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Automated Report

Technical Report for

SESI Consulting Engineers

4th 83rd Street, Pelham, NY

12335

SGS Job Number: JD47845

Sampling Dates: 07/05/22 - 07/06/22

Report to:

SESI Consulting Engineers

jcs@sesi.org

ATTN: Jonathan Stuart

Total number of pages in report: 204

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

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Certifications: NJ(12129), NY(10983), CA, CT, FL, IL, IN, KS, KY, LA, MA, MD, ME, MN, NC, OH VAP (CL0056), AK (UST-103), AZ (AZ0786), PA(68-00408), RI, SC, TX, UT, VA, WV

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Sample Summary

SESI Consulting Engineers

Job No: JD47845

4th 83rd Street, Pelham, NY
Project No: 12335

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
This report contains results reported as ND = Not detected. The following applies: Organics ND = Not detected above the MDL							
JD47845-1	07/06/22	08:35	BS	07/06/22	SO	Soil	SB-14 (1.5-2')
JD47845-1A	07/06/22	08:35	BS	07/06/22	SO	Soil	SB-14 (1.5-2')
JD47845-2	07/06/22	08:40	BS	07/06/22	SO	Soil	SB-14 (3.5-4')
JD47845-2A	07/06/22	08:40	BS	07/06/22	SO	Soil	SB-14 (3.5-4')
JD47845-3	07/06/22	09:10	BS	07/06/22	SO	Soil	SB-12 (7-7.5')
JD47845-3A	07/06/22	09:10	BS	07/06/22	SO	Soil	SB-12 (7-7.5')
JD47845-4	07/06/22	09:15	BS	07/06/22	SO	Soil	SB-12 (3.5-4')
JD47845-4A	07/06/22	09:15	BS	07/06/22	SO	Soil	SB-12 (3.5-4')
JD47845-5	07/05/22	09:30	BS	07/06/22	SO	Soil	SB-11 (5.5-6')
JD47845-5A	07/05/22	09:30	BS	07/06/22	SO	Soil	SB-11 (5.5-6')
JD47845-6	07/05/22	09:40	BS	07/06/22	SO	Soil	SB-11 (8-8.5')
JD47845-6A	07/05/22	09:40	BS	07/06/22	SO	Soil	SB-11 (8-8.5')

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Sample Summary
(continued)

SESI Consulting Engineers

Job No: JD47845

4th 83rd Street, Pelham, NY
Project No: 12335

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
JD47845-7	07/05/22	09:50	BS	07/06/22	SO	Soil	SB-10 (5-5.5')
JD47845-7A	07/05/22	09:50	BS	07/06/22	SO	Soil	SB-10 (5-5.5')
JD47845-8	07/05/22	09:55	BS	07/06/22	SO	Soil	SB-10 (7-7.5')
JD47845-8A	07/05/22	09:55	BS	07/06/22	SO	Soil	SB-10 (7-7.5')
JD47845-9	07/05/22	11:35	BS	07/06/22	SO	Soil	SB-8 (4-4.5')
JD47845-9A	07/05/22	11:35	BS	07/06/22	SO	Soil	SB-8 (4-4.5')
JD47845-10	07/05/22	11:40	BS	07/06/22	SO	Soil	SB-8 (6.5-7')
JD47845-10A	07/05/22	11:40	BS	07/06/22	SO	Soil	SB-8 (6.5-7')
JD47845-11	07/05/22	13:30	BS	07/06/22	SO	Soil	SB-9 (4-4.5')
JD47845-11A	07/05/22	13:30	BS	07/06/22	SO	Soil	SB-9 (4-4.5')
JD47845-12	07/05/22	13:40	BS	07/06/22	SO	Soil	SB-9 (6.5-7')
JD47845-12A	07/05/22	13:40	BS	07/06/22	SO	Soil	SB-9 (6.5-7')
JD47845-13	07/05/22	14:45	BS	07/06/22	SO	Soil	SB-13 (2-2.5')

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Sample Summary
(continued)

SESI Consulting Engineers

Job No: JD47845

4th 83rd Street, Pelham, NY
Project No: 12335

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
JD47845-13A	07/05/22	14:45	BS	07/06/22	SO	Soil	SB-13 (2-2.5')
JD47845-14	07/05/22	14:50	BS	07/06/22	SO	Soil	SB-13 (4-4.5')
JD47845-14A	07/05/22	14:50	BS	07/06/22	SO	Soil	SB-13 (4-4.5')
JD47845-15	07/05/22	00:00	BS	07/06/22	SO	Soil	DUP-1
JD47845-15A	07/05/22	00:00	BS	07/06/22	SO	Soil	DUP-1

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

CASE NARRATIVE / CONFORMANCE SUMMARY

Client: SESI Consulting Engineers **Job No:** JD47845

Site: 4th 83rd Street, Pelham, NY **Report Date** 8/2/2022 2:36:04 PM

On 07/06/2022, 30 Sample(s), 0 Trip Blank(s) and 0 Field Blank(s) were received at SGS North America Inc. at a maximum corrected temperature of 3.7 C. Samples were intact and chemically preserved, unless noted below. A SGS North America Inc. Job Number of JD47845 was assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Compounds qualified as out of range in the continuing calibration summary report are acceptable as per method requirements when there is a high bias but the sample result is non-detect.

MS Volatiles By Method SW846 8260D

Matrix: SO **Batch ID:** V1C8142

- All samples were analyzed within the recommended method holding time.
- Sample(s) JD47845-2DUP, JD47845-3MS, JD47845-2DUP were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- RPD(s) for Duplicate for Acetone are outside control limits for sample JD47845-2DUP. RPD acceptable due to low DUP and sample concentrations.
- JD47845-3 for Methyl Acetate: Associated CCV outside of control limits high, sample was ND.
- JD47845-1 for Methyl Acetate: Associated CCV outside of control limits high, sample was ND.
- JD47845-6 for Dichlorodifluoromethane: Associated CCV outside of control limits high, sample was ND.
- JD47845-3 for Dichlorodifluoromethane: Associated CCV outside of control limits high, sample was ND.
- JD47845-5 for Methyl Acetate: Associated CCV outside of control limits high, sample was ND.
- JD47845-1 for Dichlorodifluoromethane: Associated CCV outside of control limits high, sample was ND.
- JD47845-2 for Dichlorodifluoromethane: Associated CCV outside of control limits high, sample was ND.
- JD47845-4 for Dichlorodifluoromethane: Associated CCV outside of control limits high, sample was ND.
- JD47845-4 for Methyl Acetate: Associated CCV outside of control limits high, sample was ND.
- JD47845-5 for Dichlorodifluoromethane: Associated CCV outside of control limits high, sample was ND.
- JD47845-2 for Methyl Acetate: Associated CCV outside of control limits high, sample was ND.
- JD47845-6 for Methyl Acetate: Associated CCV outside of control limits high, sample was ND.

Matrix: SO **Batch ID:** V3C7770

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD47845-10DUP, JD47845-9MS, JD47845-10DUP were used as the QC samples indicated.
- Blank Spike Recovery(s) for Bromomethane, Chloroethane are outside control limits.
- Matrix Spike Recovery(s) for Trichlorofluoromethane, Bromomethane, Chloroethane are outside control limits. Outside control limits due to matrix interference.
- RPD(s) for Duplicate for 2-Butanone (MEK), Acetone, Carbon disulfide are outside control limits for sample JD47845-10DUP. High RPD due to possible sample nonhomogeneity.
- JD47845-8 for Chloroethane: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JD47845-7 for Chloroethane: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JD47845-12 for Bromomethane: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.

MS Volatiles By Method SW846 8260D

Matrix: SO **Batch ID:** V3C7770

- JD47845-9MS for Chloroethane: Outside control limits.
- JD47845-8 for Bromomethane: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- V3C7770-BS for Bromomethane: High percent recovery and no associated positive reported in the QC batch.
- JD47845-13 for Chloroethane: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- V3C7770-BS for Chloroethane: High percent recovery and no associated positive reported in the QC batch.
- JD47845-9 for Bromomethane: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JD47845-9MS for Bromomethane: Outside control limits.
- JD47845-15 for Bromomethane: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JD47845-10 for Bromomethane: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JD47845-14 for Chloroethane: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JD47845-10 for Chloroethane: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JD47845-7 for Bromomethane: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JD47845-9 for Chloroethane: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JD47845-11 for Chloroethane: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JD47845-11 for Bromomethane: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JD47845-15 for Chloroethane: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JD47845-12 for Chloroethane: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JD47845-14 for Bromomethane: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JD47845-13 for Bromomethane: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.

MS Semi-volatiles By Method EPA 537M BY ID

Matrix: SO **Batch ID:** F:OP92125

- The data for EPA 537M BY ID meets quality control requirements.
- JD47845-12A: Analysis performed at SGS Orlando, FL.
- JD47845-2A: Analysis performed at SGS Orlando, FL.
- JD47845-9A: Analysis performed at SGS Orlando, FL.
- JD47845-10A: Analysis performed at SGS Orlando, FL.
- JD47845-8A: Analysis performed at SGS Orlando, FL.
- JD47845-6A: Analysis performed at SGS Orlando, FL.
- JD47845-7A: Analysis performed at SGS Orlando, FL.
- JD47845-5A: Analysis performed at SGS Orlando, FL.
- JD47845-3A: Analysis performed at SGS Orlando, FL.
- JD47845-11A: Analysis performed at SGS Orlando, FL.
- JD47845-14A: Analysis performed at SGS Orlando, FL.
- JD47845-15A: Analysis performed at SGS Orlando, FL.
- JD47845-1A: Analysis performed at SGS Orlando, FL.
- JD47845-13A: Analysis performed at SGS Orlando, FL.
- JD47845-4A: Analysis performed at SGS Orlando, FL.
- JD47845-14A for MeFOSAA: Associated ID Standard outside control limits.
- JD47845-1A for MeFOSAA: Associated ID Standard outside control limits.

