	05/07/18 13:08	1,6020A	AM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	05/04/18 08:20	05/07/18 13:08	1,6020A	AM
Calcium, Total	ND		mg/l	0.100	0.0394	1	05/04/18 08:20	05/07/18 13:08	1,6020A	AM
Chromium, Total	ND		mg/l	0.00100	0.00017	1	05/04/18 08:20	05/07/18 13:08	1,6020A	AM
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	05/04/18 08:20	05/07/18 13:08	1,6020A	AM
Copper, Total	ND		mg/l	0.00150	0.00038	1	05/04/18 08:20	05/07/18 13:08	1,6020A	AM
Iron, Total	ND		mg/l	0.0500	0.0191	1	05/04/18 08:20	05/07/18 13:08	1,6020A	AM
Lead, Total	ND		mg/l	0.00100	0.00034	1	05/04/18 08:20	05/07/18 13:08	1,6020A	AM
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	05/04/18 08:20	05/07/18 13:08	1,6020A	AM
Manganese, Total	ND		mg/l	0.00100	0.00044	1	05/04/18 08:20	05/07/18 13:08	1,6020A	AM
Nickel, Total	ND		mg/l	0.00200	0.00055	1	05/04/18 08:20	05/07/18 13:08	1,6020A	AM
Potassium, Total	ND		mg/l	0.100	0.0309	1	05/04/18 08:20	05/07/18 13:08	1,6020A	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	05/04/18 08:20	05/07/18 13:08	1,6020A	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	05/04/18 08:20	05/07/18 13:08	1,6020A	AM
Sodium, Total	ND		mg/l	0.100	0.0293	1	05/04/18 08:20	05/07/18 13:08	1,6020A	AM

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815645
Report Date: 05/09/18

Method Blank Analysis
Batch Quality Control

Thallium, Total	ND	mg/l	0.00050	0.00014	1	05/04/18 08:20	05/07/18 13:08	1,6020A	AM
Vanadium, Total	ND	mg/l	0.00500	0.00157	1	05/04/18 08:20	05/07/18 13:08	1,6020A	AM
Zinc, Total	ND	mg/l	0.01000	0.00341	1	05/04/18 08:20	05/07/18 13:08	1,6020A	AM

Prep Information

Digestion Method: EPA 3005A

Lab Control Sample Analysis

Batch Quality Control

Project Name: SENDERO VERDE

Project Number: 2984.0001Y000

Lab Number: L1815645

Report Date: 05/09/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 09-11 Batch: WG1112265-2								
Mercury, Total	81		-		80-120	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: SENDERO VERDE

Project Number: 2984.0001Y000

Lab Number: L1815645

Report Date: 05/09/18

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 09-11 Batch: WG1112321-2					
Aluminum, Dissolved	98	-	80-120	-	
Antimony, Dissolved	100	-	80-120	-	
Arsenic, Dissolved	105	-	80-120	-	
Barium, Dissolved	100	-	80-120	-	
Beryllium, Dissolved	103	-	80-120	-	
Cadmium, Dissolved	105	-	80-120	-	
Calcium, Dissolved	100	-	80-120	-	
Chromium, Dissolved	96	-	80-120	-	
Cobalt, Dissolved	97	-	80-120	-	
Copper, Dissolved	95	-	80-120	-	
Iron, Dissolved	104	-	80-120	-	
Lead, Dissolved	106	-	80-120	-	
Magnesium, Dissolved	98	-	80-120	-	
Manganese, Dissolved	97	-	80-120	-	
Nickel, Dissolved	98	-	80-120	-	
Potassium, Dissolved	96	-	80-120	-	
Selenium, Dissolved	99	-	80-120	-	
Silver, Dissolved	107	-	80-120	-	
Sodium, Dissolved	95	-	80-120	-	
Thallium, Dissolved	101	-	80-120	-	
Vanadium, Dissolved	96	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: SENDERO VERDE

Project Number: 2984.0001Y000

Lab Number: L1815645

Report Date: 05/09/18

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 09-11 Batch: WG1112321-2					
Zinc, Dissolved	100	-	80-120	-	
Dissolved Metals - Mansfield Lab Associated sample(s): 09-11 Batch: WG1112336-2					
Mercury, Dissolved	88	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: SENDERO VERDE

Project Number: 2984.0001Y000

Lab Number: L1815645

Report Date: 05/09/18

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01,03,05,07 Batch: WG1112388-2 SRM Lot Number: D098-540					
Aluminum, Total	60	-	47-153	-	
Antimony, Total	147	-	6-194	-	
Arsenic, Total	89	-	83-117	-	
Barium, Total	88	-	82-118	-	
Beryllium, Total	85	-	83-117	-	
Cadmium, Total	85	-	82-117	-	
Calcium, Total	85	-	81-118	-	
Chromium, Total	86	-	83-119	-	
Cobalt, Total	87	-	84-116	-	
Copper, Total	86	-	84-116	-	
Iron, Total	74	-	60-140	-	
Lead, Total	87	-	82-117	-	
Magnesium, Total	79	-	76-124	-	
Manganese, Total	85	-	82-118	-	
Nickel, Total	84	-	82-117	-	
Potassium, Total	72	-	69-131	-	
Selenium, Total	92	-	78-121	-	
Silver, Total	88	-	80-120	-	
Sodium, Total	88	-	74-126	-	
Thallium, Total	82	-	80-119	-	
Vanadium, Total	81	-	79-121	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: SENDERO VERDE

Project Number: 2984.0001Y000

Lab Number: L1815645

Report Date: 05/09/18

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01,03,05,07 Batch: WG1112388-2 SRM Lot Number: D098-540					
Zinc, Total	83	-	81-119	-	
Total Metals - Mansfield Lab Associated sample(s): 01,03,05,07 Batch: WG1112501-2 SRM Lot Number: D098-540					
Mercury, Total	94	-	50-149	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: SENDERO VERDE

Project Number: 2984.0001Y000

Lab Number: L1815645

Report Date: 05/09/18

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 09-11 Batch: WG1112539-2					
Aluminum, Total	120	-	80-120	-	
Antimony, Total	111	-	80-120	-	
Arsenic, Total	110	-	80-120	-	
Barium, Total	106	-	80-120	-	
Beryllium, Total	107	-	80-120	-	
Cadmium, Total	116	-	80-120	-	
Calcium, Total	98	-	80-120	-	
Chromium, Total	99	-	80-120	-	
Cobalt, Total	101	-	80-120	-	
Copper, Total	95	-	80-120	-	
Iron, Total	110	-	80-120	-	
Lead, Total	114	-	80-120	-	
Magnesium, Total	105	-	80-120	-	
Manganese, Total	102	-	80-120	-	
Nickel, Total	101	-	80-120	-	
Potassium, Total	104	-	80-120	-	
Selenium, Total	113	-	80-120	-	
Silver, Total	101	-	80-120	-	
Sodium, Total	102	-	80-120	-	
Thallium, Total	103	-	80-120	-	
Vanadium, Total	101	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: SENDERO VERDE

Project Number: 2984.0001Y000

Lab Number: L1815645

Report Date: 05/09/18

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 09-11 Batch: WG1112539-2					
Zinc, Total	107	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815645
Report Date: 05/09/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 09-11 QC Batch ID: WG1112265-3 QC Sample: L1815645-09 Client ID: SB-10/GW												
Mercury, Total	0.00013J	0.005	0.00451	90		-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815645
Report Date: 05/09/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery		Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 09-11 QC Batch ID: WG1112321-3 WG1112321-4 QC Sample: L1815531-08 Client ID: MS Sample											
Aluminum, Dissolved	ND	2	2.12	106		2.13	106		75-125	0	20
Antimony, Dissolved	0.0021J	0.5	0.5635	113		0.5649	113		75-125	0	20
Arsenic, Dissolved	0.0007	0.12	0.1279	106		0.1307	108		75-125	2	20
Barium, Dissolved	0.4803	2	2.549	103		2.572	104		75-125	1	20
Beryllium, Dissolved	ND	0.05	0.05248	105		0.05358	107		75-125	2	20
Cadmium, Dissolved	ND	0.051	0.05395	106		0.05578	109		75-125	3	20
Calcium, Dissolved	185.	10	185	**0**	Q	182	**0**	Q	75-125	2	20
Chromium, Dissolved	ND	0.2	0.2012	101		0.2020	101		75-125	0	20
Cobalt, Dissolved	ND	0.5	0.4946	99		0.4973	99		75-125	1	20
Copper, Dissolved	ND	0.25	0.2394	96		0.2502	100		75-125	4	20
Iron, Dissolved	ND	1	1.09	109		1.07	107		75-125	2	20
Lead, Dissolved	ND	0.51	0.5755	113		0.5686	111		75-125	1	20
Magnesium, Dissolved	71.6	10	93.2	**216**	Q	94.8	**232**	Q	75-125	2	20
Manganese, Dissolved	0.2894	0.5	0.7989	102		0.7880	100		75-125	1	20
Nickel, Dissolved	ND	0.5	0.4948	99		0.4977	100		75-125	1	20
Potassium, Dissolved	7.67	10	18.4	107		18.0	103		75-125	2	20
Selenium, Dissolved	ND	0.12	0.124	103		0.122	102		75-125	2	20
Silver, Dissolved	ND	0.05	0.05554	111		0.05658	113		75-125	2	20
Sodium, Dissolved	928.	10	879	**0**	Q	881	**0**	Q	75-125	0	20
Thallium, Dissolved	ND	0.12	0.1261	105		0.1274	106		75-125	1	20
Vanadium, Dissolved	ND	0.5	0.5126	102		0.5128	102		75-125	0	20

Matrix Spike Analysis
Batch Quality Control

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815645
Report Date: 05/09/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 09-11 QC Batch ID: WG1112321-3 WG1112321-4 QC Sample: L1815531-08 Client ID: MS Sample									
Zinc, Dissolved	ND	0.5	0.4865	97	0.4893	98	75-125	1	20
Dissolved Metals - Mansfield Lab Associated sample(s): 09-11 QC Batch ID: WG1112336-3 QC Sample: L1815645-09 Client ID: SB-10/GW									
Mercury, Dissolved	ND	0.005	0.00438	88	-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815645
Report Date: 05/09/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery		Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01,03,05,07 QC Batch ID: WG1112388-3 WG1112388-4 QC Sample: L1815462-05 Client ID: MS Sample											
Aluminum, Total	13600	562	17000	**604**	Q	18100	**782**	Q	75-125	6	20
Antimony, Total	2.11J	140	118	84		123	86		75-125	4	20
Arsenic, Total	32.3	33.7	64.6	96		67.4	102		75-125	4	20
Barium, Total	130.	562	595	83		625	86		75-125	5	20
Beryllium, Total	1.52	14	12.4	77		13.1	80		75-125	5	20
Cadmium, Total	1.28J	14.3	12.8	89		13.3	91		75-125	4	20
Calcium, Total	2760	2810	5310	91		5520	96		75-125	4	20
Chromium, Total	110.	56.2	164	96		170	104		75-125	4	20
Cobalt, Total	17.2	140	122	**74**	Q	127	76		75-125	4	20
Copper, Total	331.	70.3	423	**131**	Q	429	**136**	Q	75-125	1	20
Iron, Total	26700	281	29200	**889**	Q	30200	**1220**	Q	75-125	3	20
Lead, Total	187.	143	308	84		318	89		75-125	3	20
Magnesium, Total	3320	2810	5600	81		5910	90		75-125	5	20
Manganese, Total	290.	140	415	89		432	99		75-125	4	20
Nickel, Total	41.5	140	147	75		152	77		75-125	3	20
Potassium, Total	1480	2810	3990	89		4170	94		75-125	4	20
Selenium, Total	3.56	33.7	33.0	87		34.1	88		75-125	3	20
Silver, Total	1.32J	84.4	79.5	94		83.3	96		75-125	5	20
Sodium, Total	137.J	2810	2570	91		2680	93		75-125	4	20
Thallium, Total	ND	33.7	23.4	**69**	Q	24.4	**71**	Q	75-125	4	20
Vanadium, Total	96.4	140	220	88		229	92		75-125	4	20

Matrix Spike Analysis
Batch Quality Control

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815645
Report Date: 05/09/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01,03,05,07 QC Batch ID: WG1112388-3 WG1112388-4 QC Sample: L1815462-05 Client ID: MS Sample										
Zinc, Total	495.	140	636	100		658	113	75-125	3	20
Total Metals - Mansfield Lab Associated sample(s): 01,03,05,07 QC Batch ID: WG1112501-3 QC Sample: L1815667-01 Client ID: MS Sample										
Mercury, Total	0.047J	0.139	0.217	**156**	Q	-	-	80-120	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815645
Report Date: 05/09/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 09-11 QC Batch ID: WG1112539-3 QC Sample: L1815780-01 Client ID: MS Sample										
Aluminum, Total	0.0363	2	2.07	102		-	-	75-125	-	20
Antimony, Total	0.00079J	0.5	0.6375	**128**	Q	-	-	75-125	-	20
Arsenic, Total	0.00028J	0.12	0.1300	108		-	-	75-125	-	20
Barium, Total	0.03337	2	2.081	102		-	-	75-125	-	20
Beryllium, Total	ND	0.05	0.05393	108		-	-	75-125	-	20
Cadmium, Total	0.00025	0.051	0.05806	113		-	-	75-125	-	20
Calcium, Total	62.9	10	70.4	75		-	-	75-125	-	20
Chromium, Total	0.00029J	0.2	0.1970	98		-	-	75-125	-	20
Cobalt, Total	ND	0.5	0.4874	97		-	-	75-125	-	20
Copper, Total	0.00087J	0.25	0.2319	93		-	-	75-125	-	20
Iron, Total	0.128	1	1.06	93		-	-	75-125	-	20
Lead, Total	ND	0.51	0.5502	108		-	-	75-125	-	20
Magnesium, Total	3.19	10	13.6	104		-	-	75-125	-	20
Manganese, Total	1.029	0.5	1.442	83		-	-	75-125	-	20
Nickel, Total	0.00056J	0.5	0.4848	97		-	-	75-125	-	20
Potassium, Total	0.529	10	10.6	101		-	-	75-125	-	20
Selenium, Total	ND	0.12	0.128	107		-	-	75-125	-	20
Silver, Total	ND	0.05	0.04889	98		-	-	75-125	-	20
Sodium, Total	0.635	10	9.78	91		-	-	75-125	-	20
Thallium, Total	ND	0.12	0.1148	96		-	-	75-125	-	20
Vanadium, Total	ND	0.5	0.4727	94		-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815645
Report Date: 05/09/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 09-11 QC Batch ID: WG1112539-3 QC Sample: L1815780-01 Client ID: MS Sample									
Zinc, Total	0.00815J	0.5	0.5473	109	-	-	75-125	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815645
Report Date: 05/09/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 09-11 QC Batch ID: WG1112265-4 QC Sample: L1815645-09 Client ID: SB-10/GW						
Mercury, Total	0.00013J	0.00018J	mg/l	NC		20
Dissolved Metals - Mansfield Lab Associated sample(s): 09-11 QC Batch ID: WG1112336-4 QC Sample: L1815645-09 Client ID: SB-10/GW						
Mercury, Dissolved	ND	ND	mg/l	NC		20
Total Metals - Mansfield Lab Associated sample(s): 01,03,05,07 QC Batch ID: WG1112501-4 QC Sample: L1815667-01 Client ID: DUP Sample						
Mercury, Total	0.047J	0.049J	mg/kg	NC		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815645
Report Date: 05/09/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 09-11 QC Batch ID: WG1112539-4 QC Sample: L1815780-01 Client ID: DUP Sample					
Aluminum, Total	0.0363	0.0382	mg/l	5	20
Antimony, Total	0.00079J	0.00145J	mg/l	NC	20
Arsenic, Total	0.00028J	0.00028J	mg/l	NC	20
Barium, Total	0.03337	0.03483	mg/l	4	20
Beryllium, Total	ND	ND	mg/l	NC	20
Cadmium, Total	0.00025	0.00026	mg/l	4	20
Calcium, Total	62.9	66.4	mg/l	5	20
Chromium, Total	0.00029J	0.00037J	mg/l	NC	20
Cobalt, Total	ND	ND	mg/l	NC	20
Copper, Total	0.00087J	0.00142J	mg/l	NC	20
Iron, Total	0.128	0.127	mg/l	1	20
Lead, Total	ND	ND	mg/l	NC	20
Magnesium, Total	3.19	3.40	mg/l	6	20
Manganese, Total	1.029	1.020	mg/l	1	20
Nickel, Total	0.00056J	0.00065J	mg/l	NC	20
Potassium, Total	0.529	0.554	mg/l	5	20
Selenium, Total	ND	ND	mg/l	NC	20
Silver, Total	ND	ND	mg/l	NC	20
Sodium, Total	0.635	0.698	mg/l	9	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815645
Report Date: 05/09/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 09-11 QC Batch ID: WG1112539-4 QC Sample: L1815780-01 Client ID: DUP Sample					
Thallium, Total	ND	ND	mg/l	NC	20
Vanadium, Total	ND	ND	mg/l	NC	20
Zinc, Total	0.00815J	0.00782J	mg/l	NC	20

INORGANICS
&
MISCELLANEOUS

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815645
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815645-01
Client ID: SB-2 (17.5-19.5)
Sample Location: EAST HARLEM, NY

Date Collected: 05/02/18 08:50
Date Received: 05/02/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	81.4		%	0.100	NA	1	-	05/03/18 09:49	121,2540G	RI

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815645
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815645-02
Client ID: SB-2 (19)
Sample Location: EAST HARLEM, NY

Date Collected: 05/02/18 08:50
Date Received: 05/02/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	81.4		%	0.100	NA	1	-	05/03/18 09:49	121,2540G	RI

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815645
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815645-03
Client ID: SB-1 (12-14)
Sample Location: EAST HARLEM, NY

Date Collected: 05/02/18 11:00
Date Received: 05/02/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.2		%	0.100	NA	1	-	05/03/18 09:49	121,2540G	RI

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815645
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815645-04
Client ID: SB-1 (13)
Sample Location: EAST HARLEM, NY

Date Collected: 05/02/18 11:00
Date Received: 05/02/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.2		%	0.100	NA	1	-	05/03/18 09:49	121,2540G	RI

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815645
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815645-05
Client ID: SB-5 (18-20)
Sample Location: EAST HARLEM, NY

Date Collected: 05/02/18 13:00
Date Received: 05/02/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	82.6		%	0.100	NA	1	-	05/03/18 09:49	121,2540G	RI

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815645
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815645-06
Client ID: SB-5 (19)
Sample Location: EAST HARLEM, NY

Date Collected: 05/02/18 13:00
Date Received: 05/02/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	82.6		%	0.100	NA	1	-	05/03/18 09:49	121,2540G	RI

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815645
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815645-07
Client ID: SB-6 (17-19)
Sample Location: EAST HARLEM, NY

Date Collected: 05/02/18 14:30
Date Received: 05/02/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	82.4		%	0.100	NA	1	-	05/03/18 09:49	121,2540G	RI

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815645
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815645-08
Client ID: SB-6 (18)
Sample Location: EAST HARLEM, NY

Date Collected: 05/02/18 14:30
Date Received: 05/02/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	82.4		%	0.100	NA	1	-	05/03/18 09:49	121,2540G	RI

Lab Duplicate Analysis
Batch Quality Control

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815645
Report Date: 05/09/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG1112181-1 QC Sample: L1815610-01 Client ID: DUP Sample						
Solids, Total	85.0	85.2	%	0		20

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815645
Report Date: 05/09/18

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent
B	Absent
C	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1815645-01A	Plastic 2oz unpreserved for TS	B	NA		2.6	Y	Absent		TS(7)
L1815645-01B	Metals Only-Glass 60mL/2oz unpreserved	B	NA		2.6	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1815645-01C	Glass 250ml/8oz unpreserved	B	NA		2.6	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)
L1815645-02A	5 gram Encore Sampler	B	NA		2.6	Y	Absent		NYTCL-8260HLW(14)
L1815645-02B	5 gram Encore Sampler	B	NA		2.6	Y	Absent		NYTCL-8260HLW(14)
L1815645-02C	5 gram Encore Sampler	B	NA		2.6	Y	Absent		NYTCL-8260HLW(14)
L1815645-02X	Vial MeOH preserved split	B	NA		2.6	Y	Absent		NYTCL-8260HLW(14)
L1815645-02Y	Vial Water preserved split	B	NA		2.6	Y	Absent	03-MAY-18 11:35	NYTCL-8260HLW(14)
L1815645-02Z	Vial Water preserved split	B	NA		2.6	Y	Absent	03-MAY-18 11:35	NYTCL-8260HLW(14)
L1815645-03A	Plastic 2oz unpreserved for TS	C	NA		2.3	Y	Absent		TS(7)
L1815645-03B	Metals Only-Glass 60mL/2oz unpreserved	C	NA		2.3	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1815645-03C	Glass 250ml/8oz unpreserved	C	NA		2.3	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)
L1815645-04A	5 gram Encore Sampler	C	NA		2.3	Y	Absent		NYTCL-8260HLW(14)
L1815645-04B	5 gram Encore Sampler	C	NA		2.3	Y	Absent		NYTCL-8260HLW(14)
L1815645-04C	5 gram Encore Sampler	C	NA		2.3	Y	Absent		NYTCL-8260HLW(14)

*Values in parentheses indicate holding time in days

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815645
Report Date: 05/09/18

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1815645-04X	Vial MeOH preserved split	C	NA		2.3	Y	Absent		NYTCL-8260HLW(14)
L1815645-04Y	Vial Water preserved split	C	NA		2.3	Y	Absent	03-MAY-18 11:35	NYTCL-8260HLW(14)
L1815645-04Z	Vial Water preserved split	C	NA		2.3	Y	Absent	03-MAY-18 11:35	NYTCL-8260HLW(14)
L1815645-05A	Plastic 2oz unpreserved for TS	C	NA		2.3	Y	Absent		TS(7)
L1815645-05B	Metals Only-Glass 60mL/2oz unpreserved	C	NA		2.3	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1815645-05C	Glass 250ml/8oz unpreserved	C	NA		2.3	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)
L1815645-06A	5 gram Encore Sampler	C	NA		2.3	Y	Absent		NYTCL-8260HLW(14)
L1815645-06B	5 gram Encore Sampler	C	NA		2.3	Y	Absent		NYTCL-8260HLW(14)
L1815645-06C	5 gram Encore Sampler	C	NA		2.3	Y	Absent		NYTCL-8260HLW(14)
L1815645-06X	Vial MeOH preserved split	C	NA		2.3	Y	Absent		NYTCL-8260HLW(14)
L1815645-06Y	Vial Water preserved split	C	NA		2.3	Y	Absent	03-MAY-18 11:35	NYTCL-8260HLW(14)
L1815645-06Z	Vial Water preserved split	C	NA		2.3	Y	Absent	03-MAY-18 11:35	NYTCL-8260HLW(14)
L1815645-07A	Plastic 2oz unpreserved for TS	A	NA		4.8	Y	Absent		TS(7)
L1815645-07B	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.8	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1815645-07C	Glass 250ml/8oz unpreserved	A	NA		4.8	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)
L1815645-08A	5 gram Encore Sampler	A	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L1815645-08B	5 gram Encore Sampler	A	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L1815645-08C	5 gram Encore Sampler	A	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L1815645-08X	Vial MeOH preserved split	A	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L1815645-08Y	Vial Water preserved split	A	NA		4.8	Y	Absent	03-MAY-18 11:35	NYTCL-8260HLW(14)
L1815645-08Z	Vial Water preserved split	A	NA		4.8	Y	Absent	03-MAY-18 11:35	NYTCL-8260HLW(14)
L1815645-09A	Vial HCl preserved	C	NA		2.3	Y	Absent		NYTCL-8260(14)
L1815645-09B	Vial HCl preserved	C	NA		2.3	Y	Absent		NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815645
Report Date: 05/09/18

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1815645-09C	Vial HCl preserved	C	NA		2.3	Y	Absent		NYTCL-8260(14)
L1815645-09D	Plastic 250ml unpreserved	C	7	7	2.3	Y	Absent		-
L1815645-09E	Plastic 250ml HNO3 preserved	C	<2	<2	2.3	Y	Absent		BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1815645-09F	Amber 120ml unpreserved	C	7	7	2.3	Y	Absent		NYTCL-8081(7)
L1815645-09G	Amber 120ml unpreserved	C	7	7	2.3	Y	Absent		NYTCL-8081(7)
L1815645-09H	Amber 120ml unpreserved	C	7	7	2.3	Y	Absent		-
L1815645-09I	Amber 120ml unpreserved	C	7	7	2.3	Y	Absent		-
L1815645-09J	Amber 1000ml unpreserved	C	7	7	2.3	Y	Absent		NYTCL-8082-1200ML(7)
L1815645-09K	Amber 1000ml unpreserved	C	7	7	2.3	Y	Absent		-
L1815645-09L	Amber 1000ml unpreserved	C	7	7	2.3	Y	Absent		NYTCL-8082-1200ML(7)
L1815645-09M	Amber 1000ml unpreserved	C	7	7	2.3	Y	Absent		-
L1815645-09N	Amber 1000ml unpreserved	C	7	7	2.3	Y	Absent		NYTCL-8270(7),NYTCL-8270-SIM(7)
L1815645-09O	Amber 1000ml unpreserved	C	7	7	2.3	Y	Absent		NYTCL-8270(7),NYTCL-8270-SIM(7)
L1815645-09P	Amber 1000ml unpreserved	C	7	7	2.3	Y	Absent		-
L1815645-09Q	Amber 1000ml unpreserved	C	7	7	2.3	Y	Absent		-
L1815645-09X	Plastic 250ml HNO3 preserved Filtrates	C	NA		2.3	Y	Absent		CU-6020S(180),K-6020S(180),SE-6020S(180),V-6020S(180),MN-6020S(180),BE-6020S(180),CO-6020S(180),MG-6020S(180),ZN-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),BA-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)
L1815645-10A	Vial HCl preserved	B	NA		2.6	Y	Absent		NYTCL-8260(14)
L1815645-10B	Vial HCl preserved	B	NA		2.6	Y	Absent		NYTCL-8260(14)
L1815645-10C	Vial HCl preserved	B	NA		2.6	Y	Absent		NYTCL-8260(14)
L1815645-10D	Plastic 250ml unpreserved	B	7	7	2.6	Y	Absent		-

*Values in parentheses indicate holding time in days

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815645
Report Date: 05/09/18

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1815645-10E	Plastic 250ml HNO3 preserved	B	<2	<2	2.6	Y	Absent		BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1815645-10F	Amber 120ml unpreserved	B	7	7	2.6	Y	Absent		NYTCL-8081(7)
L1815645-10G	Amber 120ml unpreserved	B	7	7	2.6	Y	Absent		NYTCL-8081(7)
L1815645-10H	Amber 120ml unpreserved	B	7	7	2.6	Y	Absent		-
L1815645-10I	Amber 120ml unpreserved	B	7	7	2.6	Y	Absent		-
L1815645-10J	Amber 1000ml unpreserved	B	7	7	2.6	Y	Absent		NYTCL-8082-1200ML(7)
L1815645-10K	Amber 1000ml unpreserved	B	7	7	2.6	Y	Absent		-
L1815645-10L	Amber 1000ml unpreserved	B	7	7	2.6	Y	Absent		-
L1815645-10M	Amber 1000ml unpreserved	B	7	7	2.6	Y	Absent		NYTCL-8270(7)
L1815645-10N	Amber 1000ml unpreserved	B	7	7	2.6	Y	Absent		NYTCL-8270-SIM(7),NYTCL-8082-1200ML(7)
L1815645-10O	Amber 1000ml unpreserved	B	7	7	2.6	Y	Absent		-
L1815645-10P	Amber 1000ml unpreserved	B	7	7	2.6	Y	Absent		-
L1815645-10Q	Amber 1000ml unpreserved	B	7	7	2.6	Y	Absent		NYTCL-8270(7),NYTCL-8270-SIM(7)
L1815645-10X	Plastic 250ml HNO3 preserved Filtrates	B	NA		2.6	Y	Absent		CU-6020S(180),K-6020S(180),SE-6020S(180),V-6020S(180),MN-6020S(180),BE-6020S(180),CO-6020S(180),MG-6020S(180),ZN-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),BA-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)
L1815645-11A	Vial HCl preserved	A	NA		4.8	Y	Absent		NYTCL-8260(14)
L1815645-11B	Vial HCl preserved	A	NA		4.8	Y	Absent		NYTCL-8260(14)
L1815645-11C	Vial HCl preserved	A	NA		4.8	Y	Absent		NYTCL-8260(14)
L1815645-11D	Plastic 250ml unpreserved	A	7	7	4.8	Y	Absent		-

*Values in parentheses indicate holding time in days

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815645
Report Date: 05/09/18

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1815645-11E	Plastic 250ml HNO3 preserved	A	<2	<2	4.8	Y	Absent		BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1815645-11F	Amber 120ml unpreserved	A	7	7	4.8	Y	Absent		NYTCL-8081(7)
L1815645-11G	Amber 120ml unpreserved	A	7	7	4.8	Y	Absent		NYTCL-8081(7)
L1815645-11H	Amber 120ml unpreserved	A	7	7	4.8	Y	Absent		-
L1815645-11I	Amber 120ml unpreserved	A	7	7	4.8	Y	Absent		-
L1815645-11J	Amber 1000ml unpreserved	A	7	7	4.8	Y	Absent		NYTCL-8082-1200ML(7)
L1815645-11K	Amber 1000ml unpreserved	A	7	7	4.8	Y	Absent		-
L1815645-11L	Amber 1000ml unpreserved	A	7	7	4.8	Y	Absent		NYTCL-8082-1200ML(7)
L1815645-11M	Amber 1000ml unpreserved	A	7	7	4.8	Y	Absent		-
L1815645-11N	Amber 1000ml unpreserved	A	7	7	4.8	Y	Absent		NYTCL-8270(7),NYTCL-8270-SIM(7)
L1815645-11O	Amber 1000ml unpreserved	A	7	7	4.8	Y	Absent		NYTCL-8270(7),NYTCL-8270-SIM(7)
L1815645-11P	Amber 1000ml unpreserved	A	7	7	4.8	Y	Absent		-
L1815645-11Q	Amber 1000ml unpreserved	A	7	7	4.8	Y	Absent		-
L1815645-11X	Plastic 250ml HNO3 preserved Filtrates	A	NA		4.8	Y	Absent		CU-6020S(180),K-6020S(180),SE-6020S(180),V-6020S(180),MN-6020S(180),BE-6020S(180),CO-6020S(180),MG-6020S(180),ZN-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),BA-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)
L1815645-12A	Amber 120ml unpreserved	C	7	7	2.3	Y	Absent		FILTER-EXT(1)
L1815645-12B	Amber 120ml unpreserved	C	7	7	2.3	Y	Absent		FILTER-EXT(1)
L1815645-12C	Amber 1000ml unpreserved	C	7	7	2.3	Y	Absent		FILTER-EXT(1)
L1815645-12D	Amber 1000ml unpreserved	C	7	7	2.3	Y	Absent		FILTER-EXT(1)
L1815645-12E	Amber 1000ml unpreserved	C	7	7	2.3	Y	Absent		FILTER-EXT(1)
L1815645-12F	Amber 1000ml unpreserved	C	7	7	2.3	Y	Absent		FILTER-EXT(1)

*Values in parentheses indicate holding time in days

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815645
Report Date: 05/09/18

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1815645-12U	Amber 500ml unpreserved Filtrates	C	NA		2.3	Y	Absent		NYTCL-8081(7)
L1815645-12V	Amber 500ml unpreserved Filtrates	C	NA		2.3	Y	Absent		NYTCL-8081(7)
L1815645-12W	Amber 1000ml unpreserved Filtrates	C	NA		2.3	Y	Absent		NYTCL-8270(7),NYTCL-8270-SIM(7)
L1815645-12X	Amber 1000ml unpreserved Filtrates	C	NA		2.3	Y	Absent		NYTCL-8270(7),NYTCL-8270-SIM(7)
L1815645-12Y	Amber 1000ml unpreserved Filtrates	C	NA		2.3	Y	Absent		NYTCL-8082-1200ML(7)
L1815645-12Z	Amber 1000ml unpreserved Filtrates	C	NA		2.3	Y	Absent		NYTCL-8082-1200ML(7)
L1815645-13A	Amber 120ml unpreserved	B	7	7	2.6	Y	Absent		FILTER-EXT(1)
L1815645-13B	Amber 120ml unpreserved	B	7	7	2.6	Y	Absent		FILTER-EXT(1)
L1815645-13C	Amber 1000ml unpreserved	B	7	7	2.6	Y	Absent		FILTER-EXT(1)
L1815645-13D	Amber 1000ml unpreserved	B	7	7	2.6	Y	Absent		FILTER-EXT(1)
L1815645-13E	Amber 1000ml unpreserved	B	7	7	2.6	Y	Absent		FILTER-EXT(1)
L1815645-13F	Amber 1000ml unpreserved	B	7	7	2.6	Y	Absent		FILTER-EXT(1)
L1815645-13U	Amber 500ml unpreserved Filtrates	B	NA		2.6	Y	Absent		NYTCL-8081(7)
L1815645-13V	Amber 500ml unpreserved Filtrates	B	NA		2.6	Y	Absent		NYTCL-8081(7)
L1815645-13W	Amber 1000ml unpreserved Filtrates	B	NA		2.6	Y	Absent		NYTCL-8270(7),NYTCL-8270-SIM(7)
L1815645-13X	Amber 1000ml unpreserved Filtrates	B	NA		2.6	Y	Absent		NYTCL-8270(7),NYTCL-8270-SIM(7)
L1815645-13Y	Amber 1000ml unpreserved Filtrates	B	NA		2.6	Y	Absent		NYTCL-8082-1200ML(7)
L1815645-13Z	Amber 1000ml unpreserved Filtrates	B	NA		2.6	Y	Absent		NYTCL-8082-1200ML(7)
L1815645-14A	Amber 120ml unpreserved	A	7	7	4.8	Y	Absent		FILTER-EXT(1)
L1815645-14B	Amber 120ml unpreserved	A	7	7	4.8	Y	Absent		FILTER-EXT(1)
L1815645-14C	Amber 1000ml unpreserved	A	7	7	4.8	Y	Absent		FILTER-EXT(1)
L1815645-14D	Amber 1000ml unpreserved	A	7	7	4.8	Y	Absent		FILTER-EXT(1)
L1815645-14E	Amber 1000ml unpreserved	A	7	7	4.8	Y	Absent		FILTER-EXT(1)
L1815645-14F	Amber 1000ml unpreserved	A	7	7	4.8	Y	Absent		FILTER-EXT(1)
L1815645-14U	Amber 500ml unpreserved Filtrates	A	NA		4.8	Y	Absent		NYTCL-8081(7)
L1815645-14V	Amber 500ml unpreserved Filtrates	A	NA		4.8	Y	Absent		NYTCL-8081(7)
L1815645-14W	Amber 1000ml unpreserved Filtrates	A	NA		4.8	Y	Absent		NYTCL-8270(7),NYTCL-8270-SIM(7)
L1815645-14X	Amber 1000ml unpreserved Filtrates	A	NA		4.8	Y	Absent		NYTCL-8270(7),NYTCL-8270-SIM(7)

*Values in parentheses indicate holding time in days

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815645
Report Date: 05/09/18

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1815645-14Y	Amber 1000ml unpreserved Filtrates	A	NA		4.8	Y	Absent		NYTCL-8082-1200ML(7)
L1815645-14Z	Amber 1000ml unpreserved Filtrates	A	NA		4.8	Y	Absent		NYTCL-8082-1200ML(7)

*Values in parentheses indicate holding time in days

Project Name:	SENDERO VERDE	**Lab Number:**	L1815645
Project Number:	2984.0001Y000	**Report Date:**	05/09/18

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

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

Terms

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

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

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

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

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

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related

Report Format: DU Report with 'J' Qualifiers

Project Name:	SENDERO VERDE	**Lab Number:**	L1815645
Project Number:	2984.0001Y000	**Report Date:**	05/09/18

Data Qualifiers

projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

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

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

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

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name:	SENDERO VERDE	**Lab Number:**	L1815645
Project Number:	2984.0001Y000	**Report Date:**	05/09/18

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 300: DW: Bromide
EPA 6860: SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, EPA 351.1, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Be, Cd, Cr, Cu, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 2

Date Rec'd in Lab: 5/2/18

ALPHA Job #: L1815645

Project Information
Project Name: Sendero Verde
Project Location: East Harlem
Project #: 2984.0001Y000
(Use Project name as Project #) ☐
Project Manager: Julie Moriarity
ALPHAQuote #:

Turn-Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☒ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information
☒ Same as Client Info
PO #

Client Information
Client: Roux
Address: 209 Shafter St
Islandia, NY 11749
Phone: 631-232-2600
Fax: 631-232-9898
Email: jmoriarity@rouxinc.com

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOC 8260	SVOC 8270, Pest 8081B, PCB 8082A	TAL Metals 6010C	Total Solids					Sample Specific Comments	Total Bottles
15645-01	SB-2 (17.5-19.5)	5/2/18	8:50	Soil	VS		X	X	X						6
-02	SB-2 (19)	↓	8:50	↓	↓	X									6
-03	SB-1 (12-14)	↓	11:00	↓	↓		X	X	X						6
-04	SB-1 (13)	↓	11:00	↓	↓	X									6
-05	SB-5 (18-20)	↓	13:00	↓	↓		X	X	X						6
-06	SB-5 (19)	↓	13:00	↓	↓	X									6
-07	SB-6 (17-19)	↓	14:30	↓	↓		X	X	X						6
-08	SB-6 (18)	↓	14:30	↓	↓	X									6

	VOC 8260	SVOC 8270, Pest 8081B, PCB 8082A	TAL Metals 6010C	Total Solids
Container Type	E	A	A	P
Preservative	A	A	A	A

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
Valerie Sabatino	5/2/18 15:00	Ryan Vasel AAL	5/2/18 1800
Ryan Vasel AAL	5/2/18 1645	David Santos AAL	5/2/18 1810
David Santos AAL	5/2/18 2320	[illegible]	5/2/18 23:20

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ALPHA ANALYTICAL

NEW YORK CHAIN OF CUSTODY

Page 2 of 2

Date Rec'd in Lab: 5/2/18

ALPHA Job #: L1815645

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Client Information
Client: Roux
Address: 209 Shafter St
Islandia, NY 11749
Phone: 631-232-2600
Fax: 631-232-9898
Email: jmoriarity@rouxinc.com

Project Information
Project Name: Sendero Verde
Project Location: East Harlem, NY
Project # 2984.0001Y000
(Use Project name as Project #) ☐
Project Manager: Julie Moriarity
ALPHAQuote #:

Turn-Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☒ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☒ Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:
Hold PCB + Pest filtered samples.
SVOCs + metals (total + dissolved) run.

Please specify Metals or TAL.

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOC 8260	Total Metals	Dissolved Metals	SVOC 8270, PCB 8082, Pest 8082					Sample Specific Comments	Total # Bottles
15645-09	SB-10/GW	5/2/18	10:00	GW	VS	X	X	X	X						17
-10	SB-4/GW	↓	12:20	↓	↓	X	X	X	X						17
-11	SB-5/GW	↓	14:00	↓	↓	X	X	X	X						17

Container Type: V P P A
Preservative: B C A A

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
Valerie Palodano	5/2/18 15:00	[illegible] AM	5/2/18 1600
[illegible] AM2	5/2/18 16:45	Daniel Santos AM	5/2/18 1815
Daniel Santos AM	5/2/18 2320	[illegible] RMA	5/2/18 2312

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L1815892
Client:	Roux Envr. Engr. & Geology, DPC 209 Shafter Street Islandia, NY 11749
ATTN:	Julie Moriarity
Phone:	(631) 232-2600
Project Name:	SENDERO VERDE
Project Number:	2984.0001Y000
Report Date:	05/09/18

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

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

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815892
Report Date: 05/09/18

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1815892-01	SB-9 (14.5-16.5)	SOIL	EAST HARLEM, NY	05/03/18 09:20	05/03/18
L1815892-02	SB-9 (16)	SOIL	EAST HARLEM, NY	05/03/18 09:20	05/03/18
L1815892-03	SB-8 (18-20)	SOIL	EAST HARLEM, NY	05/03/18 12:00	05/03/18
L1815892-04	SB-8 (19)	SOIL	EAST HARLEM, NY	05/03/18 12:00	05/03/18
L1815892-05	SB-7 (11-13)	SOIL	EAST HARLEM, NY	05/03/18 13:40	05/03/18
L1815892-06	SB-7X (12.5)	SOIL	EAST HARLEM, NY	05/03/18 13:40	05/03/18
L1815892-07	SB-1/GW	WATER	EAST HARLEM, NY	05/03/18 10:30	05/03/18
L1815892-08	SB-1/GW - FILTERED	WATER	EAST HARLEM, NY	05/03/18 10:30	05/03/18
L1815892-09	SB-9/GW	WATER	EAST HARLEM, NY	05/03/18 14:00	05/03/18
L1815892-10	SB-9/GW - FILTERED	WATER	EAST HARLEM, NY	05/03/18 14:00	05/03/18

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815892
Report Date: 05/09/18

Case Narrative

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

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

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

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

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

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

Project Name:	SENDERO VERDE	**Lab Number:**	L1815892
Project Number:	2984.0001Y000	**Report Date:**	05/09/18

Case Narrative (continued)

Report Submission

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

Volatile Organics

L1815892-04: The surrogate recovery for 1,2-dichloroethane-d4 (141%) is outside the acceptance criteria; however, since the sample was non-detect for all target analytes associated with this surrogate, re-analysis was not required.

Total Metals

L1815892-01, -03, and -05: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

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

Authorized Signature:  Kelly Stenstrom

Title: Technical Director/Representative Date: 05/09/18

ORGANICS

VOLATILES

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815892
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815892-02
Client ID: SB-9 (16)
Sample Location: EAST HARLEM, NY
Date Collected: 05/03/18 09:20
Date Received: 05/03/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 05/06/18 16:14
Analyst: MV
Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	12	2.0	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.32	1
Chloroform	0.58	J	ug/kg	1.8	0.44	1
Carbon tetrachloride	ND		ug/kg	1.2	0.42	1
1,2-Dichloropropane	ND		ug/kg	4.2	0.27	1
Dibromochloromethane	ND		ug/kg	1.2	0.21	1
1,1,2-Trichloroethane	ND		ug/kg	1.8	0.38	1
Tetrachloroethene	ND		ug/kg	1.2	0.36	1
Chlorobenzene	ND		ug/kg	1.2	0.42	1
Trichlorofluoromethane	ND		ug/kg	6.0	0.50	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.30	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.42	1
Bromodichloromethane	ND		ug/kg	1.2	0.37	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.25	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.28	1
1,3-Dichloropropene, Total	ND		ug/kg	1.2	0.25	1
1,1-Dichloropropene	ND		ug/kg	6.0	0.39	1
Bromoform	ND		ug/kg	4.8	0.28	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.36	1
Benzene	ND		ug/kg	1.2	0.23	1
Toluene	ND		ug/kg	1.8	0.23	1
Ethylbenzene	ND		ug/kg	1.2	0.20	1
Chloromethane	ND		ug/kg	6.0	0.52	1
Bromomethane	ND		ug/kg	2.4	0.41	1
Vinyl chloride	ND		ug/kg	2.4	0.38	1
Chloroethane	ND		ug/kg	2.4	0.38	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.45	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.29	1

Project Name: SENDERO VERDE **Lab Number:** L1815892

Project Number: 2984.0001Y000 **Report Date:** 05/09/18

SAMPLE RESULTS

Lab ID: L1815892-02 Date Collected: 05/03/18 09:20

Client ID: SB-9 (16) Date Received: 05/03/18

Sample Location: EAST HARLEM, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	1.2	0.36	1
1,2-Dichlorobenzene	ND		ug/kg	6.0	0.22	1
1,3-Dichlorobenzene	ND		ug/kg	6.0	0.26	1
1,4-Dichlorobenzene	ND		ug/kg	6.0	0.22	1
Methyl tert butyl ether	ND		ug/kg	2.4	0.18	1
p/m-Xylene	ND		ug/kg	2.4	0.42	1
o-Xylene	ND		ug/kg	2.4	0.41	1
Xylenes, Total	ND		ug/kg	2.4	0.41	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.41	1
1,2-Dichloroethene, Total	ND		ug/kg	1.2	0.29	1
Dibromomethane	ND		ug/kg	12	0.29	1
Styrene	ND		ug/kg	2.4	0.48	1
Dichlorodifluoromethane	ND		ug/kg	12	0.60	1
Acetone	5.6	J	ug/kg	12	2.8	1
Carbon disulfide	ND		ug/kg	12	1.3	1
2-Butanone	ND		ug/kg	12	0.83	1
Vinyl acetate	ND		ug/kg	12	0.18	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.29	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.21	1
2-Hexanone	ND		ug/kg	12	0.80	1
Bromochloromethane	ND		ug/kg	6.0	0.43	1
2,2-Dichloropropane	ND		ug/kg	6.0	0.54	1
1,2-Dibromoethane	ND		ug/kg	4.8	0.24	1
1,3-Dichloropropane	ND		ug/kg	6.0	0.22	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.38	1
Bromobenzene	ND		ug/kg	6.0	0.26	1
n-Butylbenzene	ND		ug/kg	1.2	0.27	1
sec-Butylbenzene	ND		ug/kg	1.2	0.26	1
tert-Butylbenzene	ND		ug/kg	6.0	0.30	1
o-Chlorotoluene	ND		ug/kg	6.0	0.27	1
p-Chlorotoluene	ND		ug/kg	6.0	0.22	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.0	0.48	1
Hexachlorobutadiene	ND		ug/kg	6.0	0.42	1
Isopropylbenzene	ND		ug/kg	1.2	0.23	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.24	1
Naphthalene	ND		ug/kg	6.0	0.17	1
Acrylonitrile	ND		ug/kg	12	0.62	1

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815892
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815892-02
Client ID: SB-9 (16)
Sample Location: EAST HARLEM, NY
Date Collected: 05/03/18 09:20
Date Received: 05/03/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.2	0.26	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.0	0.30	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.0	0.26	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.0	0.19	1
1,2,4-Trimethylbenzene	ND		ug/kg	6.0	0.22	1
1,4-Dioxane	ND		ug/kg	48	17.	1
p-Diethylbenzene	ND		ug/kg	4.8	4.8	1
p-Ethyltoluene	ND		ug/kg	4.8	0.28	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.8	0.19	1
Ethyl ether	ND		ug/kg	6.0	0.31	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.0	0.47	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	**138**	Q	70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	111		70-130

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815892
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815892-04
Client ID: SB-8 (19)
Sample Location: EAST HARLEM, NY

Date Collected: 05/03/18 12:00
Date Received: 05/03/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 05/06/18 16:40
Analyst: MV
Percent Solids: 80%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	2.5	J	ug/kg	12	1.9	1
1,1-Dichloroethane	ND		ug/kg	1.7	0.31	1
Chloroform	6.0		ug/kg	1.7	0.43	1
Carbon tetrachloride	ND		ug/kg	1.2	0.40	1
1,2-Dichloropropane	ND		ug/kg	4.0	0.26	1
Dibromochloromethane	ND		ug/kg	1.2	0.20	1
1,1,2-Trichloroethane	ND		ug/kg	1.7	0.36	1
Tetrachloroethene	ND		ug/kg	1.2	0.35	1
Chlorobenzene	ND		ug/kg	1.2	0.40	1
Trichlorofluoromethane	ND		ug/kg	5.8	0.48	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.28	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.40	1
Bromodichloromethane	ND		ug/kg	1.2	0.36	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.24	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.27	1
1,3-Dichloropropene, Total	ND		ug/kg	1.2	0.24	1
1,1-Dichloropropene	ND		ug/kg	5.8	0.38	1
Bromoform	ND		ug/kg	4.6	0.27	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.34	1
Benzene	ND		ug/kg	1.2	0.22	1
Toluene	ND		ug/kg	1.7	0.22	1
Ethylbenzene	ND		ug/kg	1.2	0.20	1
Chloromethane	ND		ug/kg	5.8	0.50	1
Bromomethane	ND		ug/kg	2.3	0.39	1
Vinyl chloride	ND		ug/kg	2.3	0.36	1
Chloroethane	ND		ug/kg	2.3	0.36	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.43	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.28	1

Project Name: SENDERO VERDE **Lab Number:** L1815892

Project Number: 2984.0001Y000 **Report Date:** 05/09/18

SAMPLE RESULTS

Lab ID: L1815892-04 Date Collected: 05/03/18 12:00

Client ID: SB-8 (19) Date Received: 05/03/18

Sample Location: EAST HARLEM, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	1.2	0.35	1
1,2-Dichlorobenzene	ND		ug/kg	5.8	0.21	1
1,3-Dichlorobenzene	ND		ug/kg	5.8	0.25	1
1,4-Dichlorobenzene	ND		ug/kg	5.8	0.21	1
Methyl tert butyl ether	ND		ug/kg	2.3	0.18	1
p/m-Xylene	ND		ug/kg	2.3	0.40	1
o-Xylene	ND		ug/kg	2.3	0.39	1
Xylenes, Total	ND		ug/kg	2.3	0.39	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.39	1
1,2-Dichloroethene, Total	ND		ug/kg	1.2	0.28	1
Dibromomethane	ND		ug/kg	12	0.28	1
Styrene	ND		ug/kg	2.3	0.46	1
Dichlorodifluoromethane	ND		ug/kg	12	0.58	1
Acetone	16		ug/kg	12	2.6	1
Carbon disulfide	ND		ug/kg	12	1.3	1
2-Butanone	ND		ug/kg	12	0.80	1
Vinyl acetate	ND		ug/kg	12	0.18	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.28	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.20	1
2-Hexanone	ND		ug/kg	12	0.77	1
Bromochloromethane	ND		ug/kg	5.8	0.41	1
2,2-Dichloropropane	ND		ug/kg	5.8	0.52	1
1,2-Dibromoethane	ND		ug/kg	4.6	0.23	1
1,3-Dichloropropane	ND		ug/kg	5.8	0.21	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.37	1
Bromobenzene	ND		ug/kg	5.8	0.25	1
n-Butylbenzene	ND		ug/kg	1.2	0.26	1
sec-Butylbenzene	ND		ug/kg	1.2	0.25	1
tert-Butylbenzene	ND		ug/kg	5.8	0.28	1
o-Chlorotoluene	ND		ug/kg	5.8	0.26	1
p-Chlorotoluene	ND		ug/kg	5.8	0.21	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.8	0.46	1
Hexachlorobutadiene	ND		ug/kg	5.8	0.40	1
Isopropylbenzene	ND		ug/kg	1.2	0.22	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.23	1
Naphthalene	ND		ug/kg	5.8	0.16	1
Acrylonitrile	ND		ug/kg	12	0.59	1

Project Name: SENDERO VERDE **Lab Number:** L1815892

Project Number: 2984.0001Y000 **Report Date:** 05/09/18

SAMPLE RESULTS

Lab ID: L1815892-04 Date Collected: 05/03/18 12:00

Client ID: SB-8 (19) Date Received: 05/03/18

Sample Location: EAST HARLEM, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.2	0.25	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.8	0.29	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.8	0.25	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.8	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.8	0.21	1
1,4-Dioxane	ND		ug/kg	46	17.	1
p-Diethylbenzene	ND		ug/kg	4.6	4.6	1
p-Ethyltoluene	ND		ug/kg	4.6	0.27	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.6	0.18	1
Ethyl ether	ND		ug/kg	5.8	0.30	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.8	0.45	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	**141**	Q	70-130
Toluene-d8	82		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	121		70-130

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815892
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815892-06
Client ID: SB-7X (12.5)
Sample Location: EAST HARLEM, NY
Date Collected: 05/03/18 13:40
Date Received: 05/03/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 05/06/18 17:05
Analyst: MV
Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	9.6	1.6	1
1,1-Dichloroethane	ND		ug/kg	1.4	0.26	1
Chloroform	0.43	J	ug/kg	1.4	0.36	1
Carbon tetrachloride	ND		ug/kg	0.96	0.33	1
1,2-Dichloropropane	ND		ug/kg	3.4	0.22	1
Dibromochloromethane	ND		ug/kg	0.96	0.17	1
1,1,2-Trichloroethane	ND		ug/kg	1.4	0.30	1
Tetrachloroethene	ND		ug/kg	0.96	0.29	1
Chlorobenzene	ND		ug/kg	0.96	0.33	1
Trichlorofluoromethane	ND		ug/kg	4.8	0.40	1
1,2-Dichloroethane	ND		ug/kg	0.96	0.24	1
1,1,1-Trichloroethane	ND		ug/kg	0.96	0.34	1
Bromodichloromethane	ND		ug/kg	0.96	0.30	1
trans-1,3-Dichloropropene	ND		ug/kg	0.96	0.20	1
cis-1,3-Dichloropropene	ND		ug/kg	0.96	0.22	1
1,3-Dichloropropene, Total	ND		ug/kg	0.96	0.20	1
1,1-Dichloropropene	ND		ug/kg	4.8	0.32	1
Bromoform	ND		ug/kg	3.8	0.23	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.96	0.29	1
Benzene	ND		ug/kg	0.96	0.18	1
Toluene	ND		ug/kg	1.4	0.19	1
Ethylbenzene	ND		ug/kg	0.96	0.16	1
Chloromethane	ND		ug/kg	4.8	0.42	1
Bromomethane	ND		ug/kg	1.9	0.32	1
Vinyl chloride	ND		ug/kg	1.9	0.30	1
Chloroethane	ND		ug/kg	1.9	0.30	1
1,1-Dichloroethene	ND		ug/kg	0.96	0.36	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.23	1

Project Name: SENDERO VERDE **Lab Number:** L1815892

Project Number: 2984.0001Y000 **Report Date:** 05/09/18

SAMPLE RESULTS

Lab ID: L1815892-06 Date Collected: 05/03/18 13:40

Client ID: SB-7X (12.5) Date Received: 05/03/18

Sample Location: EAST HARLEM, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	0.96	0.29	1
1,2-Dichlorobenzene	ND		ug/kg	4.8	0.18	1
1,3-Dichlorobenzene	ND		ug/kg	4.8	0.21	1
1,4-Dichlorobenzene	ND		ug/kg	4.8	0.18	1
Methyl tert butyl ether	ND		ug/kg	1.9	0.15	1
p/m-Xylene	ND		ug/kg	1.9	0.34	1
o-Xylene	ND		ug/kg	1.9	0.32	1
Xylenes, Total	ND		ug/kg	1.9	0.32	1
cis-1,2-Dichloroethene	ND		ug/kg	0.96	0.33	1
1,2-Dichloroethene, Total	ND		ug/kg	0.96	0.23	1
Dibromomethane	ND		ug/kg	9.6	0.23	1
Styrene	ND		ug/kg	1.9	0.38	1
Dichlorodifluoromethane	ND		ug/kg	9.6	0.48	1
Acetone	3.2	J	ug/kg	9.6	2.2	1
Carbon disulfide	ND		ug/kg	9.6	1.0	1
2-Butanone	ND		ug/kg	9.6	0.66	1
Vinyl acetate	ND		ug/kg	9.6	0.15	1
4-Methyl-2-pentanone	ND		ug/kg	9.6	0.23	1
1,2,3-Trichloropropane	ND		ug/kg	9.6	0.17	1
2-Hexanone	ND		ug/kg	9.6	0.64	1
Bromochloromethane	ND		ug/kg	4.8	0.34	1
2,2-Dichloropropane	ND		ug/kg	4.8	0.43	1
1,2-Dibromoethane	ND		ug/kg	3.8	0.19	1
1,3-Dichloropropane	ND		ug/kg	4.8	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.96	0.31	1
Bromobenzene	ND		ug/kg	4.8	0.21	1
n-Butylbenzene	ND		ug/kg	0.96	0.22	1
sec-Butylbenzene	ND		ug/kg	0.96	0.21	1
tert-Butylbenzene	ND		ug/kg	4.8	0.24	1
o-Chlorotoluene	ND		ug/kg	4.8	0.21	1
p-Chlorotoluene	ND		ug/kg	4.8	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.8	0.38	1
Hexachlorobutadiene	ND		ug/kg	4.8	0.33	1
Isopropylbenzene	ND		ug/kg	0.96	0.19	1
p-Isopropyltoluene	ND		ug/kg	0.96	0.19	1
Naphthalene	ND		ug/kg	4.8	0.13	1
Acrylonitrile	ND		ug/kg	9.6	0.49	1

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815892
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815892-06
Client ID: SB-7X (12.5)
Sample Location: EAST HARLEM, NY
Date Collected: 05/03/18 13:40
Date Received: 05/03/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.96	0.21	1
1,2,3-Trichlorobenzene	ND		ug/kg	4.8	0.24	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.8	0.21	1
1,3,5-Trimethylbenzene	ND		ug/kg	4.8	0.15	1
1,2,4-Trimethylbenzene	ND		ug/kg	4.8	0.18	1
1,4-Dioxane	ND		ug/kg	38	14.	1
p-Diethylbenzene	ND		ug/kg	3.8	3.8	1
p-Ethyltoluene	ND		ug/kg	3.8	0.22	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	3.8	0.15	1
Ethyl ether	ND		ug/kg	4.8	0.25	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.8	0.38	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	**152**	Q	70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	111		70-130

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815892
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815892-07
Client ID: SB-1/GW
Sample Location: EAST HARLEM, NY
Date Collected: 05/03/18 10:30
Date Received: 05/03/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 05/05/18 16:47
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	39		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	0.65		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: SENDERO VERDE **Lab Number:** L1815892

Project Number: 2984.0001Y000 **Report Date:** 05/09/18

SAMPLE RESULTS

Lab ID: L1815892-07 Date Collected: 05/03/18 10:30

Client ID: SB-1/GW Date Received: 05/03/18

Sample Location: EAST HARLEM, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	1.5	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: SENDERO VERDE **Lab Number:** L1815892

Project Number: 2984.0001Y000 **Report Date:** 05/09/18

SAMPLE RESULTS

Lab ID: L1815892-07 Date Collected: 05/03/18 10:30

Client ID: SB-1/GW Date Received: 05/03/18

Sample Location: EAST HARLEM, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	118		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	98		70-130

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815892
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815892-09
Client ID: SB-9/GW
Sample Location: EAST HARLEM, NY
Date Collected: 05/03/18 14:00
Date Received: 05/03/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 05/05/18 17:15
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	21		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	0.92		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: SENDERO VERDE **Lab Number:** L1815892

Project Number: 2984.0001Y000 **Report Date:** 05/09/18

SAMPLE RESULTS

Lab ID: L1815892-09 Date Collected: 05/03/18 14:00

Client ID: SB-9/GW Date Received: 05/03/18

Sample Location: EAST HARLEM, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	1.8	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815892
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815892-09
Client ID: SB-9/GW
Sample Location: EAST HARLEM, NY
Date Collected: 05/03/18 14:00
Date Received: 05/03/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	116		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	94		70-130

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815892
Report Date: 05/09/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/05/18 13:55
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07,09 Batch: WG1113114-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815892
Report Date: 05/09/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/05/18 13:55
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07,09 Batch: WG1113114-5					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815892
Report Date: 05/09/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/05/18 13:55
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07,09 Batch: WG1113114-5					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	112		70-130
Dibromofluoromethane	96		70-130

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815892
Report Date: 05/09/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/06/18 13:13
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02,04,06 Batch: WG1113305-5					
Methylene chloride	ND		ug/kg	10	1.6
1,1-Dichloroethane	ND		ug/kg	1.5	0.27
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.34
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.18
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.31
Tetrachloroethene	ND		ug/kg	1.0	0.30
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.42
1,2-Dichloroethane	ND		ug/kg	1.0	0.25
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.35
Bromodichloromethane	ND		ug/kg	1.0	0.31
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.21
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.23
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.21
1,1-Dichloropropene	ND		ug/kg	5.0	0.33
Bromoform	ND		ug/kg	4.0	0.24
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.30
Benzene	ND		ug/kg	1.0	0.19
Toluene	ND		ug/kg	1.5	0.20
Ethylbenzene	ND		ug/kg	1.0	0.17
Chloromethane	ND		ug/kg	5.0	0.44
Bromomethane	1.4	J	ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.32
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.37
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.24
Trichloroethene	ND		ug/kg	1.0	0.30

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815892
Report Date: 05/09/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/06/18 13:13
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02,04,06 Batch: WG1113305-5					
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.22
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.18
Methyl tert butyl ether	0.23	J	ug/kg	2.0	0.15
p/m-Xylene	ND		ug/kg	2.0	0.35
o-Xylene	ND		ug/kg	2.0	0.34
Xylenes, Total	ND		ug/kg	2.0	0.34
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.34
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.24
Dibromomethane	ND		ug/kg	10	0.24
Styrene	ND		ug/kg	2.0	0.40
Dichlorodifluoromethane	ND		ug/kg	10	0.50
Acetone	ND		ug/kg	10	2.3
Carbon disulfide	ND		ug/kg	10	1.1
2-Butanone	ND		ug/kg	10	0.69
Vinyl acetate	ND		ug/kg	10	0.15
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.18
2-Hexanone	ND		ug/kg	10	0.67
Bromochloromethane	ND		ug/kg	5.0	0.36
2,2-Dichloropropane	ND		ug/kg	5.0	0.45
1,2-Dibromoethane	ND		ug/kg	4.0	0.20
1,3-Dichloropropane	ND		ug/kg	5.0	0.18
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.22
n-Butylbenzene	ND		ug/kg	1.0	0.23
sec-Butylbenzene	ND		ug/kg	1.0	0.22
tert-Butylbenzene	ND		ug/kg	5.0	0.25
o-Chlorotoluene	ND		ug/kg	5.0	0.22

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815892
Report Date: 05/09/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/06/18 13:13
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02,04,06 Batch: WG1113305-5					
p-Chlorotoluene	ND		ug/kg	5.0	0.18
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.40
Hexachlorobutadiene	ND		ug/kg	5.0	0.35
Isopropylbenzene	ND		ug/kg	1.0	0.19
p-Isopropyltoluene	ND		ug/kg	1.0	0.20
Naphthalene	0.17	J	ug/kg	5.0	0.14
Acrylonitrile	ND		ug/kg	10	0.51
n-Propylbenzene	ND		ug/kg	1.0	0.22
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.25
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.22
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.16
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.19
1,4-Dioxane	ND		ug/kg	40	14.
p-Diethylbenzene	ND		ug/kg	4.0	4.0
p-Ethyltoluene	ND		ug/kg	4.0	0.23
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.16
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.39

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	123		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	105		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: SENDERO VERDE

Project Number: 2984.0001Y000

Lab Number: L1815892

Report Date: 05/09/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07,09 Batch: WG1113114-3 WG1113114-4								
Methylene chloride	89		92		70-130	3		20
1,1-Dichloroethane	98		100		70-130	2		20
Chloroform	94		92		70-130	2		20
Carbon tetrachloride	100		94		63-132	6		20
1,2-Dichloropropane	100		100		70-130	0		20
Dibromochloromethane	100		100		63-130	0		20
1,1,2-Trichloroethane	98		100		70-130	2		20
Tetrachloroethene	97		91		70-130	6		20
Chlorobenzene	97		96		75-130	1		20
Trichlorofluoromethane	110		110		62-150	0		20
1,2-Dichloroethane	110		110		70-130	0		20
1,1,1-Trichloroethane	100		98		67-130	2		20
Bromodichloromethane	100		97		67-130	3		20
trans-1,3-Dichloropropene	110		110		70-130	0		20
cis-1,3-Dichloropropene	97		100		70-130	3		20
1,1-Dichloropropene	100		99		70-130	1		20
Bromoform	96		95		54-136	1		20
1,1,2,2-Tetrachloroethane	110		110		67-130	0		20
Benzene	99		96		70-130	3		20
Toluene	96		94		70-130	2		20
Ethylbenzene	98		97		70-130	1		20
Chloromethane	110		110		64-130	0		20
Bromomethane	60		68		39-139	13		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: SENDERO VERDE

Project Number: 2984.0001Y000

Lab Number: L1815892

Report Date: 05/09/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07,09 Batch: WG1113114-3 WG1113114-4								
Vinyl chloride	110		110		55-140	0		20
Chloroethane	71		70		55-138	1		20
1,1-Dichloroethene	99		100		61-145	1		20
trans-1,2-Dichloroethene	96		96		70-130	0		20
Trichloroethene	96		94		70-130	2		20
1,2-Dichlorobenzene	100		100		70-130	0		20
1,3-Dichlorobenzene	99		99		70-130	0		20
1,4-Dichlorobenzene	98		98		70-130	0		20
Methyl tert butyl ether	98		100		63-130	2		20
p/m-Xylene	95		95		70-130	0		20
o-Xylene	95		95		70-130	0		20
cis-1,2-Dichloroethene	94		90		70-130	4		20
Dibromomethane	100		100		70-130	0		20
1,2,3-Trichloropropane	120		120		64-130	0		20
Acrylonitrile	100		110		70-130	10		20
Styrene	95		95		70-130	0		20
Dichlorodifluoromethane	120		120		36-147	0		20
Acetone	110		110		58-148	0		20
Carbon disulfide	100		100		51-130	0		20
2-Butanone	110		100		63-138	10		20
Vinyl acetate	100		100		70-130	0		20
4-Methyl-2-pentanone	99		100		59-130	1		20
2-Hexanone	120		120		57-130	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: SENDERO VERDE

Project Number: 2984.0001Y000

Lab Number: L1815892

Report Date: 05/09/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07,09 Batch: WG1113114-3 WG1113114-4								
Bromochloromethane	92		88		70-130	4		20
2,2-Dichloropropane	120		110		63-133	9		20
1,2-Dibromoethane	100		100		70-130	0		20
1,3-Dichloropropane	100		100		70-130	0		20
1,1,1,2-Tetrachloroethane	100		99		64-130	1		20
Bromobenzene	100		100		70-130	0		20
n-Butylbenzene	110		110		53-136	0		20
sec-Butylbenzene	110		100		70-130	10		20
tert-Butylbenzene	110		100		70-130	10		20
o-Chlorotoluene	100		100		70-130	0		20
p-Chlorotoluene	110		100		70-130	10		20
1,2-Dibromo-3-chloropropane	99		100		41-144	1		20
Hexachlorobutadiene	120		120		63-130	0		20
Isopropylbenzene	100		100		70-130	0		20
p-Isopropyltoluene	110		110		70-130	0		20
Naphthalene	91		100		70-130	9		20
n-Propylbenzene	110		100		69-130	10		20
1,2,3-Trichlorobenzene	88		96		70-130	9		20
1,2,4-Trichlorobenzene	96		100		70-130	4		20
1,3,5-Trimethylbenzene	110		100		64-130	10		20
1,2,4-Trimethylbenzene	110		100		70-130	10		20
1,4-Dioxane	126		136		56-162	8		20
p-Diethylbenzene	110		110		70-130	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: SENDERO VERDE

Project Number: 2984.0001Y000

Lab Number: L1815892

Report Date: 05/09/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07,09 Batch: WG1113114-3 WG1113114-4								
p-Ethyltoluene	110		100		70-130	10		20
1,2,4,5-Tetramethylbenzene	110		110		70-130	0		20
Ethyl ether	94		99		59-134	5		20
trans-1,4-Dichloro-2-butene	110		110		70-130	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	120		115		70-130
Toluene-d8	100		100		70-130
4-Bromofluorobenzene	110		113		70-130
Dibromofluoromethane	100		94		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: SENDERO VERDE

Project Number: 2984.0001Y000

Lab Number: L1815892

Report Date: 05/09/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,04,06 Batch: WG1113305-3 WG1113305-4								
Methylene chloride	100		98		70-130	2		30
1,1-Dichloroethane	103		100		70-130	3		30
Chloroform	92		101		70-130	9		30
Carbon tetrachloride	104		112		70-130	7		30
1,2-Dichloropropane	91		96		70-130	5		30
Dibromochloromethane	103		101		70-130	2		30
1,1,2-Trichloroethane	94		79		70-130	17		30
Tetrachloroethene	86		87		70-130	1		30
Chlorobenzene	90		93		70-130	3		30
Trichlorofluoromethane	97		99		70-139	2		30
1,2-Dichloroethane	112		113		70-130	1		30
1,1,1-Trichloroethane	100		106		70-130	6		30
Bromodichloromethane	104		106		70-130	2		30
trans-1,3-Dichloropropene	102		102		70-130	0		30
cis-1,3-Dichloropropene	97		98		70-130	1		30
1,1-Dichloropropene	89		80		70-130	11		30
Bromoform	87		96		70-130	10		30
1,1,2,2-Tetrachloroethane	91		95		70-130	4		30
Benzene	87		89		70-130	2		30
Toluene	83		86		70-130	4		30
Ethylbenzene	88		89		70-130	1		30
Chloromethane	83		80		52-130	4		30
Bromomethane	91		90		57-147	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SENDERO VERDE

Project Number: 2984.0001Y000

Lab Number: L1815892

Report Date: 05/09/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,04,06 Batch: WG1113305-3 WG1113305-4								
Vinyl chloride	77		80		67-130	4		30
Chloroethane	74		76		50-151	3		30
1,1-Dichloroethene	92		90		65-135	2		30
trans-1,2-Dichloroethene	95		97		70-130	2		30
Trichloroethene	92		96		70-130	4		30
1,2-Dichlorobenzene	95		94		70-130	1		30
1,3-Dichlorobenzene	92		94		70-130	2		30
1,4-Dichlorobenzene	92		94		70-130	2		30
Methyl tert butyl ether	114		110		66-130	4		30
p/m-Xylene	88		90		70-130	2		30
o-Xylene	80		90		70-130	12		30
cis-1,2-Dichloroethene	99		96		70-130	3		30
Dibromomethane	99		104		70-130	5		30
Styrene	76		92		70-130	19		30
Dichlorodifluoromethane	78		82		30-146	5		30
Acetone	114		100		54-140	13		30
Carbon disulfide	86		83		59-130	4		30
2-Butanone	103		80		70-130	25		30
Vinyl acetate	97		93		70-130	4		30
4-Methyl-2-pentanone	97		93		70-130	4		30
1,2,3-Trichloropropane	98		97		68-130	1		30
2-Hexanone	93		70		70-130	28		30
Bromochloromethane	109		100		70-130	9		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SENDERO VERDE

Project Number: 2984.0001Y000

Lab Number: L1815892

Report Date: 05/09/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,04,06 Batch: WG1113305-3 WG1113305-4								
2,2-Dichloropropane	94		90		70-130	4		30
1,2-Dibromoethane	103		98		70-130	5		30
1,3-Dichloropropane	98		95		69-130	3		30
1,1,1,2-Tetrachloroethane	102		100		70-130	2		30
Bromobenzene	91		92		70-130	1		30
n-Butylbenzene	86		91		70-130	6		30
sec-Butylbenzene	88		91		70-130	3		30
tert-Butylbenzene	88		96		70-130	9		30
o-Chlorotoluene	92		95		70-130	3		30
p-Chlorotoluene	94		95		70-130	1		30
1,2-Dibromo-3-chloropropane	90		78		68-130	14		30
Hexachlorobutadiene	77		73		67-130	5		30
Isopropylbenzene	86		92		70-130	7		30
p-Isopropyltoluene	87		91		70-130	4		30
Naphthalene	97		89		70-130	9		30
Acrylonitrile	123		108		70-130	13		30
n-Propylbenzene	87		90		70-130	3		30
1,2,3-Trichlorobenzene	92		89		70-130	3		30
1,2,4-Trichlorobenzene	86		82		70-130	5		30
1,3,5-Trimethylbenzene	91		96		70-130	5		30
1,2,4-Trimethylbenzene	94		97		70-130	3		30
1,4-Dioxane	84		87		65-136	4		30
p-Diethylbenzene	86		87		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815892
Report Date: 05/09/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,04,06 Batch: WG1113305-3 WG1113305-4								
p-Ethyltoluene	85		89		70-130	5		30
1,2,4,5-Tetramethylbenzene	90		89		70-130	1		30
Ethyl ether	105		99		67-130	6		30
trans-1,4-Dichloro-2-butene	107		114		70-130	6		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	120		118		70-130
Toluene-d8	103		107		70-130
4-Bromofluorobenzene	102		104		70-130
Dibromofluoromethane	103		103		70-130

SEMIVOLATILES

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815892
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815892-01
Client ID: SB-9 (14.5-16.5)
Sample Location: EAST HARLEM, NY

Date Collected: 05/03/18 09:20
Date Received: 05/03/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 05/07/18 18:10
Analyst: SZ
Percent Solids: 83%

Extraction Method: EPA 3546
Extraction Date: 05/04/18 17:32

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	22.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	27.	1
2-Chloronaphthalene	ND		ug/kg	200	19.	1
1,2-Dichlorobenzene	ND		ug/kg	200	35.	1
1,3-Dichlorobenzene	ND		ug/kg	200	34.	1
1,4-Dichlorobenzene	ND		ug/kg	200	34.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	52.	1
2,4-Dinitrotoluene	ND		ug/kg	200	39.	1
2,6-Dinitrotoluene	ND		ug/kg	200	34.	1
Fluoranthene	240		ug/kg	120	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	21.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	30.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	34.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	20.	1
Hexachlorobutadiene	ND		ug/kg	200	29.	1
Hexachlorocyclopentadiene	ND		ug/kg	560	180	1
Hexachloroethane	ND		ug/kg	160	32.	1
Isophorone	ND		ug/kg	180	25.	1
Naphthalene	ND		ug/kg	200	24.	1
Nitrobenzene	ND		ug/kg	180	29.	1
NDPA/DPA	ND		ug/kg	160	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	30.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	200	68.	1
Butyl benzyl phthalate	ND		ug/kg	200	49.	1
Di-n-butylphthalate	ND		ug/kg	200	37.	1
Di-n-octylphthalate	ND		ug/kg	200	67.	1

Project Name: SENDERO VERDE **Lab Number:** L1815892

Project Number: 2984.0001Y000 **Report Date:** 05/09/18

SAMPLE RESULTS

Lab ID: L1815892-01 Date Collected: 05/03/18 09:20

Client ID: SB-9 (14.5-16.5) Date Received: 05/03/18

Sample Location: EAST HARLEM, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	200	18.	1
Dimethyl phthalate	ND		ug/kg	200	41.	1
Benzo(a)anthracene	120		ug/kg	120	22.	1
Benzo(a)pyrene	110	J	ug/kg	160	48.	1
Benzo(b)fluoranthene	140		ug/kg	120	33.	1
Benzo(k)fluoranthene	56	J	ug/kg	120	31.	1
Chrysene	120		ug/kg	120	20.	1
Acenaphthylene	56	J	ug/kg	160	30.	1
Anthracene	ND		ug/kg	120	38.	1
Benzo(ghi)perylene	81	J	ug/kg	160	23.	1
Fluorene	ND		ug/kg	200	19.	1
Phenanthrene	170		ug/kg	120	24.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	23.	1
Indeno(1,2,3-cd)pyrene	86	J	ug/kg	160	27.	1
Pyrene	200		ug/kg	120	20.	1
Biphenyl	ND		ug/kg	450	46.	1
4-Chloroaniline	ND		ug/kg	200	36.	1
2-Nitroaniline	ND		ug/kg	200	38.	1
3-Nitroaniline	ND		ug/kg	200	37.	1
4-Nitroaniline	ND		ug/kg	200	81.	1
Dibenzofuran	ND		ug/kg	200	18.	1
2-Methylnaphthalene	ND		ug/kg	240	24.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	20.	1
Acetophenone	ND		ug/kg	200	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	37.	1
p-Chloro-m-cresol	ND		ug/kg	200	29.	1
2-Chlorophenol	ND		ug/kg	200	23.	1
2,4-Dichlorophenol	ND		ug/kg	180	32.	1
2,4-Dimethylphenol	ND		ug/kg	200	65.	1
2-Nitrophenol	ND		ug/kg	420	74.	1
4-Nitrophenol	ND		ug/kg	270	80.	1
2,4-Dinitrophenol	ND		ug/kg	940	91.	1
4,6-Dinitro-o-cresol	ND		ug/kg	510	94.	1
Pentachlorophenol	ND		ug/kg	160	43.	1
Phenol	ND		ug/kg	200	30.	1
2-Methylphenol	ND		ug/kg	200	30.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	31.	1

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815892
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815892-01
Client ID: SB-9 (14.5-16.5)
Sample Location: EAST HARLEM, NY
Date Collected: 05/03/18 09:20
Date Received: 05/03/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	200	38.	1
Benzoic Acid	ND		ug/kg	640	200	1
Benzyl Alcohol	ND		ug/kg	200	60.	1
Carbazole	ND		ug/kg	200	19.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	83		25-120
Phenol-d6	84		10-120
Nitrobenzene-d5	94		23-120
2-Fluorobiphenyl	78		30-120
2,4,6-Tribromophenol	93		10-136
4-Terphenyl-d14	78		18-120

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815892
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815892-03
Client ID: SB-8 (18-20)
Sample Location: EAST HARLEM, NY

Date Collected: 05/03/18 12:00
Date Received: 05/03/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 05/09/18 04:46
Analyst: PS
Percent Solids: 78%

Extraction Method: EPA 3546
Extraction Date: 05/04/18 17:32

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	170	22.	1
1,2,4-Trichlorobenzene	ND		ug/kg	210	24.	1
Hexachlorobenzene	ND		ug/kg	130	24.	1
Bis(2-chloroethyl)ether	ND		ug/kg	190	29.	1
2-Chloronaphthalene	ND		ug/kg	210	21.	1
1,2-Dichlorobenzene	ND		ug/kg	210	38.	1
1,3-Dichlorobenzene	ND		ug/kg	210	36.	1
1,4-Dichlorobenzene	ND		ug/kg	210	37.	1
3,3'-Dichlorobenzidine	ND		ug/kg	210	56.	1
2,4-Dinitrotoluene	ND		ug/kg	210	42.	1
2,6-Dinitrotoluene	ND		ug/kg	210	36.	1
Fluoranthene	ND		ug/kg	130	24.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	210	23.	1
4-Bromophenyl phenyl ether	ND		ug/kg	210	32.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	250	36.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	230	21.	1
Hexachlorobutadiene	ND		ug/kg	210	31.	1
Hexachlorocyclopentadiene	ND		ug/kg	600	190	1
Hexachloroethane	ND		ug/kg	170	34.	1
Isophorone	ND		ug/kg	190	27.	1
Naphthalene	ND		ug/kg	210	26.	1
Nitrobenzene	ND		ug/kg	190	31.	1
NDPA/DPA	ND		ug/kg	170	24.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	210	33.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	210	73.	1
Butyl benzyl phthalate	ND		ug/kg	210	53.	1
Di-n-butylphthalate	ND		ug/kg	210	40.	1
Di-n-octylphthalate	ND		ug/kg	210	72.	1

Project Name: SENDERO VERDE **Lab Number:** L1815892

Project Number: 2984.0001Y000 **Report Date:** 05/09/18

SAMPLE RESULTS

Lab ID: L1815892-03 Date Collected: 05/03/18 12:00

Client ID: SB-8 (18-20) Date Received: 05/03/18

Sample Location: EAST HARLEM, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	210	20.	1
Dimethyl phthalate	ND		ug/kg	210	44.	1
Benzo(a)anthracene	ND		ug/kg	130	24.	1
Benzo(a)pyrene	ND		ug/kg	170	52.	1
Benzo(b)fluoranthene	ND		ug/kg	130	36.	1
Benzo(k)fluoranthene	ND		ug/kg	130	34.	1
Chrysene	ND		ug/kg	130	22.	1
Acenaphthylene	ND		ug/kg	170	33.	1
Anthracene	ND		ug/kg	130	41.	1
Benzo(ghi)perylene	ND		ug/kg	170	25.	1
Fluorene	ND		ug/kg	210	20.	1
Phenanthrene	ND		ug/kg	130	26.	1
Dibenzo(a,h)anthracene	ND		ug/kg	130	24.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	170	29.	1
Pyrene	ND		ug/kg	130	21.	1
Biphenyl	ND		ug/kg	480	49.	1
4-Chloroaniline	ND		ug/kg	210	38.	1
2-Nitroaniline	ND		ug/kg	210	41.	1
3-Nitroaniline	ND		ug/kg	210	40.	1
4-Nitroaniline	ND		ug/kg	210	88.	1
Dibenzofuran	ND		ug/kg	210	20.	1
2-Methylnaphthalene	ND		ug/kg	250	26.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	210	22.	1
Acetophenone	ND		ug/kg	210	26.	1
2,4,6-Trichlorophenol	ND		ug/kg	130	40.	1
p-Chloro-m-cresol	ND		ug/kg	210	32.	1
2-Chlorophenol	ND		ug/kg	210	25.	1
2,4-Dichlorophenol	ND		ug/kg	190	34.	1
2,4-Dimethylphenol	ND		ug/kg	210	70.	1
2-Nitrophenol	ND		ug/kg	460	80.	1
4-Nitrophenol	ND		ug/kg	300	86.	1
2,4-Dinitrophenol	ND		ug/kg	1000	98.	1
4,6-Dinitro-o-cresol	ND		ug/kg	550	100	1
Pentachlorophenol	ND		ug/kg	170	46.	1
Phenol	ND		ug/kg	210	32.	1
2-Methylphenol	ND		ug/kg	210	33.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	300	33.	1

Project Name: SENDERO VERDE
Lab Number: L1815892
Project Number: 2984.0001Y000
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815892-03
Client ID: SB-8 (18-20)
Sample Location: EAST HARLEM, NY
Date Collected: 05/03/18 12:00
Date Received: 05/03/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	210	40.	1
Benzoic Acid	ND		ug/kg	680	210	1
Benzyl Alcohol	ND		ug/kg	210	65.	1
Carbazole	ND		ug/kg	210	20.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	86		25-120
Phenol-d6	89		10-120
Nitrobenzene-d5	94		23-120
2-Fluorobiphenyl	88		30-120
2,4,6-Tribromophenol	96		10-136
4-Terphenyl-d14	101		18-120

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815892
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815892-05
Client ID: SB-7 (11-13)
Sample Location: EAST HARLEM, NY

Date Collected: 05/03/18 13:40
Date Received: 05/03/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 05/09/18 07:46
Analyst: PS
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 05/04/18 17:32

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	20	J	ug/kg	140	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	20.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	32.	1
1,3-Dichlorobenzene	ND		ug/kg	180	31.	1
1,4-Dichlorobenzene	ND		ug/kg	180	31.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	48.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	550		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	27.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	510	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	26.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	62.	1
Butyl benzyl phthalate	ND		ug/kg	180	45.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	61.	1

Project Name: SENDERO VERDE **Lab Number:** L1815892

Project Number: 2984.0001Y000 **Report Date:** 05/09/18

SAMPLE RESULTS

Lab ID: L1815892-05 Date Collected: 05/03/18 13:40

Client ID: SB-7 (11-13) Date Received: 05/03/18

Sample Location: EAST HARLEM, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	250		ug/kg	110	20.	1
Benzo(a)pyrene	220		ug/kg	140	44.	1
Benzo(b)fluoranthene	240		ug/kg	110	30.	1
Benzo(k)fluoranthene	91	J	ug/kg	110	29.	1
Chrysene	220		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	140	28.	1
Anthracene	160		ug/kg	110	35.	1
Benzo(ghi)perylene	140		ug/kg	140	21.	1
Fluorene	39	J	ug/kg	180	17.	1
Phenanthrene	530		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	30	J	ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	140		ug/kg	140	25.	1
Pyrene	520		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	410	42.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	35.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	74.	1
Dibenzofuran	17	J	ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	59.	1
2-Nitrophenol	ND		ug/kg	390	68.	1
4-Nitrophenol	ND		ug/kg	250	73.	1
2,4-Dinitrophenol	ND		ug/kg	860	84.	1
4,6-Dinitro-o-cresol	ND		ug/kg	470	86.	1
Pentachlorophenol	ND		ug/kg	140	40.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	28.	1

Project Name: SENDERO VERDE **Lab Number:** L1815892

Project Number: 2984.0001Y000 **Report Date:** 05/09/18

SAMPLE RESULTS

Lab ID: L1815892-05 Date Collected: 05/03/18 13:40

Client ID: SB-7 (11-13) Date Received: 05/03/18

Sample Location: EAST HARLEM, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	34.	1
Benzoic Acid	ND		ug/kg	580	180	1
Benzyl Alcohol	ND		ug/kg	180	55.	1
Carbazole	18	J	ug/kg	180	17.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	42		25-120
Phenol-d6	75		10-120
Nitrobenzene-d5	87		23-120
2-Fluorobiphenyl	86		30-120
2,4,6-Tribromophenol	17		10-136
4-Terphenyl-d14	96		18-120

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815892
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815892-07
Client ID: SB-1/GW
Sample Location: EAST HARLEM, NY

Date Collected: 05/03/18 10:30
Date Received: 05/03/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 05/09/18 03:03
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 05/04/18 12:21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.66	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.67	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.73	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.69	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.71	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.4	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.84	1
2,6-Dinitrotoluene	ND		ug/l	5.0	1.1	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.62	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.73	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.70	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.63	1
Hexachlorocyclopentadiene	ND		ug/l	20	7.8	1
Isophorone	ND		ug/l	5.0	0.60	1
Nitrobenzene	ND		ug/l	2.0	0.75	1
NDPA/DPA	ND		ug/l	2.0	0.64	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.70	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	0.91	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.3	1
Di-n-butylphthalate	ND		ug/l	5.0	0.69	1
Di-n-octylphthalate	ND		ug/l	5.0	1.1	1
Diethyl phthalate	ND		ug/l	5.0	0.63	1
Dimethyl phthalate	ND		ug/l	5.0	0.65	1
Biphenyl	ND		ug/l	2.0	0.76	1
4-Chloroaniline	ND		ug/l	5.0	0.63	1
2-Nitroaniline	ND		ug/l	5.0	1.1	1
3-Nitroaniline	ND		ug/l	5.0	1.2	1
4-Nitroaniline	ND		ug/l	5.0	1.3	1

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815892
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815892-07
Client ID: SB-1/GW
Sample Location: EAST HARLEM, NY
Date Collected: 05/03/18 10:30
Date Received: 05/03/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	ND		ug/l	2.0	0.66	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.67	1
Acetophenone	ND		ug/l	5.0	0.85	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.68	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.62	1
2-Chlorophenol	ND		ug/l	2.0	0.63	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.77	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.6	1
2-Nitrophenol	ND		ug/l	10	1.5	1
4-Nitrophenol	ND		ug/l	10	1.8	1
2,4-Dinitrophenol	ND		ug/l	20	5.5	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.1	1
Phenol	ND		ug/l	5.0	1.9	1
2-Methylphenol	ND		ug/l	5.0	1.0	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.1	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.72	1
Benzoic Acid	ND		ug/l	50	13.	1
Benzyl Alcohol	ND		ug/l	2.0	0.72	1
Carbazole	ND		ug/l	2.0	0.63	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	55		21-120
Phenol-d6	41		10-120
Nitrobenzene-d5	85		23-120
2-Fluorobiphenyl	88		15-120
2,4,6-Tribromophenol	104		10-120
4-Terphenyl-d14	109		41-149

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815892
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815892-07
Client ID: SB-1/GW
Sample Location: EAST HARLEM, NY

Date Collected: 05/03/18 10:30
Date Received: 05/03/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 05/05/18 18:48
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 05/04/18 12:24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.04	1
2-Chloronaphthalene	ND		ug/l	0.20	0.04	1
Fluoranthene	0.11		ug/l	0.10	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.04	1
Naphthalene	ND		ug/l	0.10	0.04	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.04	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.02	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.04	1
Chrysene	ND		ug/l	0.10	0.04	1
Acenaphthylene	ND		ug/l	0.10	0.04	1
Anthracene	ND		ug/l	0.10	0.04	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.04	1
Fluorene	ND		ug/l	0.10	0.04	1
Phenanthrene	0.08	J	ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.04	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.04	1
Pyrene	0.08	J	ug/l	0.10	0.04	1
2-Methylnaphthalene	ND		ug/l	0.10	0.05	1
Pentachlorophenol	ND		ug/l	0.80	0.22	1
Hexachlorobenzene	ND		ug/l	0.80	0.03	1
Hexachloroethane	ND		ug/l	0.80	0.03	1

Project Name: SENDERO VERDE
Lab Number: L1815892
Project Number: 2984.0001Y000
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815892-07
Client ID: SB-1/GW
Sample Location: EAST HARLEM, NY
Date Collected: 05/03/18 10:30
Date Received: 05/03/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	44		21-120
Phenol-d6	36		10-120
Nitrobenzene-d5	72		23-120
2-Fluorobiphenyl	70		15-120
2,4,6-Tribromophenol	95		10-120
4-Terphenyl-d14	99		41-149

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815892
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815892-08
Client ID: SB-1/GW - FILTERED
Sample Location: EAST HARLEM, NY

Date Collected: 05/03/18 10:30
Date Received: 05/03/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 05/09/18 03:29
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 05/04/18 12:21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.66	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.67	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.73	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.69	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.71	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.4	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.84	1
2,6-Dinitrotoluene	ND		ug/l	5.0	1.1	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.62	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.73	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.70	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.63	1
Hexachlorocyclopentadiene	ND		ug/l	20	7.8	1
Isophorone	ND		ug/l	5.0	0.60	1
Nitrobenzene	ND		ug/l	2.0	0.75	1
NDPA/DPA	ND		ug/l	2.0	0.64	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.70	1
Bis(2-ethylhexyl)phthalate	1.5	J	ug/l	3.0	0.91	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.3	1
Di-n-butylphthalate	ND		ug/l	5.0	0.69	1
Di-n-octylphthalate	ND		ug/l	5.0	1.1	1
Diethyl phthalate	ND		ug/l	5.0	0.63	1
Dimethyl phthalate	ND		ug/l	5.0	0.65	1
Biphenyl	ND		ug/l	2.0	0.76	1
4-Chloroaniline	ND		ug/l	5.0	0.63	1
2-Nitroaniline	ND		ug/l	5.0	1.1	1
3-Nitroaniline	ND		ug/l	5.0	1.2	1
4-Nitroaniline	ND		ug/l	5.0	1.3	1

Project Name: SENDERO VERDE **Lab Number:** L1815892

Project Number: 2984.0001Y000 **Report Date:** 05/09/18

SAMPLE RESULTS

Lab ID: L1815892-08 Date Collected: 05/03/18 10:30

Client ID: SB-1/GW - FILTERED Date Received: 05/03/18

Sample Location: EAST HARLEM, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	ND		ug/l	2.0	0.66	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.67	1
Acetophenone	ND		ug/l	5.0	0.85	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.68	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.62	1
2-Chlorophenol	ND		ug/l	2.0	0.63	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.77	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.6	1
2-Nitrophenol	ND		ug/l	10	1.5	1
4-Nitrophenol	ND		ug/l	10	1.8	1
2,4-Dinitrophenol	ND		ug/l	20	5.5	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.1	1
Phenol	ND		ug/l	5.0	1.9	1
2-Methylphenol	ND		ug/l	5.0	1.0	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.1	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.72	1
Benzoic Acid	ND		ug/l	50	13.	1
Benzyl Alcohol	ND		ug/l	2.0	0.72	1
Carbazole	ND		ug/l	2.0	0.63	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	54		21-120
Phenol-d6	40		10-120
Nitrobenzene-d5	91		23-120
2-Fluorobiphenyl	95		15-120
2,4,6-Tribromophenol	112		10-120
4-Terphenyl-d14	122		41-149

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815892
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815892-08
Client ID: SB-1/GW - FILTERED
Sample Location: EAST HARLEM, NY

Date Collected: 05/03/18 10:30
Date Received: 05/03/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 05/05/18 20:53
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 05/04/18 12:24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.04	1
2-Chloronaphthalene	ND		ug/l	0.20	0.04	1
Fluoranthene	0.06	J	ug/l	0.10	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.04	1
Naphthalene	ND		ug/l	0.10	0.04	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.04	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.02	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.04	1
Chrysene	ND		ug/l	0.10	0.04	1
Acenaphthylene	ND		ug/l	0.10	0.04	1
Anthracene	ND		ug/l	0.10	0.04	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.04	1
Fluorene	ND		ug/l	0.10	0.04	1
Phenanthrene	0.06	J	ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.04	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.04	1
Pyrene	ND		ug/l	0.10	0.04	1
2-Methylnaphthalene	ND		ug/l	0.10	0.05	1
Pentachlorophenol	ND		ug/l	0.80	0.22	1
Hexachlorobenzene	ND		ug/l	0.80	0.03	1
Hexachloroethane	ND		ug/l	0.80	0.03	1

Project Name: SENDERO VERDE
Lab Number: L1815892
Project Number: 2984.0001Y000
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815892-08
Client ID: SB-1/GW - FILTERED
Sample Location: EAST HARLEM, NY
Date Collected: 05/03/18 10:30
Date Received: 05/03/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	39		21-120
Phenol-d6	31		10-120
Nitrobenzene-d5	81		23-120
2-Fluorobiphenyl	94		15-120
2,4,6-Tribromophenol	93		10-120
4-Terphenyl-d14	106		41-149

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815892
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815892-09
Client ID: SB-9/GW
Sample Location: EAST HARLEM, NY

Date Collected: 05/03/18 14:00
Date Received: 05/03/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 05/09/18 03:54
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 05/04/18 12:21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.66	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.67	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.73	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.69	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.71	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.4	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.84	1
2,6-Dinitrotoluene	ND		ug/l	5.0	1.1	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.62	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.73	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.70	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.63	1
Hexachlorocyclopentadiene	ND		ug/l	20	7.8	1
Isophorone	ND		ug/l	5.0	0.60	1
Nitrobenzene	ND		ug/l	2.0	0.75	1
NDPA/DPA	ND		ug/l	2.0	0.64	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.70	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	0.91	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.3	1
Di-n-butylphthalate	ND		ug/l	5.0	0.69	1
Di-n-octylphthalate	ND		ug/l	5.0	1.1	1
Diethyl phthalate	ND		ug/l	5.0	0.63	1
Dimethyl phthalate	ND		ug/l	5.0	0.65	1
Biphenyl	ND		ug/l	2.0	0.76	1
4-Chloroaniline	ND		ug/l	5.0	0.63	1
2-Nitroaniline	ND		ug/l	5.0	1.1	1
3-Nitroaniline	ND		ug/l	5.0	1.2	1
4-Nitroaniline	ND		ug/l	5.0	1.3	1

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815892
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815892-09
Client ID: SB-9/GW
Sample Location: EAST HARLEM, NY
Date Collected: 05/03/18 14:00
Date Received: 05/03/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	ND		ug/l	2.0	0.66	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.67	1
Acetophenone	ND		ug/l	5.0	0.85	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.68	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.62	1
2-Chlorophenol	ND		ug/l	2.0	0.63	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.77	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.6	1
2-Nitrophenol	ND		ug/l	10	1.5	1
4-Nitrophenol	ND		ug/l	10	1.8	1
2,4-Dinitrophenol	ND		ug/l	20	5.5	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.1	1
Phenol	ND		ug/l	5.0	1.9	1
2-Methylphenol	ND		ug/l	5.0	1.0	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.1	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.72	1
Benzoic Acid	ND		ug/l	50	13.	1
Benzyl Alcohol	ND		ug/l	2.0	0.72	1
Carbazole	ND		ug/l	2.0	0.63	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	57		21-120
Phenol-d6	40		10-120
Nitrobenzene-d5	98		23-120
2-Fluorobiphenyl	94		15-120
2,4,6-Tribromophenol	103		10-120
4-Terphenyl-d14	113		41-149

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815892
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815892-09
Client ID: SB-9/GW
Sample Location: EAST HARLEM, NY

Date Collected: 05/03/18 14:00
Date Received: 05/03/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 05/05/18 21:18
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 05/04/18 12:24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.04	1
2-Chloronaphthalene	ND		ug/l	0.20	0.04	1
Fluoranthene	ND		ug/l	0.10	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.04	1
Naphthalene	ND		ug/l	0.10	0.04	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.04	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.02	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.04	1
Chrysene	ND		ug/l	0.10	0.04	1
Acenaphthylene	ND		ug/l	0.10	0.04	1
Anthracene	ND		ug/l	0.10	0.04	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.04	1
Fluorene	ND		ug/l	0.10	0.04	1
Phenanthrene	0.04	J	ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.04	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.04	1
Pyrene	ND		ug/l	0.10	0.04	1
2-Methylnaphthalene	ND		ug/l	0.10	0.05	1
Pentachlorophenol	ND		ug/l	0.80	0.22	1
Hexachlorobenzene	ND		ug/l	0.80	0.03	1
Hexachloroethane	ND		ug/l	0.80	0.03	1

Project Name: SENDERO VERDE
Lab Number: L1815892
Project Number: 2984.0001Y000
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815892-09
Client ID: SB-9/GW
Sample Location: EAST HARLEM, NY
Date Collected: 05/03/18 14:00
Date Received: 05/03/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	41		21-120
Phenol-d6	31		10-120
Nitrobenzene-d5	85		23-120
2-Fluorobiphenyl	93		15-120
2,4,6-Tribromophenol	85		10-120
4-Terphenyl-d14	94		41-149

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815892
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815892-10
Client ID: SB-9/GW - FILTERED
Sample Location: EAST HARLEM, NY

Date Collected: 05/03/18 14:00
Date Received: 05/03/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 05/09/18 04:20
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 05/04/18 12:21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.66	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.67	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.73	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.69	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.71	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.4	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.84	1
2,6-Dinitrotoluene	ND		ug/l	5.0	1.1	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.62	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.73	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.70	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.63	1
Hexachlorocyclopentadiene	ND		ug/l	20	7.8	1
Isophorone	ND		ug/l	5.0	0.60	1
Nitrobenzene	ND		ug/l	2.0	0.75	1
NDPA/DPA	ND		ug/l	2.0	0.64	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.70	1
Bis(2-ethylhexyl)phthalate	1.0	J	ug/l	3.0	0.91	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.3	1
Di-n-butylphthalate	ND		ug/l	5.0	0.69	1
Di-n-octylphthalate	ND		ug/l	5.0	1.1	1
Diethyl phthalate	ND		ug/l	5.0	0.63	1
Dimethyl phthalate	ND		ug/l	5.0	0.65	1
Biphenyl	ND		ug/l	2.0	0.76	1
4-Chloroaniline	ND		ug/l	5.0	0.63	1
2-Nitroaniline	ND		ug/l	5.0	1.1	1
3-Nitroaniline	ND		ug/l	5.0	1.2	1
4-Nitroaniline	ND		ug/l	5.0	1.3	1

Project Name: SENDERO VERDE **Lab Number:** L1815892

Project Number: 2984.0001Y000 **Report Date:** 05/09/18

SAMPLE RESULTS

Lab ID: L1815892-10 Date Collected: 05/03/18 14:00

Client ID: SB-9/GW - FILTERED Date Received: 05/03/18

Sample Location: EAST HARLEM, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	ND		ug/l	2.0	0.66	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.67	1
Acetophenone	ND		ug/l	5.0	0.85	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.68	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.62	1
2-Chlorophenol	ND		ug/l	2.0	0.63	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.77	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.6	1
2-Nitrophenol	ND		ug/l	10	1.5	1
4-Nitrophenol	ND		ug/l	10	1.8	1
2,4-Dinitrophenol	ND		ug/l	20	5.5	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.1	1
Phenol	ND		ug/l	5.0	1.9	1
2-Methylphenol	ND		ug/l	5.0	1.0	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.1	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.72	1
Benzoic Acid	ND		ug/l	50	13.	1
Benzyl Alcohol	ND		ug/l	2.0	0.72	1
Carbazole	ND		ug/l	2.0	0.63	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	48		21-120
Phenol-d6	39		10-120
Nitrobenzene-d5	84		23-120
2-Fluorobiphenyl	89		15-120
2,4,6-Tribromophenol	115		10-120
4-Terphenyl-d14	125		41-149

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815892
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815892-10
Client ID: SB-9/GW - FILTERED
Sample Location: EAST HARLEM, NY

Date Collected: 05/03/18 14:00
Date Received: 05/03/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 05/05/18 21:43
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 05/04/18 12:24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.04	1
2-Chloronaphthalene	ND		ug/l	0.20	0.04	1
Fluoranthene	ND		ug/l	0.10	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.04	1
Naphthalene	ND		ug/l	0.10	0.04	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.04	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.02	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.04	1
Chrysene	ND		ug/l	0.10	0.04	1
Acenaphthylene	ND		ug/l	0.10	0.04	1
Anthracene	ND		ug/l	0.10	0.04	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.04	1
Fluorene	ND		ug/l	0.10	0.04	1
Phenanthrene	0.05	J	ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.04	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.04	1
Pyrene	ND		ug/l	0.10	0.04	1
2-Methylnaphthalene	ND		ug/l	0.10	0.05	1
Pentachlorophenol	ND		ug/l	0.80	0.22	1
Hexachlorobenzene	ND		ug/l	0.80	0.03	1
Hexachloroethane	ND		ug/l	0.80	0.03	1

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815892
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815892-10
Client ID: SB-9/GW - FILTERED
Sample Location: EAST HARLEM, NY
Date Collected: 05/03/18 14:00
Date Received: 05/03/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	36		21-120
Phenol-d6	29		10-120
Nitrobenzene-d5	71		23-120
2-Fluorobiphenyl	86		15-120
2,4,6-Tribromophenol	90		10-120
4-Terphenyl-d14	102		41-149

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815892
Report Date: 05/09/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 05/08/18 23:13
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 05/04/18 12:21

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 07-10 Batch: WG1112698-1					
Acenaphthene	ND		ug/l	2.0	0.59
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.66
Hexachlorobenzene	ND		ug/l	2.0	0.58
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.67
2-Chloronaphthalene	ND		ug/l	2.0	0.64
1,2-Dichlorobenzene	ND		ug/l	2.0	0.73
1,3-Dichlorobenzene	ND		ug/l	2.0	0.69
1,4-Dichlorobenzene	ND		ug/l	2.0	0.71
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.4
2,4-Dinitrotoluene	ND		ug/l	5.0	0.84
2,6-Dinitrotoluene	ND		ug/l	5.0	1.1
Fluoranthene	ND		ug/l	2.0	0.57
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.62
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.73
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.70
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.63
Hexachlorobutadiene	ND		ug/l	2.0	0.72
Hexachlorocyclopentadiene	ND		ug/l	20	7.8
Hexachloroethane	ND		ug/l	2.0	0.68
Isophorone	ND		ug/l	5.0	0.60
Naphthalene	ND		ug/l	2.0	0.68
Nitrobenzene	ND		ug/l	2.0	0.75
NDPA/DPA	ND		ug/l	2.0	0.64
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.70
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	0.91
Butyl benzyl phthalate	ND		ug/l	5.0	1.3
Di-n-butylphthalate	ND		ug/l	5.0	0.69
Di-n-octylphthalate	ND		ug/l	5.0	1.1
Diethyl phthalate	ND		ug/l	5.0	0.63

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Extraction Date: 05/04/18 12:21

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 07-10 Batch: WG1112698-1					
Dimethyl phthalate	ND		ug/l	5.0	0.65
Benzo(a)anthracene	ND		ug/l	2.0	0.61
Benzo(a)pyrene	ND		ug/l	2.0	0.54
Benzo(b)fluoranthene	ND		ug/l	2.0	0.64
Benzo(k)fluoranthene	ND		ug/l	2.0	0.60
Chrysene	ND		ug/l	2.0	0.54
Acenaphthylene	ND		ug/l	2.0	0.66
Anthracene	ND		ug/l	2.0	0.64
Benzo(ghi)perylene	ND		ug/l	2.0	0.61
Fluorene	ND		ug/l	2.0	0.62
Phenanthrene	ND		ug/l	2.0	0.61
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.55
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.71
Pyrene	ND		ug/l	2.0	0.57
Biphenyl	ND		ug/l	2.0	0.76
4-Chloroaniline	ND		ug/l	5.0	0.63
2-Nitroaniline	ND		ug/l	5.0	1.1
3-Nitroaniline	ND		ug/l	5.0	1.2
4-Nitroaniline	ND		ug/l	5.0	1.3
Dibenzofuran	ND		ug/l	2.0	0.66
2-Methylnaphthalene	ND		ug/l	2.0	0.72
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.67
Acetophenone	ND		ug/l	5.0	0.85
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.68
p-Chloro-m-cresol	ND		ug/l	2.0	0.62
2-Chlorophenol	ND		ug/l	2.0	0.63
2,4-Dichlorophenol	ND		ug/l	5.0	0.77
2,4-Dimethylphenol	ND		ug/l	5.0	1.6
2-Nitrophenol	ND		ug/l	10	1.5

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Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 05/04/18 12:21

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 07-10 Batch: WG1112698-1					
4-Nitrophenol	ND		ug/l	10	1.8
2,4-Dinitrophenol	ND		ug/l	20	5.5
4,6-Dinitro-o-cresol	ND		ug/l	10	2.1
Pentachlorophenol	ND		ug/l	10	3.4
Phenol	ND		ug/l	5.0	1.9
2-Methylphenol	ND		ug/l	5.0	1.0
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.72
Benzoic Acid	ND		ug/l	50	13.
Benzyl Alcohol	ND		ug/l	2.0	0.72
Carbazole	ND		ug/l	2.0	0.63
Tentatively Identified Compounds					
Total TIC Compounds	11.0	J	ug/l		
Aldol Condensates	11.0	J	ug/l		

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	61		21-120
Phenol-d6	42		10-120
Nitrobenzene-d5	105		23-120
2-Fluorobiphenyl	98		15-120
2,4,6-Tribromophenol	109		10-120
4-Terphenyl-d14	120		41-149

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815892
Report Date: 05/09/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 05/05/18 13:02
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 05/04/18 12:24

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 07-10 Batch: WG1112700-1					
Acenaphthene	ND		ug/l	0.10	0.04
2-Chloronaphthalene	ND		ug/l	0.20	0.04
Fluoranthene	ND		ug/l	0.10	0.04
Hexachlorobutadiene	ND		ug/l	0.50	0.04
Naphthalene	ND		ug/l	0.10	0.04
Benzo(a)anthracene	ND		ug/l	0.10	0.02
Benzo(a)pyrene	ND		ug/l	0.10	0.04
Benzo(b)fluoranthene	ND		ug/l	0.10	0.02
Benzo(k)fluoranthene	ND		ug/l	0.10	0.04
Chrysene	ND		ug/l	0.10	0.04
Acenaphthylene	ND		ug/l	0.10	0.04
Anthracene	ND		ug/l	0.10	0.04
Benzo(ghi)perylene	ND		ug/l	0.10	0.04
Fluorene	ND		ug/l	0.10	0.04
Phenanthrene	ND		ug/l	0.10	0.02
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.04
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.04
Pyrene	ND		ug/l	0.10	0.04
2-Methylnaphthalene	ND		ug/l	0.10	0.05
Pentachlorophenol	ND		ug/l	0.80	0.22
Hexachlorobenzene	ND		ug/l	0.80	0.03
Hexachloroethane	ND		ug/l	0.80	0.03

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Analytical Date: 05/05/18 13:02
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 05/04/18 12:24

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 07-10 Batch: WG1112700-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	47		21-120
Phenol-d6	34		10-120
Nitrobenzene-d5	84		23-120
2-Fluorobiphenyl	76		15-120
2,4,6-Tribromophenol	108		10-120
4-Terphenyl-d14	102		41-149

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815892
Report Date: 05/09/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 05/09/18 00:30
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 05/04/18 17:31

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01,03,05 Batch: WG1112768-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	19.
Hexachlorobenzene	ND		ug/kg	98	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	29.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	28.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	33.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	98	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	18.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	26.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	57.
Butyl benzyl phthalate	ND		ug/kg	160	41.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	56.
Diethyl phthalate	ND		ug/kg	160	15.

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Analytical Date: 05/09/18 00:30
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 05/04/18 17:31

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01,03,05 Batch: WG1112768-1					
Dimethyl phthalate	ND		ug/kg	160	34.
Benzo(a)anthracene	ND		ug/kg	98	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	98	28.
Benzo(k)fluoranthene	ND		ug/kg	98	26.
Chrysene	ND		ug/kg	98	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	98	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	98	20.
Dibenzo(a,h)anthracene	ND		ug/kg	98	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	98	16.
Biphenyl	ND		ug/kg	370	38.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	32.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	68.
Dibenzofuran	ND		ug/kg	160	15.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	98	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	19.
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	350	62.