MS Semi-volatiles By Method SW846 8270E

Matrix: SO **Batch ID:** OP40691

- All samples were extracted within the recommended method holding time.
- Sample(s) JD47845-1MS, JD47845-1MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- Matrix Spike Recovery(s) for 2,3,4,6-Tetrachlorophenol, 2,4-Dinitrophenol, 4,6-Dinitro-o-cresol, Hexachlorocyclopentadiene, Pentachlorophenol are outside control limits. Outside control limits due to matrix interference.
- Matrix Spike Duplicate Recovery(s) for 2,4-Dinitrophenol, Hexachlorocyclopentadiene, Pentachlorophenol, 4,6-Dinitro-o-cresol are outside control limits. Probable cause due to matrix interference.
- RPD(s) for MSD for 4,6-Dinitro-o-cresol are outside control limits for sample OP40691-MSD. Probable cause due to sample homogeneity.
- JD47845-10: Confirmation run for internal standard areas.
- JD47845-10: Internal standard Chrysene-d12 outside control limits due to matrix interference. Confirmed by reanalysis.
- JD47845-4: Confirmation run for internal standard areas.
- JD47845-9: Confirmation run for internal standard areas.
- JD47845-9: Internal standard Chrysene-d12 outside control limits due to matrix interference. Confirmed by reanalysis.
- JD47845-12: Confirmation run for internal standard areas.
- JD47845-4: Internal standard Chrysene-d12 outside control limits due to matrix interference. Confirmed by reanalysis.
- JD47845-1: Internal standard Chrysene-d12 outside control limits due to matrix interference. Confirmed by MS.
- JD47845-9 for Benzo(a)anthracene: Estimated value, due to corresponding internal standard failing low.
- JD47845-10 for bis(2-Ethylhexyl)phthalate: Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.
- JD47845-9 for bis(2-Ethylhexyl)phthalate: Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.
- JD47845-1 for Benzo(a)anthracene: Estimated value, due to corresponding internal standard failing low.
- JD47845-4 for Benzo(a)anthracene: Estimated value, due to corresponding internal standard failing low.
- JD47845-1 for 3,3'-Dichlorobenzidine: Associated CCV outside of control limits high, sample was ND.
- JD47845-10 for Benzo(a)anthracene: Estimated value, due to corresponding internal standard failing low.
- JD47845-1 for Benzo(b)fluoranthene: Associated CCV outside of control limits high. Estimated value, due to corresponding failure in the batch associated CCV.
- JD47845-1 for 1,4-Dioxane: Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.
- JD47845-4 for bis(2-Ethylhexyl)phthalate: Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.
- JD47845-11 for 1,4-Dioxane: Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.
- JD47845-15 for bis(2-Ethylhexyl)phthalate: Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.
- JD47845-13 for bis(2-Ethylhexyl)phthalate: Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.
- JD47845-11 for Indeno(1,2,3-cd)pyrene: Associated CCV outside of control limits high. Estimated value, due to corresponding failure in the batch associated CCV.
- JD47845-7 for bis(2-Ethylhexyl)phthalate: Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.
- JD47845-2 for bis(2-Ethylhexyl)phthalate: Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.
- JD47845-11 for 3,3'-Dichlorobenzidine: Associated CCV outside of control limits high, sample was ND.
- JD47845-8 for 3,3'-Dichlorobenzidine: Associated CCV outside of control limits high, sample was ND.
- JD47845-11 for Hexachlorocyclopentadiene: Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.

MS Semi-volatiles By Method SW846 8270E

Matrix: SO **Batch ID:** OP40691

- JD47845-6 for bis(2-Ethylhexyl)phthalate: Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.
- JD47845-12 for Pentachlorophenol: Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.
- JD47845-11 for Pentachlorophenol: Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.
- JD47845-3 for bis(2-Ethylhexyl)phthalate: Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.
- JD47845-12 for Hexachlorocyclopentadiene: Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.
- JD47845-12 for Benzo(a)anthracene: Estimated value, due to corresponding internal standard failing low.
- JD47845-12 for Pyrene: Estimated value, due to corresponding internal standard failing low.
- JD47845-12 for 1,4-Dioxane: Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.
- JD47845-12 for Indeno(1,2,3-cd)pyrene: Associated CCV outside of control limits high, sample was ND.
- JD47845-12 for Benzo(b)fluoranthene: Associated CCV outside of control limits high, sample was ND.
- JD47845-12 for 3,3'-Dichlorobenzidine: Associated CCV outside of control limits high, sample was ND.
- JD47845-12 for Dibenzo(a,h)anthracene: Associated CCV outside of control limits high, sample was ND.
- OP40691-MSD for 4,6-Dinitro-o-cresol: Outside of in house control limits.
- JD47845-8 for Indeno(1,2,3-cd)pyrene: Associated CCV outside of control limits high. Estimated value, due to corresponding failure in the batch associated CCV.
- JD47845-14 for bis(2-Ethylhexyl)phthalate: Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.
- JD47845-11 for Benzo(b)fluoranthene: Associated CCV outside of control limits high. Estimated value, due to corresponding failure in the batch associated CCV.
- JD47845-8 for Benzo(b)fluoranthene: Associated CCV outside of control limits high. Estimated value, due to corresponding failure in the batch associated CCV.
- JD47845-8 for Dibenzo(a,h)anthracene: Associated CCV outside of control limits high. Estimated value, due to corresponding failure in the batch associated CCV.
- JD47845-11 for Dibenzo(a,h)anthracene: Associated CCV outside of control limits high. Estimated value, due to corresponding failure in the batch associated CCV.
- JD47845-8 for 1,4-Dioxane: Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.
- JD47845-8 for Hexachlorocyclopentadiene: Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.
- JD47845-8 for Pentachlorophenol: Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.

Matrix: SO **Batch ID:** OP40727

- All samples were extracted within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD48009-3MS, JD48009-3MSD were used as the QC samples indicated.
- Matrix Spike Recovery(s) for Benzo(a)anthracene, Benzo(b)fluoranthene, Chrysene, Fluoranthene, Phenanthrene, Pyrene are outside control limits. Outside control limits due to matrix interference.
- Matrix Spike Duplicate Recovery(s) for 2,4-Dinitrophenol, 4,6-Dinitro-o-cresol, Hexachlorocyclopentadiene are outside control limits. Probable cause due to matrix interference.
- RPD(s) for MSD for 2,4-Dinitrophenol, 4,6-Dinitro-o-cresol, Hexachlorocyclopentadiene are outside control limits for sample OP40727-MSD. Probable cause due to sample homogeneity.
- JD47845-5 for Di-n-octyl phthalate: Associated CCV outside of control limits high, sample was ND.
- JD47845-5 for Butyl benzyl phthalate: Associated CCV outside of control limits high, sample was ND.

MS Semi-volatiles By Method SW846 8270E

Matrix: SO **Batch ID:** OP40727

- JD47845-5 for 4,6-Dinitro-o-cresol: Associated CCV outside of control limits high, sample was ND.
- JD47845-5 for bis(2-Ethylhexyl)phthalate: Associated CCV outside of control limits high, sample was ND.
- OP40727-MSD for 2,4-Dinitrophenol: Outside of in house control limits.
- OP40727-MSD for Hexachlorocyclopentadiene: Outside of in house control limits.
- OP40727-MSD for 4,6-Dinitro-o-cresol: Outside of in house control limits.

GC/LC Semi-volatiles By Method SW846 8081B

Matrix: SO **Batch ID:** OP40701

- All samples were extracted within the recommended method holding time.
- Sample(s) JD47868-2MS, JD47868-2MSD, OP40701-MSMSD were used as the QC samples indicated.
- Sample(s) JD47845-1, JD47845-10, JD47845-11, JD47845-12, JD47845-13, JD47845-14, JD47845-15, JD47845-2, JD47845-3, JD47845-4, JD47845-5, JD47845-6, JD47845-7, JD47845-8, JD47845-9 have compound(s) reported with a “B” qualifier, indicating analyte is found in the associated method blank.
- Blank Spike Recovery(s) for Endrin aldehyde are outside control limits.
- Matrix Spike Recovery(s) for beta-BHC, Endosulfan sulfate, Endrin aldehyde, gamma-Chlordane are outside control limits. Dilution required due to viscosity of the extract matrix.
- Matrix Spike Duplicate Recovery(s) for beta-BHC, gamma-BHC (Lindane), gamma-Chlordane are outside control limits. Dilution required due to viscosity of the extract matrix.
- Sample(s) JD47845-9 have surrogates outside control limits. Probable cause due to matrix interference.
- JD47845-7: Had TBA cleanup.
- JD47845-2: Had TBA cleanup.
- JD47845-9: Had TBA cleanup.
- JD47845-12: Had TBA cleanup.
- OP40701-BS1: Had TBA cleanup.
- JD47845-11: Had TBA cleanup.
- JD47845-10: Had TBA cleanup.
- JD47845-8: Had TBA cleanup.
- OP40701-MB1: Had TBA cleanup. Detections due to lab contamination.
- OP40701-MB1: Detections due to lab contamination.
- OP40701-BS1 for Endrin aldehyde: Outside in house control limits due to degredation from TBA cleanup.
- JD47845-10 for 4,4'-DDT: More than 40 % RPD for detected concentrations between the two GC columns.
- JD47845-11 for gamma-Chlordane: More than 40 % RPD for detected concentrations between the two GC columns.
- JD47845-7 for 4,4'-DDT: More than 40 % RPD for detected concentrations between the two GC columns.
- OP40701-BS1 for Methoxychlor: Reported from the 2nd signal. The %D of the CCV on the 1st signal exceeds the method criteria of 20%, so it being used for confirmation only.
- JD47845-9 for 4,4'-DDD: More than 40 % RPD for detected concentrations between the two GC columns.
- JD47845-9 for Decachlorobiphenyl: Outside control limits due to matrix interference.
- JD47845-14 for 4,4'-DDT: More than 40 % RPD for detected concentrations between the two GC columns.
- JD47845-13 for 4,4'-DDT: More than 40 % RPD for detected concentrations between the two GC columns.
- JD47845-6 for 4,4'-DDT: More than 40 % RPD for detected concentrations between the two GC columns.
- JD47845-5 for 4,4'-DDT: More than 40 % RPD for detected concentrations between the two GC columns.
- JD47845-3 for 4,4'-DDT: More than 40 % RPD for detected concentrations between the two GC columns.
- JD47845-1 for 4,4'-DDT: More than 40 % RPD for detected concentrations between the two GC columns.
- JD47845-4 for 4,4'-DDT: More than 40 % RPD for detected concentrations between the two GC columns.
- JD47845-15 for 4,4'-DDT: More than 40 % RPD for detected concentrations between the two GC columns.