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Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 05/09/18 00:30
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 05/04/18 17:31

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01,03,05 Batch: WG1112768-1					
4-Nitrophenol	ND		ug/kg	230	67.
2,4-Dinitrophenol	ND		ug/kg	780	76.
4,6-Dinitro-o-cresol	ND		ug/kg	420	78.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	25.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	31.
Benzoic Acid	ND		ug/kg	530	160
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	16.
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/kg		

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	85		25-120
Phenol-d6	90		10-120
Nitrobenzene-d5	90		23-120
2-Fluorobiphenyl	92		30-120
2,4,6-Tribromophenol	100		10-136
4-Terphenyl-d14	108		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: SENDERO VERDE

Project Number: 2984.0001Y000

Lab Number: L1815892

Report Date: 05/09/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 07-10 Batch: WG1112698-2 WG1112698-3								
Acenaphthene	85		88		37-111	3		30
1,2,4-Trichlorobenzene	76		75		39-98	1		30
Hexachlorobenzene	89		92		40-140	3		30
Bis(2-chloroethyl)ether	81		81		40-140	0		30
2-Chloronaphthalene	82		82		40-140	0		30
1,2-Dichlorobenzene	76		76		40-140	0		30
1,3-Dichlorobenzene	73		73		40-140	0		30
1,4-Dichlorobenzene	72		74		36-97	3		30
3,3'-Dichlorobenzidine	81		85		40-140	5		30
2,4-Dinitrotoluene	107		114		48-143	6		30
2,6-Dinitrotoluene	100		104		40-140	4		30
Fluoranthene	89		94		40-140	5		30
4-Chlorophenyl phenyl ether	86		89		40-140	3		30
4-Bromophenyl phenyl ether	90		94		40-140	4		30
Bis(2-chloroisopropyl)ether	83		82		40-140	1		30
Bis(2-chloroethoxy)methane	86		84		40-140	2		30
Hexachlorobutadiene	76		76		40-140	0		30
Hexachlorocyclopentadiene	86		84		40-140	2		30
Hexachloroethane	78		78		40-140	0		30
Isophorone	89		87		40-140	2		30
Naphthalene	80		81		40-140	1		30
Nitrobenzene	94		91		40-140	3		30
NDPA/DPA	90		92		40-140	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SENDERO VERDE

Project Number: 2984.0001Y000

Lab Number: L1815892

Report Date: 05/09/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 07-10 Batch: WG1112698-2 WG1112698-3								
n-Nitrosodi-n-propylamine	88		87		29-132	1		30
Bis(2-ethylhexyl)phthalate	103		107		40-140	4		30
Butyl benzyl phthalate	101		107		40-140	6		30
Di-n-butylphthalate	97		101		40-140	4		30
Di-n-octylphthalate	102		106		40-140	4		30
Diethyl phthalate	92		97		40-140	5		30
Dimethyl phthalate	89		89		40-140	0		30
Benzo(a)anthracene	88		92		40-140	4		30
Benzo(a)pyrene	94		100		40-140	6		30
Benzo(b)fluoranthene	86		91		40-140	6		30
Benzo(k)fluoranthene	98		103		40-140	5		30
Chrysene	88		92		40-140	4		30
Acenaphthylene	90		90		45-123	0		30
Anthracene	89		94		40-140	5		30
Benzo(ghi)perylene	89		95		40-140	7		30
Fluorene	90		92		40-140	2		30
Phenanthrene	86		88		40-140	2		30
Dibenzo(a,h)anthracene	90		96		40-140	6		30
Indeno(1,2,3-cd)pyrene	96		104		40-140	8		30
Pyrene	86		91		26-127	6		30
Biphenyl	87		86		40-140	1		30
4-Chloroaniline	74		74		40-140	0		30
2-Nitroaniline	105		106		52-143	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815892
Report Date: 05/09/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 07-10 Batch: WG1112698-2 WG1112698-3								
3-Nitroaniline	88		85		25-145	3		30
4-Nitroaniline	88		94		51-143	7		30
Dibenzofuran	88		90		40-140	2		30
2-Methylnaphthalene	84		84		40-140	0		30
1,2,4,5-Tetrachlorobenzene	86		85		2-134	1		30
Acetophenone	89		89		39-129	0		30
2,4,6-Trichlorophenol	42		95		30-130	**77**	Q	30
p-Chloro-m-cresol	86		96		23-97	11		30
2-Chlorophenol	50		85		27-123	**52**	Q	30
2,4-Dichlorophenol	53		91		30-130	**53**	Q	30
2,4-Dimethylphenol	91		89		30-130	2		30
2-Nitrophenol	54		107		30-130	**66**	Q	30
4-Nitrophenol	38		80		10-80	**71**	Q	30
2,4-Dinitrophenol	46		118		20-130	**88**	Q	30
4,6-Dinitro-o-cresol	53		126		20-164	**82**	Q	30
Pentachlorophenol	34		83		9-103	**84**	Q	30
Phenol	30		42		12-110	**33**	Q	30
2-Methylphenol	72		77		30-130	7		30
3-Methylphenol/4-Methylphenol	72		77		30-130	7		30
2,4,5-Trichlorophenol	48		98		30-130	**68**	Q	30
Benzoic Acid	17		44		10-164	**89**	Q	30
Benzyl Alcohol	84		83		26-116	1		30
Carbazole	88		93		55-144	6		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815892
Report Date: 05/09/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 07-10 Batch: WG1112698-2 WG1112698-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	30		62		21-120
Phenol-d6	32		44		10-120
Nitrobenzene-d5	106		102		23-120
2-Fluorobiphenyl	97		96		15-120
2,4,6-Tribromophenol	51		113		10-120
4-Terphenyl-d14	107		110		41-149

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Batch Quality Control

Project Name: SENDERO VERDE

Project Number: 2984.0001Y000

Lab Number: L1815892

Report Date: 05/09/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 07-10 Batch: WG1112700-2 WG1112700-3								
Acenaphthene	90		88		40-140	2		40
2-Chloronaphthalene	76		74		40-140	3		40
Fluoranthene	94		96		40-140	2		40
Hexachlorobutadiene	64		62		40-140	3		40
Naphthalene	74		71		40-140	4		40
Benzo(a)anthracene	85		88		40-140	3		40
Benzo(a)pyrene	88		90		40-140	2		40
Benzo(b)fluoranthene	87		88		40-140	1		40
Benzo(k)fluoranthene	90		92		40-140	2		40
Chrysene	88		89		40-140	1		40
Acenaphthylene	87		85		40-140	2		40
Anthracene	90		90		40-140	0		40
Benzo(ghi)perylene	90		92		40-140	2		40
Fluorene	94		92		40-140	2		40
Phenanthrene	85		85		40-140	0		40
Dibenzo(a,h)anthracene	94		96		40-140	2		40
Indeno(1,2,3-cd)pyrene	90		92		40-140	2		40
Pyrene	91		93		40-140	2		40
2-Methylnaphthalene	76		74		40-140	3		40
Pentachlorophenol	95		96		40-140	1		40
Hexachlorobenzene	85		84		40-140	1		40
Hexachloroethane	64		60		40-140	6		40

Lab Control Sample Analysis
Batch Quality Control

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815892
Report Date: 05/09/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 07-10 Batch: WG1112700-2 WG1112700-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	47		45		21-120
Phenol-d6	35		34		10-120
Nitrobenzene-d5	82		79		23-120
2-Fluorobiphenyl	75		75		15-120
2,4,6-Tribromophenol	100		101		10-120
4-Terphenyl-d14	95		98		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: SENDERO VERDE

Project Number: 2984.0001Y000

Lab Number: L1815892

Report Date: 05/09/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03,05 Batch: WG1112768-2 WG1112768-3								
Acenaphthene	77		78		31-137	1		50
1,2,4-Trichlorobenzene	72		73		38-107	1		50
Hexachlorobenzene	81		79		40-140	3		50
Bis(2-chloroethyl)ether	72		74		40-140	3		50
2-Chloronaphthalene	76		78		40-140	3		50
1,2-Dichlorobenzene	73		75		40-140	3		50
1,3-Dichlorobenzene	73		74		40-140	1		50
1,4-Dichlorobenzene	73		73		28-104	0		50
3,3'-Dichlorobenzidine	62		65		40-140	5		50
2,4-Dinitrotoluene	99		98		40-132	1		50
2,6-Dinitrotoluene	92		89		40-140	3		50
Fluoranthene	82		82		40-140	0		50
4-Chlorophenyl phenyl ether	80		79		40-140	1		50
4-Bromophenyl phenyl ether	82		82		40-140	0		50
Bis(2-chloroisopropyl)ether	73		74		40-140	1		50
Bis(2-chloroethoxy)methane	74		76		40-117	3		50
Hexachlorobutadiene	76		79		40-140	4		50
Hexachlorocyclopentadiene	90		91		40-140	1		50
Hexachloroethane	76		80		40-140	5		50
Isophorone	76		77		40-140	1		50
Naphthalene	76		77		40-140	1		50
Nitrobenzene	82		83		40-140	1		50
NDPA/DPA	82		82		36-157	0		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: SENDERO VERDE

Project Number: 2984.0001Y000

Lab Number: L1815892

Report Date: 05/09/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03,05 Batch: WG1112768-2 WG1112768-3								
n-Nitrosodi-n-propylamine	75		77		32-121	3		50
Bis(2-ethylhexyl)phthalate	91		92		40-140	1		50
Butyl benzyl phthalate	92		92		40-140	0		50
Di-n-butylphthalate	86		88		40-140	2		50
Di-n-octylphthalate	89		91		40-140	2		50
Diethyl phthalate	83		82		40-140	1		50
Dimethyl phthalate	81		80		40-140	1		50
Benzo(a)anthracene	80		82		40-140	2		50
Benzo(a)pyrene	84		87		40-140	4		50
Benzo(b)fluoranthene	80		83		40-140	4		50
Benzo(k)fluoranthene	85		85		40-140	0		50
Chrysene	79		80		40-140	1		50
Acenaphthylene	84		83		40-140	1		50
Anthracene	83		83		40-140	0		50
Benzo(ghi)perylene	82		82		40-140	0		50
Fluorene	82		82		40-140	0		50
Phenanthrene	77		79		40-140	3		50
Dibenzo(a,h)anthracene	82		84		40-140	2		50
Indeno(1,2,3-cd)pyrene	82		85		40-140	4		50
Pyrene	79		79		35-142	0		50
Biphenyl	79		80		54-104	1		50
4-Chloroaniline	65		83		40-140	24		50
2-Nitroaniline	95		94		47-134	1		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815892
Report Date: 05/09/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03,05 Batch: WG1112768-2 WG1112768-3								
3-Nitroaniline	66		68		26-129	3		50
4-Nitroaniline	82		80		41-125	2		50
Dibenzofuran	79		79		40-140	0		50
2-Methylnaphthalene	78		79		40-140	1		50
1,2,4,5-Tetrachlorobenzene	79		80		40-117	1		50
Acetophenone	79		79		14-144	0		50
2,4,6-Trichlorophenol	86		86		30-130	0		50
p-Chloro-m-cresol	87		89		26-103	2		50
2-Chlorophenol	81		82		25-102	1		50
2,4-Dichlorophenol	85		86		30-130	1		50
2,4-Dimethylphenol	85		88		30-130	3		50
2-Nitrophenol	95		97		30-130	2		50
4-Nitrophenol	109		109		11-114	0		50
2,4-Dinitrophenol	101		98		4-130	3		50
4,6-Dinitro-o-cresol	110		108		10-130	2		50
Pentachlorophenol	75		74		17-109	1		50
Phenol	81		84		26-90	4		50
2-Methylphenol	82		83		30-130.	1		50
3-Methylphenol/4-Methylphenol	87		87		30-130	0		50
2,4,5-Trichlorophenol	89		89		30-130	0		50
Benzoic Acid	64		71		10-110	10		50
Benzyl Alcohol	83		83		40-140	0		50
Carbazole	81		83		54-128	2		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815892
Report Date: 05/09/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03,05 Batch: WG1112768-2 WG1112768-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	76		76		25-120
Phenol-d6	77		80		10-120
Nitrobenzene-d5	81		82		23-120
2-Fluorobiphenyl	79		79		30-120
2,4,6-Tribromophenol	89		85		10-136
4-Terphenyl-d14	84		86		18-120

PCBS

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815892
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815892-01
Client ID: SB-9 (14.5-16.5)
Sample Location: EAST HARLEM, NY

Date Collected: 05/03/18 09:20
Date Received: 05/03/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 05/07/18 06:11
Analyst: KB
Percent Solids: 83%

Extraction Method: EPA 3546
Extraction Date: 05/05/18 07:01
Cleanup Method: EPA 3665A
Cleanup Date: 05/05/18
Cleanup Method: EPA 3660B
Cleanup Date: 05/05/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	38.6	4.38	1	A
Aroclor 1221	ND		ug/kg	38.6	5.88	1	A
Aroclor 1232	ND		ug/kg	38.6	3.80	1	A
Aroclor 1242	ND		ug/kg	38.6	4.73	1	A
Aroclor 1248	ND		ug/kg	38.6	4.34	1	A
Aroclor 1254	ND		ug/kg	38.6	3.15	1	A
Aroclor 1260	ND		ug/kg	38.6	4.03	1	A
Aroclor 1262	ND		ug/kg	38.6	3.18	1	A
Aroclor 1268	ND		ug/kg	38.6	2.74	1	A
PCBs, Total	ND		ug/kg	38.6	2.74	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	89		30-150	A
Decachlorobiphenyl	77		30-150	A
2,4,5,6-Tetrachloro-m-xylene	87		30-150	B
Decachlorobiphenyl	94		30-150	B

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815892
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815892-03
Client ID: SB-8 (18-20)
Sample Location: EAST HARLEM, NY

Date Collected: 05/03/18 12:00
Date Received: 05/03/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 05/07/18 06:25
Analyst: KB
Percent Solids: 78%

Extraction Method: EPA 3546
Extraction Date: 05/05/18 07:01
Cleanup Method: EPA 3665A
Cleanup Date: 05/05/18
Cleanup Method: EPA 3660B
Cleanup Date: 05/05/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	40.4	4.58	1	A
Aroclor 1221	ND		ug/kg	40.4	6.14	1	A
Aroclor 1232	ND		ug/kg	40.4	3.97	1	A
Aroclor 1242	ND		ug/kg	40.4	4.94	1	A
Aroclor 1248	ND		ug/kg	40.4	4.53	1	A
Aroclor 1254	ND		ug/kg	40.4	3.29	1	A
Aroclor 1260	ND		ug/kg	40.4	4.21	1	A
Aroclor 1262	ND		ug/kg	40.4	3.32	1	A
Aroclor 1268	ND		ug/kg	40.4	2.86	1	A
PCBs, Total	ND		ug/kg	40.4	2.86	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	99		30-150	A
Decachlorobiphenyl	88		30-150	A
2,4,5,6-Tetrachloro-m-xylene	97		30-150	B
Decachlorobiphenyl	107		30-150	B

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815892
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815892-05
Client ID: SB-7 (11-13)
Sample Location: EAST HARLEM, NY

Date Collected: 05/03/18 13:40
Date Received: 05/03/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 05/07/18 06:38
Analyst: KB
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 05/05/18 07:01
Cleanup Method: EPA 3665A
Cleanup Date: 05/05/18
Cleanup Method: EPA 3660B
Cleanup Date: 05/05/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.8	4.06	1	A
Aroclor 1221	ND		ug/kg	35.8	5.46	1	A
Aroclor 1232	ND		ug/kg	35.8	3.53	1	A
Aroclor 1242	ND		ug/kg	35.8	4.39	1	A
Aroclor 1248	ND		ug/kg	35.8	4.02	1	A
Aroclor 1254	ND		ug/kg	35.8	2.92	1	A
Aroclor 1260	ND		ug/kg	35.8	3.74	1	A
Aroclor 1262	ND		ug/kg	35.8	2.95	1	A
Aroclor 1268	ND		ug/kg	35.8	2.54	1	A
PCBs, Total	ND		ug/kg	35.8	2.54	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	95		30-150	A
Decachlorobiphenyl	92		30-150	A
2,4,5,6-Tetrachloro-m-xylene	92		30-150	B
Decachlorobiphenyl	107		30-150	B

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815892
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815892-07
Client ID: SB-1/GW
Sample Location: EAST HARLEM, NY

Date Collected: 05/03/18 10:30
Date Received: 05/03/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 05/06/18 22:12
Analyst: KB

Extraction Method: EPA 3510C
Extraction Date: 05/04/18 17:12
Cleanup Method: EPA 3665A
Cleanup Date: 05/05/18
Cleanup Method: EPA 3660B
Cleanup Date: 05/05/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.020	1	A
Aroclor 1221	ND		ug/l	0.083	0.032	1	A
Aroclor 1232	ND		ug/l	0.083	0.027	1	A
Aroclor 1242	ND		ug/l	0.083	0.030	1	A
Aroclor 1248	ND		ug/l	0.083	0.023	1	A
Aroclor 1254	ND		ug/l	0.083	0.035	1	A
Aroclor 1260	ND		ug/l	0.083	0.020	1	A
Aroclor 1262	ND		ug/l	0.083	0.017	1	A
Aroclor 1268	ND		ug/l	0.083	0.027	1	A
PCBs, Total	ND		ug/l	0.083	0.017	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	100		30-150	A
Decachlorobiphenyl	73		30-150	A
2,4,5,6-Tetrachloro-m-xylene	101		30-150	B
Decachlorobiphenyl	86		30-150	B

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815892
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815892-08
Client ID: SB-1/GW - FILTERED
Sample Location: EAST HARLEM, NY

Date Collected: 05/03/18 10:30
Date Received: 05/03/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 05/06/18 22:25
Analyst: KB

Extraction Method: EPA 3510C
Extraction Date: 05/04/18 17:12
Cleanup Method: EPA 3665A
Cleanup Date: 05/05/18
Cleanup Method: EPA 3660B
Cleanup Date: 05/05/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.020	1	A
Aroclor 1221	ND		ug/l	0.083	0.032	1	A
Aroclor 1232	ND		ug/l	0.083	0.027	1	A
Aroclor 1242	ND		ug/l	0.083	0.030	1	A
Aroclor 1248	ND		ug/l	0.083	0.023	1	A
Aroclor 1254	ND		ug/l	0.083	0.035	1	A
Aroclor 1260	ND		ug/l	0.083	0.020	1	A
Aroclor 1262	ND		ug/l	0.083	0.017	1	A
Aroclor 1268	ND		ug/l	0.083	0.027	1	A
PCBs, Total	ND		ug/l	0.083	0.017	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	105		30-150	A
Decachlorobiphenyl	70		30-150	A
2,4,5,6-Tetrachloro-m-xylene	106		30-150	B
Decachlorobiphenyl	80		30-150	B

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815892
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815892-09
Client ID: SB-9/GW
Sample Location: EAST HARLEM, NY

Date Collected: 05/03/18 14:00
Date Received: 05/03/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 05/06/18 22:38
Analyst: KB

Extraction Method: EPA 3510C
Extraction Date: 05/04/18 17:12
Cleanup Method: EPA 3665A
Cleanup Date: 05/05/18
Cleanup Method: EPA 3660B
Cleanup Date: 05/05/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.020	1	A
Aroclor 1221	ND		ug/l	0.083	0.032	1	A
Aroclor 1232	ND		ug/l	0.083	0.027	1	A
Aroclor 1242	ND		ug/l	0.083	0.030	1	A
Aroclor 1248	ND		ug/l	0.083	0.023	1	A
Aroclor 1254	ND		ug/l	0.083	0.035	1	A
Aroclor 1260	ND		ug/l	0.083	0.020	1	A
Aroclor 1262	ND		ug/l	0.083	0.017	1	A
Aroclor 1268	ND		ug/l	0.083	0.027	1	A
PCBs, Total	ND		ug/l	0.083	0.017	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	103		30-150	A
Decachlorobiphenyl	69		30-150	A
2,4,5,6-Tetrachloro-m-xylene	105		30-150	B
Decachlorobiphenyl	77		30-150	B

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815892
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815892-10
Client ID: SB-9/GW - FILTERED
Sample Location: EAST HARLEM, NY

Date Collected: 05/03/18 14:00
Date Received: 05/03/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 05/06/18 22:51
Analyst: KB

Extraction Method: EPA 3510C
Extraction Date: 05/04/18 17:12
Cleanup Method: EPA 3665A
Cleanup Date: 05/05/18
Cleanup Method: EPA 3660B
Cleanup Date: 05/05/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.020	1	A
Aroclor 1221	ND		ug/l	0.083	0.032	1	A
Aroclor 1232	ND		ug/l	0.083	0.027	1	A
Aroclor 1242	ND		ug/l	0.083	0.030	1	A
Aroclor 1248	ND		ug/l	0.083	0.023	1	A
Aroclor 1254	ND		ug/l	0.083	0.035	1	A
Aroclor 1260	ND		ug/l	0.083	0.020	1	A
Aroclor 1262	ND		ug/l	0.083	0.017	1	A
Aroclor 1268	ND		ug/l	0.083	0.027	1	A
PCBs, Total	ND		ug/l	0.083	0.017	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	104		30-150	A
Decachlorobiphenyl	79		30-150	A
2,4,5,6-Tetrachloro-m-xylene	106		30-150	B
Decachlorobiphenyl	88		30-150	B

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815892
Report Date: 05/09/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 05/04/18 09:29
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 05/03/18 17:52
Cleanup Method: EPA 3665A
Cleanup Date: 05/04/18
Cleanup Method: EPA 3660B
Cleanup Date: 05/04/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 07-10 Batch: WG1112395-1						
Aroclor 1016	ND		ug/l	0.083	0.020	A
Aroclor 1221	ND		ug/l	0.083	0.032	A
Aroclor 1232	ND		ug/l	0.083	0.027	A
Aroclor 1242	ND		ug/l	0.083	0.030	A
Aroclor 1248	ND		ug/l	0.083	0.023	A
Aroclor 1254	ND		ug/l	0.083	0.035	A
Aroclor 1260	ND		ug/l	0.083	0.020	A
Aroclor 1262	ND		ug/l	0.083	0.017	A
Aroclor 1268	ND		ug/l	0.083	0.027	A
PCBs, Total	ND		ug/l	0.083	0.017	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	91		30-150	A
Decachlorobiphenyl	71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	103		30-150	B
Decachlorobiphenyl	82		30-150	B

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815892
Report Date: 05/09/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 05/06/18 02:31
Analyst: HT

Extraction Method: EPA 3546
Extraction Date: 05/05/18 00:21
Cleanup Method: EPA 3665A
Cleanup Date: 05/05/18
Cleanup Method: EPA 3660B
Cleanup Date: 05/05/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01,03,05 Batch: WG1112850-1						
Aroclor 1016	ND		ug/kg	32.0	3.63	A
Aroclor 1221	ND		ug/kg	32.0	4.88	A
Aroclor 1232	ND		ug/kg	32.0	3.15	A
Aroclor 1242	ND		ug/kg	32.0	3.92	A
Aroclor 1248	ND		ug/kg	32.0	3.59	A
Aroclor 1254	ND		ug/kg	32.0	2.61	A
Aroclor 1260	ND		ug/kg	32.0	3.34	A
Aroclor 1262	ND		ug/kg	32.0	2.63	A
Aroclor 1268	ND		ug/kg	32.0	2.27	A
PCBs, Total	ND		ug/kg	32.0	2.27	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	88		30-150	A
Decachlorobiphenyl	77		30-150	A
2,4,5,6-Tetrachloro-m-xylene	86		30-150	B
Decachlorobiphenyl	88		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: SENDERO VERDE

Project Number: 2984.0001Y000

Lab Number: L1815892

Report Date: 05/09/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 07-10 Batch: WG1112395-2 WG1112395-3									
Aroclor 1016	85		82		40-140	3		50	A
Aroclor 1260	75		77		40-140	3		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		77		30-150	A
Decachlorobiphenyl	62		69		30-150	A
2,4,5,6-Tetrachloro-m-xylene	89		82		30-150	B
Decachlorobiphenyl	67		73		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: SENDERO VERDE

Project Number: 2984.0001Y000

Lab Number: L1815892

Report Date: 05/09/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01,03,05 Batch: WG1112850-2 WG1112850-3									
Aroclor 1016	88		92		40-140	4		50	A
Aroclor 1260	83		87		40-140	5		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	97		95		30-150	A
Decachlorobiphenyl	87		91		30-150	A
2,4,5,6-Tetrachloro-m-xylene	94		93		30-150	B
Decachlorobiphenyl	97		101		30-150	B

PESTICIDES

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815892
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815892-01
Client ID: SB-9 (14.5-16.5)
Sample Location: EAST HARLEM, NY

Date Collected: 05/03/18 09:20
Date Received: 05/03/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 05/07/18 00:18
Analyst: JW
Percent Solids: 83%

Extraction Method: EPA 3546
Extraction Date: 05/05/18 07:54
Cleanup Method: EPA 3620B
Cleanup Date: 05/06/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.85	0.362	1	A
Lindane	ND		ug/kg	0.770	0.344	1	A
Alpha-BHC	ND		ug/kg	0.770	0.219	1	A
Beta-BHC	ND		ug/kg	1.85	0.701	1	A
Heptachlor	ND		ug/kg	0.924	0.414	1	A
Aldrin	ND		ug/kg	1.85	0.650	1	A
Heptachlor epoxide	ND		ug/kg	3.46	1.04	1	A
Endrin	ND		ug/kg	0.770	0.316	1	A
Endrin aldehyde	ND		ug/kg	2.31	0.808	1	A
Endrin ketone	ND		ug/kg	1.85	0.476	1	A
Dieldrin	4.36		ug/kg	1.15	0.577	1	A
4,4'-DDE	4.53		ug/kg	1.85	0.427	1	B
4,4'-DDD	4.54	P	ug/kg	1.85	0.659	1	B
4,4'-DDT	29.8		ug/kg	3.46	1.48	1	A
Endosulfan I	ND		ug/kg	1.85	0.436	1	A
Endosulfan II	ND		ug/kg	1.85	0.617	1	A
Endosulfan sulfate	ND		ug/kg	0.770	0.366	1	A
Methoxychlor	ND		ug/kg	3.46	1.08	1	A
Toxaphene	ND		ug/kg	34.6	9.70	1	A
cis-Chlordane	4.80		ug/kg	2.31	0.644	1	A
trans-Chlordane	2.75	PI	ug/kg	2.31	0.610	1	A
Chlordane	21.3		ug/kg	15.0	6.12	1	B

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815892
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815892-01
Client ID: SB-9 (14.5-16.5)
Sample Location: EAST HARLEM, NY
Date Collected: 05/03/18 09:20
Date Received: 05/03/18
Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	106		30-150	B
Decachlorobiphenyl	104		30-150	B
2,4,5,6-Tetrachloro-m-xylene	95		30-150	A
Decachlorobiphenyl	84		30-150	A

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815892
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815892-03
Client ID: SB-8 (18-20)
Sample Location: EAST HARLEM, NY

Date Collected: 05/03/18 12:00
Date Received: 05/03/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 05/07/18 00:31
Analyst: JW
Percent Solids: 78%

Extraction Method: EPA 3546
Extraction Date: 05/05/18 07:54
Cleanup Method: EPA 3620B
Cleanup Date: 05/06/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.98	0.388	1	A
Lindane	ND		ug/kg	0.826	0.369	1	A
Alpha-BHC	ND		ug/kg	0.826	0.235	1	A
Beta-BHC	ND		ug/kg	1.98	0.752	1	A
Heptachlor	ND		ug/kg	0.991	0.444	1	A
Aldrin	ND		ug/kg	1.98	0.698	1	A
Heptachlor epoxide	ND		ug/kg	3.72	1.12	1	A
Endrin	ND		ug/kg	0.826	0.339	1	A
Endrin aldehyde	ND		ug/kg	2.48	0.867	1	A
Endrin ketone	ND		ug/kg	1.98	0.510	1	A
Dieldrin	ND		ug/kg	1.24	0.620	1	A
4,4'-DDE	ND		ug/kg	1.98	0.458	1	A
4,4'-DDD	ND		ug/kg	1.98	0.707	1	A
4,4'-DDT	ND		ug/kg	3.72	1.59	1	A
Endosulfan I	ND		ug/kg	1.98	0.468	1	A
Endosulfan II	ND		ug/kg	1.98	0.662	1	A
Endosulfan sulfate	ND		ug/kg	0.826	0.393	1	A
Methoxychlor	ND		ug/kg	3.72	1.16	1	A
Toxaphene	ND		ug/kg	37.2	10.4	1	A
cis-Chlordane	ND		ug/kg	2.48	0.691	1	A
trans-Chlordane	ND		ug/kg	2.48	0.654	1	A
Chlordane	ND		ug/kg	16.1	6.57	1	A

Project Name: SENDERO VERDE **Lab Number:** L1815892

Project Number: 2984.0001Y000 **Report Date:** 05/09/18

SAMPLE RESULTS

Lab ID: L1815892-03 Date Collected: 05/03/18 12:00

Client ID: SB-8 (18-20) Date Received: 05/03/18

Sample Location: EAST HARLEM, NY Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	97		30-150	B
Decachlorobiphenyl	96		30-150	B
2,4,5,6-Tetrachloro-m-xylene	93		30-150	A
Decachlorobiphenyl	77		30-150	A

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815892
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815892-05
Client ID: SB-7 (11-13)
Sample Location: EAST HARLEM, NY

Date Collected: 05/03/18 13:40
Date Received: 05/03/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 05/08/18 19:29
Analyst: KEG
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 05/05/18 07:54
Cleanup Method: EPA 3620B
Cleanup Date: 05/06/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.68	0.330	1	A
Lindane	ND		ug/kg	0.701	0.313	1	A
Alpha-BHC	ND		ug/kg	0.701	0.199	1	A
Beta-BHC	ND		ug/kg	1.68	0.638	1	A
Heptachlor	ND		ug/kg	0.841	0.377	1	A
Aldrin	ND		ug/kg	1.68	0.592	1	A
Heptachlor epoxide	ND		ug/kg	3.16	0.947	1	A
Endrin	ND		ug/kg	0.701	0.288	1	A
Endrin aldehyde	ND		ug/kg	2.10	0.736	1	A
Endrin ketone	ND		ug/kg	1.68	0.433	1	A
Dieldrin	1.60		ug/kg	1.05	0.526	1	A
4,4'-DDE	1.26	J	ug/kg	1.68	0.389	1	B
4,4'-DDD	1.02	J	ug/kg	1.68	0.600	1	B
4,4'-DDT	3.40		ug/kg	3.16	1.35	1	B
Endosulfan I	ND		ug/kg	1.68	0.398	1	A
Endosulfan II	1.02	J	ug/kg	1.68	0.562	1	B
Endosulfan sulfate	ND		ug/kg	0.701	0.334	1	A
Methoxychlor	ND		ug/kg	3.16	0.982	1	A
Toxaphene	ND		ug/kg	31.6	8.84	1	A
cis-Chlordane	1.73	J	ug/kg	2.10	0.586	1	A
trans-Chlordane	0.857	J	ug/kg	2.10	0.555	1	A
Chlordane	ND		ug/kg	13.7	5.57	1	A

Project Name: SENDERO VERDE
Lab Number: L1815892
Project Number: 2984.0001Y000
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815892-05
Client ID: SB-7 (11-13)
Sample Location: EAST HARLEM, NY
Date Collected: 05/03/18 13:40
Date Received: 05/03/18
Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	57		30-150	B
2,4,5,6-Tetrachloro-m-xylene	82		30-150	A
Decachlorobiphenyl	68		30-150	A

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815892
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815892-07
Client ID: SB-1/GW
Sample Location: EAST HARLEM, NY

Date Collected: 05/03/18 10:30
Date Received: 05/03/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 05/07/18 01:30
Analyst: KEG

Extraction Method: EPA 3510C
Extraction Date: 05/04/18 12:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.014	0.003	1	A
Lindane	ND		ug/l	0.014	0.003	1	A
Alpha-BHC	ND		ug/l	0.014	0.003	1	A
Beta-BHC	ND		ug/l	0.014	0.004	1	A
Heptachlor	ND		ug/l	0.014	0.002	1	A
Aldrin	ND		ug/l	0.014	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.014	0.003	1	A
Endrin	ND		ug/l	0.029	0.003	1	A
Endrin aldehyde	ND		ug/l	0.029	0.006	1	A
Endrin ketone	ND		ug/l	0.029	0.003	1	A
Dieldrin	0.016	J	ug/l	0.029	0.003	1	B
4,4'-DDE	0.003	J	ug/l	0.029	0.003	1	B
4,4'-DDD	ND		ug/l	0.029	0.003	1	A
4,4'-DDT	0.012	J	ug/l	0.029	0.003	1	A
Endosulfan I	ND		ug/l	0.014	0.002	1	A
Endosulfan II	ND		ug/l	0.029	0.004	1	A
Endosulfan sulfate	ND		ug/l	0.029	0.003	1	A
Methoxychlor	ND		ug/l	0.143	0.005	1	A
Toxaphene	ND		ug/l	0.143	0.045	1	A
cis-Chlordane	0.005	J	ug/l	0.014	0.005	1	B
trans-Chlordane	0.005	J	ug/l	0.014	0.004	1	A
Chlordane	ND		ug/l	0.143	0.033	1	A

Project Name: SENDERO VERDE
Lab Number: L1815892
Project Number: 2984.0001Y000
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815892-07
Client ID: SB-1/GW
Sample Location: EAST HARLEM, NY
Date Collected: 05/03/18 10:30
Date Received: 05/03/18
Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		30-150	A
Decachlorobiphenyl	65		30-150	A
2,4,5,6-Tetrachloro-m-xylene	65		30-150	B
Decachlorobiphenyl	58		30-150	B

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815892
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815892-08
Client ID: SB-1/GW - FILTERED
Sample Location: EAST HARLEM, NY

Date Collected: 05/03/18 10:30
Date Received: 05/03/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 05/07/18 19:22
Analyst: JW

Extraction Method: EPA 3510C
Extraction Date: 05/06/18 13:41

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.014	0.003	1	A
Lindane	ND		ug/l	0.014	0.003	1	A
Alpha-BHC	ND		ug/l	0.014	0.003	1	A
Beta-BHC	ND		ug/l	0.014	0.004	1	A
Heptachlor	ND		ug/l	0.014	0.002	1	A
Aldrin	ND		ug/l	0.014	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.014	0.003	1	A
Endrin	ND		ug/l	0.029	0.003	1	A
Endrin aldehyde	ND		ug/l	0.029	0.006	1	A
Endrin ketone	ND		ug/l	0.029	0.003	1	A
Dieldrin	0.010	J	ug/l	0.029	0.003	1	B
4,4'-DDE	ND		ug/l	0.029	0.003	1	A
4,4'-DDD	ND		ug/l	0.029	0.003	1	A
4,4'-DDT	ND		ug/l	0.029	0.003	1	B
Endosulfan I	ND		ug/l	0.014	0.002	1	A
Endosulfan II	ND		ug/l	0.029	0.004	1	A
Endosulfan sulfate	ND		ug/l	0.029	0.003	1	A
Methoxychlor	ND		ug/l	0.143	0.005	1	A
Toxaphene	ND		ug/l	0.143	0.045	1	A
cis-Chlordane	ND		ug/l	0.014	0.005	1	B
trans-Chlordane	ND		ug/l	0.014	0.004	1	A
Chlordane	ND		ug/l	0.143	0.033	1	A

Project Name: SENDERO VERDE
Lab Number: L1815892
Project Number: 2984.0001Y000
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815892-08
Client ID: SB-1/GW - FILTERED
Sample Location: EAST HARLEM, NY
Date Collected: 05/03/18 10:30
Date Received: 05/03/18
Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		30-150	A
Decachlorobiphenyl	65		30-150	A
2,4,5,6-Tetrachloro-m-xylene	65		30-150	B
Decachlorobiphenyl	68		30-150	B

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815892
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815892-09
Client ID: SB-9/GW
Sample Location: EAST HARLEM, NY

Date Collected: 05/03/18 14:00
Date Received: 05/03/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 05/07/18 01:43
Analyst: KEG

Extraction Method: EPA 3510C
Extraction Date: 05/04/18 12:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.014	0.003	1	A
Lindane	ND		ug/l	0.014	0.003	1	A
Alpha-BHC	ND		ug/l	0.014	0.003	1	A
Beta-BHC	ND		ug/l	0.014	0.004	1	A
Heptachlor	ND		ug/l	0.014	0.002	1	A
Aldrin	ND		ug/l	0.014	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.014	0.003	1	A
Endrin	ND		ug/l	0.029	0.003	1	A
Endrin aldehyde	0.009	J	ug/l	0.029	0.006	1	B
Endrin ketone	ND		ug/l	0.029	0.003	1	A
Dieldrin	ND		ug/l	0.029	0.003	1	A
4,4'-DDE	ND		ug/l	0.029	0.003	1	A
4,4'-DDD	ND		ug/l	0.029	0.003	1	A
4,4'-DDT	0.004	J	ug/l	0.029	0.003	1	A
Endosulfan I	ND		ug/l	0.014	0.002	1	A
Endosulfan II	ND		ug/l	0.029	0.004	1	A
Endosulfan sulfate	ND		ug/l	0.029	0.003	1	A
Methoxychlor	ND		ug/l	0.143	0.005	1	A
Toxaphene	ND		ug/l	0.143	0.045	1	A
cis-Chlordane	ND		ug/l	0.014	0.005	1	A
trans-Chlordane	ND		ug/l	0.014	0.004	1	A
Chlordane	ND		ug/l	0.143	0.033	1	A

Project Name: SENDERO VERDE
Lab Number: L1815892
Project Number: 2984.0001Y000
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815892-09
Client ID: SB-9/GW
Sample Location: EAST HARLEM, NY
Date Collected: 05/03/18 14:00
Date Received: 05/03/18
Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	64		30-150	A
Decachlorobiphenyl	63		30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		30-150	B
Decachlorobiphenyl	61		30-150	B

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815892
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815892-10
Client ID: SB-9/GW - FILTERED
Sample Location: EAST HARLEM, NY

Date Collected: 05/03/18 14:00
Date Received: 05/03/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 05/07/18 19:34
Analyst: JW

Extraction Method: EPA 3510C
Extraction Date: 05/06/18 13:41

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.014	0.003	1	A
Lindane	ND		ug/l	0.014	0.003	1	A
Alpha-BHC	ND		ug/l	0.014	0.003	1	A
Beta-BHC	ND		ug/l	0.014	0.004	1	A
Heptachlor	ND		ug/l	0.014	0.002	1	A
Aldrin	ND		ug/l	0.014	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.014	0.003	1	A
Endrin	ND		ug/l	0.029	0.003	1	A
Endrin aldehyde	ND		ug/l	0.029	0.006	1	A
Endrin ketone	ND		ug/l	0.029	0.003	1	A
Dieldrin	ND		ug/l	0.029	0.003	1	A
4,4'-DDE	ND		ug/l	0.029	0.003	1	A
4,4'-DDD	ND		ug/l	0.029	0.003	1	A
4,4'-DDT	ND		ug/l	0.029	0.003	1	A
Endosulfan I	ND		ug/l	0.014	0.002	1	A
Endosulfan II	ND		ug/l	0.029	0.004	1	A
Endosulfan sulfate	ND		ug/l	0.029	0.003	1	A
Methoxychlor	ND		ug/l	0.143	0.005	1	A
Toxaphene	ND		ug/l	0.143	0.045	1	A
cis-Chlordane	ND		ug/l	0.014	0.005	1	A
trans-Chlordane	ND		ug/l	0.014	0.004	1	A
Chlordane	ND		ug/l	0.143	0.033	1	A

Project Name: SENDERO VERDE **Lab Number:** L1815892

Project Number: 2984.0001Y000 **Report Date:** 05/09/18

SAMPLE RESULTS

Lab ID: L1815892-10 Date Collected: 05/03/18 14:00

Client ID: SB-9/GW - FILTERED Date Received: 05/03/18

Sample Location: EAST HARLEM, NY Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		30-150	A
Decachlorobiphenyl	60		30-150	A
2,4,5,6-Tetrachloro-m-xylene	60		30-150	B
Decachlorobiphenyl	72		30-150	B

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815892
Report Date: 05/09/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 05/07/18 00:14
Analyst: KEG

Extraction Method: EPA 3510C
Extraction Date: 05/04/18 12:15

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 07,09 Batch: WG1112697-1						
Delta-BHC	ND		ug/l	0.014	0.003	A
Lindane	ND		ug/l	0.014	0.003	A
Alpha-BHC	ND		ug/l	0.014	0.003	A
Beta-BHC	ND		ug/l	0.014	0.004	A
Heptachlor	ND		ug/l	0.014	0.002	A
Aldrin	ND		ug/l	0.014	0.002	A
Heptachlor epoxide	ND		ug/l	0.014	0.003	A
Endrin	ND		ug/l	0.029	0.003	A
Endrin aldehyde	ND		ug/l	0.029	0.006	A
Endrin ketone	ND		ug/l	0.029	0.003	A
Dieldrin	ND		ug/l	0.029	0.003	A
4,4'-DDE	ND		ug/l	0.029	0.003	A
4,4'-DDD	ND		ug/l	0.029	0.003	A
4,4'-DDT	ND		ug/l	0.029	0.003	A
Endosulfan I	ND		ug/l	0.014	0.002	A
Endosulfan II	ND		ug/l	0.029	0.004	A
Endosulfan sulfate	ND		ug/l	0.029	0.003	A
Methoxychlor	ND		ug/l	0.143	0.005	A
Toxaphene	ND		ug/l	0.143	0.045	A
cis-Chlordane	ND		ug/l	0.014	0.005	A
trans-Chlordane	ND		ug/l	0.014	0.004	A
Chlordane	ND		ug/l	0.143	0.033	A

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815892
Report Date: 05/09/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 05/07/18 00:14
Analyst: KEG

Extraction Method: EPA 3510C
Extraction Date: 05/04/18 12:15

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 07,09 Batch: WG1112697-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	55		30-150	A
Decachlorobiphenyl	50		30-150	A
2,4,5,6-Tetrachloro-m-xylene	57		30-150	B
Decachlorobiphenyl	49		30-150	B

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815892
Report Date: 05/09/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 05/06/18 20:23
Analyst: JW

Extraction Method: EPA 3546
Extraction Date: 05/05/18 00:19
Cleanup Method: EPA 3620B
Cleanup Date: 05/05/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01,03,05 Batch: WG1112849-1						
Delta-BHC	ND		ug/kg	1.52	0.298	A
Lindane	ND		ug/kg	0.634	0.283	A
Alpha-BHC	ND		ug/kg	0.634	0.180	A
Beta-BHC	ND		ug/kg	1.52	0.577	A
Heptachlor	ND		ug/kg	0.760	0.341	A
Aldrin	ND		ug/kg	1.52	0.535	A
Heptachlor epoxide	ND		ug/kg	2.85	0.856	A
Endrin	ND		ug/kg	0.634	0.260	A
Endrin aldehyde	ND		ug/kg	1.90	0.665	A
Endrin ketone	ND		ug/kg	1.52	0.392	A
Dieldrin	ND		ug/kg	0.950	0.475	A
4,4'-DDE	ND		ug/kg	1.52	0.352	A
4,4'-DDD	ND		ug/kg	1.52	0.542	A
4,4'-DDT	ND		ug/kg	2.85	1.22	A
Endosulfan I	ND		ug/kg	1.52	0.359	A
Endosulfan II	ND		ug/kg	1.52	0.508	A
Endosulfan sulfate	ND		ug/kg	0.634	0.302	A
Methoxychlor	ND		ug/kg	2.85	0.887	A
Toxaphene	ND		ug/kg	28.5	7.98	A
cis-Chlordane	ND		ug/kg	1.90	0.530	A
trans-Chlordane	ND		ug/kg	1.90	0.502	A
Chlordane	ND		ug/kg	12.4	5.04	A

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815892
Report Date: 05/09/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 05/06/18 20:23
Analyst: JW

Extraction Method: EPA 3546
Extraction Date: 05/05/18 00:19
Cleanup Method: EPA 3620B
Cleanup Date: 05/05/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01,03,05 Batch: WG1112849-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		30-150	B
Decachlorobiphenyl	69		30-150	B
2,4,5,6-Tetrachloro-m-xylene	76		30-150	A
Decachlorobiphenyl	61		30-150	A

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815892
Report Date: 05/09/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 05/07/18 17:41
Analyst: KEG

Extraction Method: EPA 3510C
Extraction Date: 05/06/18 13:41

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 08,10 Batch: WG1113101-1						
Delta-BHC	ND		ug/l	0.014	0.003	A
Lindane	ND		ug/l	0.014	0.003	A
Alpha-BHC	ND		ug/l	0.014	0.003	A
Beta-BHC	ND		ug/l	0.014	0.004	A
Heptachlor	ND		ug/l	0.014	0.002	A
Aldrin	ND		ug/l	0.014	0.002	A
Heptachlor epoxide	ND		ug/l	0.014	0.003	A
Endrin	ND		ug/l	0.029	0.003	A
Endrin aldehyde	ND		ug/l	0.029	0.006	A
Endrin ketone	ND		ug/l	0.029	0.003	A
Dieldrin	ND		ug/l	0.029	0.003	A
4,4'-DDE	ND		ug/l	0.029	0.003	A
4,4'-DDD	ND		ug/l	0.029	0.003	A
4,4'-DDT	0.015	J	ug/l	0.029	0.003	A
Endosulfan I	ND		ug/l	0.014	0.002	A
Endosulfan II	ND		ug/l	0.029	0.004	A
Endosulfan sulfate	ND		ug/l	0.029	0.003	A
Methoxychlor	ND		ug/l	0.143	0.005	A
Toxaphene	ND		ug/l	0.143	0.045	A
cis-Chlordane	ND		ug/l	0.014	0.005	A
trans-Chlordane	ND		ug/l	0.014	0.004	A
Chlordane	ND		ug/l	0.143	0.033	A

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815892
Report Date: 05/09/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 05/07/18 17:41
Analyst: KEG

Extraction Method: EPA 3510C
Extraction Date: 05/06/18 13:41

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 08,10 Batch: WG1113101-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		30-150	A
Decachlorobiphenyl	44		30-150	A
2,4,5,6-Tetrachloro-m-xylene	60		30-150	B
Decachlorobiphenyl	46		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815892
Report Date: 05/09/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 07,09 Batch: WG1112697-2 WG1112697-3									
Delta-BHC	65		75		30-150	15		20	A
Lindane	63		73		30-150	15		20	A
Alpha-BHC	62		71		30-150	13		20	A
Beta-BHC	62		68		30-150	9		20	A
Heptachlor	58		69		30-150	18		20	A
Aldrin	57		66		30-150	16		20	A
Heptachlor epoxide	60		70		30-150	15		20	A
Endrin	66		77		30-150	16		20	A
Endrin aldehyde	48		60		30-150	**22**	Q	20	A
Endrin ketone	66		76		30-150	15		20	A
Dieldrin	62		73		30-150	17		20	A
4,4'-DDE	57		67		30-150	17		20	A
4,4'-DDD	62		74		30-150	17		20	A
4,4'-DDT	69		80		30-150	15		20	A
Endosulfan I	55		65		30-150	16		20	A
Endosulfan II	57		66		30-150	15		20	A
Endosulfan sulfate	53		63		30-150	17		20	A
Methoxychlor	87		101		30-150	14		20	A
cis-Chlordane	49		62		30-150	**23**	Q	20	A
trans-Chlordane	45		60		30-150	**28**	Q	20	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: SENDERO VERDE

Project Number: 2984.0001Y000

Lab Number: L1815892

Report Date: 05/09/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 07,09 Batch: WG1112697-2 WG1112697-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	52		58		30-150	A
Decachlorobiphenyl	53		60		30-150	A
2,4,5,6-Tetrachloro-m-xylene	54		62		30-150	B
Decachlorobiphenyl	56		61		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: SENDERO VERDE

Project Number: 2984.0001Y000

Lab Number: L1815892

Report Date: 05/09/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01,03,05 Batch: WG1112849-2 WG1112849-3									
Delta-BHC	95		108		30-150	13		30	A
Lindane	93		104		30-150	11		30	A
Alpha-BHC	91		102		30-150	11		30	A
Beta-BHC	91		115		30-150	23		30	A
Heptachlor	96		107		30-150	11		30	A
Aldrin	92		101		30-150	9		30	A
Heptachlor epoxide	90		100		30-150	11		30	A
Endrin	100		115		30-150	14		30	A
Endrin aldehyde	53		74		30-150	**33**	Q	30	A
Endrin ketone	82		106		30-150	26		30	A
Dieldrin	93		110		30-150	17		30	A
4,4'-DDE	85		94		30-150	10		30	A
4,4'-DDD	90		105		30-150	15		30	A
4,4'-DDT	98		119		30-150	19		30	A
Endosulfan I	84		94		30-150	11		30	A
Endosulfan II	81		95		30-150	16		30	A
Endosulfan sulfate	45		62		30-150	**32**	Q	30	A
Methoxychlor	112		138		30-150	21		30	A
cis-Chlordane	75		84		30-150	11		30	A
trans-Chlordane	70		75		30-150	7		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: SENDERO VERDE

Project Number: 2984.0001Y000

Lab Number: L1815892

Report Date: 05/09/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01,03,05 Batch: WG1112849-2 WG1112849-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		84		30-150	B
Decachlorobiphenyl	76		86		30-150	B
2,4,5,6-Tetrachloro-m-xylene	70		77		30-150	A
Decachlorobiphenyl	72		78		30-150	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: SENDERO VERDE

Project Number: 2984.0001Y000

Lab Number: L1815892

Report Date: 05/09/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 08,10 Batch: WG1113101-2 WG1113101-3									
Delta-BHC	78		73		30-150	6		20	A
Lindane	76		71		30-150	6		20	A
Alpha-BHC	75		70		30-150	7		20	A
Beta-BHC	72		71		30-150	2		20	A
Heptachlor	70		67		30-150	5		20	A
Aldrin	71		66		30-150	7		20	A
Heptachlor epoxide	72		69		30-150	4		20	A
Endrin	78		78		30-150	1		20	A
Endrin aldehyde	51		48		30-150	7		20	A
Endrin ketone	71		71		30-150	0		20	A
Dieldrin	75		72		30-150	3		20	A
4,4'-DDE	69		64		30-150	6		20	A
4,4'-DDD	70		68		30-150	2		20	A
4,4'-DDT	66		66		30-150	0		20	A
Endosulfan I	73		66		30-150	9		20	A
Endosulfan II	63		63		30-150	0		20	A
Endosulfan sulfate	62		62		30-150	0		20	A
Methoxychlor	85		99		30-150	16		20	A
cis-Chlordane	65		61		30-150	6		20	A
trans-Chlordane	67		63		30-150	6		20	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: SENDERO VERDE

Project Number: 2984.0001Y000

Lab Number: L1815892

Report Date: 05/09/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 08,10 Batch: WG1113101-2 WG1113101-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	61		56		30-150	A
Decachlorobiphenyl	54		56		30-150	A
2,4,5,6-Tetrachloro-m-xylene	59		52		30-150	B
Decachlorobiphenyl	54		54		30-150	B

METALS

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815892
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815892-01
Client ID: SB-9 (14.5-16.5)
Sample Location: EAST HARLEM, NY
Date Collected: 05/03/18 09:20
Date Received: 05/03/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	2900		mg/kg	9.30	2.51	2	05/04/18 19:40	05/07/18 21:11	EPA 3050B	1,6010C	LC
Antimony, Total	ND		mg/kg	4.65	0.353	2	05/04/18 19:40	05/07/18 21:11	EPA 3050B	1,6010C	LC
Arsenic, Total	1.35		mg/kg	0.930	0.193	2	05/04/18 19:40	05/07/18 21:11	EPA 3050B	1,6010C	LC
Barium, Total	21.8		mg/kg	0.930	0.162	2	05/04/18 19:40	05/07/18 21:11	EPA 3050B	1,6010C	LC
Beryllium, Total	0.232	J	mg/kg	0.465	0.031	2	05/04/18 19:40	05/07/18 21:11	EPA 3050B	1,6010C	LC
Cadmium, Total	ND		mg/kg	0.930	0.091	2	05/04/18 19:40	05/07/18 21:11	EPA 3050B	1,6010C	LC
Calcium, Total	608		mg/kg	9.30	3.25	2	05/04/18 19:40	05/07/18 21:11	EPA 3050B	1,6010C	LC
Chromium, Total	9.57		mg/kg	0.930	0.089	2	05/04/18 19:40	05/07/18 21:11	EPA 3050B	1,6010C	LC
Cobalt, Total	2.48		mg/kg	1.86	0.154	2	05/04/18 19:40	05/07/18 21:11	EPA 3050B	1,6010C	LC
Copper, Total	11.2		mg/kg	0.930	0.240	2	05/04/18 19:40	05/07/18 21:11	EPA 3050B	1,6010C	LC
Iron, Total	7200		mg/kg	4.65	0.840	2	05/04/18 19:40	05/07/18 21:11	EPA 3050B	1,6010C	LC
Lead, Total	3.82	J	mg/kg	4.65	0.249	2	05/04/18 19:40	05/07/18 21:11	EPA 3050B	1,6010C	LC
Magnesium, Total	979		mg/kg	9.30	1.43	2	05/04/18 19:40	05/07/18 21:11	EPA 3050B	1,6010C	LC
Manganese, Total	43.9		mg/kg	0.930	0.148	2	05/04/18 19:40	05/07/18 21:11	EPA 3050B	1,6010C	LC
Mercury, Total	ND		mg/kg	0.077	0.016	1	05/04/18 07:20	05/04/18 12:58	EPA 7471B	1,7471B	MG
Nickel, Total	4.11		mg/kg	2.32	0.225	2	05/04/18 19:40	05/07/18 21:11	EPA 3050B	1,6010C	LC
Potassium, Total	590		mg/kg	232	13.4	2	05/04/18 19:40	05/07/18 21:11	EPA 3050B	1,6010C	LC
Selenium, Total	ND		mg/kg	1.86	0.240	2	05/04/18 19:40	05/07/18 21:11	EPA 3050B	1,6010C	LC
Silver, Total	ND		mg/kg	0.930	0.263	2	05/04/18 19:40	05/07/18 21:11	EPA 3050B	1,6010C	LC
Sodium, Total	89.8	J	mg/kg	186	2.93	2	05/04/18 19:40	05/07/18 21:11	EPA 3050B	1,6010C	LC
Thallium, Total	ND		mg/kg	1.86	0.293	2	05/04/18 19:40	05/07/18 21:11	EPA 3050B	1,6010C	LC
Vanadium, Total	10.2		mg/kg	0.930	0.189	2	05/04/18 19:40	05/07/18 21:11	EPA 3050B	1,6010C	LC
Zinc, Total	10.5		mg/kg	4.65	0.272	2	05/04/18 19:40	05/07/18 21:11	EPA 3050B	1,6010C	LC

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815892
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815892-03
Client ID: SB-8 (18-20)
Sample Location: EAST HARLEM, NY
Sample Depth:
Matrix: Soil
Percent Solids: 78%

Date Collected: 05/03/18 12:00
Date Received: 05/03/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	3790		mg/kg	10.2	2.75	2	05/04/18 19:40	05/07/18 21:28	EPA 3050B	1,6010C	LC
Antimony, Total	ND		mg/kg	5.09	0.386	2	05/04/18 19:40	05/07/18 21:28	EPA 3050B	1,6010C	LC
Arsenic, Total	0.926	J	mg/kg	1.02	0.212	2	05/04/18 19:40	05/07/18 21:28	EPA 3050B	1,6010C	LC
Barium, Total	31.8		mg/kg	1.02	0.177	2	05/04/18 19:40	05/07/18 21:28	EPA 3050B	1,6010C	LC
Beryllium, Total	0.214	J	mg/kg	0.509	0.034	2	05/04/18 19:40	05/07/18 21:28	EPA 3050B	1,6010C	LC
Cadmium, Total	ND		mg/kg	1.02	0.100	2	05/04/18 19:40	05/07/18 21:28	EPA 3050B	1,6010C	LC
Calcium, Total	1070		mg/kg	10.2	3.56	2	05/04/18 19:40	05/07/18 21:28	EPA 3050B	1,6010C	LC
Chromium, Total	8.56		mg/kg	1.02	0.098	2	05/04/18 19:40	05/07/18 21:28	EPA 3050B	1,6010C	LC
Cobalt, Total	3.84		mg/kg	2.03	0.169	2	05/04/18 19:40	05/07/18 21:28	EPA 3050B	1,6010C	LC
Copper, Total	8.33		mg/kg	1.02	0.262	2	05/04/18 19:40	05/07/18 21:28	EPA 3050B	1,6010C	LC
Iron, Total	9900		mg/kg	5.09	0.919	2	05/04/18 19:40	05/07/18 21:28	EPA 3050B	1,6010C	LC
Lead, Total	3.80	J	mg/kg	5.09	0.273	2	05/04/18 19:40	05/07/18 21:28	EPA 3050B	1,6010C	LC
Magnesium, Total	1470		mg/kg	10.2	1.57	2	05/04/18 19:40	05/07/18 21:28	EPA 3050B	1,6010C	LC
Manganese, Total	355		mg/kg	1.02	0.162	2	05/04/18 19:40	05/07/18 21:28	EPA 3050B	1,6010C	LC
Mercury, Total	ND		mg/kg	0.081	0.017	1	05/04/18 07:20	05/04/18 13:00	EPA 7471B	1,7471B	MG
Nickel, Total	9.47		mg/kg	2.54	0.246	2	05/04/18 19:40	05/07/18 21:28	EPA 3050B	1,6010C	LC
Potassium, Total	684		mg/kg	254	14.6	2	05/04/18 19:40	05/07/18 21:28	EPA 3050B	1,6010C	LC
Selenium, Total	ND		mg/kg	2.03	0.262	2	05/04/18 19:40	05/07/18 21:28	EPA 3050B	1,6010C	LC
Silver, Total	ND		mg/kg	1.02	0.288	2	05/04/18 19:40	05/07/18 21:28	EPA 3050B	1,6010C	LC
Sodium, Total	59.0	J	mg/kg	203	3.20	2	05/04/18 19:40	05/07/18 21:28	EPA 3050B	1,6010C	LC
Thallium, Total	ND		mg/kg	2.03	0.320	2	05/04/18 19:40	05/07/18 21:28	EPA 3050B	1,6010C	LC
Vanadium, Total	13.2		mg/kg	1.02	0.206	2	05/04/18 19:40	05/07/18 21:28	EPA 3050B	1,6010C	LC
Zinc, Total	14.8		mg/kg	5.09	0.298	2	05/04/18 19:40	05/07/18 21:28	EPA 3050B	1,6010C	LC

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815892
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815892-05
Client ID: SB-7 (11-13)
Sample Location: EAST HARLEM, NY
Date Collected: 05/03/18 13:40
Date Received: 05/03/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5480		mg/kg	8.40	2.27	2	05/04/18 19:40	05/07/18 21:33	EPA 3050B	1,6010C	LC
Antimony, Total	ND		mg/kg	4.20	0.319	2	05/04/18 19:40	05/07/18 21:33	EPA 3050B	1,6010C	LC
Arsenic, Total	0.731	J	mg/kg	0.840	0.175	2	05/04/18 19:40	05/07/18 21:33	EPA 3050B	1,6010C	LC
Barium, Total	42.5		mg/kg	0.840	0.146	2	05/04/18 19:40	05/07/18 21:33	EPA 3050B	1,6010C	LC
Beryllium, Total	0.168	J	mg/kg	0.420	0.028	2	05/04/18 19:40	05/07/18 21:33	EPA 3050B	1,6010C	LC
Cadmium, Total	ND		mg/kg	0.840	0.082	2	05/04/18 19:40	05/07/18 21:33	EPA 3050B	1,6010C	LC
Calcium, Total	9830		mg/kg	8.40	2.94	2	05/04/18 19:40	05/07/18 21:33	EPA 3050B	1,6010C	LC
Chromium, Total	10.2		mg/kg	0.840	0.081	2	05/04/18 19:40	05/07/18 21:33	EPA 3050B	1,6010C	LC
Cobalt, Total	4.46		mg/kg	1.68	0.139	2	05/04/18 19:40	05/07/18 21:33	EPA 3050B	1,6010C	LC
Copper, Total	14.9		mg/kg	0.840	0.217	2	05/04/18 19:40	05/07/18 21:33	EPA 3050B	1,6010C	LC
Iron, Total	9040		mg/kg	4.20	0.758	2	05/04/18 19:40	05/07/18 21:33	EPA 3050B	1,6010C	LC
Lead, Total	7.78		mg/kg	4.20	0.225	2	05/04/18 19:40	05/07/18 21:33	EPA 3050B	1,6010C	LC
Magnesium, Total	2670		mg/kg	8.40	1.29	2	05/04/18 19:40	05/07/18 21:33	EPA 3050B	1,6010C	LC
Manganese, Total	110		mg/kg	0.840	0.134	2	05/04/18 19:40	05/07/18 21:33	EPA 3050B	1,6010C	LC
Mercury, Total	0.022	J	mg/kg	0.068	0.014	1	05/04/18 07:20	05/04/18 13:02	EPA 7471B	1,7471B	MG
Nickel, Total	9.15		mg/kg	2.10	0.203	2	05/04/18 19:40	05/07/18 21:33	EPA 3050B	1,6010C	LC
Potassium, Total	1770		mg/kg	210	12.1	2	05/04/18 19:40	05/07/18 21:33	EPA 3050B	1,6010C	LC
Selenium, Total	ND		mg/kg	1.68	0.217	2	05/04/18 19:40	05/07/18 21:33	EPA 3050B	1,6010C	LC
Silver, Total	ND		mg/kg	0.840	0.238	2	05/04/18 19:40	05/07/18 21:33	EPA 3050B	1,6010C	LC
Sodium, Total	117	J	mg/kg	168	2.64	2	05/04/18 19:40	05/07/18 21:33	EPA 3050B	1,6010C	LC
Thallium, Total	ND		mg/kg	1.68	0.264	2	05/04/18 19:40	05/07/18 21:33	EPA 3050B	1,6010C	LC
Vanadium, Total	13.6		mg/kg	0.840	0.170	2	05/04/18 19:40	05/07/18 21:33	EPA 3050B	1,6010C	LC
Zinc, Total	23.4		mg/kg	4.20	0.246	2	05/04/18 19:40	05/07/18 21:33	EPA 3050B	1,6010C	LC

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815892
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815892-07
Client ID: SB-1/GW
Sample Location: EAST HARLEM, NY
Date Collected: 05/03/18 10:30
Date Received: 05/03/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	2.73		mg/l	0.0100	0.00327	1	05/04/18 13:45	05/07/18 18:00	EPA 3005A	1,6020A	AM
Antimony, Total	0.00746		mg/l	0.00400	0.00042	1	05/04/18 13:45	05/07/18 18:00	EPA 3005A	1,6020A	AM
Arsenic, Total	0.00195		mg/l	0.00050	0.00016	1	05/04/18 13:45	05/07/18 18:00	EPA 3005A	1,6020A	AM
Barium, Total	0.1686		mg/l	0.00050	0.00017	1	05/04/18 13:45	05/07/18 18:00	EPA 3005A	1,6020A	AM
Beryllium, Total	0.00023	J	mg/l	0.00050	0.00010	1	05/04/18 13:45	05/07/18 18:00	EPA 3005A	1,6020A	AM
Cadmium, Total	0.00021		mg/l	0.00020	0.00005	1	05/04/18 13:45	05/07/18 18:00	EPA 3005A	1,6020A	AM
Calcium, Total	34.2		mg/l	0.100	0.0394	1	05/04/18 13:45	05/07/18 18:00	EPA 3005A	1,6020A	AM
Chromium, Total	0.01004		mg/l	0.00100	0.00017	1	05/04/18 13:45	05/07/18 18:00	EPA 3005A	1,6020A	AM
Cobalt, Total	0.00273		mg/l	0.00050	0.00016	1	05/04/18 13:45	05/07/18 18:00	EPA 3005A	1,6020A	AM
Copper, Total	0.01336		mg/l	0.00150	0.00038	1	05/04/18 13:45	05/07/18 18:00	EPA 3005A	1,6020A	AM
Iron, Total	3.55		mg/l	0.0500	0.0191	1	05/04/18 13:45	05/07/18 18:00	EPA 3005A	1,6020A	AM
Lead, Total	0.1214		mg/l	0.00100	0.00034	1	05/04/18 13:45	05/07/18 18:00	EPA 3005A	1,6020A	AM
Magnesium, Total	2.85		mg/l	0.0700	0.0242	1	05/04/18 13:45	05/07/18 18:00	EPA 3005A	1,6020A	AM
Manganese, Total	0.1657		mg/l	0.00100	0.00044	1	05/04/18 13:45	05/07/18 18:00	EPA 3005A	1,6020A	AM
Mercury, Total	ND		mg/l	0.00020	0.00006	1	05/04/18 10:28	05/04/18 20:28	EPA 7470A	1,7470A	EA
Nickel, Total	0.00588		mg/l	0.00200	0.00055	1	05/04/18 13:45	05/07/18 18:00	EPA 3005A	1,6020A	AM
Potassium, Total	1.34		mg/l	0.100	0.0309	1	05/04/18 13:45	05/07/18 18:00	EPA 3005A	1,6020A	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	05/04/18 13:45	05/07/18 18:00	EPA 3005A	1,6020A	AM
Silver, Total	0.00030	J	mg/l	0.00040	0.00016	1	05/04/18 13:45	05/07/18 18:00	EPA 3005A	1,6020A	AM
Sodium, Total	12.4		mg/l	0.100	0.0293	1	05/04/18 13:45	05/07/18 18:00	EPA 3005A	1,6020A	AM
Thallium, Total	0.00017	J	mg/l	0.00050	0.00014	1	05/04/18 13:45	05/07/18 18:00	EPA 3005A	1,6020A	AM
Vanadium, Total	0.00741		mg/l	0.00500	0.00157	1	05/04/18 13:45	05/07/18 18:00	EPA 3005A	1,6020A	AM
Zinc, Total	0.09571		mg/l	0.01000	0.00341	1	05/04/18 13:45	05/07/18 18:00	EPA 3005A	1,6020A	AM

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815892
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815892-08
Client ID: SB-1/GW - FILTERED
Sample Location: EAST HARLEM, NY
Date Collected: 05/03/18 10:30
Date Received: 05/03/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	0.0198		mg/l	0.0100	0.00327	1	05/05/18 11:05	05/07/18 11:46	EPA 3005A	1,6020A	AM
Antimony, Dissolved	0.00055	J	mg/l	0.00400	0.00042	1	05/05/18 11:05	05/07/18 11:46	EPA 3005A	1,6020A	AM
Arsenic, Dissolved	0.00071		mg/l	0.00050	0.00016	1	05/05/18 11:05	05/07/18 11:46	EPA 3005A	1,6020A	AM
Barium, Dissolved	0.01873		mg/l	0.00050	0.00017	1	05/05/18 11:05	05/07/18 11:46	EPA 3005A	1,6020A	AM
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	05/05/18 11:05	05/07/18 11:46	EPA 3005A	1,6020A	AM
Cadmium, Dissolved	0.00033		mg/l	0.00020	0.00005	1	05/05/18 11:05	05/07/18 11:46	EPA 3005A	1,6020A	AM
Calcium, Dissolved	33.2		mg/l	0.100	0.0394	1	05/05/18 11:05	05/07/18 11:46	EPA 3005A	1,6020A	AM
Chromium, Dissolved	0.00101		mg/l	0.00100	0.00017	1	05/05/18 11:05	05/07/18 11:46	EPA 3005A	1,6020A	AM
Cobalt, Dissolved	ND		mg/l	0.00050	0.00016	1	05/05/18 11:05	05/07/18 11:46	EPA 3005A	1,6020A	AM
Copper, Dissolved	0.00219		mg/l	0.00200	0.00038	1	05/05/18 11:05	05/07/18 11:46	EPA 3005A	1,6020A	AM
Iron, Dissolved	ND		mg/l	0.0500	0.0191	1	05/05/18 11:05	05/07/18 11:46	EPA 3005A	1,6020A	AM
Lead, Dissolved	0.00043	J	mg/l	0.00100	0.00034	1	05/05/18 11:05	05/07/18 11:46	EPA 3005A	1,6020A	AM
Magnesium, Dissolved	1.89		mg/l	0.0700	0.0242	1	05/05/18 11:05	05/07/18 11:46	EPA 3005A	1,6020A	AM
Manganese, Dissolved	0.01461		mg/l	0.00100	0.00044	1	05/05/18 11:05	05/07/18 11:46	EPA 3005A	1,6020A	AM
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	05/04/18 15:55	05/04/18 22:48	EPA 7470A	1,7470A	EA
Nickel, Dissolved	ND		mg/l	0.00200	0.00055	1	05/05/18 11:05	05/07/18 11:46	EPA 3005A	1,6020A	AM
Potassium, Dissolved	0.971		mg/l	0.100	0.0309	1	05/05/18 11:05	05/07/18 11:46	EPA 3005A	1,6020A	AM
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	05/05/18 11:05	05/07/18 11:46	EPA 3005A	1,6020A	AM
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	05/05/18 11:05	05/07/18 11:46	EPA 3005A	1,6020A	AM
Sodium, Dissolved	11.4		mg/l	0.100	0.0293	1	05/05/18 11:05	05/07/18 11:46	EPA 3005A	1,6020A	AM
Thallium, Dissolved	ND		mg/l	0.00050	0.00014	1	05/05/18 11:05	05/07/18 11:46	EPA 3005A	1,6020A	AM
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	05/05/18 11:05	05/07/18 11:46	EPA 3005A	1,6020A	AM
Zinc, Dissolved	0.00396	J	mg/l	0.01000	0.00341	1	05/05/18 11:05	05/07/18 11:46	EPA 3005A	1,6020A	AM

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815892
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815892-09
Client ID: SB-9/GW
Sample Location: EAST HARLEM, NY
Date Collected: 05/03/18 14:00
Date Received: 05/03/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	8.15		mg/l	0.0100	0.00327	1	05/04/18 13:45	05/07/18 18:04	EPA 3005A	1,6020A	AM
Antimony, Total	0.00167	J	mg/l	0.00400	0.00042	1	05/04/18 13:45	05/07/18 18:04	EPA 3005A	1,6020A	AM
Arsenic, Total	0.00423		mg/l	0.00050	0.00016	1	05/04/18 13:45	05/07/18 18:04	EPA 3005A	1,6020A	AM
Barium, Total	0.3283		mg/l	0.00050	0.00017	1	05/04/18 13:45	05/07/18 18:04	EPA 3005A	1,6020A	AM
Beryllium, Total	0.00080		mg/l	0.00050	0.00010	1	05/04/18 13:45	05/07/18 18:04	EPA 3005A	1,6020A	AM
Cadmium, Total	0.00018	J	mg/l	0.00020	0.00005	1	05/04/18 13:45	05/07/18 18:04	EPA 3005A	1,6020A	AM
Calcium, Total	85.5		mg/l	0.100	0.0394	1	05/04/18 13:45	05/07/18 18:04	EPA 3005A	1,6020A	AM
Chromium, Total	0.03215		mg/l	0.00100	0.00017	1	05/04/18 13:45	05/07/18 18:04	EPA 3005A	1,6020A	AM
Cobalt, Total	0.01368		mg/l	0.00050	0.00016	1	05/04/18 13:45	05/07/18 18:04	EPA 3005A	1,6020A	AM
Copper, Total	0.04376		mg/l	0.00150	0.00038	1	05/04/18 13:45	05/07/18 18:04	EPA 3005A	1,6020A	AM
Iron, Total	14.6		mg/l	0.0500	0.0191	1	05/04/18 13:45	05/07/18 18:04	EPA 3005A	1,6020A	AM
Lead, Total	0.01960		mg/l	0.00100	0.00034	1	05/04/18 13:45	05/07/18 18:04	EPA 3005A	1,6020A	AM
Magnesium, Total	21.6		mg/l	0.0700	0.0242	1	05/04/18 13:45	05/07/18 18:04	EPA 3005A	1,6020A	AM
Manganese, Total	1.540		mg/l	0.00100	0.00044	1	05/04/18 13:45	05/07/18 18:04	EPA 3005A	1,6020A	AM
Mercury, Total	ND		mg/l	0.00020	0.00006	1	05/04/18 10:28	05/04/18 20:30	EPA 7470A	1,7470A	EA
Nickel, Total	0.01988		mg/l	0.00200	0.00055	1	05/04/18 13:45	05/07/18 18:04	EPA 3005A	1,6020A	AM
Potassium, Total	5.57		mg/l	0.100	0.0309	1	05/04/18 13:45	05/07/18 18:04	EPA 3005A	1,6020A	AM
Selenium, Total	0.00247	J	mg/l	0.00500	0.00173	1	05/04/18 13:45	05/07/18 18:04	EPA 3005A	1,6020A	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	05/04/18 13:45	05/07/18 18:04	EPA 3005A	1,6020A	AM
Sodium, Total	74.0		mg/l	0.100	0.0293	1	05/04/18 13:45	05/07/18 18:04	EPA 3005A	1,6020A	AM
Thallium, Total	ND		mg/l	0.00050	0.00014	1	05/04/18 13:45	05/07/18 18:04	EPA 3005A	1,6020A	AM
Vanadium, Total	0.02998		mg/l	0.00500	0.00157	1	05/04/18 13:45	05/07/18 18:04	EPA 3005A	1,6020A	AM
Zinc, Total	0.03612		mg/l	0.01000	0.00341	1	05/04/18 13:45	05/07/18 18:04	EPA 3005A	1,6020A	AM

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815892
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815892-10
Client ID: SB-9/GW - FILTERED
Sample Location: EAST HARLEM, NY
Sample Depth:
Matrix: Water

Date Collected: 05/03/18 14:00
Date Received: 05/03/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	0.00396	J	mg/l	0.0100	0.00327	1	05/05/18 11:05	05/07/18 12:45	EPA 3005A	1,6020A	AM
Antimony, Dissolved	0.00085	J	mg/l	0.00400	0.00042	1	05/05/18 11:05	05/07/18 12:45	EPA 3005A	1,6020A	AM
Arsenic, Dissolved	0.00019	J	mg/l	0.00050	0.00016	1	05/05/18 11:05	05/07/18 12:45	EPA 3005A	1,6020A	AM
Barium, Dissolved	0.1004		mg/l	0.00050	0.00017	1	05/05/18 11:05	05/07/18 12:45	EPA 3005A	1,6020A	AM
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	05/05/18 11:05	05/07/18 12:45	EPA 3005A	1,6020A	AM
Cadmium, Dissolved	0.00006	J	mg/l	0.00020	0.00005	1	05/05/18 11:05	05/07/18 12:45	EPA 3005A	1,6020A	AM
Calcium, Dissolved	79.4		mg/l	0.100	0.0394	1	05/05/18 11:05	05/07/18 12:45	EPA 3005A	1,6020A	AM
Chromium, Dissolved	ND		mg/l	0.00100	0.00017	1	05/05/18 11:05	05/07/18 12:45	EPA 3005A	1,6020A	AM
Cobalt, Dissolved	0.00076		mg/l	0.00050	0.00016	1	05/05/18 11:05	05/07/18 12:45	EPA 3005A	1,6020A	AM
Copper, Dissolved	0.00174	J	mg/l	0.00200	0.00038	1	05/05/18 11:05	05/07/18 12:45	EPA 3005A	1,6020A	AM
Iron, Dissolved	ND		mg/l	0.0500	0.0191	1	05/05/18 11:05	05/07/18 12:45	EPA 3005A	1,6020A	AM
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	05/05/18 11:05	05/07/18 12:45	EPA 3005A	1,6020A	AM
Magnesium, Dissolved	17.8		mg/l	0.0700	0.0242	1	05/05/18 11:05	05/07/18 12:45	EPA 3005A	1,6020A	AM
Manganese, Dissolved	0.2125		mg/l	0.00100	0.00044	1	05/05/18 11:05	05/07/18 12:45	EPA 3005A	1,6020A	AM
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	05/04/18 15:55	05/04/18 23:11	EPA 7470A	1,7470A	EA
Nickel, Dissolved	0.00188	J	mg/l	0.00200	0.00055	1	05/05/18 11:05	05/07/18 12:45	EPA 3005A	1,6020A	AM
Potassium, Dissolved	4.42		mg/l	0.100	0.0309	1	05/05/18 11:05	05/07/18 12:45	EPA 3005A	1,6020A	AM
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	05/05/18 11:05	05/07/18 12:45	EPA 3005A	1,6020A	AM
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	05/05/18 11:05	05/07/18 12:45	EPA 3005A	1,6020A	AM
Sodium, Dissolved	68.3		mg/l	0.100	0.0293	1	05/05/18 11:05	05/07/18 12:45	EPA 3005A	1,6020A	AM
Thallium, Dissolved	ND		mg/l	0.00050	0.00014	1	05/05/18 11:05	05/07/18 12:45	EPA 3005A	1,6020A	AM
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	05/05/18 11:05	05/07/18 12:45	EPA 3005A	1,6020A	AM
Zinc, Dissolved	ND		mg/l	0.01000	0.00341	1	05/05/18 11:05	05/07/18 12:45	EPA 3005A	1,6020A	AM

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815892
Report Date: 05/09/18

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01,03,05 Batch: WG1112513-1										
Mercury, Total	ND		mg/kg	0.083	0.018	1	05/04/18 07:20	05/04/18 11:29	1,7471B	MG

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 07,09 Batch: WG1112632-1										
Mercury, Total	ND		mg/l	0.00020	0.00006	1	05/04/18 10:28	05/04/18 20:08	1,7470A	EA

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 07,09 Batch: WG1112712-1										
Aluminum, Total	ND		mg/l	0.0100	0.00327	1	05/04/18 13:45	05/07/18 16:19	1,6020A	AM
Antimony, Total	0.00072	J	mg/l	0.00400	0.00042	1	05/04/18 13:45	05/07/18 16:19	1,6020A	AM
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	05/04/18 13:45	05/07/18 16:19	1,6020A	AM
Barium, Total	ND		mg/l	0.00050	0.00017	1	05/04/18 13:45	05/07/18 16:19	1,6020A	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	05/04/18 13:45	05/07/18 16:19	1,6020A	AM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	05/04/18 13:45	05/07/18 16:19	1,6020A	AM
Calcium, Total	ND		mg/l	0.100	0.0394	1	05/04/18 13:45	05/07/18 16:19	1,6020A	AM
Chromium, Total	ND		mg/l	0.00100	0.00017	1	05/04/18 13:45	05/07/18 16:19	1,6020A	AM
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	05/04/18 13:45	05/07/18 16:19	1,6020A	AM
Copper, Total	ND		mg/l	0.00150	0.00038	1	05/04/18 13:45	05/07/18 16:19	1,6020A	AM
Iron, Total	ND		mg/l	0.0500	0.0191	1	05/04/18 13:45	05/07/18 16:19	1,6020A	AM
Lead, Total	ND		mg/l	0.00100	0.00034	1	05/04/18 13:45	05/07/18 16:19	1,6020A	AM
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	05/04/18 13:45	05/07/18 16:19	1,6020A	AM
Manganese, Total	ND		mg/l	0.00100	0.00044	1	05/04/18 13:45	05/07/18 16:19	1,6020A	AM
Nickel, Total	ND		mg/l	0.00200	0.00055	1	05/04/18 13:45	05/07/18 16:19	1,6020A	AM
Potassium, Total	ND		mg/l	0.100	0.0309	1	05/04/18 13:45	05/07/18 16:19	1,6020A	AM

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815892
Report Date: 05/09/18

Method Blank Analysis
Batch Quality Control

Selenium, Total	ND	mg/l	0.00500	0.00173	1	05/04/18 13:45	05/07/18 16:19	1,6020A	AM
Silver, Total	ND	mg/l	0.00040	0.00016	1	05/04/18 13:45	05/07/18 16:19	1,6020A	AM
Sodium, Total	ND	mg/l	0.100	0.0293	1	05/04/18 13:45	05/07/18 16:19	1,6020A	AM
Thallium, Total	ND	mg/l	0.00050	0.00014	1	05/04/18 13:45	05/07/18 16:19	1,6020A	AM
Vanadium, Total	ND	mg/l	0.00500	0.00157	1	05/04/18 13:45	05/07/18 16:19	1,6020A	AM
Zinc, Total	ND	mg/l	0.01000	0.00341	1	05/04/18 13:45	05/07/18 16:19	1,6020A	AM

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab for sample(s): 08,10 Batch: WG1112747-1										
Aluminum, Dissolved	ND		mg/l	0.0100	0.00327	1	05/05/18 11:05	05/07/18 11:34	1,6020A	AM
Antimony, Dissolved	0.00118	J	mg/l	0.00400	0.00042	1	05/05/18 11:05	05/07/18 11:34	1,6020A	AM
Arsenic, Dissolved	ND		mg/l	0.00050	0.00016	1	05/05/18 11:05	05/07/18 11:34	1,6020A	AM
Barium, Dissolved	ND		mg/l	0.00050	0.00017	1	05/05/18 11:05	05/07/18 11:34	1,6020A	AM
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	05/05/18 11:05	05/07/18 11:34	1,6020A	AM
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	05/05/18 11:05	05/07/18 11:34	1,6020A	AM
Calcium, Dissolved	ND		mg/l	0.100	0.0394	1	05/05/18 11:05	05/07/18 11:34	1,6020A	AM
Chromium, Dissolved	ND		mg/l	0.00100	0.00017	1	05/05/18 11:05	05/07/18 11:34	1,6020A	AM
Cobalt, Dissolved	ND		mg/l	0.00050	0.00016	1	05/05/18 11:05	05/07/18 11:34	1,6020A	AM
Copper, Dissolved	0.00171	J	mg/l	0.00200	0.00038	1	05/05/18 11:05	05/07/18 11:34	1,6020A	AM
Iron, Dissolved	0.0204	J	mg/l	0.0500	0.0191	1	05/05/18 11:05	05/07/18 11:34	1,6020A	AM
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	05/05/18 11:05	05/07/18 11:34	1,6020A	AM
Magnesium, Dissolved	ND		mg/l	0.0700	0.0242	1	05/05/18 11:05	05/07/18 11:34	1,6020A	AM
Manganese, Dissolved	ND		mg/l	0.00100	0.00044	1	05/05/18 11:05	05/07/18 11:34	1,6020A	AM
Nickel, Dissolved	ND		mg/l	0.00200	0.00055	1	05/05/18 11:05	05/07/18 11:34	1,6020A	AM
Potassium, Dissolved	ND		mg/l	0.100	0.0309	1	05/05/18 11:05	05/07/18 11:34	1,6020A	AM
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	05/05/18 11:05	05/07/18 11:34	1,6020A	AM
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	05/05/18 11:05	05/07/18 11:34	1,6020A	AM
Sodium, Dissolved	ND		mg/l	0.100	0.0293	1	05/05/18 11:05	05/07/18 11:34	1,6020A	AM
Thallium, Dissolved	ND		mg/l	0.00050	0.00014	1	05/05/18 11:05	05/07/18 11:34	1,6020A	AM
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	05/05/18 11:05	05/07/18 11:34	1,6020A	AM
Zinc, Dissolved	ND		mg/l	0.01000	0.00341	1	05/05/18 11:05	05/07/18 11:34	1,6020A	AM

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815892
Report Date: 05/09/18

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab for sample(s): 08,10 Batch: WG1112758-1										
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	05/04/18 15:55	05/04/18 22:41	1,7470A	EA

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01,03,05 Batch: WG1112806-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	05/04/18 19:40	05/07/18 19:19	1,6010C	LC
Antimony, Total	ND		mg/kg	2.00	0.152	1	05/04/18 19:40	05/07/18 19:19	1,6010C	LC
Arsenic, Total	0.104	J	mg/kg	0.400	0.083	1	05/04/18 19:40	05/07/18 19:19	1,6010C	LC
Barium, Total	ND		mg/kg	0.400	0.070	1	05/04/18 19:40	05/07/18 19:19	1,6010C	LC
Beryllium, Total	ND		mg/kg	0.200	0.013	1	05/04/18 19:40	05/07/18 19:19	1,6010C	LC
Cadmium, Total	ND		mg/kg	0.400	0.039	1	05/04/18 19:40	05/07/18 19:19	1,6010C	LC
Calcium, Total	ND		mg/kg	4.00	1.40	1	05/04/18 19:40	05/07/18 19:19	1,6010C	LC
Chromium, Total	ND		mg/kg	0.400	0.038	1	05/04/18 19:40	05/07/18 19:19	1,6010C	LC
Cobalt, Total	ND		mg/kg	0.800	0.066	1	05/04/18 19:40	05/07/18 19:19	1,6010C	LC
Copper, Total	ND		mg/kg	0.400	0.103	1	05/04/18 19:40	05/07/18 19:19	1,6010C	LC
Iron, Total	0.672	J	mg/kg	2.00	0.361	1	05/04/18 19:40	05/07/18 19:19	1,6010C	LC
Lead, Total	ND		mg/kg	2.00	0.107	1	05/04/18 19:40	05/07/18 19:19	1,6010C	LC
Magnesium, Total	ND		mg/kg	4.00	0.616	1	05/04/18 19:40	05/07/18 19:19	1,6010C	LC
Manganese, Total	ND		mg/kg	0.400	0.064	1	05/04/18 19:40	05/07/18 19:19	1,6010C	LC
Nickel, Total	ND		mg/kg	1.00	0.097	1	05/04/18 19:40	05/07/18 19:19	1,6010C	LC
Potassium, Total	ND		mg/kg	100	5.76	1	05/04/18 19:40	05/07/18 19:19	1,6010C	LC
Selenium, Total	ND		mg/kg	0.800	0.103	1	05/04/18 19:40	05/07/18 19:19	1,6010C	LC
Silver, Total	ND		mg/kg	0.400	0.113	1	05/04/18 19:40	05/07/18 19:19	1,6010C	LC
Sodium, Total	ND		mg/kg	80.0	1.26	1	05/04/18 19:40	05/07/18 19:19	1,6010C	LC
Thallium, Total	ND		mg/kg	0.800	0.126	1	05/04/18 19:40	05/07/18 19:19	1,6010C	LC
Vanadium, Total	ND		mg/kg	0.400	0.081	1	05/04/18 19:40	05/07/18 19:19	1,6010C	LC

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1815892
Report Date: 05/09/18

Method Blank Analysis
Batch Quality Control

Zinc, Total	ND	mg/kg	2.00	0.117	1	05/04/18 19:40	05/07/18 19:19	1,6010C	LC

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis

Batch Quality Control

Project Name: SENDERO VERDE

Project Number: 2984.0001Y000

Lab Number: L1815892

Report Date: 05/09/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01,03,05 Batch: WG1112513-2 SRM Lot Number: D098-540								
Mercury, Total	93		-		50-149	-		
Total Metals - Mansfield Lab Associated sample(s): 07,09 Batch: WG1112632-2								
Mercury, Total	99		-		80-120	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: SENDERO VERDE

Project Number: 2984.0001Y000

Lab Number: L1815892

Report Date: 05/09/18

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 07,09 Batch: WG1112712-2					
Aluminum, Total	101	-	80-120	-	
Antimony, Total	110	-	80-120	-	
Arsenic, Total	105	-	80-120	-	
Barium, Total	103	-	80-120	-	
Beryllium, Total	108	-	80-120	-	
Cadmium, Total	113	-	80-120	-	
Calcium, Total	93	-	80-120	-	
Chromium, Total	97	-	80-120	-	
Cobalt, Total	102	-	80-120	-	
Copper, Total	94	-	80-120	-	
Iron, Total	107	-	80-120	-	
Lead, Total	108	-	80-120	-	
Magnesium, Total	104	-	80-120	-	
Manganese, Total	98	-	80-120	-	
Nickel, Total	101	-	80-120	-	
Potassium, Total	102	-	80-120	-	
Selenium, Total	107	-	80-120	-	
Silver, Total	100	-	80-120	-	
Sodium, Total	99	-	80-120	-	
Thallium, Total	98	-	80-120	-	
Vanadium, Total	99	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: SENDERO VERDE

Project Number: 2984.0001Y000

Lab Number: L1815892

Report Date: 05/09/18

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 07,09 Batch: WG1112712-2					
Zinc, Total	109	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: SENDERO VERDE

Project Number: 2984.0001Y000

Lab Number: L1815892

Report Date: 05/09/18

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 08,10 Batch: WG1112747-2					
Aluminum, Dissolved	103	-	80-120	-	
Antimony, Dissolved	118	-	80-120	-	
Arsenic, Dissolved	106	-	80-120	-	
Barium, Dissolved	107	-	80-120	-	
Beryllium, Dissolved	111	-	80-120	-	
Cadmium, Dissolved	115	-	80-120	-	
Calcium, Dissolved	97	-	80-120	-	
Chromium, Dissolved	101	-	80-120	-	
Cobalt, Dissolved	105	-	80-120	-	
Copper, Dissolved	99	-	80-120	-	
Iron, Dissolved	113	-	80-120	-	
Lead, Dissolved	112	-	80-120	-	
Magnesium, Dissolved	105	-	80-120	-	
Manganese, Dissolved	100	-	80-120	-	
Nickel, Dissolved	101	-	80-120	-	
Potassium, Dissolved	103	-	80-120	-	
Selenium, Dissolved	103	-	80-120	-	
Silver, Dissolved	103	-	80-120	-	
Sodium, Dissolved	99	-	80-120	-	
Thallium, Dissolved	103	-	80-120	-	
Vanadium, Dissolved	101	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: SENDERO VERDE

Project Number: 2984.0001Y000

Lab Number: L1815892

Report Date: 05/09/18

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 08,10 Batch: WG1112747-2					
Zinc, Dissolved	109	-	80-120	-	
Dissolved Metals - Mansfield Lab Associated sample(s): 08,10 Batch: WG1112758-2					
Mercury, Dissolved	104	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: SENDERO VERDE

Project Number: 2984.0001Y000

Lab Number: L1815892

Report Date: 05/09/18

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01,03,05 Batch: WG1112806-2 SRM Lot Number: D098-540					
Aluminum, Total	66	-	47-153	-	
Antimony, Total	141	-	6-194	-	
Arsenic, Total	94	-	83-117	-	
Barium, Total	84	-	82-118	-	
Beryllium, Total	96	-	83-117	-	
Cadmium, Total	91	-	82-117	-	
Calcium, Total	86	-	81-118	-	
Chromium, Total	88	-	83-119	-	
Cobalt, Total	92	-	84-116	-	
Copper, Total	89	-	84-116	-	
Iron, Total	88	-	60-140	-	
Lead, Total	86	-	82-117	-	
Magnesium, Total	80	-	76-124	-	
Manganese, Total	86	-	82-118	-	
Nickel, Total	90	-	82-117	-	
Potassium, Total	82	-	69-131	-	
Selenium, Total	92	-	78-121	-	
Silver, Total	90	-	80-120	-	
Sodium, Total	94	-	74-126	-	
Thallium, Total	89	-	80-119	-	
Vanadium, Total	89	-	79-121	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: SENDERO VERDE

Project Number: 2984.0001Y000

Lab Number: L1815892

Report Date: 05/09/18

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01,03,05 Batch: WG1112806-2 SRM Lot Number: D098-540					
Zinc, Total	90	-	81-119	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815892
Report Date: 05/09/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01,03,05 QC Batch ID: WG1112513-3 QC Sample: L1815934-01 Client ID: MS Sample												
Mercury, Total	1.69	0.143	1.98	**203**	Q	-	-		80-120	-		20
Total Metals - Mansfield Lab Associated sample(s): 07,09 QC Batch ID: WG1112632-3 QC Sample: L1815827-01 Client ID: MS Sample												
Mercury, Total	ND	0.005	0.00500	100		-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815892
Report Date: 05/09/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 07,09 QC Batch ID: WG1112712-3 QC Sample: L1815939-01 Client ID: MS Sample									
Aluminum, Total	ND	2	2.15	108	-	-	75-125	-	20
Antimony, Total	0.0007J	0.5	0.6158	123	-	-	75-125	-	20
Arsenic, Total	ND	0.12	0.1390	116	-	-	75-125	-	20
Barium, Total	0.0003J	2	2.164	108	-	-	75-125	-	20
Beryllium, Total	ND	0.05	0.05598	112	-	-	75-125	-	20
Cadmium, Total	ND	0.051	0.06084	119	-	-	75-125	-	20
Calcium, Total	31.3	10	42.1	108	-	-	75-125	-	20
Chromium, Total	0.0002J	0.2	0.2085	104	-	-	75-125	-	20
Cobalt, Total	ND	0.5	0.5339	107	-	-	75-125	-	20
Copper, Total	0.0006J	0.25	0.2491	100	-	-	75-125	-	20
Iron, Total	ND	1	1.20	120	-	-	75-125	-	20
Lead, Total	ND	0.51	0.5710	112	-	-	75-125	-	20
Magnesium, Total	6.67	10	18.0	113	-	-	75-125	-	20
Manganese, Total	0.01775	0.5	0.5424	105	-	-	75-125	-	20
Nickel, Total	ND	0.5	0.5184	104	-	-	75-125	-	20
Potassium, Total	0.306	10	11.2	109	-	-	75-125	-	20
Selenium, Total	ND	0.12	0.134	112	-	-	75-125	-	20
Silver, Total	ND	0.05	0.05274	105	-	-	75-125	-	20
Sodium, Total	3.75	10	13.9	102	-	-	75-125	-	20
Thallium, Total	ND	0.12	0.1222	102	-	-	75-125	-	20
Vanadium, Total	ND	0.5	0.5312	106	-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815892
Report Date: 05/09/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 07,09 QC Batch ID: WG1112712-3 QC Sample: L1815939-01 Client ID: MS Sample									
Zinc, Total	ND	0.5	0.5566	111	-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815892
Report Date: 05/09/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 08,10 QC Batch ID: WG1112747-3 QC Sample: L1815892-08 Client ID: SB-1/GW - FILTERED									
Aluminum, Dissolved	0.0198	2	2.17	108	-	-	75-125	-	20
Antimony, Dissolved	0.00055J	0.5	0.6223	124	-	-	75-125	-	20
Arsenic, Dissolved	0.00071	0.12	0.1332	110	-	-	75-125	-	20
Barium, Dissolved	0.01873	2	2.241	111	-	-	75-125	-	20
Beryllium, Dissolved	ND	0.05	0.05612	112	-	-	75-125	-	20
Cadmium, Dissolved	0.00033	0.051	0.06241	122	-	-	75-125	-	20
Calcium, Dissolved	33.2	10	44.0	108	-	-	75-125	-	20
Chromium, Dissolved	0.00101	0.2	0.2064	103	-	-	75-125	-	20
Cobalt, Dissolved	ND	0.5	0.5260	105	-	-	75-125	-	20
Copper, Dissolved	0.00219	0.25	0.2568	102	-	-	75-125	-	20
Iron, Dissolved	ND	1	1.16	116	-	-	75-125	-	20
Lead, Dissolved	0.00043J	0.51	0.5766	113	-	-	75-125	-	20
Magnesium, Dissolved	1.89	10	12.5	106	-	-	75-125	-	20
Manganese, Dissolved	0.01461	0.5	0.5275	102	-	-	75-125	-	20
Nickel, Dissolved	ND	0.5	0.5146	103	-	-	75-125	-	20
Potassium, Dissolved	0.971	10	11.0	100	-	-	75-125	-	20
Selenium, Dissolved	ND	0.12	0.128	107	-	-	75-125	-	20
Silver, Dissolved	ND	0.05	0.05239	105	-	-	75-125	-	20
Sodium, Dissolved	11.4	10	22.0	106	-	-	75-125	-	20
Thallium, Dissolved	ND	0.12	0.1243	104	-	-	75-125	-	20
Vanadium, Dissolved	ND	0.5	0.5147	103	-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815892
Report Date: 05/09/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 08,10 QC Batch ID: WG1112747-3 QC Sample: L1815892-08 Client ID: SB-1/GW - FILTERED									
Zinc, Dissolved	0.00396J	0.5	0.5593	112	-	-	75-125	-	20
Dissolved Metals - Mansfield Lab Associated sample(s): 08,10 QC Batch ID: WG1112758-3 QC Sample: L1815892-08 Client ID: SB-1/GW - FILTERED									
Mercury, Dissolved	ND	0.005	0.00525	105	-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815892
Report Date: 05/09/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01,03,05 QC Batch ID: WG1112806-3 QC Sample: L1815726-01 Client ID: MS Sample										
Aluminum, Total	6980	179	7750	**430**	Q	-	-	75-125	-	20
Antimony, Total	ND	44.8	38.1	85		-	-	75-125	-	20
Arsenic, Total	1.94	10.8	12.1	94		-	-	75-125	-	20
Barium, Total	79.0	179	234	86		-	-	75-125	-	20
Beryllium, Total	0.430J	4.48	4.50	100		-	-	75-125	-	20
Cadmium, Total	ND	4.57	3.37	**74**	Q	-	-	75-125	-	20
Calcium, Total	2420	896	2260	**0**	Q	-	-	75-125	-	20
Chromium, Total	14.8	17.9	34.1	108		-	-	75-125	-	20
Cobalt, Total	7.34	44.8	43.5	81		-	-	75-125	-	20
Copper, Total	11.6	22.4	32.5	93		-	-	75-125	-	20
Iron, Total	16200	89.6	16900	**781**	Q	-	-	75-125	-	20
Lead, Total	11.1	45.7	49.0	83		-	-	75-125	-	20
Magnesium, Total	3810	896	4620	90		-	-	75-125	-	20
Manganese, Total	262.	44.8	202	**0**	Q	-	-	75-125	-	20
Nickel, Total	15.2	44.8	51.6	81		-	-	75-125	-	20
Potassium, Total	1460	896	2400	105		-	-	75-125	-	20
Selenium, Total	0.298J	10.8	9.08	84		-	-	75-125	-	20
Silver, Total	ND	26.9	25.3	94		-	-	75-125	-	20
Sodium, Total	113.J	896	999	111		-	-	75-125	-	20
Thallium, Total	ND	10.8	7.89	**73**	Q	-	-	75-125	-	20
Vanadium, Total	20.3	44.8	64.7	99		-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815892
Report Date: 05/09/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01,03,05 QC Batch ID: WG1112806-3 QC Sample: L1815726-01 Client ID: MS Sample									
Zinc, Total	44.4	44.8	84.2	89	-	-	75-125	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815892
Report Date: 05/09/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01,03,05 QC Batch ID: WG1112513-4 QC Sample: L1815934-01 Client ID: DUP Sample						
Mercury, Total	1.69	2.74	mg/kg	**47**	Q	20
Total Metals - Mansfield Lab Associated sample(s): 07,09 QC Batch ID: WG1112632-4 QC Sample: L1815827-01 Client ID: DUP Sample						
Mercury, Total	ND	ND	mg/l	NC		20
Total Metals - Mansfield Lab Associated sample(s): 07,09 QC Batch ID: WG1112712-4 QC Sample: L1815939-01 Client ID: DUP Sample						
Manganese, Total	0.01775	0.01790	mg/l	1		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815892
Report Date: 05/09/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 08,10 QC Batch ID: WG1112747-4 QC Sample: L1815892-08 Client ID: SB-1/GW - FILTERED					
Aluminum, Dissolved	0.0198	0.0183	mg/l	8	20
Antimony, Dissolved	0.00055J	0.00061J	mg/l	NC	20
Arsenic, Dissolved	0.00071	0.00072	mg/l	1	20
Barium, Dissolved	0.01873	0.01789	mg/l	5	20
Beryllium, Dissolved	ND	ND	mg/l	NC	20
Cadmium, Dissolved	0.00033	ND	mg/l	NC	20
Calcium, Dissolved	33.2	33.7	mg/l	1	20
Chromium, Dissolved	0.00101	0.00104	mg/l	3	20
Cobalt, Dissolved	ND	ND	mg/l	NC	20
Copper, Dissolved	0.00219	0.00128J	mg/l	NC	20
Iron, Dissolved	ND	ND	mg/l	NC	20
Lead, Dissolved	0.00043J	0.00041J	mg/l	NC	20
Magnesium, Dissolved	1.89	1.91	mg/l	1	20
Manganese, Dissolved	0.01461	0.01395	mg/l	5	20
Nickel, Dissolved	ND	ND	mg/l	NC	20
Potassium, Dissolved	0.971	0.960	mg/l	1	20
Selenium, Dissolved	ND	ND	mg/l	NC	20
Silver, Dissolved	ND	ND	mg/l	NC	20
Sodium, Dissolved	11.4	11.7	mg/l	3	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815892
Report Date: 05/09/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 08,10 QC Batch ID: WG1112747-4 QC Sample: L1815892-08 Client ID: SB-1/GW - FILTERED					
Thallium, Dissolved	ND	ND	mg/l	NC	20
Vanadium, Dissolved	ND	ND	mg/l	NC	20
Zinc, Dissolved	0.00396J	0.00364J	mg/l	NC	20
Dissolved Metals - Mansfield Lab Associated sample(s): 08,10 QC Batch ID: WG1112758-4 QC Sample: L1815892-08 Client ID: SB-1/GW - FILTERED					
Mercury, Dissolved	ND	ND	mg/l	NC	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815892
Report Date: 05/09/18

Parameter	Native Sample	Duplicate Sample	Units	RPD		RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01,03,05 QC Batch ID: WG1112806-4 QC Sample: L1815726-01 Client ID: DUP Sample						
Aluminum, Total	6980	6810	mg/kg	2		20
Antimony, Total	ND	ND	mg/kg	NC		20
Arsenic, Total	1.94	1.83	mg/kg	6		20
Barium, Total	79.0	63.3	mg/kg	**22**	Q	20
Beryllium, Total	0.430J	0.434	mg/kg	NC		20
Cadmium, Total	ND	ND	mg/kg	NC		20
Calcium, Total	2420	2400	mg/kg	1		20
Chromium, Total	14.8	15.4	mg/kg	4		20
Cobalt, Total	7.34	7.32	mg/kg	0		20
Copper, Total	11.6	10.9	mg/kg	6		20
Iron, Total	16200	16400	mg/kg	1		20
Lead, Total	11.1	9.96	mg/kg	11		20
Magnesium, Total	3810	3800	mg/kg	0		20
Manganese, Total	262.	210	mg/kg	**22**	Q	20
Nickel, Total	15.2	15.0	mg/kg	1		20
Potassium, Total	1460	1480	mg/kg	1		20
Selenium, Total	0.298J	ND	mg/kg	NC		20
Silver, Total	ND	ND	mg/kg	NC		20
Sodium, Total	113.J	117J	mg/kg	NC		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815892
Report Date: 05/09/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01,03,05 QC Batch ID: WG1112806-4 QC Sample: L1815726-01 Client ID: DUP Sample					
Thallium, Total	ND	ND	mg/kg	NC	20
Vanadium, Total	20.3	20.8	mg/kg	2	20
Zinc, Total	44.4	42.7	mg/kg	4	20

INORGANICS
&
MISCELLANEOUS

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815892
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815892-01
Client ID: SB-9 (14.5-16.5)
Sample Location: EAST HARLEM, NY

Date Collected: 05/03/18 09:20
Date Received: 05/03/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83.1		%	0.100	NA	1	-	05/04/18 15:31	121,2540G	RI

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815892
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815892-02
Client ID: SB-9 (16)
Sample Location: EAST HARLEM, NY

Date Collected: 05/03/18 09:20
Date Received: 05/03/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.5		%	0.100	NA	1	-	05/04/18 09:28	121,2540G	RI

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815892
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815892-03
Client ID: SB-8 (18-20)
Sample Location: EAST HARLEM, NY

Date Collected: 05/03/18 12:00
Date Received: 05/03/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	78.2		%	0.100	NA	1	-	05/04/18 15:31	121,2540G	RI

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815892
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815892-04
Client ID: SB-8 (19)
Sample Location: EAST HARLEM, NY

Date Collected: 05/03/18 12:00
Date Received: 05/03/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	80.2		%	0.100	NA	1	-	05/04/18 09:28	121,2540G	RI

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815892
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815892-05
Client ID: SB-7 (11-13)
Sample Location: EAST HARLEM, NY

Date Collected: 05/03/18 13:40
Date Received: 05/03/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	92.3		%	0.100	NA	1	-	05/04/18 15:31	121,2540G	RI

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815892
Report Date: 05/09/18

SAMPLE RESULTS

Lab ID: L1815892-06
Client ID: SB-7X (12.5)
Sample Location: EAST HARLEM, NY

Date Collected: 05/03/18 13:40
Date Received: 05/03/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.6		%	0.100	NA	1	-	05/04/18 09:28	121,2540G	RI

Lab Duplicate Analysis
Batch Quality Control

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815892
Report Date: 05/09/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 02,04,06 QC Batch ID: WG1112589-1 QC Sample: L1815863-03 Client ID: DUP Sample						
Solids, Total	85.9	85.9	%	0		20
General Chemistry - Westborough Lab Associated sample(s): 01,03,05 QC Batch ID: WG1112742-1 QC Sample: L1816043-04 Client ID: DUP Sample						
Solids, Total	12.8	11.5	%	11		20

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815892
Report Date: 05/09/18

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent
B	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1815892-01A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.6	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1815892-01B	Plastic 2oz unpreserved for TS	A	NA		4.6	Y	Absent		-
L1815892-01C	Glass 250ml/8oz unpreserved	A	NA		4.6	Y	Absent		NYTCL-8270(14),TS(7),NYTCL-8081(14),NYTCL-8082(14)
L1815892-02A	5 gram Encore Sampler	A	NA		4.6	Y	Absent		NYTCL-8260HLW(14)
L1815892-02B	5 gram Encore Sampler	A	NA		4.6	Y	Absent		NYTCL-8260HLW(14)
L1815892-02C	5 gram Encore Sampler	A	NA		4.6	Y	Absent		NYTCL-8260HLW(14)
L1815892-02D	Plastic 2oz unpreserved for TS	A	NA		4.6	Y	Absent		TS(7)
L1815892-02X	Vial MeOH preserved split	A	NA		4.6	Y	Absent		NYTCL-8260HLW(14)
L1815892-02Y	Vial Water preserved split	A	NA		4.6	Y	Absent	04-MAY-18 06:56	NYTCL-8260HLW(14)
L1815892-02Z	Vial Water preserved split	A	NA		4.6	Y	Absent	04-MAY-18 06:56	NYTCL-8260HLW(14)
L1815892-03A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.6	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1815892-03B	Plastic 2oz unpreserved for TS	A	NA		4.6	Y	Absent		-
L1815892-03C	Glass 250ml/8oz unpreserved	A	NA		4.6	Y	Absent		NYTCL-8270(14),TS(7),NYTCL-8081(14),NYTCL-8082(14)
L1815892-04A	5 gram Encore Sampler	A	NA		4.6	Y	Absent		NYTCL-8260HLW(14)
L1815892-04B	5 gram Encore Sampler	A	NA		4.6	Y	Absent		NYTCL-8260HLW(14)
L1815892-04C	5 gram Encore Sampler	A	NA		4.6	Y	Absent		NYTCL-8260HLW(14)

*Values in parentheses indicate holding time in days

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815892
Report Date: 05/09/18

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1815892-04D	Plastic 2oz unpreserved for TS	A	NA		4.6	Y	Absent		TS(7)
L1815892-04X	Vial MeOH preserved split	A	NA		4.6	Y	Absent		NYTCL-8260HLW(14)
L1815892-04Y	Vial Water preserved split	A	NA		4.6	Y	Absent	04-MAY-18 06:56	NYTCL-8260HLW(14)
L1815892-04Z	Vial Water preserved split	A	NA		4.6	Y	Absent	04-MAY-18 06:56	NYTCL-8260HLW(14)
L1815892-05A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.6	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1815892-05B	Plastic 2oz unpreserved for TS	A	NA		4.6	Y	Absent		-
L1815892-05C	Glass 250ml/8oz unpreserved	A	NA		4.6	Y	Absent		NYTCL-8270(14),TS(7),NYTCL-8081(14),NYTCL-8082(14)
L1815892-06A	5 gram Encore Sampler	A	NA		4.6	Y	Absent		NYTCL-8260HLW(14)
L1815892-06B	5 gram Encore Sampler	A	NA		4.6	Y	Absent		NYTCL-8260HLW(14)
L1815892-06C	5 gram Encore Sampler	A	NA		4.6	Y	Absent		NYTCL-8260HLW(14)
L1815892-06D	Plastic 2oz unpreserved for TS	A	NA		4.6	Y	Absent		TS(7)
L1815892-06X	Vial MeOH preserved split	A	NA		4.6	Y	Absent		NYTCL-8260HLW(14)
L1815892-06Y	Vial Water preserved split	A	NA		4.6	Y	Absent	04-MAY-18 06:56	NYTCL-8260HLW(14)
L1815892-06Z	Vial Water preserved split	A	NA		4.6	Y	Absent	04-MAY-18 06:56	NYTCL-8260HLW(14)
L1815892-07A	Vial HCl preserved	B	NA		3.6	Y	Absent		NYTCL-8260(14)
L1815892-07B	Vial HCl preserved	B	NA		3.6	Y	Absent		NYTCL-8260(14)
L1815892-07C	Vial HCl preserved	B	NA		3.6	Y	Absent		NYTCL-8260(14)
L1815892-07D	Plastic 250ml HNO3 preserved	B	<2	<2	3.6	Y	Absent		BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1815892-07E	Amber 1000ml unpreserved	B	7	7	3.6	Y	Absent		NYTCL-8270(7),NYTCL-8270-SIM(7)
L1815892-07F	Amber 1000ml unpreserved	B	7	7	3.6	Y	Absent		NYTCL-8270(7),NYTCL-8270-SIM(7)
L1815892-07G	Amber 120ml unpreserved	B	7	7	3.6	Y	Absent		NYTCL-8081(7)

*Values in parentheses indicate holding time in days

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815892
Report Date: 05/09/18

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1815892-07H	Amber 120ml unpreserved	B	7	7	3.6	Y	Absent		NYTCL-8081(7)
L1815892-07I	Amber 1000ml unpreserved	B	7	7	3.6	Y	Absent		NYTCL-8082-1200ML(7)
L1815892-07J	Amber 1000ml unpreserved	B	7	7	3.6	Y	Absent		NYTCL-8082-1200ML(7)
L1815892-08A	Plastic 250ml unpreserved	B	7	7	3.6	Y	Absent		-
L1815892-08B	Amber 1000ml unpreserved	B	7	7	3.6	Y	Absent		FILTER-EXT(1)
L1815892-08C	Amber 1000ml unpreserved	B	7	7	3.6	Y	Absent		FILTER-EXT(1)
L1815892-08D	Amber 120ml unpreserved	B	7	7	3.6	Y	Absent		FILTER-EXT(1)
L1815892-08E	Amber 120ml unpreserved	B	7	7	3.6	Y	Absent		FILTER-EXT(1)
L1815892-08F	Amber 1000ml unpreserved	B	7	7	3.6	Y	Absent		FILTER-EXT(1)
L1815892-08G	Amber 1000ml unpreserved	B	7	7	3.6	Y	Absent		FILTER-EXT(1)
L1815892-08M	Amber 1000ml unpreserved Filtrates	B	NA		3.6	Y	Absent		NYTCL-8082-1200ML(7)
L1815892-08N	Amber 500ml unpreserved Filtrates	B	NA		3.6	Y	Absent		NYTCL-8081(7),NYTCL-8082-1200ML(7)
L1815892-08O	Amber 500ml unpreserved Filtrates	B	NA		3.6	Y	Absent		NYTCL-8081(7)
L1815892-08P	Amber 1000ml unpreserved Filtrates	B	NA		3.6	Y	Absent		NYTCL-8270(7),NYTCL-8270-SIM(7)
L1815892-08Q	Amber 1000ml unpreserved Filtrates	B	NA		3.6	Y	Absent		NYTCL-8270(7),NYTCL-8270-SIM(7)
L1815892-08R	Amber 1000ml unpreserved Filtrates	B	NA		3.6	Y	Absent		NYTCL-8082-1200ML(7)
L1815892-08X	Plastic 120ml HNO3 preserved Filtrates	B	NA		3.6	Y	Absent		CU-6020S(180),K-6020S(180),SE-6020S(180),V-6020S(180),MN-6020S(180),BE-6020S(180),CO-6020S(180),MG-6020S(180),ZN-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),BA-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)
L1815892-09A	Vial HCl preserved	B	NA		3.6	Y	Absent		NYTCL-8260(14)
L1815892-09B	Vial HCl preserved	B	NA		3.6	Y	Absent		NYTCL-8260(14)
L1815892-09C	Vial HCl preserved	B	NA		3.6	Y	Absent		NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815892
Report Date: 05/09/18

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1815892-09D	Plastic 250ml HNO3 preserved	B	<2	<2	3.6	Y	Absent		BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1815892-09E	Amber 1000ml unpreserved	B	7	7	3.6	Y	Absent		NYTCL-8270(7),NYTCL-8270-SIM(7)
L1815892-09F	Amber 1000ml unpreserved	B	7	7	3.6	Y	Absent		NYTCL-8270(7),NYTCL-8270-SIM(7)
L1815892-09G	Amber 120ml unpreserved	B	7	7	3.6	Y	Absent		NYTCL-8081(7)
L1815892-09H	Amber 120ml unpreserved	B	7	7	3.6	Y	Absent		NYTCL-8081(7)
L1815892-09I	Amber 1000ml unpreserved	B	7	7	3.6	Y	Absent		NYTCL-8082-1200ML(7)
L1815892-09J	Amber 1000ml unpreserved	B	7	7	3.6	Y	Absent		NYTCL-8082-1200ML(7)
L1815892-10A	Plastic 250ml unpreserved	B	7	7	3.6	Y	Absent		-
L1815892-10B	Amber 1000ml unpreserved	B	7	7	3.6	Y	Absent		FILTER-EXT(1),NYTCL-8081(7)
L1815892-10C	Amber 1000ml unpreserved	B	7	7	3.6	Y	Absent		FILTER-EXT(1),NYTCL-8081(7)
L1815892-10D	Amber 120ml unpreserved	B	7	7	3.6	Y	Absent		FILTER-EXT(1),NYTCL-8081(7)
L1815892-10E	Amber 120ml unpreserved	B	7	7	3.6	Y	Absent		FILTER-EXT(1),NYTCL-8081(7)
L1815892-10F	Amber 1000ml unpreserved	B	7	7	3.6	Y	Absent		FILTER-EXT(1),NYTCL-8081(7)
L1815892-10G	Amber 1000ml unpreserved	B	7	7	3.6	Y	Absent		FILTER-EXT(1),NYTCL-8081(7)
L1815892-10M	Amber 1000ml unpreserved Filtrates	B	NA		3.6	Y	Absent		NYTCL-8082-1200ML(7)
L1815892-10N	Amber 500ml unpreserved Filtrates	B	NA		3.6	Y	Absent		NYTCL-8082-1200ML(7)
L1815892-10O	Amber 500ml unpreserved Filtrates	B	NA		3.6	Y	Absent		-
L1815892-10P	Amber 1000ml unpreserved	B	7	7	3.6	Y	Absent		NYTCL-8270(7),NYTCL-8270-SIM(7)
L1815892-10Q	Amber 1000ml unpreserved	B	7	7	3.6	Y	Absent		NYTCL-8270(7),NYTCL-8270-SIM(7)
L1815892-10R	Amber 1000ml unpreserved Filtrates	B	NA		3.6	Y	Absent		NYTCL-8082-1200ML(7)

*Values in parentheses indicate holding time in days

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1815892
Report Date: 05/09/18

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1815892-10X	Plastic 120ml HNO3 preserved Filtrates	B	NA		3.6	Y	Absent		CU-6020S(180),K-6020S(180),SE-6020S(180),V-6020S(180),MN-6020S(180),BE-6020S(180),CO-6020S(180),MG-6020S(180),ZN-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),BA-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)

*Values in parentheses indicate holding time in days

Project Name:	SENDERO VERDE	**Lab Number:**	L1815892
Project Number:	2984.0001Y000	**Report Date:**	05/09/18

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

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

Terms

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

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

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

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

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

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related

Report Format: DU Report with 'J' Qualifiers

Project Name:	SENDERO VERDE	**Lab Number:**	L1815892
Project Number:	2984.0001Y000	**Report Date:**	05/09/18

Data Qualifiers

projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

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

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

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

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name:	SENDERO VERDE	**Lab Number:**	L1815892
Project Number:	2984.0001Y000	**Report Date:**	05/09/18

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 300: DW: Bromide
EPA 6860: SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, EPA 351.1, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Be, Cd, Cr, Cu, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 05/03/18

ALPHA Job #: L1815892

Client Information

Client: Roux
Address: 209 Shafter St, Islandia, NY 11749
Phone: 631-232-2600
Fax: 631-232-9898
Email: jmoriarity@rouxinc.com

Project Information

Project Name: Sendero Verde
Project Location: East Harlem, NY
Project #: 2984.0001Y000
(Use Project name as Project #) ☐
Project Manager: Julie Moriarity
ALPHAQuote #:

Turn-Around Time

Standard ☒
Rush (only if pre approved) ☐
Due Date:
# of Days:

Deliverables

☐ ASP-A ☒ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information

☒ Same as Client Info
PO #

Regulatory Requirement

☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information

Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:
For GW samples: Hold PCB + Pest filtered samples. SVOCs & metals (total & dissolved) run.

Please specify Metals or TAL.