GC/LC Semi-volatiles By Method SW846 8082A

Matrix: SO **Batch ID:** OP40703

- All samples were extracted within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD47859-1MS, JD47859-1MSD, OP40703-MSMSD were used as the QC samples indicated.
- JD47845-7: Had TBA cleanup.
- OP40703-BS1: Had TBA cleanup.
- OP40703-MB1: Had TBA cleanup.

Metals Analysis By Method SW846 6010D

Matrix: SO **Batch ID:** MP33956

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD47845-3MS, JD47845-3MSD, JD47845-3PS, JD47845-3SDL were used as the QC samples for metals.
- Matrix Spike Recovery(s) for Antimony, Aluminum are outside control limits. Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.
- Matrix Spike Duplicate Recovery(s) for Antimony, Calcium are outside control limits. Probable cause due to matrix interference.
- Matrix Spike Recovery(s) for Iron are outside control limits. Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.
- RPD(s) for Serial Dilution for Silver, Lead, Selenium, Sodium, Zinc are outside control limits for sample MP33956-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).
- MP33956-SD1 for Sodium: Serial dilution indicates possible matrix interference.
- JD47845-3 for Antimony: Elevated detection limit due to dilution required for high interfering element.
- JD47845-11 for Selenium: Elevated detection limit due to dilution required for high interfering element.
- JD47845-4 for Thallium: Elevated detection limit due to dilution required for high interfering element.
- JD47845-4 for Silver: Elevated detection limit due to dilution required for high interfering element.
- JD47845-11 for Manganese: Elevated detection limit due to dilution required for high interfering element.
- JD47845-4 for Antimony: Elevated detection limit due to dilution required for high interfering element.
- JD47845-11 for Silver: Elevated detection limit due to dilution required for high interfering element.
- JD47845-3 for Beryllium: Elevated detection limit due to dilution required for high interfering element.
- JD47845-11 for Copper: Elevated detection limit due to dilution required for high interfering element.
- JD47845-11 for Arsenic: Elevated detection limit due to dilution required for high interfering element.
- JD47845-4 for Beryllium: Elevated detection limit due to dilution required for high interfering element.
- JD47845-11 for Thallium: Elevated detection limit due to dilution required for high interfering element.
- JD47845-3 for Thallium: Elevated detection limit due to dilution required for high interfering element.
- JD47845-3 for Silver: Elevated detection limit due to dilution required for high interfering element.

Metals Analysis By Method SW846 7471B

Matrix: SO **Batch ID:** MP33996

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD47845-1MS, JD47845-1MSD were used as the QC samples for metals.

General Chemistry By Method SM2540 G 18TH ED MOD

Matrix:	SO	Batch ID:	GN31057

- Sample(s) JD47838-7DUP were used as the QC samples for Solids, Percent.

General Chemistry By Method SW846 9012B/LACHAT

Matrix:	SO	Batch ID:	GP41106

- All samples were prepared within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD47845-13MS, JD47845-3DUP, JD47845-3MS were used as the QC samples for Cyanide.

SGS North America Inc. certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting the Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

SGS North America Inc. is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. Data release is authorized by SGS North America Inc indicated via signature on the report cover

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: SGS Dayton, NJ **Job No:** JD47845

Site: SESINJPB: 4th 83rd Street, Pelham, NY **Report Date:** 8/1/2022 11:59:55 AM

On 07/08/2022, 15 Sample(s), 0 Trip Blank(s) and 0 Field Blank(s) were received intact at SGS North America Inc - Orlando. Samples were intact and chemically preserved, unless noted below. A SGS North America Inc. - Orlando Job Number of JD47845 was assigned to the project.

Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section. Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

MS Semi-volatiles By Method EPA 537M BY ID

Matrix: SO **Batch ID:** OP92125

Sample(s) JD47845-1AMS, JD47845-1AMSD were used as the QC samples indicated.

Sample(s) JD47845-14A, JD47845-1A have surrogates outside control limits.

JD47845-1A for d3-MeFOSAA: Outside control limits.

JD47845-1A for MeFOSAA: Associated ID Standard outside control limits.

JD47845-1A: Confirmation run.

JD47845-14A for d3-MeFOSAA: Outside control limits.

JD47845-14A for MeFOSAA: Associated ID Standard outside control limits.

JD47845-14A: Confirmation run.

SGS North America Inc. - Orlando certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting the Quality System precision, accuracy and completeness objectives except as noted. Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria. SGS North America Inc.- Orlando is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety.

Narrative prepared by:

_____

Kim Benham, Client Services *(Signature on File)*

Summary of Hits

Job Number: JD47845
Account: SESI Consulting Engineers
Project: 4th 83rd Street, Pelham, NY
Collected: 07/05/22 thru 07/06/22

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JD47845-1	**SB-14 (1.5-2')**					
Acenaphthylene [a]		29.8 J	37	19	ug/kg	SW846 8270E
Anthracene [a]		38.8	37	22	ug/kg	SW846 8270E
Benzo(a)anthracene [b]		440	37	10	ug/kg	SW846 8270E
Benzo(a)pyrene [a]		308	37	17	ug/kg	SW846 8270E
Benzo(b)fluoranthene [c]		386	37	16	ug/kg	SW846 8270E
Benzo(g,h,i)perylene [a]		258	37	18	ug/kg	SW846 8270E
Benzo(k)fluoranthene [a]		137	37	17	ug/kg	SW846 8270E
Carbazole [a]		10.7 J	73	5.3	ug/kg	SW846 8270E
Chrysene [b]		368	37	12	ug/kg	SW846 8270E
Dibenzo(a,h)anthracene [c]		64.9	37	16	ug/kg	SW846 8270E
Fluoranthene [a]		483	37	16	ug/kg	SW846 8270E
Indeno(1,2,3-cd)pyrene [c]		281	37	17	ug/kg	SW846 8270E
Phenanthrene [a]		143	37	12	ug/kg	SW846 8270E
Pyrene [b]		601	37	12	ug/kg	SW846 8270E
Total TIC, Semi-Volatile		850 J			ug/kg	
4,4'-DDT [d]		4.8 B	0.68	0.61	ug/kg	SW846 8081B
Endosulfan-II		5.5	0.68	0.43	ug/kg	SW846 8081B
Aluminum		13400	55		mg/kg	SW846 6010D
Arsenic		10.4	2.2		mg/kg	SW846 6010D
Barium		126	22		mg/kg	SW846 6010D
Beryllium		0.74	0.22		mg/kg	SW846 6010D
Cadmium		1.8	0.55		mg/kg	SW846 6010D
Calcium		61100	2800		mg/kg	SW846 6010D
Chromium		22.2	1.1		mg/kg	SW846 6010D
Cobalt		7.6	5.5		mg/kg	SW846 6010D
Copper		149	2.8		mg/kg	SW846 6010D
Iron		19900	55		mg/kg	SW846 6010D
Lead		482	2.2		mg/kg	SW846 6010D
Magnesium		4870	550		mg/kg	SW846 6010D
Manganese		736	1.7		mg/kg	SW846 6010D
Mercury		0.042	0.037		mg/kg	SW846 7471B
Nickel		20.2	4.4		mg/kg	SW846 6010D
Potassium		1830	1100		mg/kg	SW846 6010D
Selenium		5.7	2.2		mg/kg	SW846 6010D
Silver		0.64	0.55		mg/kg	SW846 6010D
Sodium		1540	1100		mg/kg	SW846 6010D
Vanadium		25.7	5.5		mg/kg	SW846 6010D
Zinc		395	5.5		mg/kg	SW846 6010D
Cyanide		0.33	0.29		mg/kg	SW846 9012B/LACHAT
JD47845-1A	**SB-14 (1.5-2')**					
No hits reported in this sample.						