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOC 8260	SVOC 8270, Pest 8081, PCB 8082	TAL Metals 6010C	Total Solids	Total Metals	Dissolved metals	Sample Specific Comments	Total Bottles
15892-01	SB-9 (14.5-16.5)	5/3/18	9:20	Soil	VS		X	X	X				4
02	SB-9 (16)	↓	9:20	↓	↓	X							2
03	SB-8 (18-20)		12:00				X	X	X				4
04	SB-8 (19)		12:00			X							2
05	SB-7 (11-13)		13:40				X	X	X				4
06	SB-7 (12.5)		13:40			X							2
07 /08	SB-1/GW		10:30	GW		X	X			X	X		17
09/10	SB-9/GW	↓	14:00	GW	↓	X	X			X	X		17

	VOC 8260	SVOC 8270, Pest 8081, PCB 8082	TAL Metals 6010C	Total Solids	Total Metals	Dissolved metals
Container Type	E/V	A	P	P	P	P
Preservative	A/B	A	A	A	C	A

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
Valerie Sabatino	5/3/18 1500	Ronald Jackson	5/3 1500
[signature]	5/3 1937	[signature]	5/4/18 1941
[signature]	5/4/18 [illegible]	[signature]	5/3/18 23:45

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L1816140
Client:	Roux Envr. Engr. & Geology, DPC 209 Shafter Street Islandia, NY 11749
ATTN:	Julie Moriarity
Phone:	(631) 232-2600
Project Name:	SENDERO VERDE
Project Number:	2984.0001Y000
Report Date:	05/10/18

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

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

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1816140
Report Date: 05/10/18

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1816140-01	SB-11 (8-10)	SOIL	EAST HARLEM, NY	05/04/18 12:00	05/04/18
L1816140-02	SB-11 (8)	SOIL	EAST HARLEM, NY	05/04/18 12:00	05/04/18
L1816140-03	SB-12 (17-19)	SOIL	EAST HARLEM, NY	05/04/18 13:30	05/04/18
L1816140-04	SB-12 (18)	SOIL	EAST HARLEM, NY	05/04/18 13:30	05/04/18
L1816140-05	SB-11 / GW	WATER	EAST HARLEM, NY	05/04/18 13:00	05/04/18
L1816140-06	SB-11 / GW FILTERED	WATER	EAST HARLEM, NY	05/04/18 13:00	05/04/18

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1816140
Report Date: 05/10/18

Case Narrative

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

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

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

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

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

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

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1816140
Report Date: 05/10/18

Case Narrative (continued)

Report Submission

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

Total Metals

L1816140-01 and -03: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

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

Authorized Signature: Kelly Stenstrom

Title: Technical Director/Representative Date: 05/10/18

ORGANICS

VOLATILES

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1816140
Report Date: 05/10/18

SAMPLE RESULTS

Lab ID: L1816140-02
Client ID: SB-11 (8)
Sample Location: EAST HARLEM, NY

Date Collected: 05/04/18 12:00
Date Received: 05/04/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 05/09/18 09:53
Analyst: JC
Percent Solids: 82%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	15	2.5	1
1,1-Dichloroethane	ND		ug/kg	2.3	0.41	1
Chloroform	ND		ug/kg	2.3	0.56	1
Carbon tetrachloride	ND		ug/kg	1.5	0.52	1
1,2-Dichloropropane	ND		ug/kg	5.3	0.35	1
Dibromochloromethane	ND		ug/kg	1.5	0.27	1
1,1,2-Trichloroethane	ND		ug/kg	2.3	0.48	1
Tetrachloroethene	ND		ug/kg	1.5	0.46	1
Chlorobenzene	ND		ug/kg	1.5	0.53	1
Trichlorofluoromethane	ND		ug/kg	7.6	0.63	1
1,2-Dichloroethane	ND		ug/kg	1.5	0.37	1
1,1,1-Trichloroethane	ND		ug/kg	1.5	0.53	1
Bromodichloromethane	ND		ug/kg	1.5	0.47	1
trans-1,3-Dichloropropene	ND		ug/kg	1.5	0.32	1
cis-1,3-Dichloropropene	ND		ug/kg	1.5	0.35	1
1,3-Dichloropropene, Total	ND		ug/kg	1.5	0.32	1
1,1-Dichloropropene	ND		ug/kg	7.6	0.50	1
Bromoform	ND		ug/kg	6.1	0.36	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.5	0.45	1
Benzene	ND		ug/kg	1.5	0.29	1
Toluene	ND		ug/kg	2.3	0.30	1
Ethylbenzene	ND		ug/kg	1.5	0.26	1
Chloromethane	ND		ug/kg	7.6	0.66	1
Bromomethane	ND		ug/kg	3.0	0.51	1
Vinyl chloride	ND		ug/kg	3.0	0.48	1
Chloroethane	ND		ug/kg	3.0	0.48	1
1,1-Dichloroethene	ND		ug/kg	1.5	0.56	1
trans-1,2-Dichloroethene	ND		ug/kg	2.3	0.37	1

Project Name: SENDERO VERDE **Lab Number:** L1816140

Project Number: 2984.0001Y000 **Report Date:** 05/10/18

SAMPLE RESULTS

Lab ID: L1816140-02 Date Collected: 05/04/18 12:00

Client ID: SB-11 (8) Date Received: 05/04/18

Sample Location: EAST HARLEM, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	1.5	0.46	1
1,2-Dichlorobenzene	ND		ug/kg	7.6	0.28	1
1,3-Dichlorobenzene	ND		ug/kg	7.6	0.33	1
1,4-Dichlorobenzene	ND		ug/kg	7.6	0.28	1
Methyl tert butyl ether	ND		ug/kg	3.0	0.23	1
p/m-Xylene	ND		ug/kg	3.0	0.53	1
o-Xylene	ND		ug/kg	3.0	0.51	1
Xylenes, Total	ND		ug/kg	3.0	0.51	1
cis-1,2-Dichloroethene	ND		ug/kg	1.5	0.52	1
1,2-Dichloroethene, Total	ND		ug/kg	1.5	0.37	1
Dibromomethane	ND		ug/kg	15	0.36	1
Styrene	ND		ug/kg	3.0	0.61	1
Dichlorodifluoromethane	ND		ug/kg	15	0.76	1
Acetone	ND		ug/kg	15	3.5	1
Carbon disulfide	ND		ug/kg	15	1.7	1
2-Butanone	ND		ug/kg	15	1.0	1
Vinyl acetate	ND		ug/kg	15	0.23	1
4-Methyl-2-pentanone	ND		ug/kg	15	0.37	1
1,2,3-Trichloropropane	ND		ug/kg	15	0.27	1
2-Hexanone	ND		ug/kg	15	1.0	1
Bromochloromethane	ND		ug/kg	7.6	0.54	1
2,2-Dichloropropane	ND		ug/kg	7.6	0.68	1
1,2-Dibromoethane	ND		ug/kg	6.1	0.30	1
1,3-Dichloropropane	ND		ug/kg	7.6	0.28	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.5	0.48	1
Bromobenzene	ND		ug/kg	7.6	0.33	1
n-Butylbenzene	ND		ug/kg	1.5	0.35	1
sec-Butylbenzene	ND		ug/kg	1.5	0.33	1
tert-Butylbenzene	ND		ug/kg	7.6	0.38	1
o-Chlorotoluene	ND		ug/kg	7.6	0.34	1
p-Chlorotoluene	ND		ug/kg	7.6	0.28	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	7.6	0.60	1
Hexachlorobutadiene	ND		ug/kg	7.6	0.53	1
Isopropylbenzene	ND		ug/kg	1.5	0.30	1
p-Isopropyltoluene	ND		ug/kg	1.5	0.31	1
Naphthalene	ND		ug/kg	7.6	0.21	1
Acrylonitrile	ND		ug/kg	15	0.78	1

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1816140
Report Date: 05/10/18

SAMPLE RESULTS

Lab ID: L1816140-02
Client ID: SB-11 (8)
Sample Location: EAST HARLEM, NY
Date Collected: 05/04/18 12:00
Date Received: 05/04/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.5	0.33	1
1,2,3-Trichlorobenzene	ND		ug/kg	7.6	0.38	1
1,2,4-Trichlorobenzene	ND		ug/kg	7.6	0.33	1
1,3,5-Trimethylbenzene	ND		ug/kg	7.6	0.24	1
1,2,4-Trimethylbenzene	ND		ug/kg	7.6	0.28	1
1,4-Dioxane	ND		ug/kg	61	22.	1
p-Diethylbenzene	ND		ug/kg	6.1	6.1	1
p-Ethyltoluene	ND		ug/kg	6.1	0.36	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	6.1	0.24	1
Ethyl ether	ND		ug/kg	7.6	0.40	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	7.6	0.60	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	99		70-130

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1816140
Report Date: 05/10/18

SAMPLE RESULTS

Lab ID: L1816140-04
Client ID: SB-12 (18)
Sample Location: EAST HARLEM, NY
Date Collected: 05/04/18 13:30
Date Received: 05/04/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 05/09/18 10:20
Analyst: JC
Percent Solids: 81%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	14	2.3	1
1,1-Dichloroethane	ND		ug/kg	2.1	0.38	1
Chloroform	2.0	J	ug/kg	2.1	0.52	1
Carbon tetrachloride	ND		ug/kg	1.4	0.48	1
1,2-Dichloropropane	ND		ug/kg	4.9	0.32	1
Dibromochloromethane	ND		ug/kg	1.4	0.25	1
1,1,2-Trichloroethane	ND		ug/kg	2.1	0.44	1
Tetrachloroethene	ND		ug/kg	1.4	0.42	1
Chlorobenzene	ND		ug/kg	1.4	0.49	1
Trichlorofluoromethane	ND		ug/kg	7.0	0.59	1
1,2-Dichloroethane	ND		ug/kg	1.4	0.34	1
1,1,1-Trichloroethane	ND		ug/kg	1.4	0.49	1
Bromodichloromethane	ND		ug/kg	1.4	0.43	1
trans-1,3-Dichloropropene	ND		ug/kg	1.4	0.29	1
cis-1,3-Dichloropropene	ND		ug/kg	1.4	0.32	1
1,3-Dichloropropene, Total	ND		ug/kg	1.4	0.29	1
1,1-Dichloropropene	ND		ug/kg	7.0	0.46	1
Bromoform	ND		ug/kg	5.6	0.33	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.4	0.42	1
Benzene	ND		ug/kg	1.4	0.27	1
Toluene	ND		ug/kg	2.1	0.27	1
Ethylbenzene	ND		ug/kg	1.4	0.24	1
Chloromethane	ND		ug/kg	7.0	0.61	1
Bromomethane	ND		ug/kg	2.8	0.48	1
Vinyl chloride	ND		ug/kg	2.8	0.44	1
Chloroethane	ND		ug/kg	2.8	0.44	1
1,1-Dichloroethene	ND		ug/kg	1.4	0.52	1
trans-1,2-Dichloroethene	ND		ug/kg	2.1	0.34	1

Project Name: SENDERO VERDE **Lab Number:** L1816140

Project Number: 2984.0001Y000 **Report Date:** 05/10/18

SAMPLE RESULTS

Lab ID: L1816140-04 Date Collected: 05/04/18 13:30

Client ID: SB-12 (18) Date Received: 05/04/18

Sample Location: EAST HARLEM, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	1.4	0.42	1
1,2-Dichlorobenzene	ND		ug/kg	7.0	0.26	1
1,3-Dichlorobenzene	ND		ug/kg	7.0	0.31	1
1,4-Dichlorobenzene	ND		ug/kg	7.0	0.26	1
Methyl tert butyl ether	ND		ug/kg	2.8	0.22	1
p/m-Xylene	ND		ug/kg	2.8	0.49	1
o-Xylene	ND		ug/kg	2.8	0.48	1
Xylenes, Total	ND		ug/kg	2.8	0.48	1
cis-1,2-Dichloroethene	ND		ug/kg	1.4	0.48	1
1,2-Dichloroethene, Total	ND		ug/kg	1.4	0.34	1
Dibromomethane	ND		ug/kg	14	0.34	1
Styrene	ND		ug/kg	2.8	0.56	1
Dichlorodifluoromethane	ND		ug/kg	14	0.70	1
Acetone	4.6	J	ug/kg	14	3.2	1
Carbon disulfide	ND		ug/kg	14	1.5	1
2-Butanone	ND		ug/kg	14	0.97	1
Vinyl acetate	ND		ug/kg	14	0.22	1
4-Methyl-2-pentanone	ND		ug/kg	14	0.34	1
1,2,3-Trichloropropane	ND		ug/kg	14	0.25	1
2-Hexanone	ND		ug/kg	14	0.94	1
Bromochloromethane	ND		ug/kg	7.0	0.50	1
2,2-Dichloropropane	ND		ug/kg	7.0	0.63	1
1,2-Dibromoethane	ND		ug/kg	5.6	0.28	1
1,3-Dichloropropane	ND		ug/kg	7.0	0.26	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.4	0.45	1
Bromobenzene	ND		ug/kg	7.0	0.31	1
n-Butylbenzene	ND		ug/kg	1.4	0.32	1
sec-Butylbenzene	ND		ug/kg	1.4	0.30	1
tert-Butylbenzene	ND		ug/kg	7.0	0.35	1
o-Chlorotoluene	ND		ug/kg	7.0	0.31	1
p-Chlorotoluene	ND		ug/kg	7.0	0.26	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	7.0	0.56	1
Hexachlorobutadiene	ND		ug/kg	7.0	0.49	1
Isopropylbenzene	ND		ug/kg	1.4	0.27	1
p-Isopropyltoluene	ND		ug/kg	1.4	0.28	1
Naphthalene	ND		ug/kg	7.0	0.19	1
Acrylonitrile	ND		ug/kg	14	0.72	1

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1816140
Report Date: 05/10/18

SAMPLE RESULTS

Lab ID: L1816140-04
Client ID: SB-12 (18)
Sample Location: EAST HARLEM, NY
Date Collected: 05/04/18 13:30
Date Received: 05/04/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.4	0.30	1
1,2,3-Trichlorobenzene	ND		ug/kg	7.0	0.35	1
1,2,4-Trichlorobenzene	ND		ug/kg	7.0	0.30	1
1,3,5-Trimethylbenzene	ND		ug/kg	7.0	0.23	1
1,2,4-Trimethylbenzene	ND		ug/kg	7.0	0.26	1
1,4-Dioxane	ND		ug/kg	56	20.	1
p-Diethylbenzene	ND		ug/kg	5.6	5.6	1
p-Ethyltoluene	ND		ug/kg	5.6	0.33	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	5.6	0.22	1
Ethyl ether	ND		ug/kg	7.0	0.36	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	7.0	0.55	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	99		70-130

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1816140
Report Date: 05/10/18

SAMPLE RESULTS

Lab ID: L1816140-05
Client ID: SB-11 / GW
Sample Location: EAST HARLEM, NY
Date Collected: 05/04/18 13:00
Date Received: 05/04/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 05/07/18 22:23
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	29		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	3.2		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: SENDERO VERDE **Lab Number:** L1816140

Project Number: 2984.0001Y000 **Report Date:** 05/10/18

SAMPLE RESULTS

Lab ID: L1816140-05 Date Collected: 05/04/18 13:00

Client ID: SB-11 / GW Date Received: 05/04/18

Sample Location: EAST HARLEM, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	3.8	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1816140
Report Date: 05/10/18

SAMPLE RESULTS

Lab ID: L1816140-05
Client ID: SB-11 / GW
Sample Location: EAST HARLEM, NY
Date Collected: 05/04/18 13:00
Date Received: 05/04/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	108		70-130

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1816140
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Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/07/18 19:50
Analyst: PK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG1113632-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1816140
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Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/07/18 19:50
Analyst: PK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG1113632-5					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

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Analyst: PK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG1113632-5					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	103		70-130

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

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Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/09/18 08:35
Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02,04 Batch: WG1114095-5					
Methylene chloride	ND		ug/kg	10	1.6
1,1-Dichloroethane	ND		ug/kg	1.5	0.27
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.34
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.18
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.31
Tetrachloroethene	ND		ug/kg	1.0	0.30
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.42
1,2-Dichloroethane	ND		ug/kg	1.0	0.25
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.35
Bromodichloromethane	ND		ug/kg	1.0	0.31
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.21
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.23
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.21
1,1-Dichloropropene	ND		ug/kg	5.0	0.33
Bromoform	ND		ug/kg	4.0	0.24
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.30
Benzene	ND		ug/kg	1.0	0.19
Toluene	ND		ug/kg	1.5	0.20
Ethylbenzene	ND		ug/kg	1.0	0.17
Chloromethane	ND		ug/kg	5.0	0.44
Bromomethane	0.44	J	ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.32
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.37
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.24
Trichloroethene	ND		ug/kg	1.0	0.30

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Analytical Method: 1,8260C
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Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02,04 Batch: WG1114095-5					
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.22
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.18
Methyl tert butyl ether	ND		ug/kg	2.0	0.15
p/m-Xylene	ND		ug/kg	2.0	0.35
o-Xylene	ND		ug/kg	2.0	0.34
Xylenes, Total	ND		ug/kg	2.0	0.34
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.34
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.24
Dibromomethane	ND		ug/kg	10	0.24
Styrene	ND		ug/kg	2.0	0.40
Dichlorodifluoromethane	ND		ug/kg	10	0.50
Acetone	ND		ug/kg	10	2.3
Carbon disulfide	ND		ug/kg	10	1.1
2-Butanone	ND		ug/kg	10	0.69
Vinyl acetate	ND		ug/kg	10	0.15
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.18
2-Hexanone	ND		ug/kg	10	0.67
Bromochloromethane	ND		ug/kg	5.0	0.36
2,2-Dichloropropane	ND		ug/kg	5.0	0.45
1,2-Dibromoethane	ND		ug/kg	4.0	0.20
1,3-Dichloropropane	ND		ug/kg	5.0	0.18
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.22
n-Butylbenzene	ND		ug/kg	1.0	0.23
sec-Butylbenzene	ND		ug/kg	1.0	0.22
tert-Butylbenzene	ND		ug/kg	5.0	0.25
o-Chlorotoluene	ND		ug/kg	5.0	0.22

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Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/09/18 08:35
Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02,04 Batch: WG1114095-5					
p-Chlorotoluene	ND		ug/kg	5.0	0.18
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.40
Hexachlorobutadiene	ND		ug/kg	5.0	0.35
Isopropylbenzene	ND		ug/kg	1.0	0.19
p-Isopropyltoluene	ND		ug/kg	1.0	0.20
Naphthalene	ND		ug/kg	5.0	0.14
Acrylonitrile	ND		ug/kg	10	0.51
n-Propylbenzene	ND		ug/kg	1.0	0.22
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.25
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.22
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.16
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.19
1,4-Dioxane	ND		ug/kg	40	14.
p-Diethylbenzene	ND		ug/kg	4.0	4.0
p-Ethyltoluene	ND		ug/kg	4.0	0.23
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.16
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.39

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	96		70-130

Lab Control Sample Analysis
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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG1113632-3 WG1113632-4								
Methylene chloride	92		94		70-130	2		20
1,1-Dichloroethane	93		95		70-130	2		20
Chloroform	93		96		70-130	3		20
Carbon tetrachloride	100		100		63-132	0		20
1,2-Dichloropropane	89		92		70-130	3		20
Dibromochloromethane	90		94		63-130	4		20
1,1,2-Trichloroethane	91		97		70-130	6		20
Tetrachloroethene	98		100		70-130	2		20
Chlorobenzene	90		92		75-130	2		20
Trichlorofluoromethane	130		120		62-150	8		20
1,2-Dichloroethane	100		100		70-130	0		20
1,1,1-Trichloroethane	100		100		67-130	0		20
Bromodichloromethane	94		96		67-130	2		20
trans-1,3-Dichloropropene	90		93		70-130	3		20
cis-1,3-Dichloropropene	90		94		70-130	4		20
1,1-Dichloropropene	99		100		70-130	1		20
Bromoform	89		93		54-136	4		20
1,1,2,2-Tetrachloroethane	87		92		67-130	6		20
Benzene	93		95		70-130	2		20
Toluene	88		90		70-130	2		20
Ethylbenzene	92		95		70-130	3		20
Chloromethane	90		94		64-130	4		20
Bromomethane	54		76		39-139	**34**	Q	20

Lab Control Sample Analysis

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Report Date: 05/10/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG1113632-3 WG1113632-4								
Vinyl chloride	83		89		55-140	7		20
Chloroethane	87		87		55-138	0		20
1,1-Dichloroethene	95		99		61-145	4		20
trans-1,2-Dichloroethene	93		93		70-130	0		20
Trichloroethene	100		100		70-130	0		20
1,2-Dichlorobenzene	89		91		70-130	2		20
1,3-Dichlorobenzene	90		91		70-130	1		20
1,4-Dichlorobenzene	88		90		70-130	2		20
Methyl tert butyl ether	92		100		63-130	8		20
p/m-Xylene	95		100		70-130	5		20
o-Xylene	95		100		70-130	5		20
cis-1,2-Dichloroethene	88		91		70-130	3		20
Dibromomethane	91		95		70-130	4		20
1,2,3-Trichloropropane	86		97		64-130	12		20
Acrylonitrile	86		100		70-130	15		20
Styrene	100		100		70-130	0		20
Dichlorodifluoromethane	97		98		36-147	1		20
Acetone	**150**	Q	130		58-148	14		20
Carbon disulfide	99		100		51-130	1		20
2-Butanone	110		110		63-138	0		20
Vinyl acetate	94		100		70-130	6		20
4-Methyl-2-pentanone	84		98		59-130	15		20
2-Hexanone	88		97		57-130	10		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1816140
Report Date: 05/10/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG1113632-3 WG1113632-4								
Bromochloromethane	96		99		70-130	3		20
2,2-Dichloropropane	100		110		63-133	10		20
1,2-Dibromoethane	90		94		70-130	4		20
1,3-Dichloropropane	86		91		70-130	6		20
1,1,1,2-Tetrachloroethane	92		94		64-130	2		20
Bromobenzene	88		90		70-130	2		20
n-Butylbenzene	97		100		53-136	3		20
sec-Butylbenzene	95		98		70-130	3		20
tert-Butylbenzene	92		94		70-130	2		20
o-Chlorotoluene	90		92		70-130	2		20
p-Chlorotoluene	86		88		70-130	2		20
1,2-Dibromo-3-chloropropane	85		100		41-144	16		20
Hexachlorobutadiene	94		100		63-130	6		20
Isopropylbenzene	90		93		70-130	3		20
p-Isopropyltoluene	96		99		70-130	3		20
Naphthalene	84		97		70-130	14		20
n-Propylbenzene	94		96		69-130	2		20
1,2,3-Trichlorobenzene	89		96		70-130	8		20
1,2,4-Trichlorobenzene	85		93		70-130	9		20
1,3,5-Trimethylbenzene	92		94		64-130	2		20
1,2,4-Trimethylbenzene	90		93		70-130	3		20
1,4-Dioxane	58		144		56-162	**85**	Q	20
p-Diethylbenzene	99		100		70-130	1		20

Lab Control Sample Analysis

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Project Name: SENDERO VERDE

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG1113632-3 WG1113632-4								
p-Ethyltoluene	95		99		70-130	4		20
1,2,4,5-Tetramethylbenzene	95		99		70-130	4		20
Ethyl ether	92		98		59-134	6		20
trans-1,4-Dichloro-2-butene	86		95		70-130	10		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	108		109		70-130
Toluene-d8	96		96		70-130
4-Bromofluorobenzene	93		93		70-130
Dibromofluoromethane	105		104		70-130

Lab Control Sample Analysis

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Project Name: SENDERO VERDE

Project Number: 2984.0001Y000

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02,04 Batch: WG1114095-3 WG1114095-4								
Methylene chloride	101		98		70-130	3		30
1,1-Dichloroethane	104		101		70-130	3		30
Chloroform	101		99		70-130	2		30
Carbon tetrachloride	102		99		70-130	3		30
1,2-Dichloropropane	104		103		70-130	1		30
Dibromochloromethane	88		88		70-130	0		30
1,1,2-Trichloroethane	95		93		70-130	2		30
Tetrachloroethene	106		103		70-130	3		30
Chlorobenzene	100		98		70-130	2		30
Trichlorofluoromethane	95		90		70-139	5		30
1,2-Dichloroethane	94		92		70-130	2		30
1,1,1-Trichloroethane	102		98		70-130	4		30
Bromodichloromethane	100		99		70-130	1		30
trans-1,3-Dichloropropene	89		90		70-130	1		30
cis-1,3-Dichloropropene	106		103		70-130	3		30
1,1-Dichloropropene	107		103		70-130	4		30
Bromoform	85		84		70-130	1		30
1,1,2,2-Tetrachloroethane	98		96		70-130	2		30
Benzene	104		101		70-130	3		30
Toluene	103		100		70-130	3		30
Ethylbenzene	103		101		70-130	2		30
Chloromethane	100		96		52-130	4		30
Bromomethane	97		92		57-147	5		30

Lab Control Sample Analysis

Batch Quality Control

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02,04 Batch: WG1114095-3 WG1114095-4								
Vinyl chloride	102		96		67-130	6		30
Chloroethane	93		92		50-151	1		30
1,1-Dichloroethene	106		102		65-135	4		30
trans-1,2-Dichloroethene	105		103		70-130	2		30
Trichloroethene	103		101		70-130	2		30
1,2-Dichlorobenzene	101		96		70-130	5		30
1,3-Dichlorobenzene	102		98		70-130	4		30
1,4-Dichlorobenzene	98		95		70-130	3		30
Methyl tert butyl ether	100		97		66-130	3		30
p/m-Xylene	106		103		70-130	3		30
o-Xylene	104		101		70-130	3		30
cis-1,2-Dichloroethene	107		104		70-130	3		30
Dibromomethane	93		91		70-130	2		30
Styrene	104		102		70-130	2		30
Dichlorodifluoromethane	87		84		30-146	4		30
Acetone	100		98		54-140	2		30
Carbon disulfide	97		93		59-130	4		30
2-Butanone	86		85		70-130	1		30
Vinyl acetate	92		89		70-130	3		30
4-Methyl-2-pentanone	94		93		70-130	1		30
1,2,3-Trichloropropane	97		96		68-130	1		30
2-Hexanone	90		88		70-130	2		30
Bromochloromethane	108		104		70-130	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SENDERO VERDE

Project Number: 2984.0001Y000

Lab Number: L1816140

Report Date: 05/10/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02,04 Batch: WG1114095-3 WG1114095-4								
2,2-Dichloropropane	104		101		70-130	3		30
1,2-Dibromoethane	94		92		70-130	2		30
1,3-Dichloropropane	102		100		69-130	2		30
1,1,1,2-Tetrachloroethane	100		99		70-130	1		30
Bromobenzene	101		98		70-130	3		30
n-Butylbenzene	104		101		70-130	3		30
sec-Butylbenzene	102		98		70-130	4		30
tert-Butylbenzene	103		99		70-130	4		30
o-Chlorotoluene	99		96		70-130	3		30
p-Chlorotoluene	102		97		70-130	5		30
1,2-Dibromo-3-chloropropane	87		83		68-130	5		30
Hexachlorobutadiene	103		100		67-130	3		30
Isopropylbenzene	103		99		70-130	4		30
p-Isopropyltoluene	105		101		70-130	4		30
Naphthalene	98		98		70-130	0		30
Acrylonitrile	96		95		70-130	1		30
n-Propylbenzene	104		100		70-130	4		30
1,2,3-Trichlorobenzene	101		98		70-130	3		30
1,2,4-Trichlorobenzene	106		102		70-130	4		30
1,3,5-Trimethylbenzene	102		98		70-130	4		30
1,2,4-Trimethylbenzene	103		99		70-130	4		30
1,4-Dioxane	100		100		65-136	0		30
p-Diethylbenzene	106		102		70-130	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SENDERO VERDE

Project Number: 2984.0001Y000

Lab Number: L1816140

Report Date: 05/10/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02,04 Batch: WG1114095-3 WG1114095-4								
p-Ethyltoluene	105		102		70-130	3		30
1,2,4,5-Tetramethylbenzene	102		99		70-130	3		30
Ethyl ether	94		91		67-130	3		30
trans-1,4-Dichloro-2-butene	93		90		70-130	3		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	92		92		70-130
Toluene-d8	99		100		70-130
4-Bromofluorobenzene	101		100		70-130
Dibromofluoromethane	97		98		70-130

SEMIVOLATILES

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1816140
Report Date: 05/10/18

SAMPLE RESULTS

Lab ID: L1816140-01
Client ID: SB-11 (8-10)
Sample Location: EAST HARLEM, NY

Date Collected: 05/04/18 12:00
Date Received: 05/04/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 05/08/18 07:53
Analyst: SZ
Percent Solids: 75%

Extraction Method: EPA 3546
Extraction Date: 05/07/18 09:13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	170	22.	1
1,2,4-Trichlorobenzene	ND		ug/kg	220	25.	1
Hexachlorobenzene	ND		ug/kg	130	24.	1
Bis(2-chloroethyl)ether	ND		ug/kg	200	29.	1
2-Chloronaphthalene	ND		ug/kg	220	22.	1
1,2-Dichlorobenzene	ND		ug/kg	220	39.	1
1,3-Dichlorobenzene	ND		ug/kg	220	37.	1
1,4-Dichlorobenzene	ND		ug/kg	220	38.	1
3,3'-Dichlorobenzidine	ND		ug/kg	220	58.	1
2,4-Dinitrotoluene	ND		ug/kg	220	43.	1
2,6-Dinitrotoluene	ND		ug/kg	220	37.	1
Fluoranthene	1200		ug/kg	130	25.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	220	23.	1
4-Bromophenyl phenyl ether	ND		ug/kg	220	33.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	260	37.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	230	22.	1
Hexachlorobutadiene	ND		ug/kg	220	32.	1
Hexachlorocyclopentadiene	ND		ug/kg	620	200	1
Hexachloroethane	ND		ug/kg	170	35.	1
Isophorone	ND		ug/kg	200	28.	1
Naphthalene	44	J	ug/kg	220	26.	1
Nitrobenzene	ND		ug/kg	200	32.	1
NDPA/DPA	ND		ug/kg	170	25.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	220	33.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	220	75.	1
Butyl benzyl phthalate	ND		ug/kg	220	55.	1
Di-n-butylphthalate	ND		ug/kg	220	41.	1
Di-n-octylphthalate	ND		ug/kg	220	74.	1

Project Name: SENDERO VERDE **Lab Number:** L1816140

Project Number: 2984.0001Y000 **Report Date:** 05/10/18

SAMPLE RESULTS

Lab ID: L1816140-01 Date Collected: 05/04/18 12:00

Client ID: SB-11 (8-10) Date Received: 05/04/18

Sample Location: EAST HARLEM, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	220	20.	1
Dimethyl phthalate	ND		ug/kg	220	46.	1
Benzo(a)anthracene	830		ug/kg	130	24.	1
Benzo(a)pyrene	720		ug/kg	170	53.	1
Benzo(b)fluoranthene	1000		ug/kg	130	36.	1
Benzo(k)fluoranthene	320		ug/kg	130	35.	1
Chrysene	810		ug/kg	130	22.	1
Acenaphthylene	340		ug/kg	170	33.	1
Anthracene	210		ug/kg	130	42.	1
Benzo(ghi)perylene	560		ug/kg	170	25.	1
Fluorene	47	J	ug/kg	220	21.	1
Phenanthrene	810		ug/kg	130	26.	1
Dibenzo(a,h)anthracene	140		ug/kg	130	25.	1
Indeno(1,2,3-cd)pyrene	560		ug/kg	170	30.	1
Pyrene	1300		ug/kg	130	22.	1
Biphenyl	ND		ug/kg	490	50.	1
4-Chloroaniline	ND		ug/kg	220	39.	1
2-Nitroaniline	ND		ug/kg	220	42.	1
3-Nitroaniline	ND		ug/kg	220	41.	1
4-Nitroaniline	ND		ug/kg	220	90.	1
Dibenzofuran	35	J	ug/kg	220	20.	1
2-Methylnaphthalene	ND		ug/kg	260	26.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	220	23.	1
Acetophenone	ND		ug/kg	220	27.	1
2,4,6-Trichlorophenol	ND		ug/kg	130	41.	1
p-Chloro-m-cresol	ND		ug/kg	220	32.	1
2-Chlorophenol	ND		ug/kg	220	26.	1
2,4-Dichlorophenol	ND		ug/kg	200	35.	1
2,4-Dimethylphenol	ND		ug/kg	220	72.	1
2-Nitrophenol	ND		ug/kg	470	81.	1
4-Nitrophenol	ND		ug/kg	300	88.	1
2,4-Dinitrophenol	ND		ug/kg	1000	100	1
4,6-Dinitro-o-cresol	ND		ug/kg	560	100	1
Pentachlorophenol	ND		ug/kg	170	48.	1
Phenol	ND		ug/kg	220	33.	1
2-Methylphenol	ND		ug/kg	220	34.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	310	34.	1

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1816140
Report Date: 05/10/18

SAMPLE RESULTS

Lab ID: L1816140-01
Client ID: SB-11 (8-10)
Sample Location: EAST HARLEM, NY
Date Collected: 05/04/18 12:00
Date Received: 05/04/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	220	42.	1
Benzoic Acid	ND		ug/kg	700	220	1
Benzyl Alcohol	ND		ug/kg	220	66.	1
Carbazole	110	J	ug/kg	220	21.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	77		25-120
Phenol-d6	85		10-120
Nitrobenzene-d5	86		23-120
2-Fluorobiphenyl	81		30-120
2,4,6-Tribromophenol	93		10-136
4-Terphenyl-d14	81		18-120

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1816140
Report Date: 05/10/18

SAMPLE RESULTS

Lab ID: L1816140-03
Client ID: SB-12 (17-19)
Sample Location: EAST HARLEM, NY

Date Collected: 05/04/18 13:30
Date Received: 05/04/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 05/08/18 02:36
Analyst: SZ
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 05/07/18 09:13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	22.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	26.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
1,2-Dichlorobenzene	ND		ug/kg	190	34.	1
1,3-Dichlorobenzene	ND		ug/kg	190	33.	1
1,4-Dichlorobenzene	ND		ug/kg	190	33.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	51.	1
2,4-Dinitrotoluene	ND		ug/kg	190	38.	1
2,6-Dinitrotoluene	ND		ug/kg	190	33.	1
Fluoranthene	ND		ug/kg	110	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	29.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	33.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	550	170	1
Hexachloroethane	ND		ug/kg	150	31.	1
Isophorone	ND		ug/kg	170	25.	1
Naphthalene	ND		ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	30.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	66.	1
Butyl benzyl phthalate	ND		ug/kg	190	48.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	65.	1

Project Name: SENDERO VERDE **Lab Number:** L1816140

Project Number: 2984.0001Y000 **Report Date:** 05/10/18

SAMPLE RESULTS

Lab ID: L1816140-03 Date Collected: 05/04/18 13:30

Client ID: SB-12 (17-19) Date Received: 05/04/18

Sample Location: EAST HARLEM, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	190	18.	1
Dimethyl phthalate	ND		ug/kg	190	40.	1
Benzo(a)anthracene	ND		ug/kg	110	22.	1
Benzo(a)pyrene	ND		ug/kg	150	47.	1
Benzo(b)fluoranthene	ND		ug/kg	110	32.	1
Benzo(k)fluoranthene	ND		ug/kg	110	30.	1
Chrysene	ND		ug/kg	110	20.	1
Acenaphthylene	ND		ug/kg	150	30.	1
Anthracene	ND		ug/kg	110	37.	1
Benzo(ghi)perylene	ND		ug/kg	150	22.	1
Fluorene	ND		ug/kg	190	18.	1
Phenanthrene	ND		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	27.	1
Pyrene	ND		ug/kg	110	19.	1
Biphenyl	ND		ug/kg	440	44.	1
4-Chloroaniline	ND		ug/kg	190	35.	1
2-Nitroaniline	ND		ug/kg	190	37.	1
3-Nitroaniline	ND		ug/kg	190	36.	1
4-Nitroaniline	ND		ug/kg	190	79.	1
Dibenzofuran	ND		ug/kg	190	18.	1
2-Methylnaphthalene	ND		ug/kg	230	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	28.	1
2-Chlorophenol	ND		ug/kg	190	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	31.	1
2,4-Dimethylphenol	ND		ug/kg	190	63.	1
2-Nitrophenol	ND		ug/kg	410	72.	1
4-Nitrophenol	ND		ug/kg	270	78.	1
2,4-Dinitrophenol	ND		ug/kg	920	89.	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	92.	1
Pentachlorophenol	ND		ug/kg	150	42.	1
Phenol	ND		ug/kg	190	29.	1
2-Methylphenol	ND		ug/kg	190	30.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	30.	1

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1816140
Report Date: 05/10/18

SAMPLE RESULTS

Lab ID: L1816140-03
Client ID: SB-12 (17-19)
Sample Location: EAST HARLEM, NY
Date Collected: 05/04/18 13:30
Date Received: 05/04/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	190	37.	1
Benzoic Acid	ND		ug/kg	620	190	1
Benzyl Alcohol	ND		ug/kg	190	58.	1
Carbazole	ND		ug/kg	190	18.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	86		25-120
Phenol-d6	90		10-120
Nitrobenzene-d5	97		23-120
2-Fluorobiphenyl	85		30-120
2,4,6-Tribromophenol	99		10-136
4-Terphenyl-d14	102		18-120

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1816140
Report Date: 05/10/18

SAMPLE RESULTS

Lab ID: L1816140-05
Client ID: SB-11 / GW
Sample Location: EAST HARLEM, NY

Date Collected: 05/04/18 13:00
Date Received: 05/04/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 05/08/18 01:46
Analyst: RC

Extraction Method: EPA 3510C
Extraction Date: 05/05/18 08:36

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.66	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.67	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.73	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.69	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.71	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.4	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.84	1
2,6-Dinitrotoluene	ND		ug/l	5.0	1.1	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.62	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.73	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.70	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.63	1
Hexachlorocyclopentadiene	ND		ug/l	20	7.8	1
Isophorone	ND		ug/l	5.0	0.60	1
Nitrobenzene	ND		ug/l	2.0	0.75	1
NDPA/DPA	ND		ug/l	2.0	0.64	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.70	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	0.91	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.3	1
Di-n-butylphthalate	ND		ug/l	5.0	0.69	1
Di-n-octylphthalate	ND		ug/l	5.0	1.1	1
Diethyl phthalate	ND		ug/l	5.0	0.63	1
Dimethyl phthalate	ND		ug/l	5.0	0.65	1
Biphenyl	ND		ug/l	2.0	0.76	1
4-Chloroaniline	ND		ug/l	5.0	0.63	1
2-Nitroaniline	ND		ug/l	5.0	1.1	1
3-Nitroaniline	ND		ug/l	5.0	1.2	1
4-Nitroaniline	ND		ug/l	5.0	1.3	1

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1816140
Report Date: 05/10/18

SAMPLE RESULTS

Lab ID: L1816140-05
Client ID: SB-11 / GW
Sample Location: EAST HARLEM, NY
Date Collected: 05/04/18 13:00
Date Received: 05/04/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	ND		ug/l	2.0	0.66	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.67	1
Acetophenone	ND		ug/l	5.0	0.85	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.68	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.62	1
2-Chlorophenol	ND		ug/l	2.0	0.63	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.77	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.6	1
2-Nitrophenol	ND		ug/l	10	1.5	1
4-Nitrophenol	ND		ug/l	10	1.8	1
2,4-Dinitrophenol	ND		ug/l	20	5.5	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.1	1
Phenol	ND		ug/l	5.0	1.9	1
2-Methylphenol	ND		ug/l	5.0	1.0	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.1	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.72	1
Benzoic Acid	ND		ug/l	50	13.	1
Benzyl Alcohol	ND		ug/l	2.0	0.72	1
Carbazole	ND		ug/l	2.0	0.63	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	28		21-120
Phenol-d6	23		10-120
Nitrobenzene-d5	62		23-120
2-Fluorobiphenyl	71		15-120
2,4,6-Tribromophenol	60		10-120
4-Terphenyl-d14	89		41-149

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1816140
Report Date: 05/10/18

SAMPLE RESULTS

Lab ID: L1816140-05
Client ID: SB-11 / GW
Sample Location: EAST HARLEM, NY

Date Collected: 05/04/18 13:00
Date Received: 05/04/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 05/06/18 21:16
Analyst: KL

Extraction Method: EPA 3510C
Extraction Date: 05/05/18 08:37

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.04	1
2-Chloronaphthalene	ND		ug/l	0.20	0.04	1
Fluoranthene	0.32		ug/l	0.10	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.04	1
Naphthalene	0.19		ug/l	0.10	0.04	1
Benzo(a)anthracene	0.10		ug/l	0.10	0.02	1
Benzo(a)pyrene	0.10		ug/l	0.10	0.04	1
Benzo(b)fluoranthene	0.14		ug/l	0.10	0.02	1
Benzo(k)fluoranthene	0.06	J	ug/l	0.10	0.04	1
Chrysene	0.11		ug/l	0.10	0.04	1
Acenaphthylene	0.15		ug/l	0.10	0.04	1
Anthracene	0.09	J	ug/l	0.10	0.04	1
Benzo(ghi)perylene	0.07	J	ug/l	0.10	0.04	1
Fluorene	0.17		ug/l	0.10	0.04	1
Phenanthrene	0.58		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.04	1
Indeno(1,2,3-cd)pyrene	0.07	J	ug/l	0.10	0.04	1
Pyrene	0.24		ug/l	0.10	0.04	1
2-Methylnaphthalene	0.09	J	ug/l	0.10	0.05	1
Pentachlorophenol	ND		ug/l	0.80	0.22	1
Hexachlorobenzene	ND		ug/l	0.80	0.03	1
Hexachloroethane	ND		ug/l	0.80	0.03	1

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1816140
Report Date: 05/10/18

SAMPLE RESULTS

Lab ID: L1816140-05
Client ID: SB-11 / GW
Sample Location: EAST HARLEM, NY
Date Collected: 05/04/18 13:00
Date Received: 05/04/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	28		21-120
Phenol-d6	23		10-120
Nitrobenzene-d5	60		23-120
2-Fluorobiphenyl	61		15-120
2,4,6-Tribromophenol	74		10-120
4-Terphenyl-d14	82		41-149

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1816140
Report Date: 05/10/18

SAMPLE RESULTS

Lab ID: L1816140-06
Client ID: SB-11 / GW FILTERED
Sample Location: EAST HARLEM, NY

Date Collected: 05/04/18 13:00
Date Received: 05/04/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 05/09/18 04:25
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 05/08/18 07:27

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.66	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.67	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.73	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.69	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.71	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.4	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.84	1
2,6-Dinitrotoluene	ND		ug/l	5.0	1.1	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.62	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.73	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.70	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.63	1
Hexachlorocyclopentadiene	ND		ug/l	20	7.8	1
Isophorone	ND		ug/l	5.0	0.60	1
Nitrobenzene	ND		ug/l	2.0	0.75	1
NDPA/DPA	ND		ug/l	2.0	0.64	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.70	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	0.91	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.3	1
Di-n-butylphthalate	ND		ug/l	5.0	0.69	1
Di-n-octylphthalate	ND		ug/l	5.0	1.1	1
Diethyl phthalate	ND		ug/l	5.0	0.63	1
Dimethyl phthalate	ND		ug/l	5.0	0.65	1
Biphenyl	ND		ug/l	2.0	0.76	1
4-Chloroaniline	ND		ug/l	5.0	0.63	1
2-Nitroaniline	ND		ug/l	5.0	1.1	1
3-Nitroaniline	ND		ug/l	5.0	1.2	1
4-Nitroaniline	ND		ug/l	5.0	1.3	1

Project Name: SENDERO VERDE **Lab Number:** L1816140

Project Number: 2984.0001Y000 **Report Date:** 05/10/18

SAMPLE RESULTS

Lab ID: L1816140-06 Date Collected: 05/04/18 13:00

Client ID: SB-11 / GW FILTERED Date Received: 05/04/18

Sample Location: EAST HARLEM, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	ND		ug/l	2.0	0.66	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.67	1
Acetophenone	ND		ug/l	5.0	0.85	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.68	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.62	1
2-Chlorophenol	ND		ug/l	2.0	0.63	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.77	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.6	1
2-Nitrophenol	ND		ug/l	10	1.5	1
4-Nitrophenol	ND		ug/l	10	1.8	1
2,4-Dinitrophenol	ND		ug/l	20	5.5	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.1	1
Phenol	ND		ug/l	5.0	1.9	1
2-Methylphenol	ND		ug/l	5.0	1.0	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.1	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.72	1
Benzoic Acid	ND		ug/l	50	13.	1
Benzyl Alcohol	ND		ug/l	2.0	0.72	1
Carbazole	ND		ug/l	2.0	0.63	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	40		21-120
Phenol-d6	29		10-120
Nitrobenzene-d5	75		23-120
2-Fluorobiphenyl	75		15-120
2,4,6-Tribromophenol	78		10-120
4-Terphenyl-d14	94		41-149

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1816140
Report Date: 05/10/18

SAMPLE RESULTS

Lab ID: L1816140-06
Client ID: SB-11 / GW FILTERED
Sample Location: EAST HARLEM, NY

Date Collected: 05/04/18 13:00
Date Received: 05/04/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 05/09/18 11:41
Analyst: KL

Extraction Method: EPA 3510C
Extraction Date: 05/08/18 07:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.04	1
2-Chloronaphthalene	ND		ug/l	0.20	0.04	1
Fluoranthene	ND		ug/l	0.10	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.04	1
Naphthalene	ND		ug/l	0.10	0.04	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.04	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.02	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.04	1
Chrysene	ND		ug/l	0.10	0.04	1
Acenaphthylene	ND		ug/l	0.10	0.04	1
Anthracene	ND		ug/l	0.10	0.04	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.04	1
Fluorene	ND		ug/l	0.10	0.04	1
Phenanthrene	0.08	J	ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.04	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.04	1
Pyrene	ND		ug/l	0.10	0.04	1
2-Methylnaphthalene	ND		ug/l	0.10	0.05	1
Pentachlorophenol	ND		ug/l	0.80	0.22	1
Hexachlorobenzene	ND		ug/l	0.80	0.03	1
Hexachloroethane	ND		ug/l	0.80	0.03	1

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1816140
Report Date: 05/10/18

SAMPLE RESULTS

Lab ID: L1816140-06
Client ID: SB-11 / GW FILTERED
Sample Location: EAST HARLEM, NY
Date Collected: 05/04/18 13:00
Date Received: 05/04/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	33		21-120
Phenol-d6	24		10-120
Nitrobenzene-d5	60		23-120
2-Fluorobiphenyl	67		15-120
2,4,6-Tribromophenol	79		10-120
4-Terphenyl-d14	77		41-149

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1816140
Report Date: 05/10/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 05/06/18 16:54
Analyst: KL

Extraction Method: EPA 3510C
Extraction Date: 05/05/18 08:37

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 05 Batch: WG1112912-1					
Acenaphthene	ND		ug/l	0.10	0.04
2-Chloronaphthalene	ND		ug/l	0.20	0.04
Fluoranthene	ND		ug/l	0.10	0.04
Hexachlorobutadiene	ND		ug/l	0.50	0.04
Naphthalene	ND		ug/l	0.10	0.04
Benzo(a)anthracene	ND		ug/l	0.10	0.02
Benzo(a)pyrene	ND		ug/l	0.10	0.04
Benzo(b)fluoranthene	ND		ug/l	0.10	0.02
Benzo(k)fluoranthene	ND		ug/l	0.10	0.04
Chrysene	ND		ug/l	0.10	0.04
Acenaphthylene	ND		ug/l	0.10	0.04
Anthracene	ND		ug/l	0.10	0.04
Benzo(ghi)perylene	ND		ug/l	0.10	0.04
Fluorene	ND		ug/l	0.10	0.04
Phenanthrene	ND		ug/l	0.10	0.02
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.04
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.04
Pyrene	ND		ug/l	0.10	0.04
2-Methylnaphthalene	ND		ug/l	0.10	0.05
Pentachlorophenol	ND		ug/l	0.80	0.22
Hexachlorobenzene	ND		ug/l	0.80	0.03
Hexachloroethane	ND		ug/l	0.80	0.03

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1816140
Report Date: 05/10/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 05/06/18 16:54
Analyst: KL

Extraction Method: EPA 3510C
Extraction Date: 05/05/18 08:37

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 05 Batch: WG1112912-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	33		21-120
Phenol-d6	24		10-120
Nitrobenzene-d5	61		23-120
2-Fluorobiphenyl	56		15-120
2,4,6-Tribromophenol	74		10-120
4-Terphenyl-d14	73		41-149

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1816140
Report Date: 05/10/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 05/07/18 20:18
Analyst: RC

Extraction Method: EPA 3510C
Extraction Date: 05/05/18 08:36

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG1112913-1					
Acenaphthene	ND		ug/l	2.0	0.59
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.66
Hexachlorobenzene	ND		ug/l	2.0	0.58
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.67
2-Chloronaphthalene	ND		ug/l	2.0	0.64
1,2-Dichlorobenzene	ND		ug/l	2.0	0.73
1,3-Dichlorobenzene	ND		ug/l	2.0	0.69
1,4-Dichlorobenzene	ND		ug/l	2.0	0.71
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.4
2,4-Dinitrotoluene	ND		ug/l	5.0	0.84
2,6-Dinitrotoluene	ND		ug/l	5.0	1.1
Fluoranthene	ND		ug/l	2.0	0.57
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.62
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.73
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.70
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.63
Hexachlorobutadiene	ND		ug/l	2.0	0.72
Hexachlorocyclopentadiene	ND		ug/l	20	7.8
Hexachloroethane	ND		ug/l	2.0	0.68
Isophorone	ND		ug/l	5.0	0.60
Naphthalene	ND		ug/l	2.0	0.68
Nitrobenzene	ND		ug/l	2.0	0.75
NDPA/DPA	ND		ug/l	2.0	0.64
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.70
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	0.91
Butyl benzyl phthalate	ND		ug/l	5.0	1.3
Di-n-butylphthalate	ND		ug/l	5.0	0.69
Di-n-octylphthalate	ND		ug/l	5.0	1.1
Diethyl phthalate	ND		ug/l	5.0	0.63

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1816140
Report Date: 05/10/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 05/07/18 20:18
Analyst: RC

Extraction Method: EPA 3510C
Extraction Date: 05/05/18 08:36

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG1112913-1					
Dimethyl phthalate	ND		ug/l	5.0	0.65
Benzo(a)anthracene	ND		ug/l	2.0	0.61
Benzo(a)pyrene	ND		ug/l	2.0	0.54
Benzo(b)fluoranthene	ND		ug/l	2.0	0.64
Benzo(k)fluoranthene	ND		ug/l	2.0	0.60
Chrysene	ND		ug/l	2.0	0.54
Acenaphthylene	ND		ug/l	2.0	0.66
Anthracene	ND		ug/l	2.0	0.64
Benzo(ghi)perylene	ND		ug/l	2.0	0.61
Fluorene	ND		ug/l	2.0	0.62
Phenanthrene	ND		ug/l	2.0	0.61
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.55
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.71
Pyrene	ND		ug/l	2.0	0.57
Biphenyl	ND		ug/l	2.0	0.76
4-Chloroaniline	ND		ug/l	5.0	0.63
2-Nitroaniline	ND		ug/l	5.0	1.1
3-Nitroaniline	ND		ug/l	5.0	1.2
4-Nitroaniline	ND		ug/l	5.0	1.3
Dibenzofuran	ND		ug/l	2.0	0.66
2-Methylnaphthalene	ND		ug/l	2.0	0.72
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.67
Acetophenone	ND		ug/l	5.0	0.85
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.68
p-Chloro-m-cresol	ND		ug/l	2.0	0.62
2-Chlorophenol	ND		ug/l	2.0	0.63
2,4-Dichlorophenol	ND		ug/l	5.0	0.77
2,4-Dimethylphenol	ND		ug/l	5.0	1.6
2-Nitrophenol	ND		ug/l	10	1.5

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1816140
Report Date: 05/10/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 05/07/18 20:18
Analyst: RC

Extraction Method: EPA 3510C
Extraction Date: 05/05/18 08:36

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG1112913-1					
4-Nitrophenol	ND		ug/l	10	1.8
2,4-Dinitrophenol	ND		ug/l	20	5.5
4,6-Dinitro-o-cresol	ND		ug/l	10	2.1
Pentachlorophenol	ND		ug/l	10	3.4
Phenol	ND		ug/l	5.0	1.9
2-Methylphenol	ND		ug/l	5.0	1.0
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.72
Benzoic Acid	ND		ug/l	50	13.
Benzyl Alcohol	ND		ug/l	2.0	0.72
Carbazole	ND		ug/l	2.0	0.63
Tentatively Identified Compounds					
Total TIC Compounds	5.48	J	ug/l		
Aldol Condensates	5.48	J	ug/l		

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	38		21-120
Phenol-d6	26		10-120
Nitrobenzene-d5	66		23-120
2-Fluorobiphenyl	69		15-120
2,4,6-Tribromophenol	68		10-120
4-Terphenyl-d14	81		41-149

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1816140
Report Date: 05/10/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 05/07/18 23:56
Analyst: CB

Extraction Method: EPA 3546
Extraction Date: 05/07/18 09:13

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01,03 Batch: WG1113219-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	19.
Hexachlorobenzene	ND		ug/kg	99	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	30.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	29.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	33.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	99	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	18.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	27.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	26.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	57.
Butyl benzyl phthalate	ND		ug/kg	160	42.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	56.
Diethyl phthalate	ND		ug/kg	160	15.

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1816140
Report Date: 05/10/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 05/07/18 23:56
Analyst: CB

Extraction Method: EPA 3546
Extraction Date: 05/07/18 09:13

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01,03 Batch: WG1113219-1					
Dimethyl phthalate	ND		ug/kg	160	35.
Benzo(a)anthracene	ND		ug/kg	99	19.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	99	28.
Benzo(k)fluoranthene	ND		ug/kg	99	26.
Chrysene	ND		ug/kg	99	17.
Acenaphthylene	ND		ug/kg	130	26.
Anthracene	ND		ug/kg	99	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	99	20.
Dibenzo(a,h)anthracene	ND		ug/kg	99	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	99	16.
Biphenyl	ND		ug/kg	380	38.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	32.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	68.
Dibenzofuran	ND		ug/kg	160	16.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	99	31.
p-Chloro-m-cresol	ND		ug/kg	160	25.
2-Chlorophenol	ND		ug/kg	160	20.
2,4-Dichlorophenol	ND		ug/kg	150	27.
2,4-Dimethylphenol	ND		ug/kg	160	55.
2-Nitrophenol	ND		ug/kg	360	62.