Summary of Hits

Job Number: JD47845
Account: SESI Consulting Engineers
Project: 4th 83rd Street, Pelham, NY
Collected: 07/05/22 thru 07/06/22

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JD47845-2	**SB-14 (3.5-4')**					
Total TIC, Semi-Volatile		420 J			ug/kg	
4,4'-DDT [e]		6.3 B	0.82	0.72	ug/kg	SW846 8081B
Aluminum		23800	65		mg/kg	SW846 6010D
Arsenic		2.8	2.6		mg/kg	SW846 6010D
Barium		165	26		mg/kg	SW846 6010D
Beryllium		0.73	0.26		mg/kg	SW846 6010D
Calcium		4130	650		mg/kg	SW846 6010D
Chromium		51.2	1.3		mg/kg	SW846 6010D
Copper		9.3	3.2		mg/kg	SW846 6010D
Iron		15500	65		mg/kg	SW846 6010D
Lead		17.8	2.6		mg/kg	SW846 6010D
Magnesium		2540	650		mg/kg	SW846 6010D
Manganese		148	1.9		mg/kg	SW846 6010D
Mercury		0.12	0.042		mg/kg	SW846 7471B
Nickel		23.8	5.2		mg/kg	SW846 6010D
Sodium		1570	1300		mg/kg	SW846 6010D
Vanadium		28.9	6.5		mg/kg	SW846 6010D
Zinc		73.0	6.5		mg/kg	SW846 6010D
JD47845-2A	**SB-14 (3.5-4')**					
No hits reported in this sample.						
JD47845-3	**SB-12 (7-7.5')**					
4,4'-DDT [d]		2.5 B	0.63	0.56	ug/kg	SW846 8081B
Aluminum		9890	52		mg/kg	SW846 6010D
Barium		67.9	21		mg/kg	SW846 6010D
Beryllium [f]		0.45	0.42		mg/kg	SW846 6010D
Cadmium		0.82	0.52		mg/kg	SW846 6010D
Calcium		1570	520		mg/kg	SW846 6010D
Chromium		13.7	1.0		mg/kg	SW846 6010D
Cobalt		7.8	5.2		mg/kg	SW846 6010D
Copper		15.4	2.6		mg/kg	SW846 6010D
Iron		16600	52		mg/kg	SW846 6010D
Lead		4.2	2.1		mg/kg	SW846 6010D
Magnesium		4660	520		mg/kg	SW846 6010D
Manganese		311	1.6		mg/kg	SW846 6010D
Nickel		18.9	4.2		mg/kg	SW846 6010D
Potassium		2000	1000		mg/kg	SW846 6010D
Vanadium		21.7	5.2		mg/kg	SW846 6010D
Zinc		46.5	5.2		mg/kg	SW846 6010D

Summary of Hits

Job Number: JD47845
Account: SESI Consulting Engineers
Project: 4th 83rd Street, Pelham, NY
Collected: 07/05/22 thru 07/06/22

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JD47845-3A	**SB-12 (7-7.5')**					
No hits reported in this sample.						
JD47845-4	**SB-12 (3.5-4')**					
Acenaphthene [g]		51.2	35	12	ug/kg	SW846 8270E
Acenaphthylene [g]		21.2 J	35	18	ug/kg	SW846 8270E
Anthracene [g]		163	35	21	ug/kg	SW846 8270E
Benzo(a)anthracene [h]		516	35	9.8	ug/kg	SW846 8270E
Benzo(a)pyrene [g]		332	35	16	ug/kg	SW846 8270E
Benzo(b)fluoranthene [g]		373	35	15	ug/kg	SW846 8270E
Benzo(g,h,i)perylene [g]		247	35	17	ug/kg	SW846 8270E
Benzo(k)fluoranthene [g]		127	35	16	ug/kg	SW846 8270E
1,1'-Biphenyl [g]		5.4 J	69	4.8	ug/kg	SW846 8270E
Carbazole [g]		58.2 J	69	5.0	ug/kg	SW846 8270E
Chrysene [h]		460	35	11	ug/kg	SW846 8270E
Dibenzo(a,h)anthracene [g]		71.3	35	15	ug/kg	SW846 8270E
Dibenzofuran [g]		34.9 J	69	14	ug/kg	SW846 8270E
Fluoranthene [g]		914	35	15	ug/kg	SW846 8270E
Fluorene [g]		63.2	35	16	ug/kg	SW846 8270E
Indeno(1,2,3-cd)pyrene [g]		314	35	16	ug/kg	SW846 8270E
2-Methylnaphthalene [g]		23.2 J	35	7.8	ug/kg	SW846 8270E
Naphthalene [g]		16.9 J	35	9.8	ug/kg	SW846 8270E
Phenanthrene [g]		746	35	12	ug/kg	SW846 8270E
Pyrene [h]		972	35	11	ug/kg	SW846 8270E
Total TIC, Semi-Volatile		2130 J			ug/kg	
4,4'-DDE		1.1	0.70	0.62	ug/kg	SW846 8081B
4,4'-DDT [d]		4.5 B	0.70	0.62	ug/kg	SW846 8081B
Aluminum		11300	52		mg/kg	SW846 6010D
Arsenic		2.9	2.1		mg/kg	SW846 6010D
Barium		96.4	21		mg/kg	SW846 6010D
Beryllium [f]		0.51	0.42		mg/kg	SW846 6010D
Cadmium		0.95	0.52		mg/kg	SW846 6010D
Calcium		31200	1000		mg/kg	SW846 6010D
Chromium		27.8	1.0		mg/kg	SW846 6010D
Cobalt		12.6	5.2		mg/kg	SW846 6010D
Copper		22.6	2.6		mg/kg	SW846 6010D
Iron		18000	52		mg/kg	SW846 6010D
Lead		54.4	2.1		mg/kg	SW846 6010D
Magnesium		16100	520		mg/kg	SW846 6010D
Manganese		330	1.6		mg/kg	SW846 6010D
Nickel		28.1	4.2		mg/kg	SW846 6010D
Potassium		3640	1000		mg/kg	SW846 6010D

Summary of Hits

Job Number: JD47845
Account: SESI Consulting Engineers
Project: 4th 83rd Street, Pelham, NY
Collected: 07/05/22 thru 07/06/22

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Vanadium		34.4	5.2		mg/kg	SW846 6010D
Zinc		75.4	5.2		mg/kg	SW846 6010D
JD47845-4A	**SB-12 (3.5-4')**					
No hits reported in this sample.						
JD47845-5	**SB-11 (5.5-6')**					
Total TIC, Semi-Volatile		1190 J			ug/kg	
4,4'-DDT [d]		5.1 B	0.75	0.66	ug/kg	SW846 8081B
Aluminum		11700	61		mg/kg	SW846 6010D
Barium		72.2	24		mg/kg	SW846 6010D
Beryllium		0.56	0.24		mg/kg	SW846 6010D
Calcium		2120	610		mg/kg	SW846 6010D
Chromium		21.8	1.2		mg/kg	SW846 6010D
Cobalt		6.2	6.1		mg/kg	SW846 6010D
Copper		13.1	3.1		mg/kg	SW846 6010D
Iron		9300	61		mg/kg	SW846 6010D
Lead		15.1	2.4		mg/kg	SW846 6010D
Magnesium		2070	610		mg/kg	SW846 6010D
Manganese		334	1.8		mg/kg	SW846 6010D
Nickel		18.8	4.9		mg/kg	SW846 6010D
Vanadium		18.4	6.1		mg/kg	SW846 6010D
Zinc		43.9	6.1		mg/kg	SW846 6010D
JD47845-5A	**SB-11 (5.5-6')**					
No hits reported in this sample.						
JD47845-6	**SB-11 (8-8.5')**					
Total TIC, Semi-Volatile		2370 J			ug/kg	
4,4'-DDT [d]		3.2 B	0.98	0.87	ug/kg	SW846 8081B
Aluminum		12300	75		mg/kg	SW846 6010D
Barium		86.0	30		mg/kg	SW846 6010D
Beryllium		0.49	0.30		mg/kg	SW846 6010D
Cadmium		0.76	0.75		mg/kg	SW846 6010D
Calcium		2870	750		mg/kg	SW846 6010D
Chromium		25.1	1.5		mg/kg	SW846 6010D
Cobalt		8.6	7.5		mg/kg	SW846 6010D
Copper		10.7	3.7		mg/kg	SW846 6010D
Iron		13800	75		mg/kg	SW846 6010D
Lead		10.5	3.0		mg/kg	SW846 6010D
Magnesium		4580	750		mg/kg	SW846 6010D

Summary of Hits

Job Number: JD47845
Account: SESI Consulting Engineers
Project: 4th 83rd Street, Pelham, NY
Collected: 07/05/22 thru 07/06/22