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1816140
Report Date: 05/10/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 05/07/18 23:56
Analyst: CB

Extraction Method: EPA 3546
Extraction Date: 05/07/18 09:13

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01,03 Batch: WG1113219-1					
4-Nitrophenol	ND		ug/kg	230	68.
2,4-Dinitrophenol	ND		ug/kg	790	77.
4,6-Dinitro-o-cresol	ND		ug/kg	430	79.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	26.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	32.
Benzoic Acid	ND		ug/kg	540	170
Benzyl Alcohol	ND		ug/kg	160	51.
Carbazole	ND		ug/kg	160	16.
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/kg		

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	84		25-120
Phenol-d6	88		10-120
Nitrobenzene-d5	94		23-120
2-Fluorobiphenyl	85		30-120
2,4,6-Tribromophenol	101		10-136
4-Terphenyl-d14	100		18-120

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1816140
Report Date: 05/10/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 05/09/18 03:09
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 05/08/18 07:27

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 06 Batch: WG1113548-1					
Acenaphthene	ND		ug/l	2.0	0.59
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.66
Hexachlorobenzene	ND		ug/l	2.0	0.58
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.67
2-Chloronaphthalene	ND		ug/l	2.0	0.64
1,2-Dichlorobenzene	ND		ug/l	2.0	0.73
1,3-Dichlorobenzene	ND		ug/l	2.0	0.69
1,4-Dichlorobenzene	ND		ug/l	2.0	0.71
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.4
2,4-Dinitrotoluene	ND		ug/l	5.0	0.84
2,6-Dinitrotoluene	ND		ug/l	5.0	1.1
Fluoranthene	ND		ug/l	2.0	0.57
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.62
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.73
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.70
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.63
Hexachlorobutadiene	ND		ug/l	2.0	0.72
Hexachlorocyclopentadiene	ND		ug/l	20	7.8
Hexachloroethane	ND		ug/l	2.0	0.68
Isophorone	ND		ug/l	5.0	0.60
Naphthalene	ND		ug/l	2.0	0.68
Nitrobenzene	ND		ug/l	2.0	0.75
NDPA/DPA	ND		ug/l	2.0	0.64
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.70
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	0.91
Butyl benzyl phthalate	ND		ug/l	5.0	1.3
Di-n-butylphthalate	ND		ug/l	5.0	0.69
Di-n-octylphthalate	ND		ug/l	5.0	1.1
Diethyl phthalate	ND		ug/l	5.0	0.63

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1816140
Report Date: 05/10/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 05/09/18 03:09
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 05/08/18 07:27

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 06 Batch: WG1113548-1					
Dimethyl phthalate	ND		ug/l	5.0	0.65
Benzo(a)anthracene	ND		ug/l	2.0	0.61
Benzo(a)pyrene	ND		ug/l	2.0	0.54
Benzo(b)fluoranthene	ND		ug/l	2.0	0.64
Benzo(k)fluoranthene	ND		ug/l	2.0	0.60
Chrysene	ND		ug/l	2.0	0.54
Acenaphthylene	ND		ug/l	2.0	0.66
Anthracene	ND		ug/l	2.0	0.64
Benzo(ghi)perylene	ND		ug/l	2.0	0.61
Fluorene	ND		ug/l	2.0	0.62
Phenanthrene	ND		ug/l	2.0	0.61
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.55
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.71
Pyrene	ND		ug/l	2.0	0.57
Biphenyl	ND		ug/l	2.0	0.76
4-Chloroaniline	ND		ug/l	5.0	0.63
2-Nitroaniline	ND		ug/l	5.0	1.1
3-Nitroaniline	ND		ug/l	5.0	1.2
4-Nitroaniline	ND		ug/l	5.0	1.3
Dibenzofuran	ND		ug/l	2.0	0.66
2-Methylnaphthalene	ND		ug/l	2.0	0.72
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.67
Acetophenone	ND		ug/l	5.0	0.85
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.68
p-Chloro-m-cresol	ND		ug/l	2.0	0.62
2-Chlorophenol	ND		ug/l	2.0	0.63
2,4-Dichlorophenol	ND		ug/l	5.0	0.77
2,4-Dimethylphenol	ND		ug/l	5.0	1.6
2-Nitrophenol	ND		ug/l	10	1.5

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1816140
Report Date: 05/10/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 05/09/18 03:09
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 05/08/18 07:27

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 06 Batch: WG1113548-1					
4-Nitrophenol	ND		ug/l	10	1.8
2,4-Dinitrophenol	ND		ug/l	20	5.5
4,6-Dinitro-o-cresol	ND		ug/l	10	2.1
Pentachlorophenol	ND		ug/l	10	3.4
Phenol	ND		ug/l	5.0	1.9
2-Methylphenol	ND		ug/l	5.0	1.0
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.72
Benzoic Acid	ND		ug/l	50	13.
Benzyl Alcohol	ND		ug/l	2.0	0.72
Carbazole	ND		ug/l	2.0	0.63
Tentatively Identified Compounds					
Total TIC Compounds	9.96	J	ug/l		
Aldol Condensates	9.96	J	ug/l		

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	45		21-120
Phenol-d6	32		10-120
Nitrobenzene-d5	79		23-120
2-Fluorobiphenyl	79		15-120
2,4,6-Tribromophenol	80		10-120
4-Terphenyl-d14	87		41-149

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1816140
Report Date: 05/10/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 05/09/18 10:14
Analyst: KL

Extraction Method: EPA 3510C
Extraction Date: 05/08/18 07:30

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 06 Batch: WG1113551-1					
Acenaphthene	ND		ug/l	0.10	0.04
2-Chloronaphthalene	ND		ug/l	0.20	0.04
Fluoranthene	ND		ug/l	0.10	0.04
Hexachlorobutadiene	ND		ug/l	0.50	0.04
Naphthalene	ND		ug/l	0.10	0.04
Benzo(a)anthracene	ND		ug/l	0.10	0.02
Benzo(a)pyrene	ND		ug/l	0.10	0.04
Benzo(b)fluoranthene	ND		ug/l	0.10	0.02
Benzo(k)fluoranthene	ND		ug/l	0.10	0.04
Chrysene	ND		ug/l	0.10	0.04
Acenaphthylene	ND		ug/l	0.10	0.04
Anthracene	ND		ug/l	0.10	0.04
Benzo(ghi)perylene	ND		ug/l	0.10	0.04
Fluorene	ND		ug/l	0.10	0.04
Phenanthrene	ND		ug/l	0.10	0.02
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.04
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.04
Pyrene	ND		ug/l	0.10	0.04
2-Methylnaphthalene	ND		ug/l	0.10	0.05
Pentachlorophenol	ND		ug/l	0.80	0.22
Hexachlorobenzene	ND		ug/l	0.80	0.03
Hexachloroethane	ND		ug/l	0.80	0.03

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1816140
Report Date: 05/10/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 05/09/18 10:14
Analyst: KL

Extraction Method: EPA 3510C
Extraction Date: 05/08/18 07:30

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 06 Batch: WG1113551-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	36		21-120
Phenol-d6	25		10-120
Nitrobenzene-d5	61		23-120
2-Fluorobiphenyl	66		15-120
2,4,6-Tribromophenol	81		10-120
4-Terphenyl-d14	72		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1816140
Report Date: 05/10/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 05 Batch: WG1112912-2 WG1112912-3								
Acenaphthene	80		77		40-140	4		40
2-Chloronaphthalene	68		65		40-140	5		40
Fluoranthene	81		82		40-140	1		40
Hexachlorobutadiene	60		56		40-140	7		40
Naphthalene	67		62		40-140	8		40
Benzo(a)anthracene	74		75		40-140	1		40
Benzo(a)pyrene	76		76		40-140	0		40
Benzo(b)fluoranthene	76		76		40-140	0		40
Benzo(k)fluoranthene	78		79		40-140	1		40
Chrysene	76		77		40-140	1		40
Acenaphthylene	76		74		40-140	3		40
Anthracene	78		78		40-140	0		40
Benzo(ghi)perylene	78		78		40-140	0		40
Fluorene	84		82		40-140	2		40
Phenanthrene	75		74		40-140	1		40
Dibenzo(a,h)anthracene	81		81		40-140	0		40
Indeno(1,2,3-cd)pyrene	79		79		40-140	0		40
Pyrene	78		79		40-140	1		40
2-Methylnaphthalene	68		65		40-140	5		40
Pentachlorophenol	81		82		40-140	1		40
Hexachlorobenzene	75		74		40-140	1		40
Hexachloroethane	60		53		40-140	12		40

Lab Control Sample Analysis

Batch Quality Control

Project Name: SENDERO VERDE

Project Number: 2984.0001Y000

Lab Number: L1816140

Report Date: 05/10/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 05 Batch: WG1112912-2 WG1112912-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	41		37		21-120
Phenol-d6	29		28		10-120
Nitrobenzene-d5	72		67		23-120
2-Fluorobiphenyl	65		63		15-120
2,4,6-Tribromophenol	86		83		10-120
4-Terphenyl-d14	81		82		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: SENDERO VERDE

Project Number: 2984.0001Y000

Lab Number: L1816140

Report Date: 05/10/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG1112913-2 WG1112913-3								
Acenaphthene	76		85		37-111	11		30
1,2,4-Trichlorobenzene	65		72		39-98	10		30
Hexachlorobenzene	78		86		40-140	10		30
Bis(2-chloroethyl)ether	70		77		40-140	10		30
2-Chloronaphthalene	72		81		40-140	12		30
1,2-Dichlorobenzene	62		70		40-140	12		30
1,3-Dichlorobenzene	59		67		40-140	13		30
1,4-Dichlorobenzene	59		68		36-97	14		30
3,3'-Dichlorobenzidine	73		74		40-140	1		30
2,4-Dinitrotoluene	83		92		48-143	10		30
2,6-Dinitrotoluene	81		90		40-140	11		30
Fluoranthene	82		90		40-140	9		30
4-Chlorophenyl phenyl ether	78		86		40-140	10		30
4-Bromophenyl phenyl ether	82		93		40-140	13		30
Bis(2-chloroisopropyl)ether	74		82		40-140	10		30
Bis(2-chloroethoxy)methane	76		84		40-140	10		30
Hexachlorobutadiene	66		73		40-140	10		30
Hexachlorocyclopentadiene	54		59		40-140	9		30
Hexachloroethane	59		66		40-140	11		30
Isophorone	76		85		40-140	11		30
Naphthalene	70		76		40-140	8		30
Nitrobenzene	72		79		40-140	9		30
NDPA/DPA	79		88		40-140	11		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1816140
Report Date: 05/10/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG1112913-2 WG1112913-3								
n-Nitrosodi-n-propylamine	76		84		29-132	10		30
Bis(2-ethylhexyl)phthalate	93		102		40-140	9		30
Butyl benzyl phthalate	89		97		40-140	9		30
Di-n-butylphthalate	87		96		40-140	10		30
Di-n-octylphthalate	96		105		40-140	9		30
Diethyl phthalate	82		90		40-140	9		30
Dimethyl phthalate	80		89		40-140	11		30
Benzo(a)anthracene	81		87		40-140	7		30
Benzo(a)pyrene	81		88		40-140	8		30
Benzo(b)fluoranthene	83		90		40-140	8		30
Benzo(k)fluoranthene	82		88		40-140	7		30
Chrysene	80		88		40-140	10		30
Acenaphthylene	78		87		45-123	11		30
Anthracene	82		89		40-140	8		30
Benzo(ghi)perylene	81		89		40-140	9		30
Fluorene	78		88		40-140	12		30
Phenanthrene	82		88		40-140	7		30
Dibenzo(a,h)anthracene	82		88		40-140	7		30
Indeno(1,2,3-cd)pyrene	81		90		40-140	11		30
Pyrene	80		88		26-127	10		30
Biphenyl	77		85		40-140	10		30
4-Chloroaniline	70		76		40-140	8		30
2-Nitroaniline	82		92		52-143	11		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1816140
Report Date: 05/10/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG1112913-2 WG1112913-3								
3-Nitroaniline	68		73		25-145	7		30
4-Nitroaniline	79		87		51-143	10		30
Dibenzofuran	78		86		40-140	10		30
2-Methylnaphthalene	74		81		40-140	9		30
1,2,4,5-Tetrachlorobenzene	74		82		2-134	10		30
Acetophenone	75		84		39-129	11		30
2,4,6-Trichlorophenol	79		89		30-130	12		30
p-Chloro-m-cresol	78		88		23-97	12		30
2-Chlorophenol	67		76		27-123	13		30
2,4-Dichlorophenol	76		86		30-130	12		30
2,4-Dimethylphenol	70		79		30-130	12		30
2-Nitrophenol	76		84		30-130	10		30
4-Nitrophenol	49		55		10-80	12		30
2,4-Dinitrophenol	69		79		20-130	14		30
4,6-Dinitro-o-cresol	91		101		20-164	10		30
Pentachlorophenol	67		74		9-103	10		30
Phenol	33		37		12-110	11		30
2-Methylphenol	62		70		30-130	12		30
3-Methylphenol/4-Methylphenol	59		66		30-130	11		30
2,4,5-Trichlorophenol	80		90		30-130	12		30
Benzoic Acid	38		41		10-164	8		30
Benzyl Alcohol	63		72		26-116	13		30
Carbazole	83		90		55-144	8		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SENDERO VERDE

Project Number: 2984.0001Y000

Lab Number: L1816140

Report Date: 05/10/18

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

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG1112913-2 WG1112913-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	42		47		21-120
Phenol-d6	29		33		10-120
Nitrobenzene-d5	70		78		23-120
2-Fluorobiphenyl	74		81		15-120
2,4,6-Tribromophenol	76		85		10-120
4-Terphenyl-d14	84		92		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: SENDERO VERDE

Project Number: 2984.0001Y000

Lab Number: L1816140

Report Date: 05/10/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03 Batch: WG1113219-2 WG1113219-3								
Acenaphthene	93		77		31-137	19		50
1,2,4-Trichlorobenzene	86		73		38-107	16		50
Hexachlorobenzene	100		81		40-140	21		50
Bis(2-chloroethyl)ether	89		77		40-140	14		50
2-Chloronaphthalene	92		74		40-140	22		50
1,2-Dichlorobenzene	88		74		40-140	17		50
1,3-Dichlorobenzene	83		73		40-140	13		50
1,4-Dichlorobenzene	87		72		28-104	19		50
3,3'-Dichlorobenzidine	62		55		40-140	12		50
2,4-Dinitrotoluene	122		98		40-132	22		50
2,6-Dinitrotoluene	115		90		40-140	24		50
Fluoranthene	95		78		40-140	20		50
4-Chlorophenyl phenyl ether	99		80		40-140	21		50
4-Bromophenyl phenyl ether	102		82		40-140	22		50
Bis(2-chloroisopropyl)ether	93		77		40-140	19		50
Bis(2-chloroethoxy)methane	94		76		40-117	21		50
Hexachlorobutadiene	91		76		40-140	18		50
Hexachlorocyclopentadiene	84		70		40-140	18		50
Hexachloroethane	87		73		40-140	18		50
Isophorone	97		78		40-140	22		50
Naphthalene	93		77		40-140	19		50
Nitrobenzene	109		91		40-140	18		50
NDPA/DPA	96		77		36-157	22		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: SENDERO VERDE

Project Number: 2984.0001Y000

Lab Number: L1816140

Report Date: 05/10/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03 Batch: WG1113219-2 WG1113219-3								
n-Nitrosodi-n-propylamine	101		82		32-121	21		50
Bis(2-ethylhexyl)phthalate	104		81		40-140	25		50
Butyl benzyl phthalate	102		87		40-140	16		50
Di-n-butylphthalate	98		81		40-140	19		50
Di-n-octylphthalate	104		83		40-140	22		50
Diethyl phthalate	97		79		40-140	20		50
Dimethyl phthalate	95		76		40-140	22		50
Benzo(a)anthracene	92		75		40-140	20		50
Benzo(a)pyrene	95		82		40-140	15		50
Benzo(b)fluoranthene	95		82		40-140	15		50
Benzo(k)fluoranthene	95		80		40-140	17		50
Chrysene	94		77		40-140	20		50
Acenaphthylene	99		78		40-140	24		50
Anthracene	97		78		40-140	22		50
Benzo(ghi)perylene	92		78		40-140	16		50
Fluorene	96		76		40-140	23		50
Phenanthrene	94		75		40-140	22		50
Dibenzo(a,h)anthracene	93		78		40-140	18		50
Indeno(1,2,3-cd)pyrene	92		78		40-140	16		50
Pyrene	94		78		35-142	19		50
Biphenyl	94		76		54-104	21		50
4-Chloroaniline	80		64		40-140	22		50
2-Nitroaniline	123		96		47-134	25		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1816140
Report Date: 05/10/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03 Batch: WG1113219-2 WG1113219-3								
3-Nitroaniline	102		82		26-129	22		50
4-Nitroaniline	113		92		41-125	20		50
Dibenzofuran	96		79		40-140	19		50
2-Methylnaphthalene	93		76		40-140	20		50
1,2,4,5-Tetrachlorobenzene	96		78		40-117	21		50
Acetophenone	100		82		14-144	20		50
2,4,6-Trichlorophenol	100		77		30-130	26		50
p-Chloro-m-cresol	**106**	Q	85		26-103	22		50
2-Chlorophenol	97		81		25-102	18		50
2,4-Dichlorophenol	99		80		30-130	21		50
2,4-Dimethylphenol	100		83		30-130	19		50
2-Nitrophenol	124		100		30-130	21		50
4-Nitrophenol	**136**	Q	101		11-114	30		50
2,4-Dinitrophenol	98		84		4-130	15		50
4,6-Dinitro-o-cresol	122		98		10-130	22		50
Pentachlorophenol	91		72		17-109	23		50
Phenol	**101**	Q	84		26-90	18		50
2-Methylphenol	102		84		30-130.	19		50
3-Methylphenol/4-Methylphenol	102		83		30-130	21		50
2,4,5-Trichlorophenol	102		84		30-130	19		50
Benzoic Acid	67		55		10-110	20		50
Benzyl Alcohol	105		87		40-140	19		50
Carbazole	97		79		54-128	20		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1816140
Report Date: 05/10/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03 Batch: WG1113219-2 WG1113219-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	92		73		25-120
Phenol-d6	94		76		10-120
Nitrobenzene-d5	103		84		23-120
2-Fluorobiphenyl	91		73		30-120
2,4,6-Tribromophenol	104		83		10-136
4-Terphenyl-d14	98		81		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: SENDERO VERDE

Project Number: 2984.0001Y000

Lab Number: L1816140

Report Date: 05/10/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 06 Batch: WG1113548-2 WG1113548-3								
Acenaphthene	82		88		37-111	7		30
1,2,4-Trichlorobenzene	73		82		39-98	12		30
Hexachlorobenzene	86		93		40-140	8		30
Bis(2-chloroethyl)ether	76		86		40-140	12		30
2-Chloronaphthalene	87		95		40-140	9		30
1,2-Dichlorobenzene	67		78		40-140	15		30
1,3-Dichlorobenzene	65		76		40-140	16		30
1,4-Dichlorobenzene	65		77		36-97	17		30
3,3'-Dichlorobenzidine	86		84		40-140	2		30
2,4-Dinitrotoluene	112		120		48-143	7		30
2,6-Dinitrotoluene	112		120		40-140	7		30
Fluoranthene	92		98		40-140	6		30
4-Chlorophenyl phenyl ether	86		92		40-140	7		30
4-Bromophenyl phenyl ether	88		96		40-140	9		30
Bis(2-chloroisopropyl)ether	96		108		40-140	12		30
Bis(2-chloroethoxy)methane	84		93		40-140	10		30
Hexachlorobutadiene	74		84		40-140	13		30
Hexachlorocyclopentadiene	70		78		40-140	11		30
Hexachloroethane	66		76		40-140	14		30
Isophorone	85		94		40-140	10		30
Naphthalene	76		84		40-140	10		30
Nitrobenzene	83		93		40-140	11		30
NDPA/DPA	88		95		40-140	8		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SENDERO VERDE

Project Number: 2984.0001Y000

Lab Number: L1816140

Report Date: 05/10/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 06 Batch: WG1113548-2 WG1113548-3								
n-Nitrosodi-n-propylamine	83		92		29-132	10		30
Bis(2-ethylhexyl)phthalate	99		103		40-140	4		30
Butyl benzyl phthalate	97		103		40-140	6		30
Di-n-butylphthalate	93		100		40-140	7		30
Di-n-octylphthalate	100		104		40-140	4		30
Diethyl phthalate	87		92		40-140	6		30
Dimethyl phthalate	93		99		40-140	6		30
Benzo(a)anthracene	89		94		40-140	5		30
Benzo(a)pyrene	93		95		40-140	2		30
Benzo(b)fluoranthene	93		95		40-140	2		30
Benzo(k)fluoranthene	90		93		40-140	3		30
Chrysene	90		94		40-140	4		30
Acenaphthylene	89		97		45-123	9		30
Anthracene	89		96		40-140	8		30
Benzo(ghi)perylene	89		94		40-140	5		30
Fluorene	88		95		40-140	8		30
Phenanthrene	89		94		40-140	5		30
Dibenzo(a,h)anthracene	89		92		40-140	3		30
Indeno(1,2,3-cd)pyrene	90		93		40-140	3		30
Pyrene	92		97		26-127	5		30
Biphenyl	88		95		40-140	8		30
4-Chloroaniline	74		80		40-140	8		30
2-Nitroaniline	111		121		52-143	9		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1816140
Report Date: 05/10/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 06 Batch: WG1113548-2 WG1113548-3								
3-Nitroaniline	89		91		25-145	2		30
4-Nitroaniline	99		106		51-143	7		30
Dibenzofuran	86		92		40-140	7		30
2-Methylnaphthalene	82		89		40-140	8		30
1,2,4,5-Tetrachlorobenzene	84		93		2-134	10		30
Acetophenone	84		93		39-129	10		30
2,4,6-Trichlorophenol	94		102		30-130	8		30
p-Chloro-m-cresol	91		**98**	Q	23-97	7		30
2-Chlorophenol	73		82		27-123	12		30
2,4-Dichlorophenol	89		98		30-130	10		30
2,4-Dimethylphenol	84		93		30-130	10		30
2-Nitrophenol	98		109		30-130	11		30
4-Nitrophenol	67		69		10-80	3		30
2,4-Dinitrophenol	93		99		20-130	6		30
4,6-Dinitro-o-cresol	113		121		20-164	7		30
Pentachlorophenol	82		91		9-103	10		30
Phenol	37		39		12-110	5		30
2-Methylphenol	75		82		30-130	9		30
3-Methylphenol/4-Methylphenol	73		79		30-130	8		30
2,4,5-Trichlorophenol	95		102		30-130	7		30
Benzoic Acid	20		16		10-164	22		30
Benzyl Alcohol	73		79		26-116	8		30
Carbazole	94		100		55-144	6		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SENDERO VERDE

Project Number: 2984.0001Y000

Lab Number: L1816140

Report Date: 05/10/18

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

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 06 Batch: WG1113548-2 WG1113548-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	50		55		21-120
Phenol-d6	38		40		10-120
Nitrobenzene-d5	86		96		23-120
2-Fluorobiphenyl	89		97		15-120
2,4,6-Tribromophenol	95		104		10-120
4-Terphenyl-d14	101		108		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1816140
Report Date: 05/10/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 06 Batch: WG1113551-2 WG1113551-3								
Acenaphthene	71		70		40-140	1		40
2-Chloronaphthalene	67		69		40-140	3		40
Fluoranthene	79		80		40-140	1		40
Hexachlorobutadiene	69		66		40-140	4		40
Naphthalene	68		66		40-140	3		40
Benzo(a)anthracene	84		84		40-140	0		40
Benzo(a)pyrene	89		91		40-140	2		40
Benzo(b)fluoranthene	86		89		40-140	3		40
Benzo(k)fluoranthene	87		88		40-140	1		40
Chrysene	82		82		40-140	0		40
Acenaphthylene	72		75		40-140	4		40
Anthracene	77		79		40-140	3		40
Benzo(ghi)perylene	86		86		40-140	0		40
Fluorene	74		73		40-140	1		40
Phenanthrene	74		75		40-140	1		40
Dibenzo(a,h)anthracene	88		90		40-140	2		40
Indeno(1,2,3-cd)pyrene	90		92		40-140	2		40
Pyrene	89		79		40-140	12		40
2-Methylnaphthalene	70		70		40-140	0		40
Pentachlorophenol	82		80		40-140	2		40
Hexachlorobenzene	88		80		40-140	10		40
Hexachloroethane	65		61		40-140	6		40

Lab Control Sample Analysis

Batch Quality Control

Project Name: SENDERO VERDE

Project Number: 2984.0001Y000

Lab Number: L1816140

Report Date: 05/10/18

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

Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 06 Batch: WG1113551-2 WG1113551-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	42		37		21-120
Phenol-d6	30		27		10-120
Nitrobenzene-d5	72		66		23-120
2-Fluorobiphenyl	74		75		15-120
2,4,6-Tribromophenol	102		91		10-120
4-Terphenyl-d14	84		78		41-149

PCBS

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1816140
Report Date: 05/10/18

SAMPLE RESULTS

Lab ID: L1816140-01
Client ID: SB-11 (8-10)
Sample Location: EAST HARLEM, NY

Date Collected: 05/04/18 12:00
Date Received: 05/04/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 05/07/18 20:37
Analyst: WR
Percent Solids: 75%

Extraction Method: EPA 3546
Extraction Date: 05/07/18 09:35
Cleanup Method: EPA 3665A
Cleanup Date: 05/07/18
Cleanup Method: EPA 3660B
Cleanup Date: 05/07/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	42.2	4.78	1	A
Aroclor 1221	ND		ug/kg	42.2	6.42	1	A
Aroclor 1232	ND		ug/kg	42.2	4.15	1	A
Aroclor 1242	ND		ug/kg	42.2	5.16	1	A
Aroclor 1248	ND		ug/kg	42.2	4.73	1	A
Aroclor 1254	68.1		ug/kg	42.2	3.44	1	A
Aroclor 1260	ND		ug/kg	42.2	4.40	1	A
Aroclor 1262	ND		ug/kg	42.2	3.47	1	A
Aroclor 1268	ND		ug/kg	42.2	2.98	1	A
PCBs, Total	68.1		ug/kg	42.2	2.98	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	90		30-150	A
Decachlorobiphenyl	76		30-150	A
2,4,5,6-Tetrachloro-m-xylene	110		30-150	B
Decachlorobiphenyl	96		30-150	B

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1816140
Report Date: 05/10/18

SAMPLE RESULTS

Lab ID: L1816140-03
Client ID: SB-12 (17-19)
Sample Location: EAST HARLEM, NY

Date Collected: 05/04/18 13:30
Date Received: 05/04/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 05/07/18 20:49
Analyst: WR
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 05/07/18 09:35
Cleanup Method: EPA 3665A
Cleanup Date: 05/07/18
Cleanup Method: EPA 3660B
Cleanup Date: 05/07/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.4	4.25	1	A
Aroclor 1221	ND		ug/kg	37.4	5.70	1	A
Aroclor 1232	ND		ug/kg	37.4	3.68	1	A
Aroclor 1242	ND		ug/kg	37.4	4.58	1	A
Aroclor 1248	ND		ug/kg	37.4	4.20	1	A
Aroclor 1254	ND		ug/kg	37.4	3.06	1	A
Aroclor 1260	ND		ug/kg	37.4	3.91	1	A
Aroclor 1262	ND		ug/kg	37.4	3.08	1	A
Aroclor 1268	ND		ug/kg	37.4	2.65	1	A
PCBs, Total	ND		ug/kg	37.4	2.65	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	99		30-150	A
Decachlorobiphenyl	68		30-150	A
2,4,5,6-Tetrachloro-m-xylene	101		30-150	B
Decachlorobiphenyl	79		30-150	B

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1816140
Report Date: 05/10/18

SAMPLE RESULTS

Lab ID: L1816140-05
Client ID: SB-11 / GW
Sample Location: EAST HARLEM, NY

Date Collected: 05/04/18 13:00
Date Received: 05/04/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 05/08/18 04:41
Analyst: HT

Extraction Method: EPA 3510C
Extraction Date: 05/07/18 12:50
Cleanup Method: EPA 3665A
Cleanup Date: 05/07/18
Cleanup Method: EPA 3660B
Cleanup Date: 05/08/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.020	1	A
Aroclor 1221	ND		ug/l	0.083	0.032	1	A
Aroclor 1232	ND		ug/l	0.083	0.027	1	A
Aroclor 1242	ND		ug/l	0.083	0.030	1	A
Aroclor 1248	ND		ug/l	0.083	0.023	1	A
Aroclor 1254	ND		ug/l	0.083	0.035	1	A
Aroclor 1260	ND		ug/l	0.083	0.020	1	A
Aroclor 1262	ND		ug/l	0.083	0.017	1	A
Aroclor 1268	ND		ug/l	0.083	0.027	1	A
PCBs, Total	ND		ug/l	0.083	0.017	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	99		30-150	A
Decachlorobiphenyl	54		30-150	A
2,4,5,6-Tetrachloro-m-xylene	109		30-150	B
Decachlorobiphenyl	64		30-150	B

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1816140
Report Date: 05/10/18

SAMPLE RESULTS

Lab ID: L1816140-06
Client ID: SB-11 / GW FILTERED
Sample Location: EAST HARLEM, NY

Date Collected: 05/04/18 13:00
Date Received: 05/04/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 05/09/18 17:19
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 05/08/18 02:52
Cleanup Method: EPA 3665A
Cleanup Date: 05/08/18
Cleanup Method: EPA 3660B
Cleanup Date: 05/09/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.020	1	A
Aroclor 1221	ND		ug/l	0.083	0.032	1	A
Aroclor 1232	ND		ug/l	0.083	0.027	1	A
Aroclor 1242	ND		ug/l	0.083	0.030	1	A
Aroclor 1248	ND		ug/l	0.083	0.023	1	A
Aroclor 1254	ND		ug/l	0.083	0.035	1	A
Aroclor 1260	ND		ug/l	0.083	0.020	1	A
Aroclor 1262	ND		ug/l	0.083	0.017	1	A
Aroclor 1268	ND		ug/l	0.083	0.027	1	A
PCBs, Total	ND		ug/l	0.083	0.017	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	108		30-150	A
Decachlorobiphenyl	100		30-150	A
2,4,5,6-Tetrachloro-m-xylene	105		30-150	B
Decachlorobiphenyl	111		30-150	B

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1816140
Report Date: 05/10/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 05/07/18 21:02
Analyst: WR

Extraction Method: EPA 3546
Extraction Date: 05/07/18 09:35
Cleanup Method: EPA 3665A
Cleanup Date: 05/07/18
Cleanup Method: EPA 3660B
Cleanup Date: 05/07/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01,03 Batch: WG1113232-1						
Aroclor 1016	ND		ug/kg	32.4	3.67	A
Aroclor 1221	ND		ug/kg	32.4	4.92	A
Aroclor 1232	ND		ug/kg	32.4	3.18	A
Aroclor 1242	ND		ug/kg	32.4	3.96	A
Aroclor 1248	ND		ug/kg	32.4	3.63	A
Aroclor 1254	ND		ug/kg	32.4	2.64	A
Aroclor 1260	ND		ug/kg	32.4	3.38	A
Aroclor 1262	ND		ug/kg	32.4	2.66	A
Aroclor 1268	ND		ug/kg	32.4	2.29	A
PCBs, Total	ND		ug/kg	32.4	2.29	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	88		30-150	A
Decachlorobiphenyl	69		30-150	A
2,4,5,6-Tetrachloro-m-xylene	96		30-150	B
Decachlorobiphenyl	84		30-150	B

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1816140
Report Date: 05/10/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 05/08/18 03:26
Analyst: HT

Extraction Method: EPA 3510C
Extraction Date: 05/07/18 12:50
Cleanup Method: EPA 3665A
Cleanup Date: 05/07/18
Cleanup Method: EPA 3660B
Cleanup Date: 05/08/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 05-06 Batch: WG1113309-1						
Aroclor 1016	ND		ug/l	0.083	0.020	A
Aroclor 1221	ND		ug/l	0.083	0.032	A
Aroclor 1232	ND		ug/l	0.083	0.027	A
Aroclor 1242	ND		ug/l	0.083	0.030	A
Aroclor 1248	ND		ug/l	0.083	0.023	A
Aroclor 1254	ND		ug/l	0.083	0.035	A
Aroclor 1260	ND		ug/l	0.083	0.020	A
Aroclor 1262	ND		ug/l	0.083	0.017	A
Aroclor 1268	ND		ug/l	0.083	0.027	A
PCBs, Total	ND		ug/l	0.083	0.017	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	86		30-150	A
Decachlorobiphenyl	43		30-150	A
2,4,5,6-Tetrachloro-m-xylene	98		30-150	B
Decachlorobiphenyl	58		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: SENDERO VERDE

Project Number: 2984.0001Y000

Lab Number: L1816140

Report Date: 05/10/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01,03 Batch: WG1113232-2 WG1113232-3									
Aroclor 1016	96		95		40-140	1		50	A
Aroclor 1260	89		88		40-140	1		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	93		92		30-150	A
Decachlorobiphenyl	75		70		30-150	A
2,4,5,6-Tetrachloro-m-xylene	99		97		30-150	B
Decachlorobiphenyl	90		83		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: SENDERO VERDE

Project Number: 2984.0001Y000

Lab Number: L1816140

Report Date: 05/10/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 05-06 Batch: WG1113309-2 WG1113309-3									
Aroclor 1016	87		91		40-140	4		50	A
Aroclor 1260	56		60		40-140	6		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	93		92		30-150	A
Decachlorobiphenyl	42		46		30-150	A
2,4,5,6-Tetrachloro-m-xylene	100		99		30-150	B
Decachlorobiphenyl	67		70		30-150	B

PESTICIDES

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1816140
Report Date: 05/10/18

SAMPLE RESULTS

Lab ID: L1816140-01
Client ID: SB-11 (8-10)
Sample Location: EAST HARLEM, NY

Date Collected: 05/04/18 12:00
Date Received: 05/04/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 05/08/18 15:26
Analyst: SL
Percent Solids: 75%

Extraction Method: EPA 3546
Extraction Date: 05/07/18 08:36
Cleanup Method: EPA 3620B
Cleanup Date: 05/08/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	2.05	0.402	1	A
Lindane	ND		ug/kg	0.855	0.382	1	A
Alpha-BHC	ND		ug/kg	0.855	0.243	1	A
Beta-BHC	ND		ug/kg	2.05	0.778	1	A
Heptachlor	2.88		ug/kg	1.03	0.460	1	B
Aldrin	1.47	J	ug/kg	2.05	0.723	1	A
Heptachlor epoxide	2.22	JPI	ug/kg	3.85	1.15	1	B
Endrin	ND		ug/kg	0.855	0.351	1	A
Endrin aldehyde	ND		ug/kg	2.57	0.898	1	A
Endrin ketone	ND		ug/kg	2.05	0.529	1	A
Dieldrin	244	E	ug/kg	1.28	0.642	1	B
4,4'-DDE	349	E	ug/kg	2.05	0.475	1	B
4,4'-DDD	31.2		ug/kg	2.05	0.732	1	B
4,4'-DDT	1180	E	ug/kg	3.85	1.65	1	B
Endosulfan I	ND		ug/kg	2.05	0.485	1	A
Endosulfan II	2.99		ug/kg	2.05	0.686	1	A
Endosulfan sulfate	ND		ug/kg	0.855	0.407	1	A
Methoxychlor	ND		ug/kg	3.85	1.20	1	A
Toxaphene	ND		ug/kg	38.5	10.8	1	A
cis-Chlordane	221	E	ug/kg	2.57	0.715	1	A
trans-Chlordane	170		ug/kg	2.57	0.677	1	B
Chlordane	868		ug/kg	16.7	6.80	1	B

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1816140
Report Date: 05/10/18

SAMPLE RESULTS

Lab ID: L1816140-01
Client ID: SB-11 (8-10)
Sample Location: EAST HARLEM, NY
Date Collected: 05/04/18 12:00
Date Received: 05/04/18
Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	91		30-150	B
Decachlorobiphenyl	120		30-150	B
2,4,5,6-Tetrachloro-m-xylene	90		30-150	A
Decachlorobiphenyl	89		30-150	A

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1816140
Report Date: 05/10/18

SAMPLE RESULTS

Lab ID: L1816140-01 D2
Client ID: SB-11 (8-10)
Sample Location: EAST HARLEM, NY

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 05/10/18 17:49
Analyst: BM
Percent Solids: 75%

Date Collected: 05/04/18 12:00
Date Received: 05/04/18
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 05/07/18 08:36
Cleanup Method: EPA 3620B
Cleanup Date: 05/08/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
4,4'-DDT	1670		ug/kg	77.0	33.0	20	A

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1816140
Report Date: 05/10/18

SAMPLE RESULTS

Lab ID: L1816140-01 D
Client ID: SB-11 (8-10)
Sample Location: EAST HARLEM, NY

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 05/09/18 20:56
Analyst: KEG
Percent Solids: 75%

Date Collected: 05/04/18 12:00
Date Received: 05/04/18
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 05/07/18 08:36
Cleanup Method: EPA 3620B
Cleanup Date: 05/08/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Dieldrin	321		ug/kg	12.8	6.42	10	A
4,4'-DDE	471		ug/kg	20.5	4.75	10	A
4,4'-DDT	1810	E	ug/kg	38.5	16.5	10	A
cis-Chlordane	315	P	ug/kg	25.7	7.15	10	A

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1816140
Report Date: 05/10/18

SAMPLE RESULTS

Lab ID: L1816140-03
Client ID: SB-12 (17-19)
Sample Location: EAST HARLEM, NY

Date Collected: 05/04/18 13:30
Date Received: 05/04/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 05/08/18 15:39
Analyst: BM
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 05/07/18 08:36
Cleanup Method: EPA 3620B
Cleanup Date: 05/08/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.82	0.356	1	A
Lindane	ND		ug/kg	0.758	0.339	1	A
Alpha-BHC	ND		ug/kg	0.758	0.215	1	A
Beta-BHC	ND		ug/kg	1.82	0.690	1	A
Heptachlor	ND		ug/kg	0.910	0.408	1	A
Aldrin	ND		ug/kg	1.82	0.641	1	A
Heptachlor epoxide	ND		ug/kg	3.41	1.02	1	A
Endrin	ND		ug/kg	0.758	0.311	1	A
Endrin aldehyde	ND		ug/kg	2.27	0.796	1	A
Endrin ketone	ND		ug/kg	1.82	0.468	1	A
Dieldrin	ND		ug/kg	1.14	0.569	1	A
4,4'-DDE	ND		ug/kg	1.82	0.421	1	B
4,4'-DDD	ND		ug/kg	1.82	0.649	1	A
4,4'-DDT	ND		ug/kg	3.41	1.46	1	A
Endosulfan I	ND		ug/kg	1.82	0.430	1	A
Endosulfan II	ND		ug/kg	1.82	0.608	1	A
Endosulfan sulfate	ND		ug/kg	0.758	0.361	1	A
Methoxychlor	ND		ug/kg	3.41	1.06	1	A
Toxaphene	ND		ug/kg	34.1	9.55	1	A
cis-Chlordane	ND		ug/kg	2.27	0.634	1	A
trans-Chlordane	ND		ug/kg	2.27	0.600	1	A
Chlordane	ND		ug/kg	14.8	6.03	1	A

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1816140
Report Date: 05/10/18

SAMPLE RESULTS

Lab ID: L1816140-03
Client ID: SB-12 (17-19)
Sample Location: EAST HARLEM, NY
Date Collected: 05/04/18 13:30
Date Received: 05/04/18
Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	94		30-150	B
Decachlorobiphenyl	95		30-150	B
2,4,5,6-Tetrachloro-m-xylene	95		30-150	A
Decachlorobiphenyl	77		30-150	A

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1816140
Report Date: 05/10/18

SAMPLE RESULTS

Lab ID: L1816140-05
Client ID: SB-11 / GW
Sample Location: EAST HARLEM, NY

Date Collected: 05/04/18 13:00
Date Received: 05/04/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 05/09/18 20:30
Analyst: SL

Extraction Method: EPA 3510C
Extraction Date: 05/08/18 01:11
Cleanup Method: EPA 3620B
Cleanup Date: 05/09/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.014	0.003	1	A
Lindane	ND		ug/l	0.014	0.003	1	A
Alpha-BHC	ND		ug/l	0.014	0.003	1	A
Beta-BHC	ND		ug/l	0.014	0.004	1	A
Heptachlor	0.004	J	ug/l	0.014	0.002	1	B
Aldrin	ND		ug/l	0.014	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.014	0.003	1	A
Endrin	ND		ug/l	0.029	0.003	1	A
Endrin aldehyde	ND		ug/l	0.029	0.006	1	A
Endrin ketone	ND		ug/l	0.029	0.003	1	A
Dieldrin	0.021	J	ug/l	0.029	0.003	1	A
4,4'-DDE	0.107		ug/l	0.029	0.003	1	B
4,4'-DDD	0.011	J	ug/l	0.029	0.003	1	B
4,4'-DDT	0.409		ug/l	0.029	0.003	1	A
Endosulfan I	ND		ug/l	0.014	0.002	1	A
Endosulfan II	ND		ug/l	0.029	0.004	1	A
Endosulfan sulfate	ND		ug/l	0.029	0.003	1	A
Methoxychlor	ND		ug/l	0.143	0.005	1	A
Toxaphene	ND		ug/l	0.143	0.045	1	A
cis-Chlordane	0.066	P	ug/l	0.014	0.005	1	A
trans-Chlordane	0.061		ug/l	0.014	0.004	1	B
Chlordane	0.285		ug/l	0.143	0.033	1	B

Project Name: SENDERO VERDE
Lab Number: L1816140
Project Number: 2984.0001Y000
Report Date: 05/10/18

SAMPLE RESULTS

Lab ID: L1816140-05
Client ID: SB-11 / GW
Sample Location: EAST HARLEM, NY
Date Collected: 05/04/18 13:00
Date Received: 05/04/18
Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	93		30-150	A
Decachlorobiphenyl	79		30-150	A
2,4,5,6-Tetrachloro-m-xylene	85		30-150	B
Decachlorobiphenyl	80		30-150	B

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1816140
Report Date: 05/10/18

SAMPLE RESULTS

Lab ID: L1816140-06
Client ID: SB-11 / GW FILTERED
Sample Location: EAST HARLEM, NY

Date Collected: 05/04/18 13:00
Date Received: 05/04/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 05/09/18 20:43
Analyst: SL

Extraction Method: EPA 3510C
Extraction Date: 05/08/18 01:11
Cleanup Method: EPA 3620B
Cleanup Date: 05/09/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.014	0.003	1	A
Lindane	ND		ug/l	0.014	0.003	1	A
Alpha-BHC	ND		ug/l	0.014	0.003	1	A
Beta-BHC	ND		ug/l	0.014	0.004	1	A
Heptachlor	ND		ug/l	0.014	0.002	1	A
Aldrin	ND		ug/l	0.014	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.014	0.003	1	A
Endrin	ND		ug/l	0.029	0.003	1	A
Endrin aldehyde	ND		ug/l	0.029	0.006	1	A
Endrin ketone	ND		ug/l	0.029	0.003	1	A
Dieldrin	ND		ug/l	0.029	0.003	1	A
4,4'-DDE	ND		ug/l	0.029	0.003	1	A
4,4'-DDD	ND		ug/l	0.029	0.003	1	A
4,4'-DDT	0.021	J	ug/l	0.029	0.003	1	A
Endosulfan I	ND		ug/l	0.014	0.002	1	A
Endosulfan II	ND		ug/l	0.029	0.004	1	A
Endosulfan sulfate	ND		ug/l	0.029	0.003	1	A
Methoxychlor	ND		ug/l	0.143	0.005	1	A
Toxaphene	ND		ug/l	0.143	0.045	1	A
cis-Chlordane	ND		ug/l	0.014	0.005	1	A
trans-Chlordane	ND		ug/l	0.014	0.004	1	A
Chlordane	ND		ug/l	0.143	0.033	1	A

Project Name: SENDERO VERDE
Lab Number: L1816140
Project Number: 2984.0001Y000
Report Date: 05/10/18

SAMPLE RESULTS

Lab ID: L1816140-06
Client ID: SB-11 / GW FILTERED
Sample Location: EAST HARLEM, NY
Date Collected: 05/04/18 13:00
Date Received: 05/04/18
Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	89		30-150	A
Decachlorobiphenyl	85		30-150	A
2,4,5,6-Tetrachloro-m-xylene	81		30-150	B
Decachlorobiphenyl	88		30-150	B

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1816140
Report Date: 05/10/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 05/08/18 14:48
Analyst: KEG

Extraction Method: EPA 3546
Extraction Date: 05/07/18 08:36
Cleanup Method: EPA 3620B
Cleanup Date: 05/08/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01,03 Batch: WG1113211-1						
Delta-BHC	ND		ug/kg	1.56	0.305	A
Lindane	ND		ug/kg	0.648	0.290	A
Alpha-BHC	ND		ug/kg	0.648	0.184	A
Beta-BHC	ND		ug/kg	1.56	0.590	A
Heptachlor	ND		ug/kg	0.778	0.349	A
Aldrin	ND		ug/kg	1.56	0.548	A
Heptachlor epoxide	ND		ug/kg	2.92	0.875	A
Endrin	ND		ug/kg	0.648	0.266	A
Endrin aldehyde	ND		ug/kg	1.94	0.681	A
Endrin ketone	ND		ug/kg	1.56	0.401	A
Dieldrin	ND		ug/kg	0.973	0.486	A
4,4'-DDE	ND		ug/kg	1.56	0.360	A
4,4'-DDD	ND		ug/kg	1.56	0.555	A
4,4'-DDT	ND		ug/kg	2.92	1.25	A
Endosulfan I	ND		ug/kg	1.56	0.368	A
Endosulfan II	ND		ug/kg	1.56	0.520	A
Endosulfan sulfate	ND		ug/kg	0.648	0.309	A
Methoxychlor	ND		ug/kg	2.92	0.908	A
Toxaphene	ND		ug/kg	29.2	8.17	A
cis-Chlordane	ND		ug/kg	1.94	0.542	A
trans-Chlordane	ND		ug/kg	1.94	0.514	A
Chlordane	ND		ug/kg	12.6	5.16	A

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1816140
Report Date: 05/10/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 05/08/18 14:48
Analyst: KEG

Extraction Method: EPA 3546
Extraction Date: 05/07/18 08:36
Cleanup Method: EPA 3620B
Cleanup Date: 05/08/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01,03 Batch: WG1113211-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	88		30-150	B
Decachlorobiphenyl	96		30-150	B
2,4,5,6-Tetrachloro-m-xylene	87		30-150	A
Decachlorobiphenyl	88		30-150	A

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1816140
Report Date: 05/10/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 05/09/18 19:14
Analyst: JW

Extraction Method: EPA 3510C
Extraction Date: 05/08/18 01:11
Cleanup Method: EPA 3620B
Cleanup Date: 05/09/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 05-06 Batch: WG1113478-1						
Delta-BHC	ND		ug/l	0.014	0.003	A
Lindane	ND		ug/l	0.014	0.003	A
Alpha-BHC	ND		ug/l	0.014	0.003	A
Beta-BHC	ND		ug/l	0.014	0.004	A
Heptachlor	ND		ug/l	0.014	0.002	A
Aldrin	ND		ug/l	0.014	0.002	A
Heptachlor epoxide	ND		ug/l	0.014	0.003	A
Endrin	ND		ug/l	0.029	0.003	A
Endrin aldehyde	ND		ug/l	0.029	0.006	A
Endrin ketone	ND		ug/l	0.029	0.003	A
Dieldrin	ND		ug/l	0.029	0.003	A
4,4'-DDE	ND		ug/l	0.029	0.003	A
4,4'-DDD	ND		ug/l	0.029	0.003	A
4,4'-DDT	ND		ug/l	0.029	0.003	A
Endosulfan I	ND		ug/l	0.014	0.002	A
Endosulfan II	ND		ug/l	0.029	0.004	A
Endosulfan sulfate	ND		ug/l	0.029	0.003	A
Methoxychlor	ND		ug/l	0.143	0.005	A
Toxaphene	ND		ug/l	0.143	0.045	A
cis-Chlordane	ND		ug/l	0.014	0.005	A
trans-Chlordane	ND		ug/l	0.014	0.004	A
Chlordane	ND		ug/l	0.143	0.033	A

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1816140
Report Date: 05/10/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 05/09/18 19:14
Analyst: JW

Extraction Method: EPA 3510C
Extraction Date: 05/08/18 01:11
Cleanup Method: EPA 3620B
Cleanup Date: 05/09/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 05-06 Batch: WG1113478-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	91		30-150	A
Decachlorobiphenyl	94		30-150	A
2,4,5,6-Tetrachloro-m-xylene	82		30-150	B
Decachlorobiphenyl	92		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: SENDERO VERDE

Project Number: 2984.0001Y000

Lab Number: L1816140

Report Date: 05/10/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01,03 Batch: WG1113211-2 WG1113211-3									
Delta-BHC	113		110		30-150	3		30	A
Lindane	109		106		30-150	3		30	A
Alpha-BHC	98		94		30-150	4		30	A
Beta-BHC	100		98		30-150	2		30	A
Heptachlor	113		111		30-150	2		30	A
Aldrin	113		110		30-150	3		30	A
Heptachlor epoxide	105		104		30-150	1		30	A
Endrin	112		114		30-150	2		30	A
Endrin aldehyde	69		75		30-150	8		30	A
Endrin ketone	86		94		30-150	9		30	A
Dieldrin	118		119		30-150	1		30	A
4,4'-DDE	113		115		30-150	2		30	A
4,4'-DDD	111		114		30-150	3		30	A
4,4'-DDT	112		118		30-150	5		30	A
Endosulfan I	107		107		30-150	0		30	A
Endosulfan II	97		101		30-150	4		30	A
Endosulfan sulfate	74		84		30-150	13		30	A
Methoxychlor	99		110		30-150	11		30	A
cis-Chlordane	99		100		30-150	1		30	A
trans-Chlordane	101		88		30-150	14		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: SENDERO VERDE

Project Number: 2984.0001Y000

Lab Number: L1816140

Report Date: 05/10/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01,03 Batch: WG1113211-2 WG1113211-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	95		90		30-150	B
Decachlorobiphenyl	98		107		30-150	B
2,4,5,6-Tetrachloro-m-xylene	95		92		30-150	A
Decachlorobiphenyl	91		106		30-150	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: SENDERO VERDE

Project Number: 2984.0001Y000

Lab Number: L1816140

Report Date: 05/10/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 05-06 Batch: WG1113478-2 WG1113478-3									
Delta-BHC	112		115		30-150	3		20	A
Lindane	101		101		30-150	0		20	A
Alpha-BHC	88		89		30-150	1		20	A
Beta-BHC	95		94		30-150	0		20	A
Heptachlor	97		98		30-150	1		20	A
Aldrin	99		99		30-150	1		20	A
Heptachlor epoxide	101		101		30-150	0		20	A
Endrin	108		109		30-150	1		20	A
Endrin aldehyde	94		97		30-150	3		20	A
Endrin ketone	110		113		30-150	3		20	A
Dieldrin	112		113		30-150	1		20	A
4,4'-DDE	108		109		30-150	1		20	A
4,4'-DDD	110		113		30-150	3		20	A
4,4'-DDT	110		110		30-150	0		20	A
Endosulfan I	106		106		30-150	0		20	A
Endosulfan II	102		105		30-150	3		20	A
Endosulfan sulfate	110		115		30-150	4		20	A
Methoxychlor	111		113		30-150	2		20	A
cis-Chlordane	96		96		30-150	0		20	A
trans-Chlordane	99		101		30-150	2		20	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: SENDERO VERDE

Project Number: 2984.0001Y000

Lab Number: L1816140

Report Date: 05/10/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 05-06 Batch: WG1113478-2 WG1113478-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		87		30-150	A
Decachlorobiphenyl	93		95		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		81		30-150	B
Decachlorobiphenyl	93		92		30-150	B

METALS

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1816140
Report Date: 05/10/18

SAMPLE RESULTS

Lab ID: L1816140-01
Client ID: SB-11 (8-10)
Sample Location: EAST HARLEM, NY
Date Collected: 05/04/18 12:00
Date Received: 05/04/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 75%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	8270		mg/kg	10.1	2.73	2	05/08/18 05:50	05/08/18 12:17	EPA 3050B	1,6010C	LC
Antimony, Total	1.08	J	mg/kg	5.06	0.384	2	05/08/18 05:50	05/08/18 12:17	EPA 3050B	1,6010C	LC
Arsenic, Total	29.5		mg/kg	1.01	0.210	2	05/08/18 05:50	05/08/18 12:17	EPA 3050B	1,6010C	LC
Barium, Total	452		mg/kg	1.01	0.176	2	05/08/18 05:50	05/08/18 12:17	EPA 3050B	1,6010C	LC
Beryllium, Total	0.354	J	mg/kg	0.506	0.033	2	05/08/18 05:50	05/08/18 12:17	EPA 3050B	1,6010C	LC
Cadmium, Total	2.15		mg/kg	1.01	0.099	2	05/08/18 05:50	05/08/18 12:17	EPA 3050B	1,6010C	LC
Calcium, Total	38600		mg/kg	10.1	3.54	2	05/08/18 05:50	05/08/18 12:17	EPA 3050B	1,6010C	LC
Chromium, Total	15.0		mg/kg	1.01	0.097	2	05/08/18 05:50	05/08/18 12:17	EPA 3050B	1,6010C	LC
Cobalt, Total	8.91		mg/kg	2.02	0.168	2	05/08/18 05:50	05/08/18 12:17	EPA 3050B	1,6010C	LC
Copper, Total	50.3		mg/kg	1.01	0.261	2	05/08/18 05:50	05/08/18 12:17	EPA 3050B	1,6010C	LC
Iron, Total	25400		mg/kg	5.06	0.913	2	05/08/18 05:50	05/08/18 12:17	EPA 3050B	1,6010C	LC
Lead, Total	250		mg/kg	5.06	0.271	2	05/08/18 05:50	05/08/18 12:17	EPA 3050B	1,6010C	LC
Magnesium, Total	8450		mg/kg	10.1	1.56	2	05/08/18 05:50	05/08/18 12:17	EPA 3050B	1,6010C	LC
Manganese, Total	467		mg/kg	1.01	0.161	2	05/08/18 05:50	05/08/18 12:17	EPA 3050B	1,6010C	LC
Mercury, Total	0.244		mg/kg	0.084	0.018	1	05/08/18 07:20	05/08/18 13:14	EPA 7471B	1,7471B	MG
Nickel, Total	22.0		mg/kg	2.53	0.245	2	05/08/18 05:50	05/08/18 12:17	EPA 3050B	1,6010C	LC
Potassium, Total	1100		mg/kg	253	14.6	2	05/08/18 05:50	05/08/18 12:17	EPA 3050B	1,6010C	LC
Selenium, Total	0.870	J	mg/kg	2.02	0.261	2	05/08/18 05:50	05/08/18 12:17	EPA 3050B	1,6010C	LC
Silver, Total	ND		mg/kg	1.01	0.286	2	05/08/18 05:50	05/08/18 12:17	EPA 3050B	1,6010C	LC
Sodium, Total	612		mg/kg	202	3.18	2	05/08/18 05:50	05/08/18 12:17	EPA 3050B	1,6010C	LC
Thallium, Total	ND		mg/kg	2.02	0.318	2	05/08/18 05:50	05/08/18 12:17	EPA 3050B	1,6010C	LC
Vanadium, Total	23.9		mg/kg	1.01	0.205	2	05/08/18 05:50	05/08/18 12:17	EPA 3050B	1,6010C	LC
Zinc, Total	777		mg/kg	5.06	0.296	2	05/08/18 05:50	05/08/18 12:17	EPA 3050B	1,6010C	LC

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1816140
Report Date: 05/10/18

SAMPLE RESULTS

Lab ID: L1816140-03
Client ID: SB-12 (17-19)
Sample Location: EAST HARLEM, NY
Date Collected: 05/04/18 13:30
Date Received: 05/04/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	2700		mg/kg	8.96	2.42	2	05/08/18 05:50	05/08/18 12:22	EPA 3050B	1,6010C	LC
Antimony, Total	ND		mg/kg	4.48	0.341	2	05/08/18 05:50	05/08/18 12:22	EPA 3050B	1,6010C	LC
Arsenic, Total	1.16		mg/kg	0.896	0.186	2	05/08/18 05:50	05/08/18 12:22	EPA 3050B	1,6010C	LC
Barium, Total	27.3		mg/kg	0.896	0.156	2	05/08/18 05:50	05/08/18 12:22	EPA 3050B	1,6010C	LC
Beryllium, Total	0.170	J	mg/kg	0.448	0.030	2	05/08/18 05:50	05/08/18 12:22	EPA 3050B	1,6010C	LC
Cadmium, Total	0.116	J	mg/kg	0.896	0.088	2	05/08/18 05:50	05/08/18 12:22	EPA 3050B	1,6010C	LC
Calcium, Total	453		mg/kg	8.96	3.14	2	05/08/18 05:50	05/08/18 12:22	EPA 3050B	1,6010C	LC
Chromium, Total	8.73		mg/kg	0.896	0.086	2	05/08/18 05:50	05/08/18 12:22	EPA 3050B	1,6010C	LC
Cobalt, Total	2.44		mg/kg	1.79	0.149	2	05/08/18 05:50	05/08/18 12:22	EPA 3050B	1,6010C	LC
Copper, Total	10.5		mg/kg	0.896	0.231	2	05/08/18 05:50	05/08/18 12:22	EPA 3050B	1,6010C	LC
Iron, Total	5810		mg/kg	4.48	0.810	2	05/08/18 05:50	05/08/18 12:22	EPA 3050B	1,6010C	LC
Lead, Total	2.23	J	mg/kg	4.48	0.240	2	05/08/18 05:50	05/08/18 12:22	EPA 3050B	1,6010C	LC
Magnesium, Total	1040		mg/kg	8.96	1.38	2	05/08/18 05:50	05/08/18 12:22	EPA 3050B	1,6010C	LC
Manganese, Total	262		mg/kg	0.896	0.142	2	05/08/18 05:50	05/08/18 12:22	EPA 3050B	1,6010C	LC
Mercury, Total	ND		mg/kg	0.072	0.015	1	05/08/18 07:20	05/08/18 13:15	EPA 7471B	1,7471B	MG
Nickel, Total	6.47		mg/kg	2.24	0.217	2	05/08/18 05:50	05/08/18 12:22	EPA 3050B	1,6010C	LC
Potassium, Total	378		mg/kg	224	12.9	2	05/08/18 05:50	05/08/18 12:22	EPA 3050B	1,6010C	LC
Selenium, Total	ND		mg/kg	1.79	0.231	2	05/08/18 05:50	05/08/18 12:22	EPA 3050B	1,6010C	LC
Silver, Total	ND		mg/kg	0.896	0.254	2	05/08/18 05:50	05/08/18 12:22	EPA 3050B	1,6010C	LC
Sodium, Total	63.0	J	mg/kg	179	2.82	2	05/08/18 05:50	05/08/18 12:22	EPA 3050B	1,6010C	LC
Thallium, Total	ND		mg/kg	1.79	0.282	2	05/08/18 05:50	05/08/18 12:22	EPA 3050B	1,6010C	LC
Vanadium, Total	9.00		mg/kg	0.896	0.182	2	05/08/18 05:50	05/08/18 12:22	EPA 3050B	1,6010C	LC
Zinc, Total	8.40		mg/kg	4.48	0.263	2	05/08/18 05:50	05/08/18 12:22	EPA 3050B	1,6010C	LC

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1816140
Report Date: 05/10/18

SAMPLE RESULTS

Lab ID: L1816140-05
Client ID: SB-11 / GW
Sample Location: EAST HARLEM, NY
Date Collected: 05/04/18 13:00
Date Received: 05/04/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	2.44		mg/l	0.0100	0.00327	1	05/07/18 14:30	05/08/18 10:36	EPA 3005A	1,6020A	AM
Antimony, Total	0.00220	J	mg/l	0.00400	0.00042	1	05/07/18 14:30	05/08/18 10:36	EPA 3005A	1,6020A	AM
Arsenic, Total	0.00569		mg/l	0.00050	0.00016	1	05/07/18 14:30	05/08/18 10:36	EPA 3005A	1,6020A	AM
Barium, Total	0.7390		mg/l	0.00050	0.00017	1	05/07/18 14:30	05/08/18 10:36	EPA 3005A	1,6020A	AM
Beryllium, Total	0.00024	J	mg/l	0.00050	0.00010	1	05/07/18 14:30	05/08/18 10:36	EPA 3005A	1,6020A	AM
Cadmium, Total	0.00042		mg/l	0.00020	0.00005	1	05/07/18 14:30	05/08/18 10:36	EPA 3005A	1,6020A	AM
Calcium, Total	51.0		mg/l	0.100	0.0394	1	05/07/18 14:30	05/08/18 10:36	EPA 3005A	1,6020A	AM
Chromium, Total	0.01417		mg/l	0.00100	0.00017	1	05/07/18 14:30	05/08/18 10:36	EPA 3005A	1,6020A	AM
Cobalt, Total	0.00390		mg/l	0.00050	0.00016	1	05/07/18 14:30	05/08/18 10:36	EPA 3005A	1,6020A	AM
Copper, Total	0.01590		mg/l	0.00100	0.00038	1	05/07/18 14:30	05/08/18 10:36	EPA 3005A	1,6020A	AM
Iron, Total	4.22		mg/l	0.0500	0.0191	1	05/07/18 14:30	05/08/18 10:36	EPA 3005A	1,6020A	AM
Lead, Total	0.1612		mg/l	0.00100	0.00034	1	05/07/18 14:30	05/08/18 10:36	EPA 3005A	1,6020A	AM
Magnesium, Total	10.6		mg/l	0.0700	0.0242	1	05/07/18 14:30	05/08/18 10:36	EPA 3005A	1,6020A	AM
Manganese, Total	0.4794		mg/l	0.00100	0.00044	1	05/07/18 14:30	05/08/18 10:36	EPA 3005A	1,6020A	AM
Mercury, Total	ND		mg/l	0.00020	0.00006	1	05/07/18 10:58	05/07/18 15:15	EPA 7470A	1,7470A	MG
Nickel, Total	0.00738		mg/l	0.00200	0.00055	1	05/07/18 14:30	05/08/18 10:36	EPA 3005A	1,6020A	AM
Potassium, Total	3.84		mg/l	0.100	0.0309	1	05/07/18 14:30	05/08/18 10:36	EPA 3005A	1,6020A	AM
Selenium, Total	0.00576		mg/l	0.00500	0.00173	1	05/07/18 14:30	05/08/18 10:36	EPA 3005A	1,6020A	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	05/07/18 14:30	05/08/18 10:36	EPA 3005A	1,6020A	AM
Sodium, Total	18.8		mg/l	0.100	0.0293	1	05/07/18 14:30	05/08/18 10:36	EPA 3005A	1,6020A	AM
Thallium, Total	0.00039	J	mg/l	0.00050	0.00014	1	05/07/18 14:30	05/08/18 10:36	EPA 3005A	1,6020A	AM
Vanadium, Total	0.00932		mg/l	0.00500	0.00157	1	05/07/18 14:30	05/08/18 10:36	EPA 3005A	1,6020A	AM
Zinc, Total	0.3354		mg/l	0.01000	0.00341	1	05/07/18 14:30	05/08/18 10:36	EPA 3005A	1,6020A	AM

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1816140
Report Date: 05/10/18

SAMPLE RESULTS

Lab ID: L1816140-06
Client ID: SB-11 / GW FILTERED
Sample Location: EAST HARLEM, NY
Date Collected: 05/04/18 13:00
Date Received: 05/04/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	0.0160		mg/l	0.0100	0.00327	1	05/09/18 07:50	05/09/18 12:38	EPA 3005A	1,6020A	AM
Antimony, Dissolved	0.00127	J	mg/l	0.00400	0.00042	1	05/09/18 07:50	05/09/18 12:38	EPA 3005A	1,6020A	AM
Arsenic, Dissolved	0.00093		mg/l	0.00050	0.00016	1	05/09/18 07:50	05/09/18 12:38	EPA 3005A	1,6020A	AM
Barium, Dissolved	0.05482		mg/l	0.00050	0.00017	1	05/09/18 07:50	05/09/18 12:38	EPA 3005A	1,6020A	AM
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	05/09/18 07:50	05/09/18 12:38	EPA 3005A	1,6020A	AM
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	05/09/18 07:50	05/09/18 12:38	EPA 3005A	1,6020A	AM
Calcium, Dissolved	33.8		mg/l	0.100	0.0394	1	05/09/18 07:50	05/09/18 12:38	EPA 3005A	1,6020A	AM
Chromium, Dissolved	0.00424		mg/l	0.00100	0.00017	1	05/09/18 07:50	05/09/18 12:38	EPA 3005A	1,6020A	AM
Cobalt, Dissolved	ND		mg/l	0.00050	0.00016	1	05/09/18 07:50	05/09/18 12:38	EPA 3005A	1,6020A	AM
Copper, Dissolved	0.00095	J	mg/l	0.00100	0.00038	1	05/09/18 07:50	05/09/18 12:38	EPA 3005A	1,6020A	AM
Iron, Dissolved	ND		mg/l	0.0500	0.0191	1	05/09/18 07:50	05/09/18 12:38	EPA 3005A	1,6020A	AM
Lead, Dissolved	0.00037	J	mg/l	0.00100	0.00034	1	05/09/18 07:50	05/09/18 12:38	EPA 3005A	1,6020A	AM
Magnesium, Dissolved	8.21		mg/l	0.0700	0.0242	1	05/09/18 07:50	05/09/18 12:38	EPA 3005A	1,6020A	AM
Manganese, Dissolved	0.01798		mg/l	0.00100	0.00044	1	05/09/18 07:50	05/09/18 12:38	EPA 3005A	1,6020A	AM
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	05/08/18 13:58	05/08/18 16:36	EPA 7470A	1,7470A	MG
Nickel, Dissolved	ND		mg/l	0.00200	0.00055	1	05/09/18 07:50	05/09/18 12:38	EPA 3005A	1,6020A	AM
Potassium, Dissolved	3.36		mg/l	0.100	0.0309	1	05/09/18 07:50	05/09/18 12:38	EPA 3005A	1,6020A	AM
Selenium, Dissolved	0.00533		mg/l	0.00500	0.00173	1	05/09/18 07:50	05/09/18 12:38	EPA 3005A	1,6020A	AM
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	05/09/18 07:50	05/09/18 12:38	EPA 3005A	1,6020A	AM
Sodium, Dissolved	19.5		mg/l	0.100	0.0293	1	05/09/18 07:50	05/09/18 12:38	EPA 3005A	1,6020A	AM
Thallium, Dissolved	ND		mg/l	0.00050	0.00014	1	05/09/18 07:50	05/09/18 12:38	EPA 3005A	1,6020A	AM
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	05/09/18 07:50	05/09/18 12:38	EPA 3005A	1,6020A	AM
Zinc, Dissolved	0.00398	J	mg/l	0.01000	0.00341	1	05/09/18 07:50	05/09/18 12:38	EPA 3005A	1,6020A	AM