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Manganese		140	2.2		mg/kg	SW846 6010D
Mercury		0.080	0.045		mg/kg	SW846 7471B
Nickel		22.5	6.0		mg/kg	SW846 6010D
Vanadium		26.4	7.5		mg/kg	SW846 6010D
Zinc		73.5	7.5		mg/kg	SW846 6010D
JD47845-6A	**SB-11 (8-8.5')**					
No hits reported in this sample.						
JD47845-7	**SB-10 (5-5.5')**					
Acetone		127	9.4	3.9	ug/kg	SW846 8260D
2-Butanone (MEK)		22.0	9.4	2.3	ug/kg	SW846 8260D
Benzo(a)anthracene		23.7 J	37	10	ug/kg	SW846 8270E
Benzo(a)pyrene		20.6 J	37	17	ug/kg	SW846 8270E
Benzo(b)fluoranthene		26.4 J	37	16	ug/kg	SW846 8270E
Chrysene		25.1 J	37	12	ug/kg	SW846 8270E
Fluoranthene		29.7 J	37	16	ug/kg	SW846 8270E
Pyrene		43.0	37	12	ug/kg	SW846 8270E
4,4'-DDT [i]		3.2 B	0.69	0.61	ug/kg	SW846 8081B
Aluminum		19300	58		mg/kg	SW846 6010D
Arsenic		5.2	2.3		mg/kg	SW846 6010D
Barium		68.0	23		mg/kg	SW846 6010D
Beryllium		0.69	0.23		mg/kg	SW846 6010D
Cadmium		0.59	0.58		mg/kg	SW846 6010D
Calcium		1450	580		mg/kg	SW846 6010D
Chromium		31.7	1.2		mg/kg	SW846 6010D
Cobalt		7.8	5.8		mg/kg	SW846 6010D
Copper		132	2.9		mg/kg	SW846 6010D
Iron		20100	58		mg/kg	SW846 6010D
Lead		22.6	2.3		mg/kg	SW846 6010D
Magnesium		4130	580		mg/kg	SW846 6010D
Manganese		263	1.7		mg/kg	SW846 6010D
Mercury		0.051	0.036		mg/kg	SW846 7471B
Nickel		27.4	4.7		mg/kg	SW846 6010D
Vanadium		32.5	5.8		mg/kg	SW846 6010D
Zinc		59.1	5.8		mg/kg	SW846 6010D
JD47845-7A	**SB-10 (5-5.5')**					
No hits reported in this sample.						

Summary of Hits

Job Number: JD47845
Account: SESI Consulting Engineers
Project: 4th 83rd Street, Pelham, NY
Collected: 07/05/22 thru 07/06/22

Lab Sample ID / Analyte	Client Sample ID / Result/ Qual	RL	MDL	Units	Method
JD47845-8	**SB-10 (7-7.5')**				
Acetone	12.8	8.0	3.3	ug/kg	SW846 8260D
Acenaphthylene	32.2 J	36	18	ug/kg	SW846 8270E
Anthracene	34.4 J	36	22	ug/kg	SW846 8270E
Benzo(a)anthracene	140	36	10	ug/kg	SW846 8270E
Benzo(a)pyrene	135	36	17	ug/kg	SW846 8270E
Benzo(b)fluoranthene [j]	161	36	16	ug/kg	SW846 8270E
Benzo(g,h,i)perylene	101	36	18	ug/kg	SW846 8270E
Benzo(k)fluoranthene	55.9	36	17	ug/kg	SW846 8270E
Carbazole	14.7 J	73	5.3	ug/kg	SW846 8270E
Chrysene	153	36	11	ug/kg	SW846 8270E
Dibenzo(a,h)anthracene [j]	28.4 J	36	16	ug/kg	SW846 8270E
bis(2-Ethylhexyl)phthalate	10.9 J	73	8.5	ug/kg	SW846 8270E
Fluoranthene	199	36	16	ug/kg	SW846 8270E
Indeno(1,2,3-cd)pyrene [j]	129	36	17	ug/kg	SW846 8270E
Phenanthrene	93.3	36	12	ug/kg	SW846 8270E
Pyrene	259	36	12	ug/kg	SW846 8270E
Total TIC, Semi-Volatile	780 J			ug/kg	
alpha-Chlordane [e]	3.1	0.67	0.54	ug/kg	SW846 8081B
gamma-Chlordane [e]	2.1	0.67	0.31	ug/kg	SW846 8081B
Dieldrin [e]	0.73	0.67	0.46	ug/kg	SW846 8081B
4,4'-DDD [e]	8.8	0.67	0.62	ug/kg	SW846 8081B
4,4'-DDE [e]	1.2	0.67	0.59	ug/kg	SW846 8081B
4,4'-DDT [e]	4.0 B	0.67	0.60	ug/kg	SW846 8081B
Aluminum	12200	55		mg/kg	SW846 6010D
Arsenic	5.0	2.2		mg/kg	SW846 6010D
Barium	117	22		mg/kg	SW846 6010D
Beryllium	0.45	0.22		mg/kg	SW846 6010D
Cadmium	0.57	0.55		mg/kg	SW846 6010D
Calcium	52700	2800		mg/kg	SW846 6010D
Chromium	25.9	1.1		mg/kg	SW846 6010D
Cobalt	27.6	5.5		mg/kg	SW846 6010D
Copper	15.0	2.8		mg/kg	SW846 6010D
Iron	15900	55		mg/kg	SW846 6010D
Lead	178	2.2		mg/kg	SW846 6010D
Magnesium	29700	550		mg/kg	SW846 6010D
Manganese	250	1.7		mg/kg	SW846 6010D
Mercury	0.081	0.033		mg/kg	SW846 7471B
Nickel	22.9	4.4		mg/kg	SW846 6010D
Potassium	1160	1100		mg/kg	SW846 6010D
Vanadium	25.1	5.5		mg/kg	SW846 6010D
Zinc	86.8	5.5		mg/kg	SW846 6010D

Summary of Hits

Job Number: JD47845
Account: SESI Consulting Engineers
Project: 4th 83rd Street, Pelham, NY
Collected: 07/05/22 thru 07/06/22

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JD47845-8A	**SB-10 (7-7.5')**					
No hits reported in this sample.						
JD47845-9	**SB-8 (4-4.5')**					
Acetone		37.0	9.4	3.9	ug/kg	SW846 8260D
2-Butanone (MEK)		7.9 J	9.4	2.3	ug/kg	SW846 8260D
Carbon disulfide		0.61 J	1.9	0.50	ug/kg	SW846 8260D
Acenaphthene [g]		41.1	41	14	ug/kg	SW846 8270E
Acenaphthylene [g]		169	41	21	ug/kg	SW846 8270E
Anthracene [g]		121	41	25	ug/kg	SW846 8270E
Benzo(a)anthracene [h]		446	41	12	ug/kg	SW846 8270E
Benzo(a)pyrene [g]		385	41	19	ug/kg	SW846 8270E
Benzo(b)fluoranthene [g]		441	41	18	ug/kg	SW846 8270E
Benzo(g,h,i)perylene [g]		298	41	20	ug/kg	SW846 8270E
Benzo(k)fluoranthene [g]		131	41	19	ug/kg	SW846 8270E
Carbazole [g]		18.5 J	81	5.9	ug/kg	SW846 8270E
Chrysene [h]		492	41	13	ug/kg	SW846 8270E
Dibenzo(a,h)anthracene [g]		87.8	41	18	ug/kg	SW846 8270E
Fluoranthene [g]		678	41	18	ug/kg	SW846 8270E
Fluorene [g]		36.9 J	41	19	ug/kg	SW846 8270E
Indeno(1,2,3-cd)pyrene [g]		366	41	19	ug/kg	SW846 8270E
2-Methylnaphthalene [g]		14.7 J	41	9.2	ug/kg	SW846 8270E
Naphthalene [g]		26.1 J	41	11	ug/kg	SW846 8270E
Phenanthrene [g]		136	41	14	ug/kg	SW846 8270E
Pyrene [h]		953	41	13	ug/kg	SW846 8270E
Total TIC, Semi-Volatile		2240 J			ug/kg	
alpha-Chlordane [e]		1.8	0.77	0.62	ug/kg	SW846 8081B
gamma-Chlordane [e]		6.7	0.77	0.35	ug/kg	SW846 8081B
Dieldrin [i]		1.1	0.77	0.53	ug/kg	SW846 8081B
4,4'-DDD [i]		9.0	0.77	0.71	ug/kg	SW846 8081B
4,4'-DDE [e]		4.2	0.77	0.68	ug/kg	SW846 8081B
4,4'-DDT [e]		8.0 B	0.77	0.68	ug/kg	SW846 8081B
Heptachlor epoxide [e]		1.7	0.77	0.54	ug/kg	SW846 8081B
Aluminum		12800	60		mg/kg	SW846 6010D
Arsenic		5.8	2.4		mg/kg	SW846 6010D
Barium		120	24		mg/kg	SW846 6010D
Beryllium		0.60	0.24		mg/kg	SW846 6010D
Cadmium		1.2	0.60		mg/kg	SW846 6010D
Calcium		8520	600		mg/kg	SW846 6010D
Chromium		42.7	1.2		mg/kg	SW846 6010D
Cobalt		11.0	6.0		mg/kg	SW846 6010D
Copper		39.6	3.0		mg/kg	SW846 6010D
Iron		17800	60		mg/kg	SW846 6010D

Summary of Hits

Job Number: JD47845
Account: SESI Consulting Engineers
Project: 4th 83rd Street, Pelham, NY
Collected: 07/05/22 thru 07/06/22