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1816140
Report Date: 05/10/18

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 05 Batch: WG1113260-1										
Mercury, Total	ND		mg/l	0.00020	0.00006	1	05/07/18 10:58	05/07/18 14:55	1,7470A	MG

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 05 Batch: WG1113332-1										
Aluminum, Total	ND		mg/l	0.0100	0.00327	1	05/07/18 14:30	05/08/18 09:12	1,6020A	AM
Antimony, Total	0.00107	J	mg/l	0.00400	0.00042	1	05/07/18 14:30	05/08/18 09:12	1,6020A	AM
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	05/07/18 14:30	05/08/18 09:12	1,6020A	AM
Barium, Total	ND		mg/l	0.00050	0.00017	1	05/07/18 14:30	05/08/18 09:12	1,6020A	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	05/07/18 14:30	05/08/18 09:12	1,6020A	AM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	05/07/18 14:30	05/08/18 09:12	1,6020A	AM
Calcium, Total	ND		mg/l	0.100	0.0394	1	05/07/18 14:30	05/08/18 09:12	1,6020A	AM
Chromium, Total	ND		mg/l	0.00100	0.00017	1	05/07/18 14:30	05/08/18 09:12	1,6020A	AM
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	05/07/18 14:30	05/08/18 09:12	1,6020A	AM
Copper, Total	ND		mg/l	0.00100	0.00038	1	05/07/18 14:30	05/08/18 09:12	1,6020A	AM
Iron, Total	ND		mg/l	0.0500	0.0191	1	05/07/18 14:30	05/08/18 09:12	1,6020A	AM
Lead, Total	ND		mg/l	0.00100	0.00034	1	05/07/18 14:30	05/08/18 09:12	1,6020A	AM
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	05/07/18 14:30	05/08/18 09:12	1,6020A	AM
Manganese, Total	ND		mg/l	0.00100	0.00044	1	05/07/18 14:30	05/08/18 09:12	1,6020A	AM
Nickel, Total	ND		mg/l	0.00200	0.00055	1	05/07/18 14:30	05/08/18 09:12	1,6020A	AM
Potassium, Total	ND		mg/l	0.100	0.0309	1	05/07/18 14:30	05/08/18 09:12	1,6020A	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	05/07/18 14:30	05/08/18 09:12	1,6020A	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	05/07/18 14:30	05/08/18 09:12	1,6020A	AM
Sodium, Total	ND		mg/l	0.100	0.0293	1	05/07/18 14:30	05/08/18 09:12	1,6020A	AM
Thallium, Total	ND		mg/l	0.00050	0.00014	1	05/07/18 14:30	05/08/18 09:12	1,6020A	AM
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	05/07/18 14:30	05/08/18 09:12	1,6020A	AM
Zinc, Total	ND		mg/l	0.01000	0.00341	1	05/07/18 14:30	05/08/18 09:12	1,6020A	AM

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1816140
Report Date: 05/10/18

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01,03 Batch: WG1113498-1										
Mercury, Total	ND		mg/kg	0.083	0.018	1	05/08/18 07:20	05/08/18 11:32	1,7471B	MG

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01,03 Batch: WG1113513-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	05/08/18 05:50	05/08/18 09:33	1,6010C	LC
Antimony, Total	ND		mg/kg	2.00	0.152	1	05/08/18 05:50	05/08/18 09:33	1,6010C	LC
Arsenic, Total	ND		mg/kg	0.400	0.083	1	05/08/18 05:50	05/08/18 09:33	1,6010C	LC
Barium, Total	ND		mg/kg	0.400	0.070	1	05/08/18 05:50	05/08/18 09:33	1,6010C	LC
Beryllium, Total	ND		mg/kg	0.200	0.013	1	05/08/18 05:50	05/08/18 09:33	1,6010C	LC
Cadmium, Total	ND		mg/kg	0.400	0.039	1	05/08/18 05:50	05/08/18 09:33	1,6010C	LC
Calcium, Total	ND		mg/kg	4.00	1.40	1	05/08/18 05:50	05/08/18 09:33	1,6010C	LC
Chromium, Total	ND		mg/kg	0.400	0.038	1	05/08/18 05:50	05/08/18 09:33	1,6010C	LC
Cobalt, Total	ND		mg/kg	0.800	0.066	1	05/08/18 05:50	05/08/18 09:33	1,6010C	LC
Copper, Total	ND		mg/kg	0.400	0.103	1	05/08/18 05:50	05/08/18 09:33	1,6010C	LC
Iron, Total	ND		mg/kg	2.00	0.361	1	05/08/18 05:50	05/08/18 09:33	1,6010C	LC
Lead, Total	ND		mg/kg	2.00	0.107	1	05/08/18 05:50	05/08/18 09:33	1,6010C	LC
Magnesium, Total	ND		mg/kg	4.00	0.616	1	05/08/18 05:50	05/08/18 09:33	1,6010C	LC
Manganese, Total	ND		mg/kg	0.400	0.064	1	05/08/18 05:50	05/08/18 09:33	1,6010C	LC
Nickel, Total	ND		mg/kg	1.00	0.097	1	05/08/18 05:50	05/08/18 09:33	1,6010C	LC
Potassium, Total	ND		mg/kg	100	5.76	1	05/08/18 05:50	05/08/18 09:33	1,6010C	LC
Selenium, Total	ND		mg/kg	0.800	0.103	1	05/08/18 05:50	05/08/18 09:33	1,6010C	LC
Silver, Total	ND		mg/kg	0.400	0.113	1	05/08/18 05:50	05/08/18 09:33	1,6010C	LC
Sodium, Total	1.39	J	mg/kg	80.0	1.26	1	05/08/18 05:50	05/08/18 09:33	1,6010C	LC
Thallium, Total	ND		mg/kg	0.800	0.126	1	05/08/18 05:50	05/08/18 09:33	1,6010C	LC
Vanadium, Total	ND		mg/kg	0.400	0.081	1	05/08/18 05:50	05/08/18 09:33	1,6010C	LC

Project Name: SENDERO VERDE **Lab Number:** L1816140

Project Number: 2984.0001Y000 **Report Date:** 05/10/18

Method Blank Analysis
Batch Quality Control

Zinc, Total	ND		mg/kg	2.00	0.117	1	05/08/18 05:50	05/08/18 09:33	1,6010C	LC

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab for sample(s): 06 Batch: WG1113713-1										
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	05/08/18 13:58	05/08/18 16:23	1,7470A	MG

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab for sample(s): 06 Batch: WG1113990-1										
Aluminum, Dissolved	ND		mg/l	0.0100	0.00327	1	05/09/18 07:50	05/09/18 11:23	1,6020A	AM
Antimony, Dissolved	0.00058	J	mg/l	0.00400	0.00042	1	05/09/18 07:50	05/09/18 11:23	1,6020A	AM
Arsenic, Dissolved	ND		mg/l	0.00050	0.00016	1	05/09/18 07:50	05/09/18 11:23	1,6020A	AM
Barium, Dissolved	ND		mg/l	0.00050	0.00017	1	05/09/18 07:50	05/09/18 11:23	1,6020A	AM
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	05/09/18 07:50	05/09/18 11:23	1,6020A	AM
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	05/09/18 07:50	05/09/18 11:23	1,6020A	AM
Calcium, Dissolved	ND		mg/l	0.100	0.0394	1	05/09/18 07:50	05/09/18 11:23	1,6020A	AM
Chromium, Dissolved	ND		mg/l	0.00100	0.00017	1	05/09/18 07:50	05/09/18 11:23	1,6020A	AM
Cobalt, Dissolved	ND		mg/l	0.00050	0.00016	1	05/09/18 07:50	05/09/18 11:23	1,6020A	AM
Copper, Dissolved	ND		mg/l	0.00100	0.00038	1	05/09/18 07:50	05/09/18 11:23	1,6020A	AM
Iron, Dissolved	ND		mg/l	0.0500	0.0191	1	05/09/18 07:50	05/09/18 11:23	1,6020A	AM
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	05/09/18 07:50	05/09/18 11:23	1,6020A	AM
Magnesium, Dissolved	ND		mg/l	0.0700	0.0242	1	05/09/18 07:50	05/09/18 11:23	1,6020A	AM
Manganese, Dissolved	ND		mg/l	0.00100	0.00044	1	05/09/18 07:50	05/09/18 11:23	1,6020A	AM
Nickel, Dissolved	ND		mg/l	0.00200	0.00055	1	05/09/18 07:50	05/09/18 11:23	1,6020A	AM
Potassium, Dissolved	ND		mg/l	0.100	0.0309	1	05/09/18 07:50	05/09/18 11:23	1,6020A	AM
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	05/09/18 07:50	05/09/18 11:23	1,6020A	AM
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	05/09/18 07:50	05/09/18 11:23	1,6020A	AM
Sodium, Dissolved	ND		mg/l	0.100	0.0293	1	05/09/18 07:50	05/09/18 11:23	1,6020A	AM

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1816140
Report Date: 05/10/18

Method Blank Analysis
Batch Quality Control

Thallium, Dissolved	ND	mg/l	0.00050	0.00014	1	05/09/18 07:50	05/09/18 11:23	1,6020A	AM
Vanadium, Dissolved	ND	mg/l	0.00500	0.00157	1	05/09/18 07:50	05/09/18 11:23	1,6020A	AM
Zinc, Dissolved	ND	mg/l	0.01000	0.00341	1	05/09/18 07:50	05/09/18 11:23	1,6020A	AM

Prep Information

Digestion Method: EPA 3005A

Lab Control Sample Analysis

Batch Quality Control

Project Name: SENDERO VERDE

Project Number: 2984.0001Y000

Lab Number: L1816140

Report Date: 05/10/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 05 Batch: WG1113260-2								
Mercury, Total	92		-		80-120	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: SENDERO VERDE

Project Number: 2984.0001Y000

Lab Number: L1816140

Report Date: 05/10/18

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 05 Batch: WG1113332-2					
Aluminum, Total	109	-	80-120	-	
Antimony, Total	107	-	80-120	-	
Arsenic, Total	111	-	80-120	-	
Barium, Total	105	-	80-120	-	
Beryllium, Total	106	-	80-120	-	
Cadmium, Total	115	-	80-120	-	
Calcium, Total	105	-	80-120	-	
Chromium, Total	102	-	80-120	-	
Cobalt, Total	104	-	80-120	-	
Copper, Total	103	-	80-120	-	
Iron, Total	108	-	80-120	-	
Lead, Total	110	-	80-120	-	
Magnesium, Total	110	-	80-120	-	
Manganese, Total	100	-	80-120	-	
Nickel, Total	106	-	80-120	-	
Potassium, Total	111	-	80-120	-	
Selenium, Total	115	-	80-120	-	
Silver, Total	101	-	80-120	-	
Sodium, Total	115	-	80-120	-	
Thallium, Total	112	-	80-120	-	
Vanadium, Total	102	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: SENDERO VERDE

Project Number: 2984.0001Y000

Lab Number: L1816140

Report Date: 05/10/18

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 05 Batch: WG1113332-2					
Zinc, Total	113	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 01,03 Batch: WG1113498-2 SRM Lot Number: D098-540					
Mercury, Total	125	-	50-149	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: SENDERO VERDE

Project Number: 2984.0001Y000

Lab Number: L1816140

Report Date: 05/10/18

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01,03 Batch: WG1113513-2 SRM Lot Number: D098-540					
Aluminum, Total	74	-	47-153	-	
Antimony, Total	141	-	6-194	-	
Arsenic, Total	99	-	83-117	-	
Barium, Total	91	-	82-118	-	
Beryllium, Total	97	-	83-117	-	
Cadmium, Total	91	-	82-117	-	
Calcium, Total	90	-	81-118	-	
Chromium, Total	96	-	83-119	-	
Cobalt, Total	94	-	84-116	-	
Copper, Total	95	-	84-116	-	
Iron, Total	98	-	60-140	-	
Lead, Total	92	-	82-117	-	
Magnesium, Total	83	-	76-124	-	
Manganese, Total	91	-	82-118	-	
Nickel, Total	94	-	82-117	-	
Potassium, Total	87	-	69-131	-	
Selenium, Total	96	-	78-121	-	
Silver, Total	102	-	80-120	-	
Sodium, Total	96	-	74-126	-	
Thallium, Total	94	-	80-119	-	
Vanadium, Total	96	-	79-121	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: SENDERO VERDE

Project Number: 2984.0001Y000

Lab Number: L1816140

Report Date: 05/10/18

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01,03 Batch: WG1113513-2 SRM Lot Number: D098-540					
Zinc, Total	91	-	81-119	-	
Dissolved Metals - Mansfield Lab Associated sample(s): 06 Batch: WG1113713-2					
Mercury, Dissolved	110	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: SENDERO VERDE

Project Number: 2984.0001Y000

Lab Number: L1816140

Report Date: 05/10/18

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 06 Batch: WG1113990-2					
Aluminum, Dissolved	103	-	80-120	-	
Antimony, Dissolved	116	-	80-120	-	
Arsenic, Dissolved	108	-	80-120	-	
Barium, Dissolved	102	-	80-120	-	
Beryllium, Dissolved	105	-	80-120	-	
Cadmium, Dissolved	113	-	80-120	-	
Calcium, Dissolved	100	-	80-120	-	
Chromium, Dissolved	100	-	80-120	-	
Cobalt, Dissolved	104	-	80-120	-	
Copper, Dissolved	100	-	80-120	-	
Iron, Dissolved	106	-	80-120	-	
Lead, Dissolved	111	-	80-120	-	
Magnesium, Dissolved	107	-	80-120	-	
Manganese, Dissolved	101	-	80-120	-	
Nickel, Dissolved	102	-	80-120	-	
Potassium, Dissolved	101	-	80-120	-	
Selenium, Dissolved	104	-	80-120	-	
Silver, Dissolved	100	-	80-120	-	
Sodium, Dissolved	107	-	80-120	-	
Thallium, Dissolved	102	-	80-120	-	
Vanadium, Dissolved	100	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: SENDERO VERDE

Project Number: 2984.0001Y000

Lab Number: L1816140

Report Date: 05/10/18

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 06 Batch: WG1113990-2					
Zinc, Dissolved	105	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1816140
Report Date: 05/10/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 05 QC Batch ID: WG1113260-3 QC Sample: L1815844-02 Client ID: MS Sample												
Mercury, Total	ND	0.005	0.00032	**7**	Q	-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1816140
Report Date: 05/10/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 05 QC Batch ID: WG1113332-3 QC Sample: L1816024-01 Client ID: MS Sample										
Aluminum, Total	1.77	2	3.93	108		-	-	75-125	-	20
Antimony, Total	0.06054	0.5	0.6597	120		-	-	75-125	-	20
Arsenic, Total	0.00449	0.12	0.1338	108		-	-	75-125	-	20
Barium, Total	0.3538	2	2.342	99		-	-	75-125	-	20
Beryllium, Total	0.00016J	0.05	0.05382	108		-	-	75-125	-	20
Cadmium, Total	0.00037	0.051	0.05783	113		-	-	75-125	-	20
Calcium, Total	354.	10	359	**50**	Q	-	-	75-125	-	20
Chromium, Total	0.01308	0.2	0.2036	95		-	-	75-125	-	20
Cobalt, Total	0.01356	0.5	0.5115	100		-	-	75-125	-	20
Copper, Total	0.1189	0.25	0.3676	99		-	-	75-125	-	20
Iron, Total	13.1	1	14.3	120		-	-	75-125	-	20
Lead, Total	0.00470	0.51	0.6033	117		-	-	75-125	-	20
Magnesium, Total	85.7	10	117	**313**	Q	-	-	75-125	-	20
Manganese, Total	5.161	0.5	6.134	**195**	Q	-	-	75-125	-	20
Nickel, Total	0.0123	0.5	0.5131	100		-	-	75-125	-	20
Potassium, Total	94.8	10	126	**312**	Q	-	-	75-125	-	20
Selenium, Total	0.00178J	0.12	0.124	103		-	-	75-125	-	20
Silver, Total	0.0011	0.05	0.04984	97		-	-	75-125	-	20
Sodium, Total	427.	10	442	**150**	Q	-	-	75-125	-	20
Thallium, Total	0.00059	0.12	0.1280	106		-	-	75-125	-	20
Vanadium, Total	0.0171	0.5	0.4948	96		-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1816140
Report Date: 05/10/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 05 QC Batch ID: WG1113332-3 QC Sample: L1816024-01 Client ID: MS Sample									
Zinc, Total	0.1575	0.5	0.7088	110	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 01,03 QC Batch ID: WG1113498-3 QC Sample: L1816039-13 Client ID: MS Sample									
Mercury, Total	0.184	0.162	0.316	82	-	-	80-120	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1816140
Report Date: 05/10/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01,03 QC Batch ID: WG1113513-3 QC Sample: L1816325-01 Client ID: MS Sample										
Aluminum, Total	9280	185	13000	**2010**	Q	-	-	75-125	-	20
Antimony, Total	ND	46.4	24.7	**53**	Q	-	-	75-125	-	20
Arsenic, Total	1.08J	11.1	10.0	90		-	-	75-125	-	20
Barium, Total	37.5	185	211	94		-	-	75-125	-	20
Beryllium, Total	0.669J	4.64	4.94	106		-	-	75-125	-	20
Cadmium, Total	0.231J	4.73	3.85	81		-	-	75-125	-	20
Calcium, Total	916.	927	2060	123		-	-	75-125	-	20
Chromium, Total	12.3	18.5	29.8	94		-	-	75-125	-	20
Cobalt, Total	3.60J	46.4	37.2	80		-	-	75-125	-	20
Copper, Total	2.88	23.2	23.4	88		-	-	75-125	-	20
Iron, Total	15400	92.7	17700	**2480**	Q	-	-	75-125	-	20
Lead, Total	3.41J	47.3	41.3	87		-	-	75-125	-	20
Magnesium, Total	5150	927	7510	**254**	Q	-	-	75-125	-	20
Manganese, Total	21.9	46.4	68.2	100		-	-	75-125	-	20
Nickel, Total	18.1	46.4	52.7	75		-	-	75-125	-	20
Potassium, Total	781.	927	1840	114		-	-	75-125	-	20
Selenium, Total	ND	11.1	7.56	**68**	Q	-	-	75-125	-	20
Silver, Total	ND	27.8	25.2	91		-	-	75-125	-	20
Sodium, Total	157.J	927	1080	116		-	-	75-125	-	20
Thallium, Total	ND	11.1	7.76	**70**	Q	-	-	75-125	-	20
Vanadium, Total	25.7	46.4	66.7	88		-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1816140
Report Date: 05/10/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01,03 QC Batch ID: WG1113513-3 QC Sample: L1816325-01 Client ID: MS Sample									
Zinc, Total	7.64J	46.4	43.5	94	-	-	75-125	-	20
Dissolved Metals - Mansfield Lab Associated sample(s): 06 QC Batch ID: WG1113713-3 QC Sample: L1815875-01 Client ID: MS Sample									
Mercury, Dissolved	ND	0.005	0.00521	104	-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1816140
Report Date: 05/10/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 06 QC Batch ID: WG1113990-3 QC Sample: L1815875-01 Client ID: MS Sample										
Aluminum, Dissolved	ND	2	2.04	102		-	-	75-125	-	20
Antimony, Dissolved	0.00081J	0.5	0.6960	**139**	Q	-	-	75-125	-	20
Arsenic, Dissolved	0.00028J	0.12	0.1312	109		-	-	75-125	-	20
Barium, Dissolved	0.05279	2	2.072	101		-	-	75-125	-	20
Beryllium, Dissolved	ND	0.05	0.05214	104		-	-	75-125	-	20
Cadmium, Dissolved	0.00014J	0.051	0.05631	110		-	-	75-125	-	20
Calcium, Dissolved	240.	10	240	**0**	Q	-	-	75-125	-	20
Chromium, Dissolved	0.00037J	0.2	0.1991	100		-	-	75-125	-	20
Cobalt, Dissolved	0.00133	0.5	0.5069	101		-	-	75-125	-	20
Copper, Dissolved	0.00085J	0.25	0.2510	100		-	-	75-125	-	20
Iron, Dissolved	0.0215J	1	1.12	112		-	-	75-125	-	20
Lead, Dissolved	ND	0.51	0.5578	109		-	-	75-125	-	20
Magnesium, Dissolved	61.6	10	70.1	85		-	-	75-125	-	20
Manganese, Dissolved	0.6902	0.5	1.187	99		-	-	75-125	-	20
Nickel, Dissolved	0.00268	0.5	0.5231	104		-	-	75-125	-	20
Potassium, Dissolved	10.7	10	20.8	101		-	-	75-125	-	20
Selenium, Dissolved	0.00304J	0.12	0.126	105		-	-	75-125	-	20
Silver, Dissolved	ND	0.05	0.04976	100		-	-	75-125	-	20
Sodium, Dissolved	344.	10	340	**0**	Q	-	-	75-125	-	20
Thallium, Dissolved	ND	0.12	0.1219	102		-	-	75-125	-	20
Vanadium, Dissolved	ND	0.5	0.5154	103		-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1816140
Report Date: 05/10/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 06 QC Batch ID: WG1113990-3 QC Sample: L1815875-01 Client ID: MS Sample									
Zinc, Dissolved	ND	0.5	0.5186	104	-	-	75-125	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1816140
Report Date: 05/10/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 05 QC Batch ID: WG1113260-4 QC Sample: L1815844-02 Client ID: DUP Sample						
Mercury, Total	ND	ND	mg/l	NC		20
Total Metals - Mansfield Lab Associated sample(s): 05 QC Batch ID: WG1113332-4 QC Sample: L1816024-01 Client ID: DUP Sample						
Antimony, Total	0.06054	0.06230	mg/l	3		20
Arsenic, Total	0.00449	0.00473	mg/l	5		20
Barium, Total	0.3538	0.3674	mg/l	4		20
Beryllium, Total	0.00016J	0.00021J	mg/l	NC		20
Cadmium, Total	0.00037	0.00046	mg/l	**21**	Q	20
Chromium, Total	0.01308	0.01288	mg/l	2		20
Cobalt, Total	0.01356	0.01335	mg/l	2		20
Lead, Total	0.00470	0.00456	mg/l	3		20
Selenium, Total	0.00178J	0.00208J	mg/l	NC		20
Thallium, Total	0.00059	0.00342	mg/l	**141**	Q	20
Total Metals - Mansfield Lab Associated sample(s): 01,03 QC Batch ID: WG1113498-4 QC Sample: L1816039-13 Client ID: DUP Sample						
Mercury, Total	0.184	0.118	mg/kg	**44**	Q	20
Total Metals - Mansfield Lab Associated sample(s): 01,03 QC Batch ID: WG1113513-4 QC Sample: L1816325-01 Client ID: DUP Sample						
Lead, Total	3.41J	4.28J	mg/kg	NC		20
Dissolved Metals - Mansfield Lab Associated sample(s): 06 QC Batch ID: WG1113713-4 QC Sample: L1815875-01 Client ID: DUP Sample						
Mercury, Dissolved	ND	ND	mg/l	NC		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1816140
Report Date: 05/10/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 06 QC Batch ID: WG1113990-4 QC Sample: L1815875-01 Client ID: DUP Sample					
Aluminum, Dissolved	ND	ND	mg/l	NC	20
Antimony, Dissolved	0.00081J	0.00172J	mg/l	NC	20
Arsenic, Dissolved	0.00028J	0.00040J	mg/l	NC	20
Barium, Dissolved	0.05279	0.05553	mg/l	5	20
Beryllium, Dissolved	ND	ND	mg/l	NC	20
Cadmium, Dissolved	0.00014J	0.00026	mg/l	NC	20
Calcium, Dissolved	240.	253	mg/l	5	20
Chromium, Dissolved	0.00037J	0.00019J	mg/l	NC	20
Cobalt, Dissolved	0.00133	0.00145	mg/l	9	20
Copper, Dissolved	0.00085J	0.00087J	mg/l	NC	20
Iron, Dissolved	0.0215J	0.0345J	mg/l	NC	20
Lead, Dissolved	ND	ND	mg/l	NC	20
Magnesium, Dissolved	61.6	61.3	mg/l	0	20
Manganese, Dissolved	0.6902	0.7119	mg/l	3	20
Nickel, Dissolved	0.00268	0.00254	mg/l	5	20
Potassium, Dissolved	10.7	11.4	mg/l	6	20
Selenium, Dissolved	0.00304J	0.00300J	mg/l	NC	20
Silver, Dissolved	ND	ND	mg/l	NC	20
Sodium, Dissolved	344.	364	mg/l	6	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1816140
Report Date: 05/10/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 06 QC Batch ID: WG1113990-4 QC Sample: L1815875-01 Client ID: DUP Sample					
Thallium, Dissolved	ND	ND	mg/l	NC	20
Vanadium, Dissolved	ND	ND	mg/l	NC	20
Zinc, Dissolved	ND	ND	mg/l	NC	20

INORGANICS
&
MISCELLANEOUS

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1816140
Report Date: 05/10/18

SAMPLE RESULTS

Lab ID: L1816140-01
Client ID: SB-11 (8-10)
Sample Location: EAST HARLEM, NY

Date Collected: 05/04/18 12:00
Date Received: 05/04/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	74.8		%	0.100	NA	1	-	05/05/18 12:55	121,2540G	RI

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1816140
Report Date: 05/10/18

SAMPLE RESULTS

Lab ID: L1816140-02
Client ID: SB-11 (8)
Sample Location: EAST HARLEM, NY

Date Collected: 05/04/18 12:00
Date Received: 05/04/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	82.2		%	0.100	NA	1	-	05/05/18 12:55	121,2540G	RI

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1816140
Report Date: 05/10/18

SAMPLE RESULTS

Lab ID: L1816140-03
Client ID: SB-12 (17-19)
Sample Location: EAST HARLEM, NY

Date Collected: 05/04/18 13:30
Date Received: 05/04/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.6		%	0.100	NA	1	-	05/05/18 12:55	121,2540G	RI

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1816140
Report Date: 05/10/18

SAMPLE RESULTS

Lab ID: L1816140-04
Client ID: SB-12 (18)
Sample Location: EAST HARLEM, NY

Date Collected: 05/04/18 13:30
Date Received: 05/04/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	80.8		%	0.100	NA	1	-	05/05/18 12:55	121,2540G	RI

Lab Duplicate Analysis
Batch Quality Control

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1816140
Report Date: 05/10/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG1112973-1 QC Sample: L1816048-01 Client ID: DUP Sample						
Solids, Total	80.4	80.8	%	0		20

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1816140
Report Date: 05/10/18

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent
B	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1816140-01A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.2	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1816140-01B	Glass 250ml/8oz unpreserved	A	NA		3.2	Y	Absent		NYTCL-8270(14),TS(7),NYTCL-8081(14),NYTCL-8082(14)
L1816140-02A	5 gram Encore Sampler	A	NA		3.2	Y	Absent		NYTCL-8260HLW(14)
L1816140-02B	5 gram Encore Sampler	A	NA		3.2	Y	Absent		NYTCL-8260HLW(14)
L1816140-02C	5 gram Encore Sampler	A	NA		3.2	Y	Absent		NYTCL-8260HLW(14)
L1816140-02D	Plastic 2oz unpreserved for TS	A	NA		3.2	Y	Absent		TS(7)
L1816140-02X	Vial MeOH preserved split	A	NA		3.2	Y	Absent		NYTCL-8260HLW(14)
L1816140-02Y	Vial Water preserved split	A	NA		3.2	Y	Absent	05-MAY-18 11:22	NYTCL-8260HLW(14)
L1816140-02Z	Vial Water preserved split	A	NA		3.2	Y	Absent	05-MAY-18 11:22	NYTCL-8260HLW(14)
L1816140-03A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.2	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1816140-03B	Glass 250ml/8oz unpreserved	A	NA		3.2	Y	Absent		NYTCL-8270(14),TS(7),NYTCL-8081(14),NYTCL-8082(14)
L1816140-04A	5 gram Encore Sampler	A	NA		3.2	Y	Absent		NYTCL-8260HLW(14)
L1816140-04B	5 gram Encore Sampler	A	NA		3.2	Y	Absent		NYTCL-8260HLW(14)
L1816140-04C	5 gram Encore Sampler	A	NA		3.2	Y	Absent		NYTCL-8260HLW(14)
L1816140-04D	Plastic 2oz unpreserved for TS	A	NA		3.2	Y	Absent		TS(7)
L1816140-04X	Vial MeOH preserved split	A	NA		3.2	Y	Absent		NYTCL-8260HLW(14)

*Values in parentheses indicate holding time in days

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1816140
Report Date: 05/10/18

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1816140-04Y	Vial Water preserved split	A	NA		3.2	Y	Absent	05-MAY-18 11:22	NYTCL-8260HLW(14)
L1816140-04Z	Vial Water preserved split	A	NA		3.2	Y	Absent	05-MAY-18 11:22	NYTCL-8260HLW(14)
L1816140-05A	Vial HCl preserved	B	NA		2.9	Y	Absent		NYTCL-8260(14)
L1816140-05B	Vial HCl preserved	B	NA		2.9	Y	Absent		NYTCL-8260(14)
L1816140-05C	Vial HCl preserved	B	NA		2.9	Y	Absent		NYTCL-8260(14)
L1816140-05D	Plastic 250ml unpreserved	B	7	7	2.9	Y	Absent		-
L1816140-05E	Plastic 250ml HNO3 preserved	B	<2	<2	2.9	Y	Absent		BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1816140-05F	Amber 120ml unpreserved	B	7	7	2.9	Y	Absent		NYTCL-8081(7)
L1816140-05G	Amber 120ml unpreserved	B	7	7	2.9	Y	Absent		NYTCL-8081(7)
L1816140-05H	Amber 120ml unpreserved	B	7	7	2.9	Y	Absent		NYTCL-8081(7)
L1816140-05I	Amber 120ml unpreserved	B	7	7	2.9	Y	Absent		NYTCL-8081(7)
L1816140-05J	Amber 1000ml unpreserved	B	7	7	2.9	Y	Absent		NYTCL-8270(7),NYTCL-8270-SIM(7)
L1816140-05K	Amber 1000ml unpreserved	B	7	7	2.9	Y	Absent		NYTCL-8270(7),NYTCL-8270-SIM(7)
L1816140-05L	Amber 1000ml unpreserved	B	7	7	2.9	Y	Absent		NYTCL-8270(7)
L1816140-05M	Amber 1000ml unpreserved	B	7	7	2.9	Y	Absent		NYTCL-8082-1200ML(7)
L1816140-05N	Amber 1000ml unpreserved	B	7	7	2.9	Y	Absent		NYTCL-8082-1200ML(7)
L1816140-05O	Amber 1000ml unpreserved	B	7	7	2.9	Y	Absent		NYTCL-8082-1200ML(7)
L1816140-05P	Amber 1000ml unpreserved	B	7	7	2.9	Y	Absent		NYTCL-8082-1200ML(7)
L1816140-05X	Plastic 250ml HNO3 preserved Filtrates	B	NA		2.9	Y	Absent		-
L1816140-06A	Plastic 250ml unpreserved	B	7	7	2.9	Y	Absent		-
L1816140-06B	Amber 120ml unpreserved	B	7	7	2.9	Y	Absent		FILTER-EXT(1)
L1816140-06C	Amber 120ml unpreserved	B	7	7	2.9	Y	Absent		FILTER-EXT(1)
L1816140-06D	Amber 1000ml unpreserved	B	7	7	2.9	Y	Absent		FILTER-EXT(1)
L1816140-06E	Amber 1000ml unpreserved	B	7	7	2.9	Y	Absent		FILTER-EXT(1)

*Values in parentheses indicate holding time in days

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1816140
Report Date: 05/10/18

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1816140-06F	Amber 1000ml unpreserved	B	7	7	2.9	Y	Absent		FILTER-EXT(1)
L1816140-06R	Amber 1000ml unpreserved Filtrates	B	NA		2.9	Y	Absent		NYTCL-8270(7),NYTCL-8270-SIM(7)
L1816140-06S	Amber 1000ml unpreserved Filtrates	B	NA		2.9	Y	Absent		NYTCL-8082-1200ML(7)
L1816140-06T	Amber 1000ml unpreserved Filtrates	B	NA		2.9	Y	Absent		NYTCL-8082-1200ML(7)
L1816140-06U	Amber 500ml unpreserved Filtrates	B	NA		2.9	Y	Absent		NYTCL-8081(7)
L1816140-06V	Amber 500ml unpreserved Filtrates	B	NA		2.9	Y	Absent		NYTCL-8081(7)
L1816140-06X	Plastic 250ml HNO3 preserved Filtrates	B	NA		2.9	Y	Absent		CU-6020S(180),K-6020S(180),SE-6020S(180),V-6020S(180),MN-6020S(180),BE-6020S(180),CO-6020S(180),MG-6020S(180),ZN-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),BA-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)

*Values in parentheses indicate holding time in days

Project Name:	SENDERO VERDE	**Lab Number:**	L1816140
Project Number:	2984.0001Y000	**Report Date:**	05/10/18

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

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

Terms

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

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

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

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

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

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related

Report Format: DU Report with 'J' Qualifiers

Project Name:	SENDERO VERDE	**Lab Number:**	L1816140
Project Number:	2984.0001Y000	**Report Date:**	05/10/18

Data Qualifiers

projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

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

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

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

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name:	SENDERO VERDE	**Lab Number:**	L1816140
Project Number:	2984.0001Y000	**Report Date:**	05/10/18

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 300: DW: Bromide
EPA 6860: SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, EPA 351.1, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Be, Cd, Cr, Cu, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

Serial_No:05101818:59

ALPHA — NEW YORK CHAIN OF CUSTODY

Westborough, MA 01581, 8 Walkup Dr., TEL: 508-898-9220, FAX: 508-898-9193
Mansfield, MA 02048, 320 Forbes Blvd, TEL: 508-822-9300, FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 2

Date Rec'd in Lab: 5/4/18

ALPHA Job #: L1816140

Project Information
Project Name: Sendero Verde
Project Location: East Harlem, NY
Project #: 2984.0001Y000
(Use Project name as Project #) ☐
Project Manager: Julie Moriarity
ALPHAQuote #:

Turn-Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Client Information
Client: Roux
Address: 209 Shafter St, Islandia, NY 11749
Phone: 631-232-2600
Fax: 631-232-9898
Email: jmoriarity@rouxinc.com

Deliverables
☐ ASP-A ☒ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information
☒ Same as Client Info
PO #

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility: ☐ NJ ☐ NY ☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

Sample Filtration: ☐ Done ☐ Lab to do
Preservation: ☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOC 8260	SVOC 8270, PCB 8082, Pest 8081	TAL Metals 6010	Total Solids	Total Metals	Dissolved Metals			Sample Specific Comments	Total Bottles
16140-01	SB-11 (8-10)	5/4/18	12:00	Soil	VS		X	X							2
-02	SB-11 (8)	↓	12:00	↓	↓	X			X						4
-03	SB-12 (17-19)	↓	13:30	↓	↓		X	X							2
-04	SB-12 (18)	↓	13:30	↓	↓	X			X						4
-05	SB-11 / GW	↓	13:00	GW	↓	X	X			X	X				17

Container Type	E/V	A	A	P	P	P		
Preservative	A/B	A	A	A	C	A		

Preservative Code: A = None, B = HCl, C = HNO_3, D = H_2SO_4, E = NaOH, F = MeOH, G = $NaHSO_4$, H = $Na_2S_2O_3$, K/E = Zn Ac/NaOH, O = Other

Container Code: P = Plastic, A = Amber Glass, V = Vial, G = Glass, B = Bacteria Cup, C = Cube, O = Other, E = Encore, D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
Valerie Sclafani	5/4/18 14:10	[signature] AAL	5/4 1410
[signature]	5/4 1711	Paul Mazzella	5/4/18 1815
Paul Mazzella	5/4/18 2330	[signature]	5/4/18 2330

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L1816192
Client:	Roux Envr. Engr. & Geology, DPC 209 Shafter Street Islandia, NY 11749
ATTN:	Julie Moriarity
Phone:	(631) 232-2600
Project Name:	SENDERO VERDE
Project Number:	2984.0001Y000
Report Date:	05/10/18

Certifications & Approvals: MA (M-MA030), NH NELAP (2062), CT (PH-0141), DoD (L2474), FL (E87814), IL (200081), LA (85084), ME (MA00030), MD (350), NJ (MA015), NY (11627), NC (685), OH (CL106), PA (68-02089), RI (LAO00299), TX (T104704419), VT (VT-0015), VA (460194), WA (C954), US Army Corps of Engineers, USDA (Permit #P330-17-00150), USFWS (Permit #206964).

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1816192
Report Date: 05/10/18

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1816192-01	SV-1	SOIL_VAPOR	EAST HARLEM, NY	05/04/18 12:45	05/04/18
L1816192-02	SV-2	SOIL_VAPOR	EAST HARLEM, NY	05/04/18 12:48	05/04/18
L1816192-03	SV-3	SOIL_VAPOR	EAST HARLEM, NY	05/04/18 12:50	05/04/18
L1816192-04	SV-4	SOIL_VAPOR	EAST HARLEM, NY	05/04/18 13:12	05/04/18
L1816192-05	SV-5	SOIL_VAPOR	EAST HARLEM, NY	05/04/18 13:09	05/04/18
L1816192-06	SV-6	SOIL_VAPOR	EAST HARLEM, NY	05/04/18 12:55	05/04/18
L1816192-07	SV-7	SOIL_VAPOR	EAST HARLEM, NY	05/04/18 13:13	05/04/18
L1816192-08	SV-8	SOIL_VAPOR	EAST HARLEM, NY	05/04/18 13:10	05/04/18
L1816192-09	UNUSED CANISTER 323	SOIL_VAPOR	EAST HARLEM, NY		05/04/18
L1816192-10	UNUSED CANISTER 2520	SOIL_VAPOR	EAST HARLEM, NY		05/04/18
L1816192-11	UNUSED CANISTER 388	SOIL_VAPOR	EAST HARLEM, NY		05/04/18

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1816192
Report Date: 05/10/18

Case Narrative

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

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

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

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

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

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

Project Name:	SENDERO VERDE	**Lab Number:**	L1816192
Project Number:	2984.0001Y000	**Report Date:**	05/10/18

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on May 1, 2018. The canister certification results are provided as an addendum.

L1816192-01, -02, -03, -04, -05, -06, -07 and -08: The sample has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

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

Authorized Signature: Christopher J. Anderson

Title: Technical Director/Representative Date: 05/10/18

AIR

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1816192
Report Date: 05/10/18

SAMPLE RESULTS

Lab ID: L1816192-01 D
Client ID: SV-1
Sample Location: EAST HARLEM, NY

Date Collected: 05/04/18 12:45
Date Received: 05/04/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 05/08/18 16:55
Analyst: RY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	1.00	--	ND	4.94	--		5
Chloromethane	ND	1.00	--	ND	2.07	--		5
Freon-114	ND	1.00	--	ND	6.99	--		5
Vinyl chloride	ND	1.00	--	ND	2.56	--		5
1,3-Butadiene	ND	1.00	--	ND	2.21	--		5
Bromomethane	ND	1.00	--	ND	3.88	--		5
Chloroethane	ND	1.00	--	ND	2.64	--		5
Ethanol	ND	25.0	--	ND	47.1	--		5
Vinyl bromide	ND	1.00	--	ND	4.37	--		5
Acetone	50.4	5.00	--	120	11.9	--		5
Trichlorofluoromethane	ND	1.00	--	ND	5.62	--		5
Isopropanol	ND	2.50	--	ND	6.15	--		5
1,1-Dichloroethene	ND	1.00	--	ND	3.96	--		5
Tertiary butyl Alcohol	ND	2.50	--	ND	7.58	--		5
Methylene chloride	ND	2.50	--	ND	8.69	--		5
3-Chloropropene	ND	1.00	--	ND	3.13	--		5
Carbon disulfide	ND	1.00	--	ND	3.11	--		5
Freon-113	ND	1.00	--	ND	7.66	--		5
trans-1,2-Dichloroethene	ND	1.00	--	ND	3.96	--		5
1,1-Dichloroethane	ND	1.00	--	ND	4.05	--		5
Methyl tert butyl ether	ND	1.00	--	ND	3.61	--		5
2-Butanone	277	2.50	--	817	7.37	--		5
cis-1,2-Dichloroethene	ND	1.00	--	ND	3.96	--		5

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1816192
Report Date: 05/10/18

SAMPLE RESULTS

Lab ID: L1816192-01 D
Client ID: SV-1
Sample Location: EAST HARLEM, NY

Date Collected: 05/04/18 12:45
Date Received: 05/04/18
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	2.50	--	ND	9.01	--		5
Chloroform	ND	1.00	--	ND	4.88	--		5
Tetrahydrofuran	ND	2.50	--	ND	7.37	--		5
1,2-Dichloroethane	ND	1.00	--	ND	4.05	--		5
n-Hexane	ND	1.00	--	ND	3.52	--		5
1,1,1-Trichloroethane	ND	1.00	--	ND	5.46	--		5
Benzene	ND	1.00	--	ND	3.19	--		5
Carbon tetrachloride	ND	1.00	--	ND	6.29	--		5
Cyclohexane	ND	1.00	--	ND	3.44	--		5
1,2-Dichloropropane	ND	1.00	--	ND	4.62	--		5
Bromodichloromethane	ND	1.00	--	ND	6.70	--		5
1,4-Dioxane	ND	1.00	--	ND	3.60	--		5
Trichloroethene	ND	1.00	--	ND	5.37	--		5
2,2,4-Trimethylpentane	ND	1.00	--	ND	4.67	--		5
Heptane	ND	1.00	--	ND	4.10	--		5
cis-1,3-Dichloropropene	ND	1.00	--	ND	4.54	--		5
4-Methyl-2-pentanone	ND	2.50	--	ND	10.2	--		5
trans-1,3-Dichloropropene	ND	1.00	--	ND	4.54	--		5
1,1,2-Trichloroethane	ND	1.00	--	ND	5.46	--		5
Toluene	1.26	1.00	--	4.75	3.77	--		5
2-Hexanone	39.2	1.00	--	161	4.10	--		5
Dibromochloromethane	ND	1.00	--	ND	8.52	--		5
1,2-Dibromoethane	ND	1.00	--	ND	7.69	--		5
Tetrachloroethene	ND	1.00	--	ND	6.78	--		5
Chlorobenzene	ND	1.00	--	ND	4.61	--		5
Ethylbenzene	ND	1.00	--	ND	4.34	--		5

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1816192
Report Date: 05/10/18

SAMPLE RESULTS

Lab ID: L1816192-01 D
Client ID: SV-1
Sample Location: EAST HARLEM, NY

Date Collected: 05/04/18 12:45
Date Received: 05/04/18
Field Prep: Not Specified

Sample Depth:

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	3.44	2.00	--	14.9	8.69	--		5
Bromoform	ND	1.00	--	ND	10.3	--		5
Styrene	ND	1.00	--	ND	4.26	--		5
1,1,2,2-Tetrachloroethane	ND	1.00	--	ND	6.87	--		5
o-Xylene	1.68	1.00	--	7.30	4.34	--		5
4-Ethyltoluene	ND	1.00	--	ND	4.92	--		5
1,3,5-Trimethylbenzene	ND	1.00	--	ND	4.92	--		5
1,2,4-Trimethylbenzene	3.06	1.00	--	15.0	4.92	--		5
Benzyl chloride	ND	1.00	--	ND	5.18	--		5
1,3-Dichlorobenzene	ND	1.00	--	ND	6.01	--		5
1,4-Dichlorobenzene	ND	1.00	--	ND	6.01	--		5
1,2-Dichlorobenzene	ND	1.00	--	ND	6.01	--		5
1,2,4-Trichlorobenzene	ND	1.00	--	ND	7.42	--		5
Hexachlorobutadiene	ND	1.00	--	ND	10.7	--		5

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	88		60-140
Bromochloromethane	87		60-140
chlorobenzene-d5	92		60-140

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1816192
Report Date: 05/10/18

SAMPLE RESULTS

Lab ID: L1816192-02 D
Client ID: SV-2
Sample Location: EAST HARLEM, NY

Date Collected: 05/04/18 12:48
Date Received: 05/04/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 05/08/18 17:32
Analyst: RY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	2.00	--	ND	9.89	--		10
Chloromethane	ND	2.00	--	ND	4.13	--		10
Freon-114	ND	2.00	--	ND	14.0	--		10
Vinyl chloride	ND	2.00	--	ND	5.11	--		10
1,3-Butadiene	ND	2.00	--	ND	4.42	--		10
Bromomethane	ND	2.00	--	ND	7.77	--		10
Chloroethane	ND	2.00	--	ND	5.28	--		10
Ethanol	ND	50.0	--	ND	94.2	--		10
Vinyl bromide	ND	2.00	--	ND	8.74	--		10
Acetone	147	10.0	--	349	23.8	--		10
Trichlorofluoromethane	ND	2.00	--	ND	11.2	--		10
Isopropanol	ND	5.00	--	ND	12.3	--		10
1,1-Dichloroethene	ND	2.00	--	ND	7.93	--		10
Tertiary butyl Alcohol	ND	5.00	--	ND	15.2	--		10
Methylene chloride	ND	5.00	--	ND	17.4	--		10
3-Chloropropene	ND	2.00	--	ND	6.26	--		10
Carbon disulfide	ND	2.00	--	ND	6.23	--		10
Freon-113	ND	2.00	--	ND	15.3	--		10
trans-1,2-Dichloroethene	ND	2.00	--	ND	7.93	--		10
1,1-Dichloroethane	ND	2.00	--	ND	8.09	--		10
Methyl tert butyl ether	ND	2.00	--	ND	7.21	--		10
2-Butanone	600	5.00	--	1770	14.7	--		10
cis-1,2-Dichloroethene	ND	2.00	--	ND	7.93	--		10

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1816192
Report Date: 05/10/18

SAMPLE RESULTS

Lab ID: L1816192-02 D
Client ID: SV-2
Sample Location: EAST HARLEM, NY

Date Collected: 05/04/18 12:48
Date Received: 05/04/18
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	5.00	--	ND	18.0	--		10
Chloroform	9.15	2.00	--	44.7	9.77	--		10
Tetrahydrofuran	ND	5.00	--	ND	14.7	--		10
1,2-Dichloroethane	ND	2.00	--	ND	8.09	--		10
n-Hexane	ND	2.00	--	ND	7.05	--		10
1,1,1-Trichloroethane	ND	2.00	--	ND	10.9	--		10
Benzene	ND	2.00	--	ND	6.39	--		10
Carbon tetrachloride	ND	2.00	--	ND	12.6	--		10
Cyclohexane	ND	2.00	--	ND	6.88	--		10
1,2-Dichloropropane	ND	2.00	--	ND	9.24	--		10
Bromodichloromethane	ND	2.00	--	ND	13.4	--		10
1,4-Dioxane	ND	2.00	--	ND	7.21	--		10
Trichloroethene	ND	2.00	--	ND	10.7	--		10
2,2,4-Trimethylpentane	ND	2.00	--	ND	9.34	--		10
Heptane	ND	2.00	--	ND	8.20	--		10
cis-1,3-Dichloropropene	ND	2.00	--	ND	9.08	--		10
4-Methyl-2-pentanone	ND	5.00	--	ND	20.5	--		10
trans-1,3-Dichloropropene	ND	2.00	--	ND	9.08	--		10
1,1,2-Trichloroethane	ND	2.00	--	ND	10.9	--		10
Toluene	ND	2.00	--	ND	7.54	--		10
2-Hexanone	61.8	2.00	--	253	8.20	--		10
Dibromochloromethane	ND	2.00	--	ND	17.0	--		10
1,2-Dibromoethane	ND	2.00	--	ND	15.4	--		10
Tetrachloroethene	ND	2.00	--	ND	13.6	--		10
Chlorobenzene	ND	2.00	--	ND	9.21	--		10
Ethylbenzene	ND	2.00	--	ND	8.69	--		10

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1816192
Report Date: 05/10/18

SAMPLE RESULTS

Lab ID: L1816192-02 D
Client ID: SV-2
Sample Location: EAST HARLEM, NY

Date Collected: 05/04/18 12:48
Date Received: 05/04/18
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	ND	4.00	--	ND	17.4	--		10
Bromoform	ND	2.00	--	ND	20.7	--		10
Styrene	ND	2.00	--	ND	8.52	--		10
1,1,2,2-Tetrachloroethane	ND	2.00	--	ND	13.7	--		10
o-Xylene	ND	2.00	--	ND	8.69	--		10
4-Ethyltoluene	ND	2.00	--	ND	9.83	--		10
1,3,5-Trimethylbenzene	ND	2.00	--	ND	9.83	--		10
1,2,4-Trimethylbenzene	ND	2.00	--	ND	9.83	--		10
Benzyl chloride	ND	2.00	--	ND	10.4	--		10
1,3-Dichlorobenzene	ND	2.00	--	ND	12.0	--		10
1,4-Dichlorobenzene	ND	2.00	--	ND	12.0	--		10
1,2-Dichlorobenzene	ND	2.00	--	ND	12.0	--		10
1,2,4-Trichlorobenzene	ND	2.00	--	ND	14.8	--		10
Hexachlorobutadiene	ND	2.00	--	ND	21.3	--		10

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	88		60-140
Bromochloromethane	86		60-140
chlorobenzene-d5	91		60-140

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1816192
Report Date: 05/10/18

SAMPLE RESULTS

Lab ID: L1816192-03 D
Client ID: SV-3
Sample Location: EAST HARLEM, NY

Date Collected: 05/04/18 12:50
Date Received: 05/04/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 05/08/18 18:08
Analyst: RY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	2.00	--	ND	9.89	--		10
Chloromethane	ND	2.00	--	ND	4.13	--		10
Freon-114	ND	2.00	--	ND	14.0	--		10
Vinyl chloride	ND	2.00	--	ND	5.11	--		10
1,3-Butadiene	ND	2.00	--	ND	4.42	--		10
Bromomethane	ND	2.00	--	ND	7.77	--		10
Chloroethane	ND	2.00	--	ND	5.28	--		10
Ethanol	ND	50.0	--	ND	94.2	--		10
Vinyl bromide	ND	2.00	--	ND	8.74	--		10
Acetone	192	10.0	--	456	23.8	--		10
Trichlorofluoromethane	ND	2.00	--	ND	11.2	--		10
Isopropanol	ND	5.00	--	ND	12.3	--		10
1,1-Dichloroethene	ND	2.00	--	ND	7.93	--		10
Tertiary butyl Alcohol	ND	5.00	--	ND	15.2	--		10
Methylene chloride	ND	5.00	--	ND	17.4	--		10
3-Chloropropene	ND	2.00	--	ND	6.26	--		10
Carbon disulfide	ND	2.00	--	ND	6.23	--		10
Freon-113	ND	2.00	--	ND	15.3	--		10
trans-1,2-Dichloroethene	ND	2.00	--	ND	7.93	--		10
1,1-Dichloroethane	ND	2.00	--	ND	8.09	--		10
Methyl tert butyl ether	ND	2.00	--	ND	7.21	--		10
2-Butanone	456	5.00	--	1340	14.7	--		10
cis-1,2-Dichloroethene	ND	2.00	--	ND	7.93	--		10

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1816192
Report Date: 05/10/18

SAMPLE RESULTS

Lab ID: L1816192-03 D
Client ID: SV-3
Sample Location: EAST HARLEM, NY

Date Collected: 05/04/18 12:50
Date Received: 05/04/18
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	5.00	--	ND	18.0	--		10
Chloroform	6.80	2.00	--	33.2	9.77	--		10
Tetrahydrofuran	ND	5.00	--	ND	14.7	--		10
1,2-Dichloroethane	ND	2.00	--	ND	8.09	--		10
n-Hexane	ND	2.00	--	ND	7.05	--		10
1,1,1-Trichloroethane	ND	2.00	--	ND	10.9	--		10
Benzene	ND	2.00	--	ND	6.39	--		10
Carbon tetrachloride	ND	2.00	--	ND	12.6	--		10
Cyclohexane	ND	2.00	--	ND	6.88	--		10
1,2-Dichloropropane	ND	2.00	--	ND	9.24	--		10
Bromodichloromethane	ND	2.00	--	ND	13.4	--		10
1,4-Dioxane	ND	2.00	--	ND	7.21	--		10
Trichloroethene	ND	2.00	--	ND	10.7	--		10
2,2,4-Trimethylpentane	ND	2.00	--	ND	9.34	--		10
Heptane	ND	2.00	--	ND	8.20	--		10
cis-1,3-Dichloropropene	ND	2.00	--	ND	9.08	--		10
4-Methyl-2-pentanone	ND	5.00	--	ND	20.5	--		10
trans-1,3-Dichloropropene	ND	2.00	--	ND	9.08	--		10
1,1,2-Trichloroethane	ND	2.00	--	ND	10.9	--		10
Toluene	ND	2.00	--	ND	7.54	--		10
2-Hexanone	36.7	2.00	--	150	8.20	--		10
Dibromochloromethane	ND	2.00	--	ND	17.0	--		10
1,2-Dibromoethane	ND	2.00	--	ND	15.4	--		10
Tetrachloroethene	7.19	2.00	--	48.8	13.6	--		10
Chlorobenzene	ND	2.00	--	ND	9.21	--		10
Ethylbenzene	ND	2.00	--	ND	8.69	--		10

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1816192
Report Date: 05/10/18

SAMPLE RESULTS

Lab ID: L1816192-03 D
Client ID: SV-3
Sample Location: EAST HARLEM, NY

Date Collected: 05/04/18 12:50
Date Received: 05/04/18
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	ND	4.00	--	ND	17.4	--		10
Bromoform	ND	2.00	--	ND	20.7	--		10
Styrene	ND	2.00	--	ND	8.52	--		10
1,1,2,2-Tetrachloroethane	ND	2.00	--	ND	13.7	--		10
o-Xylene	ND	2.00	--	ND	8.69	--		10
4-Ethyltoluene	ND	2.00	--	ND	9.83	--		10
1,3,5-Trimethylbenzene	ND	2.00	--	ND	9.83	--		10
1,2,4-Trimethylbenzene	ND	2.00	--	ND	9.83	--		10
Benzyl chloride	ND	2.00	--	ND	10.4	--		10
1,3-Dichlorobenzene	ND	2.00	--	ND	12.0	--		10
1,4-Dichlorobenzene	ND	2.00	--	ND	12.0	--		10
1,2-Dichlorobenzene	ND	2.00	--	ND	12.0	--		10
1,2,4-Trichlorobenzene	ND	2.00	--	ND	14.8	--		10
Hexachlorobutadiene	ND	2.00	--	ND	21.3	--		10

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	89		60-140
Bromochloromethane	89		60-140
chlorobenzene-d5	92		60-140

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1816192
Report Date: 05/10/18

SAMPLE RESULTS

Lab ID: L1816192-04 D
Client ID: SV-4
Sample Location: EAST HARLEM, NY

Date Collected: 05/04/18 13:12
Date Received: 05/04/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 05/09/18 08:13
Analyst: RY

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	10.8	1.00	--	53.4	4.94	--		5
Chloromethane	ND	1.00	--	ND	2.07	--		5
Freon-114	ND	1.00	--	ND	6.99	--		5
Vinyl chloride	ND	1.00	--	ND	2.56	--		5
1,3-Butadiene	ND	1.00	--	ND	2.21	--		5
Bromomethane	ND	1.00	--	ND	3.88	--		5
Chloroethane	ND	1.00	--	ND	2.64	--		5
Ethanol	27.5	25.0	--	51.8	47.1	--		5
Vinyl bromide	ND	1.00	--	ND	4.37	--		5
Acetone	146	5.00	--	347	11.9	--		5
Trichlorofluoromethane	ND	1.00	--	ND	5.62	--		5
Isopropanol	ND	2.50	--	ND	6.15	--		5
1,1-Dichloroethene	ND	1.00	--	ND	3.96	--		5
Tertiary butyl Alcohol	ND	2.50	--	ND	7.58	--		5
Methylene chloride	ND	2.50	--	ND	8.69	--		5
3-Chloropropene	ND	1.00	--	ND	3.13	--		5
Carbon disulfide	ND	1.00	--	ND	3.11	--		5
Freon-113	ND	1.00	--	ND	7.66	--		5
trans-1,2-Dichloroethene	ND	1.00	--	ND	3.96	--		5
1,1-Dichloroethane	ND	1.00	--	ND	4.05	--		5
Methyl tert butyl ether	ND	1.00	--	ND	3.61	--		5
2-Butanone	421	2.50	--	1240	7.37	--		5
cis-1,2-Dichloroethene	ND	1.00	--	ND	3.96	--		5

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1816192
Report Date: 05/10/18

SAMPLE RESULTS

Lab ID: L1816192-04 D
Client ID: SV-4
Sample Location: EAST HARLEM, NY

Date Collected: 05/04/18 13:12
Date Received: 05/04/18
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	2.50	--	ND	9.01	--		5
Chloroform	1.23	1.00	--	6.01	4.88	--		5
Tetrahydrofuran	ND	2.50	--	ND	7.37	--		5
1,2-Dichloroethane	ND	1.00	--	ND	4.05	--		5
n-Hexane	ND	1.00	--	ND	3.52	--		5
1,1,1-Trichloroethane	ND	1.00	--	ND	5.46	--		5
Benzene	ND	1.00	--	ND	3.19	--		5
Carbon tetrachloride	ND	1.00	--	ND	6.29	--		5
Cyclohexane	ND	1.00	--	ND	3.44	--		5
1,2-Dichloropropane	ND	1.00	--	ND	4.62	--		5
Bromodichloromethane	ND	1.00	--	ND	6.70	--		5
1,4-Dioxane	ND	1.00	--	ND	3.60	--		5
Trichloroethene	ND	1.00	--	ND	5.37	--		5
2,2,4-Trimethylpentane	ND	1.00	--	ND	4.67	--		5
Heptane	ND	1.00	--	ND	4.10	--		5
cis-1,3-Dichloropropene	ND	1.00	--	ND	4.54	--		5
4-Methyl-2-pentanone	ND	2.50	--	ND	10.2	--		5
trans-1,3-Dichloropropene	ND	1.00	--	ND	4.54	--		5
1,1,2-Trichloroethane	ND	1.00	--	ND	5.46	--		5
Toluene	ND	1.00	--	ND	3.77	--		5
2-Hexanone	26.2	1.00	--	107	4.10	--		5
Dibromochloromethane	ND	1.00	--	ND	8.52	--		5
1,2-Dibromoethane	ND	1.00	--	ND	7.69	--		5
Tetrachloroethene	1.50	1.00	--	10.2	6.78	--		5
Chlorobenzene	ND	1.00	--	ND	4.61	--		5
Ethylbenzene	ND	1.00	--	ND	4.34	--		5

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1816192
Report Date: 05/10/18

SAMPLE RESULTS

Lab ID: L1816192-04 D
Client ID: SV-4
Sample Location: EAST HARLEM, NY

Date Collected: 05/04/18 13:12
Date Received: 05/04/18
Field Prep: Not Specified

Sample Depth:

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	3.44	2.00	--	14.9	8.69	--		5
Bromoform	ND	1.00	--	ND	10.3	--		5
Styrene	ND	1.00	--	ND	4.26	--		5
1,1,2,2-Tetrachloroethane	ND	1.00	--	ND	6.87	--		5
o-Xylene	1.54	1.00	--	6.69	4.34	--		5
4-Ethyltoluene	ND	1.00	--	ND	4.92	--		5
1,3,5-Trimethylbenzene	ND	1.00	--	ND	4.92	--		5
1,2,4-Trimethylbenzene	3.63	1.00	--	17.8	4.92	--		5
Benzyl chloride	ND	1.00	--	ND	5.18	--		5
1,3-Dichlorobenzene	ND	1.00	--	ND	6.01	--		5
1,4-Dichlorobenzene	ND	1.00	--	ND	6.01	--		5
1,2-Dichlorobenzene	ND	1.00	--	ND	6.01	--		5
1,2,4-Trichlorobenzene	ND	1.00	--	ND	7.42	--		5
Hexachlorobutadiene	ND	1.00	--	ND	10.7	--		5

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	69		60-140
Bromochloromethane	64		60-140
chlorobenzene-d5	83		60-140

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1816192
Report Date: 05/10/18

SAMPLE RESULTS

Lab ID: L1816192-05 D
Client ID: SV-5
Sample Location: EAST HARLEM, NY

Date Collected: 05/04/18 13:09
Date Received: 05/04/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 05/10/18 01:56
Analyst: MB

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	2.00	--	ND	9.89	--		10
Chloromethane	ND	2.00	--	ND	4.13	--		10
Freon-114	ND	2.00	--	ND	14.0	--		10
Vinyl chloride	ND	2.00	--	ND	5.11	--		10
1,3-Butadiene	ND	2.00	--	ND	4.42	--		10
Bromomethane	ND	2.00	--	ND	7.77	--		10
Chloroethane	ND	2.00	--	ND	5.28	--		10
Ethanol	58.8	50.0	--	111	94.2	--		10
Vinyl bromide	ND	2.00	--	ND	8.74	--		10
Acetone	232	10.0	--	551	23.8	--		10
Trichlorofluoromethane	ND	2.00	--	ND	11.2	--		10
Isopropanol	ND	5.00	--	ND	12.3	--		10
1,1-Dichloroethene	ND	2.00	--	ND	7.93	--		10
Tertiary butyl Alcohol	ND	5.00	--	ND	15.2	--		10
Methylene chloride	ND	5.00	--	ND	17.4	--		10
3-Chloropropene	ND	2.00	--	ND	6.26	--		10
Carbon disulfide	ND	2.00	--	ND	6.23	--		10
Freon-113	ND	2.00	--	ND	15.3	--		10
trans-1,2-Dichloroethene	ND	2.00	--	ND	7.93	--		10
1,1-Dichloroethane	ND	2.00	--	ND	8.09	--		10
Methyl tert butyl ether	ND	2.00	--	ND	7.21	--		10
2-Butanone	581	5.00	--	1710	14.7	--		10
cis-1,2-Dichloroethene	ND	2.00	--	ND	7.93	--		10

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1816192
Report Date: 05/10/18

SAMPLE RESULTS

Lab ID: L1816192-05 D
Client ID: SV-5
Sample Location: EAST HARLEM, NY

Date Collected: 05/04/18 13:09
Date Received: 05/04/18
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	5.00	--	ND	18.0	--		10
Chloroform	ND	2.00	--	ND	9.77	--		10
Tetrahydrofuran	ND	5.00	--	ND	14.7	--		10
1,2-Dichloroethane	ND	2.00	--	ND	8.09	--		10
n-Hexane	5.86	2.00	--	20.7	7.05	--		10
1,1,1-Trichloroethane	ND	2.00	--	ND	10.9	--		10
Benzene	ND	2.00	--	ND	6.39	--		10
Carbon tetrachloride	ND	2.00	--	ND	12.6	--		10
Cyclohexane	ND	2.00	--	ND	6.88	--		10
1,2-Dichloropropane	ND	2.00	--	ND	9.24	--		10
Bromodichloromethane	ND	2.00	--	ND	13.4	--		10
1,4-Dioxane	ND	2.00	--	ND	7.21	--		10
Trichloroethene	ND	2.00	--	ND	10.7	--		10
2,2,4-Trimethylpentane	ND	2.00	--	ND	9.34	--		10
Heptane	3.38	2.00	--	13.9	8.20	--		10
cis-1,3-Dichloropropene	ND	2.00	--	ND	9.08	--		10
4-Methyl-2-pentanone	ND	5.00	--	ND	20.5	--		10
trans-1,3-Dichloropropene	ND	2.00	--	ND	9.08	--		10
1,1,2-Trichloroethane	ND	2.00	--	ND	10.9	--		10
Toluene	ND	2.00	--	ND	7.54	--		10
2-Hexanone	47.3	2.00	--	194	8.20	--		10
Dibromochloromethane	ND	2.00	--	ND	17.0	--		10
1,2-Dibromoethane	ND	2.00	--	ND	15.4	--		10
Tetrachloroethene	ND	2.00	--	ND	13.6	--		10
Chlorobenzene	ND	2.00	--	ND	9.21	--		10
Ethylbenzene	ND	2.00	--	ND	8.69	--		10

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1816192
Report Date: 05/10/18

SAMPLE RESULTS

Lab ID: L1816192-05 D
Client ID: SV-5
Sample Location: EAST HARLEM, NY

Date Collected: 05/04/18 13:09
Date Received: 05/04/18
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	ND	4.00	--	ND	17.4	--		10
Bromoform	ND	2.00	--	ND	20.7	--		10
Styrene	ND	2.00	--	ND	8.52	--		10
1,1,2,2-Tetrachloroethane	ND	2.00	--	ND	13.7	--		10
o-Xylene	ND	2.00	--	ND	8.69	--		10
4-Ethyltoluene	ND	2.00	--	ND	9.83	--		10
1,3,5-Trimethylbenzene	ND	2.00	--	ND	9.83	--		10
1,2,4-Trimethylbenzene	ND	2.00	--	ND	9.83	--		10
Benzyl chloride	ND	2.00	--	ND	10.4	--		10
1,3-Dichlorobenzene	ND	2.00	--	ND	12.0	--		10
1,4-Dichlorobenzene	ND	2.00	--	ND	12.0	--		10
1,2-Dichlorobenzene	ND	2.00	--	ND	12.0	--		10
1,2,4-Trichlorobenzene	ND	2.00	--	ND	14.8	--		10
Hexachlorobutadiene	ND	2.00	--	ND	21.3	--		10

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	84		60-140
Bromochloromethane	89		60-140
chlorobenzene-d5	82		60-140

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1816192
Report Date: 05/10/18

SAMPLE RESULTS

Lab ID: L1816192-06 D
Client ID: SV-6
Sample Location: EAST HARLEM, NY

Date Collected: 05/04/18 12:55
Date Received: 05/04/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 05/10/18 02:28
Analyst: MB

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	2.02	--	ND	9.99	--		10.11
Chloromethane	ND	2.02	--	ND	4.17	--		10.11
Freon-114	ND	2.02	--	ND	14.1	--		10.11
Vinyl chloride	ND	2.02	--	ND	5.16	--		10.11
1,3-Butadiene	ND	2.02	--	ND	4.47	--		10.11
Bromomethane	ND	2.02	--	ND	7.84	--		10.11
Chloroethane	ND	2.02	--	ND	5.33	--		10.11
Ethanol	ND	50.6	--	ND	95.3	--		10.11
Vinyl bromide	ND	2.02	--	ND	8.83	--		10.11
Acetone	346	10.1	--	822	24.0	--		10.11
Trichlorofluoromethane	ND	2.02	--	ND	11.4	--		10.11
Isopropanol	ND	5.06	--	ND	12.4	--		10.11
1,1-Dichloroethene	ND	2.02	--	ND	8.01	--		10.11
Tertiary butyl Alcohol	ND	5.06	--	ND	15.3	--		10.11
Methylene chloride	ND	5.06	--	ND	17.6	--		10.11
3-Chloropropene	ND	2.02	--	ND	6.32	--		10.11
Carbon disulfide	ND	2.02	--	ND	6.29	--		10.11
Freon-113	ND	2.02	--	ND	15.5	--		10.11
trans-1,2-Dichloroethene	ND	2.02	--	ND	8.01	--		10.11
1,1-Dichloroethane	ND	2.02	--	ND	8.18	--		10.11
Methyl tert butyl ether	ND	2.02	--	ND	7.28	--		10.11
2-Butanone	903	5.06	--	2660	14.9	--		10.11
cis-1,2-Dichloroethene	ND	2.02	--	ND	8.01	--		10.11

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1816192
Report Date: 05/10/18

SAMPLE RESULTS

Lab ID: L1816192-06 D
Client ID: SV-6
Sample Location: EAST HARLEM, NY

Date Collected: 05/04/18 12:55
Date Received: 05/04/18
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	5.06	--	ND	18.2	--		10.11
Chloroform	26.3	2.02	--	128	9.86	--		10.11
Tetrahydrofuran	ND	5.06	--	ND	14.9	--		10.11
1,2-Dichloroethane	ND	2.02	--	ND	8.18	--		10.11
n-Hexane	ND	2.02	--	ND	7.12	--		10.11
1,1,1-Trichloroethane	ND	2.02	--	ND	11.0	--		10.11
Benzene	ND	2.02	--	ND	6.45	--		10.11
Carbon tetrachloride	ND	2.02	--	ND	12.7	--		10.11
Cyclohexane	ND	2.02	--	ND	6.95	--		10.11
1,2-Dichloropropane	ND	2.02	--	ND	9.34	--		10.11
Bromodichloromethane	ND	2.02	--	ND	13.5	--		10.11
1,4-Dioxane	ND	2.02	--	ND	7.28	--		10.11
Trichloroethene	ND	2.02	--	ND	10.9	--		10.11
2,2,4-Trimethylpentane	ND	2.02	--	ND	9.43	--		10.11
Heptane	ND	2.02	--	ND	8.28	--		10.11
cis-1,3-Dichloropropene	ND	2.02	--	ND	9.17	--		10.11
4-Methyl-2-pentanone	ND	5.06	--	ND	20.7	--		10.11
trans-1,3-Dichloropropene	ND	2.02	--	ND	9.17	--		10.11
1,1,2-Trichloroethane	ND	2.02	--	ND	11.0	--		10.11
Toluene	ND	2.02	--	ND	7.61	--		10.11
2-Hexanone	90.5	2.02	--	371	8.28	--		10.11
Dibromochloromethane	ND	2.02	--	ND	17.2	--		10.11
1,2-Dibromoethane	ND	2.02	--	ND	15.5	--		10.11
Tetrachloroethene	3.60	2.02	--	24.4	13.7	--		10.11
Chlorobenzene	ND	2.02	--	ND	9.30	--		10.11
Ethylbenzene	ND	2.02	--	ND	8.77	--		10.11

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1816192
Report Date: 05/10/18

SAMPLE RESULTS

Lab ID: L1816192-06 D
Client ID: SV-6
Sample Location: EAST HARLEM, NY

Date Collected: 05/04/18 12:55
Date Received: 05/04/18
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	ND	4.04	--	ND	17.5	--		10.11
Bromoform	ND	2.02	--	ND	20.9	--		10.11
Styrene	ND	2.02	--	ND	8.60	--		10.11
1,1,2,2-Tetrachloroethane	ND	2.02	--	ND	13.9	--		10.11
o-Xylene	ND	2.02	--	ND	8.77	--		10.11
4-Ethyltoluene	ND	2.02	--	ND	9.93	--		10.11
1,3,5-Trimethylbenzene	ND	2.02	--	ND	9.93	--		10.11
1,2,4-Trimethylbenzene	ND	2.02	--	ND	9.93	--		10.11
Benzyl chloride	ND	2.02	--	ND	10.5	--		10.11
1,3-Dichlorobenzene	ND	2.02	--	ND	12.1	--		10.11
1,4-Dichlorobenzene	ND	2.02	--	ND	12.1	--		10.11
1,2-Dichlorobenzene	ND	2.02	--	ND	12.1	--		10.11
1,2,4-Trichlorobenzene	ND	2.02	--	ND	15.0	--		10.11
Hexachlorobutadiene	ND	2.02	--	ND	21.5	--		10.11

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	89		60-140
Bromochloromethane	93		60-140
chlorobenzene-d5	91		60-140

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1816192
Report Date: 05/10/18

SAMPLE RESULTS

Lab ID: L1816192-07 D
Client ID: SV-7
Sample Location: EAST HARLEM, NY

Date Collected: 05/04/18 13:13
Date Received: 05/04/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 05/08/18 20:34
Analyst: RY

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	1.00	--	ND	4.94	--		5
Chloromethane	ND	1.00	--	ND	2.07	--		5
Freon-114	ND	1.00	--	ND	6.99	--		5
Vinyl chloride	ND	1.00	--	ND	2.56	--		5
1,3-Butadiene	ND	1.00	--	ND	2.21	--		5
Bromomethane	ND	1.00	--	ND	3.88	--		5
Chloroethane	ND	1.00	--	ND	2.64	--		5
Ethanol	26.6	25.0	--	50.1	47.1	--		5
Vinyl bromide	ND	1.00	--	ND	4.37	--		5
Acetone	108	5.00	--	257	11.9	--		5
Trichlorofluoromethane	ND	1.00	--	ND	5.62	--		5
Isopropanol	ND	2.50	--	ND	6.15	--		5
1,1-Dichloroethene	ND	1.00	--	ND	3.96	--		5
Tertiary butyl Alcohol	ND	2.50	--	ND	7.58	--		5
Methylene chloride	ND	2.50	--	ND	8.69	--		5
3-Chloropropene	ND	1.00	--	ND	3.13	--		5
Carbon disulfide	ND	1.00	--	ND	3.11	--		5
Freon-113	ND	1.00	--	ND	7.66	--		5
trans-1,2-Dichloroethene	ND	1.00	--	ND	3.96	--		5
1,1-Dichloroethane	ND	1.00	--	ND	4.05	--		5
Methyl tert butyl ether	ND	1.00	--	ND	3.61	--		5
2-Butanone	474	2.50	--	1400	7.37	--		5
cis-1,2-Dichloroethene	ND	1.00	--	ND	3.96	--		5

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1816192
Report Date: 05/10/18

SAMPLE RESULTS

Lab ID: L1816192-07 D
Client ID: SV-7
Sample Location: EAST HARLEM, NY

Date Collected: 05/04/18 13:13
Date Received: 05/04/18
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	2.50	--	ND	9.01	--		5
Chloroform	1.10	1.00	--	5.37	4.88	--		5
Tetrahydrofuran	ND	2.50	--	ND	7.37	--		5
1,2-Dichloroethane	ND	1.00	--	ND	4.05	--		5
n-Hexane	ND	1.00	--	ND	3.52	--		5
1,1,1-Trichloroethane	ND	1.00	--	ND	5.46	--		5
Benzene	ND	1.00	--	ND	3.19	--		5
Carbon tetrachloride	ND	1.00	--	ND	6.29	--		5
Cyclohexane	ND	1.00	--	ND	3.44	--		5
1,2-Dichloropropane	ND	1.00	--	ND	4.62	--		5
Bromodichloromethane	ND	1.00	--	ND	6.70	--		5
1,4-Dioxane	ND	1.00	--	ND	3.60	--		5
Trichloroethene	ND	1.00	--	ND	5.37	--		5
2,2,4-Trimethylpentane	ND	1.00	--	ND	4.67	--		5
Heptane	ND	1.00	--	ND	4.10	--		5
cis-1,3-Dichloropropene	ND	1.00	--	ND	4.54	--		5
4-Methyl-2-pentanone	ND	2.50	--	ND	10.2	--		5
trans-1,3-Dichloropropene	ND	1.00	--	ND	4.54	--		5
1,1,2-Trichloroethane	ND	1.00	--	ND	5.46	--		5
Toluene	1.46	1.00	--	5.50	3.77	--		5
2-Hexanone	36.5	1.00	--	150	4.10	--		5
Dibromochloromethane	ND	1.00	--	ND	8.52	--		5
1,2-Dibromoethane	ND	1.00	--	ND	7.69	--		5
Tetrachloroethene	1.28	1.00	--	8.68	6.78	--		5
Chlorobenzene	ND	1.00	--	ND	4.61	--		5
Ethylbenzene	1.02	1.00	--	4.43	4.34	--		5

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1816192
Report Date: 05/10/18

SAMPLE RESULTS

Lab ID: L1816192-07 D
Client ID: SV-7
Sample Location: EAST HARLEM, NY

Date Collected: 05/04/18 13:13
Date Received: 05/04/18
Field Prep: Not Specified

Sample Depth:

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	3.78	2.00	--	16.4	8.69	--		5
Bromoform	ND	1.00	--	ND	10.3	--		5
Styrene	ND	1.00	--	ND	4.26	--		5
1,1,2,2-Tetrachloroethane	ND	1.00	--	ND	6.87	--		5
o-Xylene	1.72	1.00	--	7.47	4.34	--		5
4-Ethyltoluene	ND	1.00	--	ND	4.92	--		5
1,3,5-Trimethylbenzene	ND	1.00	--	ND	4.92	--		5
1,2,4-Trimethylbenzene	3.76	1.00	--	18.5	4.92	--		5
Benzyl chloride	ND	1.00	--	ND	5.18	--		5
1,3-Dichlorobenzene	ND	1.00	--	ND	6.01	--		5
1,4-Dichlorobenzene	ND	1.00	--	ND	6.01	--		5
1,2-Dichlorobenzene	ND	1.00	--	ND	6.01	--		5
1,2,4-Trichlorobenzene	ND	1.00	--	ND	7.42	--		5
Hexachlorobutadiene	ND	1.00	--	ND	10.7	--		5

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	71		60-140
Bromochloromethane	63		60-140
chlorobenzene-d5	81		60-140

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1816192
Report Date: 05/10/18

SAMPLE RESULTS

Lab ID: L1816192-08 D
Client ID: SV-8
Sample Location: EAST HARLEM, NY

Date Collected: 05/04/18 13:10
Date Received: 05/04/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 05/10/18 03:01
Analyst: MB

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	2.00	--	ND	9.89	--		10
Chloromethane	ND	2.00	--	ND	4.13	--		10
Freon-114	ND	2.00	--	ND	14.0	--		10
Vinyl chloride	ND	2.00	--	ND	5.11	--		10
1,3-Butadiene	ND	2.00	--	ND	4.42	--		10
Bromomethane	ND	2.00	--	ND	7.77	--		10
Chloroethane	ND	2.00	--	ND	5.28	--		10
Ethanol	64.7	50.0	--	122	94.2	--		10
Vinyl bromide	ND	2.00	--	ND	8.74	--		10
Acetone	204	10.0	--	485	23.8	--		10
Trichlorofluoromethane	ND	2.00	--	ND	11.2	--		10
Isopropanol	ND	5.00	--	ND	12.3	--		10
1,1-Dichloroethene	ND	2.00	--	ND	7.93	--		10
Tertiary butyl Alcohol	ND	5.00	--	ND	15.2	--		10
Methylene chloride	ND	5.00	--	ND	17.4	--		10
3-Chloropropene	ND	2.00	--	ND	6.26	--		10
Carbon disulfide	ND	2.00	--	ND	6.23	--		10
Freon-113	ND	2.00	--	ND	15.3	--		10
trans-1,2-Dichloroethene	ND	2.00	--	ND	7.93	--		10
1,1-Dichloroethane	ND	2.00	--	ND	8.09	--		10
Methyl tert butyl ether	ND	2.00	--	ND	7.21	--		10
2-Butanone	685	5.00	--	2020	14.7	--		10
cis-1,2-Dichloroethene	ND	2.00	--	ND	7.93	--		10

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1816192
Report Date: 05/10/18

SAMPLE RESULTS

Lab ID: L1816192-08 D
Client ID: SV-8
Sample Location: EAST HARLEM, NY

Date Collected: 05/04/18 13:10
Date Received: 05/04/18
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	5.00	--	ND	18.0	--		10
Chloroform	16.1	2.00	--	78.6	9.77	--		10
Tetrahydrofuran	ND	5.00	--	ND	14.7	--		10
1,2-Dichloroethane	ND	2.00	--	ND	8.09	--		10
n-Hexane	ND	2.00	--	ND	7.05	--		10
1,1,1-Trichloroethane	ND	2.00	--	ND	10.9	--		10
Benzene	ND	2.00	--	ND	6.39	--		10
Carbon tetrachloride	ND	2.00	--	ND	12.6	--		10
Cyclohexane	ND	2.00	--	ND	6.88	--		10
1,2-Dichloropropane	ND	2.00	--	ND	9.24	--		10
Bromodichloromethane	ND	2.00	--	ND	13.4	--		10
1,4-Dioxane	ND	2.00	--	ND	7.21	--		10
Trichloroethene	ND	2.00	--	ND	10.7	--		10
2,2,4-Trimethylpentane	ND	2.00	--	ND	9.34	--		10
Heptane	ND	2.00	--	ND	8.20	--		10
cis-1,3-Dichloropropene	ND	2.00	--	ND	9.08	--		10
4-Methyl-2-pentanone	ND	5.00	--	ND	20.5	--		10
trans-1,3-Dichloropropene	ND	2.00	--	ND	9.08	--		10
1,1,2-Trichloroethane	ND	2.00	--	ND	10.9	--		10
Toluene	ND	2.00	--	ND	7.54	--		10
2-Hexanone	70.1	2.00	--	287	8.20	--		10
Dibromochloromethane	ND	2.00	--	ND	17.0	--		10
1,2-Dibromoethane	ND	2.00	--	ND	15.4	--		10
Tetrachloroethene	ND	2.00	--	ND	13.6	--		10
Chlorobenzene	ND	2.00	--	ND	9.21	--		10
Ethylbenzene	ND	2.00	--	ND	8.69	--		10

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1816192
Report Date: 05/10/18

SAMPLE RESULTS

Lab ID: L1816192-08 D
Client ID: SV-8
Sample Location: EAST HARLEM, NY

Date Collected: 05/04/18 13:10
Date Received: 05/04/18
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	ND	4.00	--	ND	17.4	--		10
Bromoform	ND	2.00	--	ND	20.7	--		10
Styrene	ND	2.00	--	ND	8.52	--		10
1,1,2,2-Tetrachloroethane	ND	2.00	--	ND	13.7	--		10
o-Xylene	ND	2.00	--	ND	8.69	--		10
4-Ethyltoluene	ND	2.00	--	ND	9.83	--		10
1,3,5-Trimethylbenzene	ND	2.00	--	ND	9.83	--		10
1,2,4-Trimethylbenzene	ND	2.00	--	ND	9.83	--		10
Benzyl chloride	ND	2.00	--	ND	10.4	--		10
1,3-Dichlorobenzene	ND	2.00	--	ND	12.0	--		10
1,4-Dichlorobenzene	ND	2.00	--	ND	12.0	--		10
1,2-Dichlorobenzene	ND	2.00	--	ND	12.0	--		10
1,2,4-Trichlorobenzene	ND	2.00	--	ND	14.8	--		10
Hexachlorobutadiene	ND	2.00	--	ND	21.3	--		10

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	85		60-140
Bromochloromethane	89		60-140
chlorobenzene-d5	84		60-140

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1816192
Report Date: 05/10/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 05/08/18 14:16

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-04,07 Batch: WG1113751-4								
Propylene	ND	0.500	--	ND	0.861	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1816192
Report Date: 05/10/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 05/08/18 14:16

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-04,07 Batch: WG1113751-4								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1816192
Report Date: 05/10/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 05/08/18 14:16

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-04,07 Batch: WG1113751-4								
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1816192
Report Date: 05/10/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 05/09/18 16:47

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 05-06,08 Batch: WG1114222-4								
Propylene	ND	0.500	--	ND	0.861	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1816192
Report Date: 05/10/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 05/09/18 16:47

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 05-06,08 Batch: WG1114222-4								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000
Lab Number: L1816192
Report Date: 05/10/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 05/09/18 16:47

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 05-06,08 Batch: WG1114222-4								
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Lab Control Sample Analysis
Batch Quality Control

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1816192
Report Date: 05/10/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-04,07 Batch: WG1113751-3								
Chlorodifluoromethane	80		-		70-130	-		
Propylene	94		-		70-130	-		
Propane	74		-		70-130	-		
Dichlorodifluoromethane	92		-		70-130	-		
Chloromethane	86		-		70-130	-		
1,2-Dichloro-1,1,2,2-tetrafluoroethane	100		-		70-130	-		
Methanol	81		-		70-130	-		
Vinyl chloride	94		-		70-130	-		
1,3-Butadiene	103		-		70-130	-		
Butane	73		-		70-130	-		
Bromomethane	95		-		70-130	-		
Chloroethane	109		-		70-130	-		
Ethyl Alcohol	82		-		70-130	-		
Dichlorofluoromethane	78		-		70-130	-		
Vinyl bromide	94		-		70-130	-		
Acrolein	86		-		70-130	-		
Acetone	82		-		70-130	-		
Acetonitrile	74		-		70-130	-		
Trichlorofluoromethane	85		-		70-130	-		
iso-Propyl Alcohol	72		-		70-130	-		
Acrylonitrile	85		-		70-130	-		
Pentane	73		-		70-130	-		
Ethyl ether	76		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: SENDERO VERDE

Project Number: 2984.0001Y000

Lab Number: L1816192

Report Date: 05/10/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-04,07 Batch: WG1113751-3								
1,1-Dichloroethene	88		-		70-130	-		
tert-Butyl Alcohol	80		-		70-130	-		
Methylene chloride	84		-		70-130	-		
3-Chloropropene	101		-		70-130	-		
Carbon disulfide	102		-		70-130	-		
1,1,2-Trichloro-1,2,2-Trifluoroethane	99		-		70-130	-		
trans-1,2-Dichloroethene	100		-		70-130	-		
1,1-Dichloroethane	96		-		70-130	-		
Methyl tert butyl ether	96		-		70-130	-		
Vinyl acetate	111		-		70-130	-		
2-Butanone	93		-		70-130	-		
cis-1,2-Dichloroethene	95		-		70-130	-		
Ethyl Acetate	100		-		70-130	-		
Chloroform	102		-		70-130	-		
Tetrahydrofuran	89		-		70-130	-		
2,2-Dichloropropane	91		-		70-130	-		
1,2-Dichloroethane	88		-		70-130	-		
n-Hexane	98		-		70-130	-		
Isopropyl Ether	83		-		70-130	-		
Ethyl-Tert-Butyl-Ether	74		-		70-130	-		
1,1,1-Trichloroethane	97		-		70-130	-		
1,1-Dichloropropene	92		-		70-130	-		
Benzene	96		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: SENDERO VERDE

Project Number: 2984.0001Y000

Lab Number: L1816192

Report Date: 05/10/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-04,07 Batch: WG1113751-3								
Carbon tetrachloride	99		-		70-130	-		
Cyclohexane	102		-		70-130	-		
Tertiary-Amyl Methyl Ether	79		-		70-130	-		
Dibromomethane	85		-		70-130	-		
1,2-Dichloropropane	86		-		70-130	-		
Bromodichloromethane	106		-		70-130	-		
1,4-Dioxane	101		-		70-130	-		
Trichloroethene	97		-		70-130	-		
2,2,4-Trimethylpentane	102		-		70-130	-		
Methyl Methacrylate	98		-		70-130	-		
Heptane	88		-		70-130	-		
cis-1,3-Dichloropropene	101		-		70-130	-		
4-Methyl-2-pentanone	92		-		70-130	-		
trans-1,3-Dichloropropene	86		-		70-130	-		
1,1,2-Trichloroethane	96		-		70-130	-		
Toluene	100		-		70-130	-		
1,3-Dichloropropane	96		-		70-130	-		
2-Hexanone	99		-		70-130	-		
Dibromochloromethane	122		-		70-130	-		
1,2-Dibromoethane	108		-		70-130	-		
Butyl Acetate	100		-		70-130	-		
Octane	100		-		70-130	-		
Tetrachloroethene	105		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: SENDERO VERDE

Project Number: 2984.0001Y000

Lab Number: L1816192

Report Date: 05/10/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-04,07 Batch: WG1113751-3								
1,1,1,2-Tetrachloroethane	104		-		70-130	-		
Chlorobenzene	109		-		70-130	-		
Ethylbenzene	103		-		70-130	-		
p/m-Xylene	102		-		70-130	-		
Bromoform	128		-		70-130	-		
Styrene	105		-		70-130	-		
1,1,2,2-Tetrachloroethane	108		-		70-130	-		
o-Xylene	105		-		70-130	-		
1,2,3-Trichloropropane	95		-		70-130	-		
Nonane (C9)	88		-		70-130	-		
Isopropylbenzene	105		-		70-130	-		
Bromobenzene	99		-		70-130	-		
o-Chlorotoluene	99		-		70-130	-		
n-Propylbenzene	97		-		70-130	-		
p-Chlorotoluene	95		-		70-130	-		
4-Ethyltoluene	108		-		70-130	-		
1,3,5-Trimethylbenzene	104		-		70-130	-		
tert-Butylbenzene	99		-		70-130	-		
1,2,4-Trimethylbenzene	106		-		70-130	-		
Decane (C10)	97		-		70-130	-		
Benzyl chloride	108		-		70-130	-		
1,3-Dichlorobenzene	104		-		70-130	-		
1,4-Dichlorobenzene	98		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1816192
Report Date: 05/10/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-04,07 Batch: WG1113751-3								
sec-Butylbenzene	98		-		70-130	-		
p-Isopropyltoluene	93		-		70-130	-		
1,2-Dichlorobenzene	102		-		70-130	-		
n-Butylbenzene	95		-		70-130	-		
1,2-Dibromo-3-chloropropane	97		-		70-130	-		
Undecane	100		-		70-130	-		
Dodecane (C12)	101		-		70-130	-		
1,2,4-Trichlorobenzene	94		-		70-130	-		
Naphthalene	90		-		70-130	-		
1,2,3-Trichlorobenzene	97		-		70-130	-		
Hexachlorobutadiene	106		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: SENDERO VERDE

Project Number: 2984.0001Y000

Lab Number: L1816192

Report Date: 05/10/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 05-06,08 Batch: WG1114222-3								
Chlorodifluoromethane	86		-		70-130	-		
Propylene	109		-		70-130	-		
Propane	92		-		70-130	-		
Dichlorodifluoromethane	78		-		70-130	-		
Chloromethane	102		-		70-130	-		
1,2-Dichloro-1,1,2,2-tetrafluoroethane	92		-		70-130	-		
Methanol	124		-		70-130	-		
Vinyl chloride	96		-		70-130	-		
1,3-Butadiene	112		-		70-130	-		
Butane	103		-		70-130	-		
Bromomethane	87		-		70-130	-		
Chloroethane	92		-		70-130	-		
Ethyl Alcohol	126		-		70-130	-		
Dichlorofluoromethane	96		-		70-130	-		
Vinyl bromide	84		-		70-130	-		
Acrolein	82		-		70-130	-		
Acetone	129		-		70-130	-		
Acetonitrile	95		-		70-130	-		
Trichlorofluoromethane	91		-		70-130	-		
iso-Propyl Alcohol	92		-		70-130	-		
Acrylonitrile	86		-		70-130	-		
Pentane	83		-		70-130	-		
Ethyl ether	94		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: SENDERO VERDE

Project Number: 2984.0001Y000

Lab Number: L1816192

Report Date: 05/10/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 05-06,08 Batch: WG1114222-3								
1,1-Dichloroethene	86		-		70-130	-		
tert-Butyl Alcohol	78		-		70-130	-		
Methylene chloride	94		-		70-130	-		
3-Chloropropene	102		-		70-130	-		
Carbon disulfide	82		-		70-130	-		
1,1,2-Trichloro-1,2,2-Trifluoroethane	78		-		70-130	-		
trans-1,2-Dichloroethene	85		-		70-130	-		
1,1-Dichloroethane	82		-		70-130	-		
Methyl tert butyl ether	82		-		70-130	-		
Vinyl acetate	100		-		70-130	-		
2-Butanone	101		-		70-130	-		
cis-1,2-Dichloroethene	84		-		70-130	-		
Ethyl Acetate	96		-		70-130	-		
Chloroform	84		-		70-130	-		
Tetrahydrofuran	100		-		70-130	-		
2,2-Dichloropropane	77		-		70-130	-		
1,2-Dichloroethane	91		-		70-130	-		
n-Hexane	104		-		70-130	-		
Isopropyl Ether	91		-		70-130	-		
Ethyl-Tert-Butyl-Ether	98		-		70-130	-		
1,1,1-Trichloroethane	100		-		70-130	-		
1,1-Dichloropropene	94		-		70-130	-		
Benzene	96		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1816192
Report Date: 05/10/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 05-06,08 Batch: WG1114222-3								
Carbon tetrachloride	97		-		70-130	-		
Cyclohexane	107		-		70-130	-		
Tertiary-Amyl Methyl Ether	86		-		70-130	-		
Dibromomethane	95		-		70-130	-		
1,2-Dichloropropane	102		-		70-130	-		
Bromodichloromethane	110		-		70-130	-		
1,4-Dioxane	105		-		70-130	-		
Trichloroethene	89		-		70-130	-		
2,2,4-Trimethylpentane	113		-		70-130	-		
Methyl Methacrylate	**142**	Q	-		70-130	-		
Heptane	119		-		70-130	-		
cis-1,3-Dichloropropene	105		-		70-130	-		
4-Methyl-2-pentanone	130		-		70-130	-		
trans-1,3-Dichloropropene	90		-		70-130	-		
1,1,2-Trichloroethane	99		-		70-130	-		
Toluene	76		-		70-130	-		
1,3-Dichloropropane	75		-		70-130	-		
2-Hexanone	107		-		70-130	-		
Dibromochloromethane	84		-		70-130	-		
1,2-Dibromoethane	76		-		70-130	-		
Butyl Acetate	75		-		70-130	-		
Tetrachloroethene	71		-		70-130	-		
1,1,1,2-Tetrachloroethane	71		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: SENDERO VERDE

Project Number: 2984.0001Y000

Lab Number: L1816192

Report Date: 05/10/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 05-06,08 Batch: WG1114222-3								
Chlorobenzene	74		-		70-130	-		
Ethylbenzene	78		-		70-130	-		
p/m-Xylene	78		-		70-130	-		
Bromoform	81		-		70-130	-		
Styrene	74		-		70-130	-		
1,1,2,2-Tetrachloroethane	88		-		70-130	-		
o-Xylene	83		-		70-130	-		
1,2,3-Trichloropropane	77		-		70-130	-		
Nonane (C9)	88		-		70-130	-		
Isopropylbenzene	76		-		70-130	-		
Bromobenzene	78		-		70-130	-		
o-Chlorotoluene	70		-		70-130	-		
n-Propylbenzene	74		-		70-130	-		
p-Chlorotoluene	76		-		70-130	-		
4-Ethyltoluene	85		-		70-130	-		
1,3,5-Trimethylbenzene	74		-		70-130	-		
tert-Butylbenzene	80		-		70-130	-		
1,2,4-Trimethylbenzene	87		-		70-130	-		
Decane (C10)	86		-		70-130	-		
Benzyl chloride	92		-		70-130	-		
1,3-Dichlorobenzene	79		-		70-130	-		
1,4-Dichlorobenzene	79		-		70-130	-		
sec-Butylbenzene	81		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: SENDERO VERDE

Project Number: 2984.0001Y000

Lab Number: L1816192

Report Date: 05/10/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 05-06,08 Batch: WG1114222-3								
p-Isopropyltoluene	74		-		70-130	-		
1,2-Dichlorobenzene	78		-		70-130	-		
n-Butylbenzene	88		-		70-130	-		
1,2-Dibromo-3-chloropropane	86		-		70-130	-		
Undecane	95		-		70-130	-		
Dodecane (C12)	104		-		70-130	-		
1,2,4-Trichlorobenzene	77		-		70-130	-		
Naphthalene	73		-		70-130	-		
1,2,3-Trichlorobenzene	72		-		70-130	-		
Hexachlorobutadiene	77		-		70-130	-		

Lab Duplicate Analysis
Batch Quality Control

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1816192
Report Date: 05/10/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-04,07 QC Batch ID: WG1113751-5 QC Sample: L1816192-01 Client ID: SV-1						
Dichlorodifluoromethane	ND	ND	ppbV	NC		25
Chloromethane	ND	ND	ppbV	NC		25
Freon-114	ND	ND	ppbV	NC		25
Vinyl chloride	ND	ND	ppbV	NC		25
1,3-Butadiene	ND	ND	ppbV	NC		25
Bromomethane	ND	ND	ppbV	NC		25
Chloroethane	ND	ND	ppbV	NC		25
Ethanol	ND	ND	ppbV	NC		25
Vinyl bromide	ND	ND	ppbV	NC		25
Acetone	50.4	59.0	ppbV	16		25
Trichlorofluoromethane	ND	ND	ppbV	NC		25
Isopropanol	ND	ND	ppbV	NC		25
1,1-Dichloroethene	ND	ND	ppbV	NC		25
Tertiary butyl Alcohol	ND	ND	ppbV	NC		25
Methylene chloride	ND	ND	ppbV	NC		25
3-Chloropropene	ND	ND	ppbV	NC		25
Carbon disulfide	ND	ND	ppbV	NC		25
Freon-113	ND	ND	ppbV	NC		25
trans-1,2-Dichloroethene	ND	ND	ppbV	NC		25
1,1-Dichloroethane	ND	ND	ppbV	NC		25
Methyl tert butyl ether	ND	ND	ppbV	NC		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1816192
Report Date: 05/10/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-04,07 QC Batch ID: WG1113751-5 QC Sample: L1816192-01 Client ID: SV-1						
2-Butanone	277	322	ppbV	15		25
cis-1,2-Dichloroethene	ND	ND	ppbV	NC		25
Ethyl Acetate	ND	ND	ppbV	NC		25
Chloroform	ND	ND	ppbV	NC		25
Tetrahydrofuran	ND	2.92	ppbV	NC		25
1,2-Dichloroethane	ND	ND	ppbV	NC		25
n-Hexane	ND	ND	ppbV	NC		25
1,1,1-Trichloroethane	ND	ND	ppbV	NC		25
Benzene	ND	ND	ppbV	NC		25
Carbon tetrachloride	ND	ND	ppbV	NC		25
Cyclohexane	ND	ND	ppbV	NC		25
1,2-Dichloropropane	ND	ND	ppbV	NC		25
Bromodichloromethane	ND	ND	ppbV	NC		25
1,4-Dioxane	ND	ND	ppbV	NC		25
Trichloroethene	ND	ND	ppbV	NC		25
2,2,4-Trimethylpentane	ND	ND	ppbV	NC		25
Heptane	ND	ND	ppbV	NC		25
cis-1,3-Dichloropropene	ND	ND	ppbV	NC		25
4-Methyl-2-pentanone	ND	ND	ppbV	NC		25
trans-1,3-Dichloropropene	ND	ND	ppbV	NC		25
1,1,2-Trichloroethane	ND	ND	ppbV	NC		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1816192
Report Date: 05/10/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-04,07 QC Batch ID: WG1113751-5 QC Sample: L1816192-01 Client ID: SV-1						
Toluene	1.26	1.46	ppbV	15		25
2-Hexanone	39.2	38.0	ppbV	3		25
Dibromochloromethane	ND	ND	ppbV	NC		25
1,2-Dibromoethane	ND	ND	ppbV	NC		25
Tetrachloroethene	ND	ND	ppbV	NC		25
Chlorobenzene	ND	ND	ppbV	NC		25
Ethylbenzene	ND	1.06	ppbV	NC		25
p/m-Xylene	3.44	3.64	ppbV	6		25
Bromoform	ND	ND	ppbV	NC		25
Styrene	ND	ND	ppbV	NC		25
1,1,2,2-Tetrachloroethane	ND	ND	ppbV	NC		25
o-Xylene	1.68	1.74	ppbV	4		25
4-Ethyltoluene	ND	ND	ppbV	NC		25
1,3,5-Trimethylbenzene	ND	ND	ppbV	NC		25
1,2,4-Trimethylbenzene	3.06	3.14	ppbV	3		25
Benzyl chloride	ND	ND	ppbV	NC		25
1,3-Dichlorobenzene	ND	ND	ppbV	NC		25
1,4-Dichlorobenzene	ND	ND	ppbV	NC		25
1,2-Dichlorobenzene	ND	ND	ppbV	NC		25
1,2,4-Trichlorobenzene	ND	ND	ppbV	NC		25
Hexachlorobutadiene	ND	ND	ppbV	NC		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1816192
Report Date: 05/10/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 05-06,08 QC Batch ID: WG1114222-5 QC Sample: L1816165-01 Client ID: DUP Sample						
Dichlorodifluoromethane	0.401	0.388	ppbV	3		25
Chloromethane	0.633	0.607	ppbV	4		25
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	ND	ppbV	NC		25
1,3-Butadiene	ND	ND	ppbV	NC		25
Bromomethane	ND	ND	ppbV	NC		25
Chloroethane	ND	ND	ppbV	NC		25
Ethyl Alcohol	85.0	86.4	ppbV	2		25
Vinyl bromide	ND	ND	ppbV	NC		25
Acetone	20.6	21.0	ppbV	2		25
Trichlorofluoromethane	0.207	0.205	ppbV	1		25
iso-Propyl Alcohol	15.8	15.9	ppbV	1		25
tert-Butyl Alcohol	ND	ND	ppbV	NC		25
Methylene chloride	ND	ND	ppbV	NC		25
3-Chloropropene	ND	ND	ppbV	NC		25
Carbon disulfide	ND	ND	ppbV	NC		25
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ND	ppbV	NC		25
trans-1,2-Dichloroethene	ND	ND	ppbV	NC		25
1,1-Dichloroethane	ND	ND	ppbV	NC		25
Methyl tert butyl ether	ND	ND	ppbV	NC		25
2-Butanone	0.553	0.543	ppbV	2		25
Ethyl Acetate	0.686	0.616	ppbV	11		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1816192
Report Date: 05/10/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 05-06,08 QC Batch ID: WG1114222-5 QC Sample: L1816165-01 Client ID: DUP Sample						
Chloroform	0.406	0.395	ppbV	3		25
Tetrahydrofuran	ND	ND	ppbV	NC		25
1,2-Dichloroethane	ND	ND	ppbV	NC		25
n-Hexane	2.38	2.40	ppbV	1		25
Benzene	0.234	0.212	ppbV	10		25
Cyclohexane	ND	ND	ppbV	NC		25
1,2-Dichloropropane	ND	ND	ppbV	NC		25
Bromodichloromethane	ND	ND	ppbV	NC		25
1,4-Dioxane	ND	ND	ppbV	NC		25
2,2,4-Trimethylpentane	ND	ND	ppbV	NC		25
Heptane	0.209	ND	ppbV	NC		25
cis-1,3-Dichloropropene	ND	ND	ppbV	NC		25
4-Methyl-2-pentanone	ND	ND	ppbV	NC		25
trans-1,3-Dichloropropene	ND	ND	ppbV	NC		25
1,1,2-Trichloroethane	ND	ND	ppbV	NC		25
Toluene	0.596	0.600	ppbV	1		25
2-Hexanone	ND	ND	ppbV	NC		25
Dibromochloromethane	ND	ND	ppbV	NC		25
1,2-Dibromoethane	ND	ND	ppbV	NC		25
Chlorobenzene	ND	ND	ppbV	NC		25
Ethylbenzene	0.221	0.226	ppbV	2		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1816192
Report Date: 05/10/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 05-06,08 QC Batch ID: WG1114222-5 QC Sample: L1816165-01 Client ID: DUP Sample						
p/m-Xylene	ND	ND	ppbV	NC		25
Bromoform	ND	ND	ppbV	NC		25
Styrene	0.231	0.229	ppbV	1		25
1,1,2,2-Tetrachloroethane	ND	ND	ppbV	NC		25
o-Xylene	ND	ND	ppbV	NC		25
4-Ethyltoluene	ND	ND	ppbV	NC		25
1,3,5-Trimethylbenzene	ND	ND	ppbV	NC		25
1,2,4-Trimethylbenzene	ND	ND	ppbV	NC		25
Benzyl chloride	ND	ND	ppbV	NC		25
1,3-Dichlorobenzene	ND	ND	ppbV	NC		25
1,4-Dichlorobenzene	ND	ND	ppbV	NC		25
1,2-Dichlorobenzene	ND	ND	ppbV	NC		25
1,2,4-Trichlorobenzene	ND	ND	ppbV	NC		25
Hexachlorobutadiene	ND	ND	ppbV	NC		25

Project Name: SENDERO VERDE

Project Number: 2984.0001Y000

Lab Number: L1816192

Report Date: 05/10/18

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controler Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L1816192-01	SV-1	0079	Flow 3	05/01/18	264564		-	-	-	Pass	17.8	17.4	2
L1816192-01	SV-1	544	2.7L Can	05/01/18	264564	L1814718-02	Pass	-30.0	-7.3	-	-	-	-
L1816192-02	SV-2	0438	Flow 3	05/01/18	264564		-	-	-	Pass	17.8	17.4	2
L1816192-02	SV-2	455	2.7L Can	05/01/18	264564	L1814967-01	Pass	-29.4	-6.1	-	-	-	-
L1816192-03	SV-3	01034	Flow 4	05/01/18	264564		-	-	-	Pass	18.0	19.2	6
L1816192-03	SV-3	405	2.7L Can	05/01/18	264564	L1814718-02	Pass	-30.0	-6.3	-	-	-	-
L1816192-04	SV-4	01029	Flow 4	05/01/18	264564		-	-	-	Pass	18.0	18.3	2
L1816192-04	SV-4	233	2.7L Can	05/01/18	264564	L1814718-02	Pass	-29.8	-6.5	-	-	-	-
L1816192-05	SV-5	0273	#30 SV	05/01/18	264564		-	-	-	Pass	18.0	17.7	2
L1816192-05	SV-5	1805	2.7L CAN	05/01/18	264564	L1814718-02	Pass	-30.0	-7.1	-	-	-	-
L1816192-06	SV-6	0242	Flow 4	05/01/18	264564		-	-	-	Pass	17.9	19.0	6
L1816192-06	SV-6	379	2.7L Can	05/01/18	264564	L1814967-01	Pass	-30.0	-7.3	-	-	-	-
L1816192-07	SV-7	0289	Flow 4	05/01/18	264564		-	-	-	Pass	18.0	18.3	2
L1816192-07	SV-7	385	2.7L Can	05/01/18	264564	L1814718-02	Pass	-30.0	-7.2	-	-	-	-
L1816192-08	SV-8	0973	Flow 5	05/01/18	264564		-	-	-	Pass	18.0	18.0	0

Project Name: SENDERO VERDE

Lab Number: L1816192

Project Number: 2984.0001Y000

Report Date: 05/10/18

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controler Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L1816192-08	SV-8	2297	2.7L Can	05/01/18	264564	L1814718-02	Pass	-29.8	-5.7	-	-	-	-

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1814718
Report Date: 05/10/18

Air Canister Certification Results

Lab ID: L1814718-02
Client ID: CAN 536 SHELF 1
Sample Location:

Date Collected: 04/25/18 16:00
Date Received: 04/26/18
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 04/26/18 21:57
Analyst: MB

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1814718
Report Date: 05/10/18

Air Canister Certification Results

Lab ID: L1814718-02
Client ID: CAN 536 SHELF 1
Sample Location:

Date Collected: 04/25/18 16:00
Date Received: 04/26/18
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1814718
Report Date: 05/10/18

Air Canister Certification Results

Lab ID: L1814718-02
Client ID: CAN 536 SHELF 1
Sample Location:

Date Collected: 04/25/18 16:00
Date Received: 04/26/18
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1814718
Report Date: 05/10/18

Air Canister Certification Results

Lab ID: L1814718-02
Client ID: CAN 536 SHELF 1
Sample Location:

Date Collected: 04/25/18 16:00
Date Received: 04/26/18
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1814718
Report Date: 05/10/18

Air Canister Certification Results

Lab ID: L1814718-02
Client ID: CAN 536 SHELF 1
Sample Location:

Date Collected: 04/25/18 16:00
Date Received: 04/26/18
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	88		60-140
Bromochloromethane	94		60-140
chlorobenzene-d5	89		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1814718
Report Date: 05/10/18

Air Canister Certification Results

Lab ID: L1814718-02
Client ID: CAN 536 SHELF 1
Sample Location:

Date Collected: 04/25/18 16:00
Date Received: 04/26/18
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 04/26/18 21:57
Analyst: MB

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1814718
Report Date: 05/10/18

Air Canister Certification Results

Lab ID: L1814718-02
Client ID: CAN 536 SHELF 1
Sample Location:

Date Collected: 04/25/18 16:00
Date Received: 04/26/18
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1814718
Report Date: 05/10/18

Air Canister Certification Results

Lab ID: L1814718-02
Client ID: CAN 536 SHELF 1
Sample Location:

Date Collected: 04/25/18 16:00
Date Received: 04/26/18
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	87		60-140
bromochloromethane	95		60-140
chlorobenzene-d5	89		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1814967
Report Date: 05/10/18

Air Canister Certification Results

Lab ID: L1814967-01
Client ID: CAN 1724 SHELF 2
Sample Location:

Date Collected: 04/26/18 18:00
Date Received: 04/27/18
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 04/27/18 21:15
Analyst: GJ

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1814967
Report Date: 05/10/18

Air Canister Certification Results

Lab ID: L1814967-01
Client ID: CAN 1724 SHELF 2
Sample Location:

Date Collected: 04/26/18 18:00
Date Received: 04/27/18
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1814967
Report Date: 05/10/18

Air Canister Certification Results

Lab ID: L1814967-01
Client ID: CAN 1724 SHELF 2
Sample Location:

Date Collected: 04/26/18 18:00
Date Received: 04/27/18
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1814967
Report Date: 05/10/18

Air Canister Certification Results

Lab ID: L1814967-01
Client ID: CAN 1724 SHELF 2
Sample Location:

Date Collected: 04/26/18 18:00
Date Received: 04/27/18
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1814967
Report Date: 05/10/18

Air Canister Certification Results

Lab ID: L1814967-01
Client ID: CAN 1724 SHELF 2
Sample Location:

Date Collected: 04/26/18 18:00
Date Received: 04/27/18
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	90		60-140
Bromochloromethane	98		60-140
chlorobenzene-d5	90		60-140

Project Name: SENDERO VERDE
Project Number: 2984.0001Y000

Lab Number: L1816192
Report Date: 05/10/18

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
N/A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1816192-01A	Canister - 2.7 Liter	N/A	NA			Y	Absent		TO15-LL(30)
L1816192-02A	Canister - 2.7 Liter	N/A	NA			Y	Absent		TO15-LL(30)
L1816192-03A	Canister - 2.7 Liter	N/A	NA			Y	Absent		TO15-LL(30)
L1816192-04A	Canister - 2.7 Liter	N/A	NA			Y	Absent		TO15-LL(30)
L1816192-05A	Canister - 2.7 Liter	N/A	NA			Y	Absent		TO15-LL(30)
L1816192-06A	Canister - 2.7 Liter	N/A	NA			Y	Absent		TO15-LL(30)
L1816192-07A	Canister - 2.7 Liter	N/A	NA			Y	Absent		TO15-LL(30)
L1816192-08A	Canister - 2.7 Liter	N/A	NA			Y	Absent		TO15-LL(30)
L1816192-09A	Canister - 2.7 Liter	N/A	NA			Y	Absent		CLEAN-FEE()
L1816192-10A	Canister - 2.7 Liter	N/A	NA			Y	Absent		CLEAN-FEE()
L1816192-11A	Canister - 2.7 Liter	N/A	NA			Y	Absent		CLEAN-FEE()

*Values in parentheses indicate holding time in days

Project Name:	SENDERO VERDE	**Lab Number:**	L1816192
Project Number:	2984.0001Y000	**Report Date:**	05/10/18

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

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

Terms

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

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

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

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

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

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related

Report Format: Data Usability Report

Project Name:	SENDERO VERDE	**Lab Number:**	L1816192
Project Number:	2984.0001Y000	**Report Date:**	05/10/18

Data Qualifiers

projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

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

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

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

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the reporting limit (RL) for the sample.

Report Format: Data Usability Report

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Project Number: 2984.0001Y000
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REFERENCES

48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 300: DW: Bromide
EPA 6860: SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, EPA 351.1, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Be, Cd, Cr, Cu, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

AIR ANALYSIS

CHAIN OF COUSTODY

PAGE 2 OF 2

ALPHA ANALYTICAL
320 Forbes Blvd, Mansfield, MA 02048
TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 5/5/18

ALPHA Job #: L1816192

Client Information

Client: Roux

Address: 209 Shafter St. Islandia, NY 11749

Phone: 631-232-2600

Fax: 631-232-9898

Email: jmoriarity@rouxinc.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Sendero Verde

Project Location: East Harlem, NY

Project #: 2984.0001Y000

Project Manager: Julie Moriority

ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: Time:

Report Information - Data Deliverables

☐ FAX
☐ ADEx
Criteria Checker:
(Default based on Regulatory Criteria Indicated)
Other Formats:
☐ EMAIL (standard pdf report)
☐ Additional Deliverables:

Report to: (if different than Project Manager)

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed	Program	Res / Comm

Other Project Specific Requirements/Comments:

Project-Specific Target Compound List: ☐

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	COLLECTION End Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	I D Can	I D - Flow Controller	TO-15	TO-15 SIM	APH	Fixed Gases	Sulfides & Mercaptans by TO-15	Sample Comments (i.e. PID)
16192-01	SV-1	5/4/18	10:45	12:45	-29.89	-6.84	SV	VS	2.7L	544	0079	X					
-02	SV-2	↓	10:51	12:48	-29.63	-5.28	↓	↓	↓	455	0438	X					
-03	SV-3	↓	10:55	12:50	-29.92	-5.81	↓	↓	↓	405	01034	X					
-04	SV-4	↓	11:12	13:12	-30.00	-5.77	↓	↓	↓	233	01029	X					
-05	SV-5	↓	11:09	13:09	-29.84	-6.37	↓	↓	↓	1805	0273	X					
-06	SV-6	↓	11:07	12:55	-30.49	-6.15	↓	↓	↓	379	0242	X					
-07	SV-7	↓	11:18	13:13	-30.22	-6.40	↓	↓	↓	385	0289	X					
-08	SV-8	↓	11:05	13:10	-30.43	-4.97	↓	↓	↓	2297	0973	X					

***SAMPLE MATRIX CODES**
AA = Ambient Air (Indoor/Outdoor)
SV = Soil Vapor/Landfill Gas/SVE
Other = Please Specify

Container Type: CS

Relinquished By:	Date/Time	Received By:	Date/Time:
Valerie Saf[illegible]	5/4/18 1410	[illegible] AAL	5/4 1410
[illegible]	5/4 1711	[illegible]	5/4/18 22:00
	5/5/18 0300	[illegible]	5/5/18 03:00

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions.

See reverse side.

Form No: 101-02 Rev: (25-Sep-15)