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Lead		202	2.4		mg/kg	SW846 6010D
Magnesium		4800	600		mg/kg	SW846 6010D
Manganese		230	1.8		mg/kg	SW846 6010D
Mercury		0.12	0.036		mg/kg	SW846 7471B
Nickel		63.4	4.8		mg/kg	SW846 6010D
Potassium		2230	1200		mg/kg	SW846 6010D
Vanadium		32.7	6.0		mg/kg	SW846 6010D
Zinc		179	6.0		mg/kg	SW846 6010D
JD47845-9A	**SB-8 (4-4.5')**					
No hits reported in this sample.						
JD47845-10	**SB-8 (6.5-7')**					
Acetone		43.6	9.1	3.8	ug/kg	SW846 8260D
2-Butanone (MEK)		10.6	9.1	2.2	ug/kg	SW846 8260D
Carbon disulfide		1.5 J	1.8	0.49	ug/kg	SW846 8260D
Acenaphthene [g]		28.3 J	39	13	ug/kg	SW846 8270E
Acenaphthylene [g]		627	39	20	ug/kg	SW846 8270E
Anthracene [g]		300	39	24	ug/kg	SW846 8270E
Benzo(a)anthracene [h]		879	39	11	ug/kg	SW846 8270E
Benzo(a)pyrene [g]		1180	39	18	ug/kg	SW846 8270E
Benzo(b)fluoranthene [g]		1070	39	17	ug/kg	SW846 8270E
Benzo(g,h,i)perylene [g]		741	39	19	ug/kg	SW846 8270E
Benzo(k)fluoranthene [g]		295	39	18	ug/kg	SW846 8270E
1,1'-Biphenyl [g]		7.0 J	78	5.3	ug/kg	SW846 8270E
Carbazole [g]		26.7 J	78	5.6	ug/kg	SW846 8270E
Chrysene [h]		1760	39	12	ug/kg	SW846 8270E
Dibenzo(a,h)anthracene [g]		224	39	17	ug/kg	SW846 8270E
Fluoranthene [g]		988	39	17	ug/kg	SW846 8270E
Indeno(1,2,3-cd)pyrene [g]		785	39	18	ug/kg	SW846 8270E
2-Methylnaphthalene [g]		22.3 J	39	8.8	ug/kg	SW846 8270E
Naphthalene [g]		38.8 J	39	11	ug/kg	SW846 8270E
Phenanthrene [g]		342	39	13	ug/kg	SW846 8270E
Pyrene [h]		2100	39	12	ug/kg	SW846 8270E
Total TIC, Semi-Volatile		10310 J			ug/kg	
alpha-Chlordane [i]		1.1	0.79	0.64	ug/kg	SW846 8081B
Dieldrin [i]		1.3	0.79	0.54	ug/kg	SW846 8081B
4,4'-DDD [e]		1.7	0.79	0.72	ug/kg	SW846 8081B
4,4'-DDE [e]		2.2	0.79	0.69	ug/kg	SW846 8081B
4,4'-DDT [i]		6.8 B	0.79	0.70	ug/kg	SW846 8081B
Heptachlor epoxide [i]		0.64 J	0.79	0.55	ug/kg	SW846 8081B
Aluminum		17000	62		mg/kg	SW846 6010D
Arsenic		7.1	2.5		mg/kg	SW846 6010D

Summary of Hits

Job Number: JD47845
Account: SESI Consulting Engineers
Project: 4th 83rd Street, Pelham, NY
Collected: 07/05/22 thru 07/06/22

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Barium		144	25		mg/kg	SW846 6010D
Beryllium		0.77	0.25		mg/kg	SW846 6010D
Cadmium		1.2	0.62		mg/kg	SW846 6010D
Calcium		4040	620		mg/kg	SW846 6010D
Chromium		53.6	1.2		mg/kg	SW846 6010D
Cobalt		11.3	6.2		mg/kg	SW846 6010D
Copper		42.6	3.1		mg/kg	SW846 6010D
Iron		21400	62		mg/kg	SW846 6010D
Lead		187	2.5		mg/kg	SW846 6010D
Magnesium		6490	620		mg/kg	SW846 6010D
Manganese		410	1.9		mg/kg	SW846 6010D
Mercury		0.17	0.033		mg/kg	SW846 7471B
Nickel		57.1	5.0		mg/kg	SW846 6010D
Potassium		2630	1200		mg/kg	SW846 6010D
Silver		0.65	0.62		mg/kg	SW846 6010D
Sodium		1220	1200		mg/kg	SW846 6010D
Vanadium		36.4	6.2		mg/kg	SW846 6010D
Zinc		197	6.2		mg/kg	SW846 6010D
JD47845-10A	**SB-8 (6.5-7')**					
No hits reported in this sample.						
JD47845-11	**SB-9 (4-4.5')**					
Acenaphthene		28.7 J	40	14	ug/kg	SW846 8270E
Acenaphthylene		242	40	20	ug/kg	SW846 8270E
Anthracene		299	40	24	ug/kg	SW846 8270E
Benzo(a)anthracene		868	40	11	ug/kg	SW846 8270E
Benzo(a)pyrene		952	40	18	ug/kg	SW846 8270E
Benzo(b)fluoranthene [j]		848	40	18	ug/kg	SW846 8270E
Benzo(g,h,i)perylene		575	40	20	ug/kg	SW846 8270E
Benzo(k)fluoranthene		234	40	19	ug/kg	SW846 8270E
Carbazole		23.9 J	80	5.8	ug/kg	SW846 8270E
Chrysene		988	40	13	ug/kg	SW846 8270E
Dibenzo(a,h)anthracene [j]		141	40	18	ug/kg	SW846 8270E
bis(2-Ethylhexyl)phthalate		16.1 J	80	9.3	ug/kg	SW846 8270E
Fluoranthene		1550	40	18	ug/kg	SW846 8270E
Fluorene		68.1	40	18	ug/kg	SW846 8270E
Indeno(1,2,3-cd)pyrene [j]		703	40	19	ug/kg	SW846 8270E
2-Methylnaphthalene		10.7 J	40	9.0	ug/kg	SW846 8270E
Naphthalene		16.5 J	40	11	ug/kg	SW846 8270E
Phenanthrene		701	40	13	ug/kg	SW846 8270E
Pyrene		1870	40	13	ug/kg	SW846 8270E
Total TIC, Semi-Volatile		21510 J			ug/kg	

Summary of Hits

Job Number: JD47845
Account: SESI Consulting Engineers
Project: 4th 83rd Street, Pelham, NY
Collected: 07/05/22 thru 07/06/22

Lab Sample ID / Client Sample ID / Analyte	Result/ Qual	RL	MDL	Units	Method
gamma-Chlordane [i]	2.7	0.76	0.35	ug/kg	SW846 8081B
4,4'-DDD [e]	51.2	0.76	0.70	ug/kg	SW846 8081B
4,4'-DDE [e]	16.0	0.76	0.67	ug/kg	SW846 8081B
4,4'-DDT [e]	24.5 B	0.76	0.68	ug/kg	SW846 8081B
Heptachlor epoxide [i]	1.7	0.76	0.54	ug/kg	SW846 8081B
Aluminum	10900	62		mg/kg	SW846 6010D
Arsenic [f]	7.8	4.9		mg/kg	SW846 6010D
Barium	144	25		mg/kg	SW846 6010D
Beryllium	0.67	0.25		mg/kg	SW846 6010D
Cadmium	1.2	0.62		mg/kg	SW846 6010D
Calcium	25600	1200		mg/kg	SW846 6010D
Chromium	24.6	1.2		mg/kg	SW846 6010D
Cobalt	16.8	6.2		mg/kg	SW846 6010D
Copper [f]	229	6.2		mg/kg	SW846 6010D
Iron	32300	120		mg/kg	SW846 6010D
Lead	219	2.5		mg/kg	SW846 6010D
Magnesium	14600	620		mg/kg	SW846 6010D
Manganese [f]	305	3.7		mg/kg	SW846 6010D
Mercury	0.12	0.038		mg/kg	SW846 7471B
Nickel	28.5	4.9		mg/kg	SW846 6010D
Potassium	2680	1200		mg/kg	SW846 6010D
Vanadium	31.5	6.2		mg/kg	SW846 6010D
Zinc	187	6.2		mg/kg	SW846 6010D
JD47845-11A SB-9 (4-4.5')					
Perfluoropentanoic acid [k]	0.76	0.61	0.30	ug/kg	EPA 537M BY ID
Perfluorooctanesulfonic acid [k]	0.62	0.61	0.24	ug/kg	EPA 537M BY ID
JD47845-12 SB-9 (6.5-7')					
Acetone	13.8 J	24	9.9	ug/kg	SW846 8260D
Benzo(a)anthracene [l]	22.6 J	70	20	ug/kg	SW846 8270E
Pyrene [l]	30.0 J	70	22	ug/kg	SW846 8270E
Total TIC, Semi-Volatile	63590 J			ug/kg	
4,4'-DDT [e]	7.0 B	1.3	1.2	ug/kg	SW846 8081B
Aluminum	24900	110		mg/kg	SW846 6010D
Arsenic	5.0	4.3		mg/kg	SW846 6010D
Barium	195	43		mg/kg	SW846 6010D
Beryllium	1.4	0.43		mg/kg	SW846 6010D
Cadmium	1.5	1.1		mg/kg	SW846 6010D
Calcium	7450	1100		mg/kg	SW846 6010D
Chromium	60.0	2.2		mg/kg	SW846 6010D
Copper	49.5	5.4		mg/kg	SW846 6010D
Iron	14500	110		mg/kg	SW846 6010D

Summary of Hits

Job Number: JD47845
Account: SESI Consulting Engineers
Project: 4th 83rd Street, Pelham, NY
Collected: 07/05/22 thru 07/06/22

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Lead		39.0	4.3		mg/kg	SW846 6010D
Magnesium		4320	1100		mg/kg	SW846 6010D
Manganese		212	3.3		mg/kg	SW846 6010D
Mercury		0.36	0.067		mg/kg	SW846 7471B
Nickel		51.4	8.7		mg/kg	SW846 6010D
Selenium		5.0	4.3		mg/kg	SW846 6010D
Vanadium		47.1	11		mg/kg	SW846 6010D
Zinc		76.1	11		mg/kg	SW846 6010D
JD47845-12A	**SB-9 (6.5-7')**					
Perfluoropentanoic acid [k]		2.2	1.0	0.52	ug/kg	EPA 537M BY ID
Perfluorohexanoic acid [k]		1.0	1.0	0.52	ug/kg	EPA 537M BY ID
Perfluoroheptanoic acid [k]		0.63 J	1.0	0.52	ug/kg	EPA 537M BY ID
JD47845-13	**SB-13 (2-2.5')**					
Benzo(a)anthracene		31.5 J	37	10	ug/kg	SW846 8270E
Benzo(a)pyrene		22.7 J	37	17	ug/kg	SW846 8270E
Benzo(b)fluoranthene		27.3 J	37	16	ug/kg	SW846 8270E
Chrysene		23.4 J	37	12	ug/kg	SW846 8270E
Fluoranthene		38.7	37	16	ug/kg	SW846 8270E
Indeno(1,2,3-cd)pyrene		19.3 J	37	17	ug/kg	SW846 8270E
Pyrene		48.3	37	12	ug/kg	SW846 8270E
4,4'-DDD		0.73	0.70	0.64	ug/kg	SW846 8081B
4,4'-DDT [d]		10.5 B	0.70	0.62	ug/kg	SW846 8081B
Aluminum		8960	56		mg/kg	SW846 6010D
Arsenic		2.6	2.2		mg/kg	SW846 6010D
Barium		48.3	22		mg/kg	SW846 6010D
Beryllium		0.42	0.22		mg/kg	SW846 6010D
Cadmium		0.67	0.56		mg/kg	SW846 6010D
Calcium		1380	560		mg/kg	SW846 6010D
Chromium		20.9	1.1		mg/kg	SW846 6010D
Cobalt		8.2	5.6		mg/kg	SW846 6010D
Copper		14.3	2.8		mg/kg	SW846 6010D
Iron		16300	56		mg/kg	SW846 6010D
Lead		16.5	2.2		mg/kg	SW846 6010D
Magnesium		3790	560		mg/kg	SW846 6010D
Manganese		271	1.7		mg/kg	SW846 6010D
Nickel		17.7	4.5		mg/kg	SW846 6010D
Potassium		1810	1100		mg/kg	SW846 6010D
Vanadium		24.5	5.6		mg/kg	SW846 6010D
Zinc		46.1	5.6		mg/kg	SW846 6010D

Summary of Hits

Job Number: JD47845
Account: SESI Consulting Engineers
Project: 4th 83rd Street, Pelham, NY
Collected: 07/05/22 thru 07/06/22

Lab Sample ID / Analyte	Client Sample ID / Result/ Qual	RL	MDL	Units	Method
JD47845-13A	**SB-13 (2-2.5')**				
No hits reported in this sample.					
JD47845-14	**SB-13 (4-4.5')**				
Benzo(a)anthracene	19.5 J	38	11	ug/kg	SW846 8270E
Chrysene	14.6 J	38	12	ug/kg	SW846 8270E
Fluoranthene	20.7 J	38	17	ug/kg	SW846 8270E
Pyrene	24.2 J	38	12	ug/kg	SW846 8270E
Total TIC, Semi-Volatile	180 J			ug/kg	
4,4'-DDT [d]	1.8 B	0.73	0.65	ug/kg	SW846 8081B
Aluminum	10000	59		mg/kg	SW846 6010D
Barium	45.3	23		mg/kg	SW846 6010D
Beryllium	0.42	0.23		mg/kg	SW846 6010D
Calcium	801	590		mg/kg	SW846 6010D
Chromium	16.0	1.2		mg/kg	SW846 6010D
Cobalt	6.2	5.9		mg/kg	SW846 6010D
Copper	7.0	2.9		mg/kg	SW846 6010D
Iron	16300	59		mg/kg	SW846 6010D
Lead	9.7	2.3		mg/kg	SW846 6010D
Magnesium	2080	590		mg/kg	SW846 6010D
Manganese	248	1.8		mg/kg	SW846 6010D
Nickel	13.0	4.7		mg/kg	SW846 6010D
Vanadium	18.7	5.9		mg/kg	SW846 6010D
Zinc	45.2	5.9		mg/kg	SW846 6010D
JD47845-14A	**SB-13 (4-4.5')**				
No hits reported in this sample.					
JD47845-15	**DUP-1**				
Total TIC, Semi-Volatile	1430 J			ug/kg	
4,4'-DDT [d]	2.6 B	0.80	0.71	ug/kg	SW846 8081B
Aluminum	8900	62		mg/kg	SW846 6010D
Barium	110	25		mg/kg	SW846 6010D
Beryllium	0.39	0.25		mg/kg	SW846 6010D
Calcium	1790	620		mg/kg	SW846 6010D
Chromium	15.4	1.2		mg/kg	SW846 6010D
Copper	10.0	3.1		mg/kg	SW846 6010D
Iron	6750	62		mg/kg	SW846 6010D
Lead	4.9	2.5		mg/kg	SW846 6010D
Magnesium	2030	620		mg/kg	SW846 6010D
Manganese	118	1.9		mg/kg	SW846 6010D

Summary of Hits

Job Number: JD47845
Account: SESI Consulting Engineers
Project: 4th 83rd Street, Pelham, NY
Collected: 07/05/22 thru 07/06/22

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Mercury		0.089	0.038		mg/kg	SW846 7471B
Nickel		12.7	5.0		mg/kg	SW846 6010D
Vanadium		14.3	6.2		mg/kg	SW846 6010D
Zinc		63.7	6.2		mg/kg	SW846 6010D

JD47845-15A DUP-1

No hits reported in this sample.

(a) Internal standard Chrysene-d12 outside control limits due to matrix interference. Confirmed by MS.
(b) Internal standard Chrysene-d12 outside control limits due to matrix interference. Confirmed by MS. Estimated value, due to corresponding internal standard failing low.
(c) Internal standard Chrysene-d12 outside control limits due to matrix interference. Confirmed by MS. Associated CCV outside of control limits high. Estimated value, due to corresponding failure in the batch associated CCV.
(d) More than 40 % RPD for detected concentrations between the two GC columns.
(e) Had TBA cleanup.
(f) Elevated detection limit due to dilution required for high interfering element.
(g) Internal standard Chrysene-d12 outside control limits due to matrix interference. Confirmed by reanalysis.
(h) Internal standard Chrysene-d12 outside control limits due to matrix interference. Confirmed by reanalysis. Estimated value, due to corresponding internal standard failing low.
(i) Had TBA cleanup. More than 40 % RPD for detected concentrations between the two GC columns.
(j) Associated CCV outside of control limits high. Estimated value, due to corresponding failure in the batch associated CCV.
(k) Analysis performed at SGS Orlando, FL.
(l) Estimated value, due to corresponding internal standard failing low.

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	SB-14 (1.5-2')		
Lab Sample ID:	JD47845-1	**Date Sampled:**	07/06/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
Method:	SW846 8260D SW846 5035	**Percent Solids:**	89.7
Project:	4th 83rd Street, Pelham, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1C187357.D	1	07/13/22 15:27	PS	07/07/22 12:42	n/a	V1C8142
Run #2							

	Initial Weight
Run #1	4.5 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	12	5.1	ug/kg	
71-43-2	Benzene	ND	0.62	0.56	ug/kg	
74-97-5	Bromochloromethane	ND	6.2	0.69	ug/kg	
75-27-4	Bromodichloromethane	ND	2.5	0.53	ug/kg	
75-25-2	Bromoform	ND	6.2	1.7	ug/kg	
74-83-9	Bromomethane	ND	6.2	0.95	ug/kg	
78-93-3	2-Butanone (MEK)	ND	12	3.0	ug/kg	
75-15-0	Carbon disulfide	ND	2.5	0.66	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.5	0.77	ug/kg	
108-90-7	Chlorobenzene	ND	2.5	0.57	ug/kg	
75-00-3	Chloroethane	ND	6.2	0.73	ug/kg	
67-66-3	Chloroform	ND	2.5	0.64	ug/kg	
74-87-3	Chloromethane	ND	6.2	2.4	ug/kg	
110-82-7	Cyclohexane	ND	2.5	0.81	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.86	ug/kg	
124-48-1	Dibromochloromethane	ND	2.5	0.69	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.2	0.52	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	1.2	0.68	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	1.2	0.61	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	1.2	0.61	ug/kg	
75-71-8	Dichlorodifluoromethane [a]	ND	6.2	0.90	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.2	0.61	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.2	0.58	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.2	0.81	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.2	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.2	0.76	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.5	0.59	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.5	0.59	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.5	0.57	ug/kg	
100-41-4	Ethylbenzene	ND	1.2	0.56	ug/kg	
76-13-1	Freon 113	ND	6.2	3.3	ug/kg	
591-78-6	2-Hexanone	ND	6.2	2.6	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-14 (1.5-2')		
Lab Sample ID:	JD47845-1	**Date Sampled:**	07/06/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
Method:	SW846 8260D SW846 5035	**Percent Solids:**	89.7
Project:	4th 83rd Street, Pelham, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	2.5	1.8	ug/kg	
79-20-9	Methyl Acetate [a]	ND	6.2	1.7	ug/kg	
108-87-2	Methylcyclohexane	ND	2.5	1.1	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.2	0.58	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	6.2	2.8	ug/kg	
75-09-2	Methylene chloride	ND	6.2	3.2	ug/kg	
100-42-5	Styrene	ND	2.5	0.50	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.5	0.74	ug/kg	
127-18-4	Tetrachloroethene	ND	2.5	0.72	ug/kg	
108-88-3	Toluene	ND	1.2	0.65	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	6.2	3.1	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.2	3.1	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.60	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.5	0.69	ug/kg	
79-01-6	Trichloroethene	ND	1.2	0.94	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.2	0.85	ug/kg	
75-01-4	Vinyl chloride	ND	2.5	0.60	ug/kg	
	m,p-Xylene	ND	1.2	1.1	ug/kg	
95-47-6	o-Xylene	ND	1.2	0.57	ug/kg	
1330-20-7	Xylene (total)	ND	1.2	0.57	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		80-124%
17060-07-0	1,2-Dichloroethane-D4	107%		75-133%
2037-26-5	Toluene-D8	98%		79-125%
460-00-4	4-Bromofluorobenzene	104%		58-148%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-14 (1.5-2')		
Lab Sample ID:	JD47845-1	**Date Sampled:**	07/06/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
Method:	SW846 8270E SW846 3546	**Percent Solids:**	89.7
Project:	4th 83rd Street, Pelham, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6P504431.D	1	07/11/22 16:56	NAP	07/08/22 17:00	OP40691	E6P3641
Run #2							

	Initial Weight	Final Volume
Run #1	30.4 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	73	18	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	180	22	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	180	31	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	180	65	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	180	140	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	180	39	ug/kg	
95-48-7	2-Methylphenol	ND	73	23	ug/kg	
	3&4-Methylphenol	ND	73	30	ug/kg	
88-75-5	2-Nitrophenol	ND	180	24	ug/kg	
100-02-7	4-Nitrophenol	ND	370	98	ug/kg	
87-86-5	Pentachlorophenol [b]	ND	150	34	ug/kg	
108-95-2	Phenol	ND	73	19	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	180	24	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	180	27	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	180	22	ug/kg	
83-32-9	Acenaphthene	ND	37	13	ug/kg	
208-96-8	Acenaphthylene	29.8	37	19	ug/kg	J
98-86-2	Acetophenone	ND	180	7.9	ug/kg	
120-12-7	Anthracene	38.8	37	22	ug/kg	
1912-24-9	Atrazine	ND	73	16	ug/kg	
56-55-3	Benzo(a)anthracene [c]	440	37	10	ug/kg	
50-32-8	Benzo(a)pyrene	308	37	17	ug/kg	
205-99-2	Benzo(b)fluoranthene [d]	386	37	16	ug/kg	
191-24-2	Benzo(g,h,i)perylene	258	37	18	ug/kg	
207-08-9	Benzo(k)fluoranthene	137	37	17	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	73	14	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	73	8.9	ug/kg	
92-52-4	1,1'-Biphenyl	ND	73	5.0	ug/kg	
100-52-7	Benzaldehyde	ND	180	9.1	ug/kg	
91-58-7	2-Chloronaphthalene	ND	73	8.7	ug/kg	
106-47-8	4-Chloroaniline	ND	180	13	ug/kg	
86-74-8	Carbazole	10.7	73	5.3	ug/kg	J

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B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-14 (1.5-2')		
Lab Sample ID:	JD47845-1	**Date Sampled:**	07/06/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
Method:	SW846 8270E SW846 3546	**Percent Solids:**	89.7
Project:	4th 83rd Street, Pelham, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	73	14	ug/kg	
218-01-9	Chrysene [c]	368	37	12	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	73	7.8	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	73	16	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	73	13	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	73	12	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	37	11	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	37	18	ug/kg	
91-94-1	3,3'-Dichlorobenzidine [e]	ND	73	31	ug/kg	
123-91-1	1,4-Dioxane [b]	ND	37	24	ug/kg	
53-70-3	Dibenzo(a,h)anthracene [d]	64.9	37	16	ug/kg	
132-64-9	Dibenzofuran	ND	73	15	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	73	6.0	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	73	9.1	ug/kg	
84-66-2	Diethyl phthalate	ND	73	7.8	ug/kg	
131-11-3	Dimethyl phthalate	ND	73	6.5	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	73	8.6	ug/kg	
206-44-0	Fluoranthene	483	37	16	ug/kg	
86-73-7	Fluorene	ND	37	17	ug/kg	
118-74-1	Hexachlorobenzene	ND	73	9.3	ug/kg	
87-68-3	Hexachlorobutadiene	ND	37	15	ug/kg	
77-47-4	Hexachlorocyclopentadiene [b]	ND	370	15	ug/kg	
67-72-1	Hexachloroethane	ND	180	18	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene [d]	281	37	17	ug/kg	
78-59-1	Isophorone	ND	73	7.8	ug/kg	
91-57-6	2-Methylnaphthalene	ND	37	8.3	ug/kg	
88-74-4	2-Nitroaniline	ND	180	8.7	ug/kg	
99-09-2	3-Nitroaniline	ND	180	9.2	ug/kg	
100-01-6	4-Nitroaniline	ND	180	9.5	ug/kg	
91-20-3	Naphthalene	ND	37	10	ug/kg	
98-95-3	Nitrobenzene	ND	73	14	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	73	11	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	180	13	ug/kg	
85-01-8	Phenanthrene	143	37	12	ug/kg	
129-00-0	Pyrene [c]	601	37	12	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	180	9.3	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	22%		10-99%

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-14 (1.5-2')		
Lab Sample ID:	JD47845-1	**Date Sampled:**	07/06/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
Method:	SW846 8270E SW846 3546	**Percent Solids:**	89.7
Project:	4th 83rd Street, Pelham, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	23%		10-96%
118-79-6	2,4,6-Tribromophenol	11%		10-123%
4165-60-0	Nitrobenzene-d5	25%		10-109%
321-60-8	2-Fluorobiphenyl	25%		11-109%
1718-51-0	Terphenyl-d14	36%		10-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	2.85	260	ug/kg	J
	system artifact/aldol-condensation	2.92	340	ug/kg	J
	system artifact	3.05	170	ug/kg	J
	unknown	3.66	170	ug/kg	J
	unknown	3.75	300	ug/kg	J
	unknown PAH substance	13.49	230	ug/kg	J
	unknown	14.74	150	ug/kg	J
	Total TIC, Semi-Volatile		850	ug/kg	J

(a) Internal standard Chrysene-d12 outside control limits due to matrix interference. Confirmed by MS.
(b) Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.
(c) Estimated value, due to corresponding internal standard failing low.
(d) Associated CCV outside of control limits high. Estimated value, due to corresponding failure in the batch associated CCV.
(e) Associated CCV outside of control limits high, sample was ND.

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RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-14 (1.5-2')		
Lab Sample ID:	JD47845-1	**Date Sampled:**	07/06/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
Method:	SW846 8081B SW846 3546	**Percent Solids:**	89.7
Project:	4th 83rd Street, Pelham, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G177868.D	1	07/10/22 18:55	TL	07/09/22 10:00	OP40701	G1G6172
Run #2							

	Initial Weight	Final Volume
Run #1	16.3 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.68	0.56	ug/kg	
319-84-6	alpha-BHC	ND	0.68	0.56	ug/kg	
319-85-7	beta-BHC	ND	0.68	0.62	ug/kg	
319-86-8	delta-BHC	ND	0.68	0.66	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.68	0.50	ug/kg	
5103-71-9	alpha-Chlordane	ND	0.68	0.55	ug/kg	
5103-74-2	gamma-Chlordane	ND	0.68	0.31	ug/kg	
60-57-1	Dieldrin	ND	0.68	0.47	ug/kg	
72-54-8	4,4'-DDD	ND	0.68	0.63	ug/kg	
72-55-9	4,4'-DDE	ND	0.68	0.60	ug/kg	
50-29-3	4,4'-DDT [a]	4.8	0.68	0.61	ug/kg	B
72-20-8	Endrin	ND	0.68	0.53	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.68	0.53	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.68	0.39	ug/kg	
959-98-8	Endosulfan-I	ND	0.68	0.39	ug/kg	
33213-65-9	Endosulfan-II	5.5	0.68	0.43	ug/kg	
76-44-8	Heptachlor	ND	0.68	0.59	ug/kg	
1024-57-3	Heptachlor epoxide	ND	0.68	0.48	ug/kg	
72-43-5	Methoxychlor	ND	1.4	0.54	ug/kg	
53494-70-5	Endrin ketone	ND	0.68	0.49	ug/kg	
8001-35-2	Toxaphene	ND	17	16	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	60%		14-145%
877-09-8	Tetrachloro-m-xylene	67%		14-145%
2051-24-3	Decachlorobiphenyl	73%		10-197%
2051-24-3	Decachlorobiphenyl	195%		10-197%

(a) More than 40 % RPD for detected concentrations between the two GC columns.

ND = Not detected MDL = Method Detection Limit
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E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-14 (1.5-2')		
Lab Sample ID:	JD47845-1	**Date Sampled:**	07/06/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
Method:	SW846 8082A SW846 3546	**Percent Solids:**	89.7
Project:	4th 83rd Street, Pelham, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX2484447.D	1	07/11/22 14:24	CL	07/09/22 10:00	OP40703	GXX7853
Run #2							

	Initial Weight	Final Volume
Run #1	16.3 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	34	16	ug/kg	
11104-28-2	Aroclor 1221	ND	34	21	ug/kg	
11141-16-5	Aroclor 1232	ND	34	22	ug/kg	
53469-21-9	Aroclor 1242	ND	34	14	ug/kg	
12672-29-6	Aroclor 1248	ND	34	31	ug/kg	
11097-69-1	Aroclor 1254	ND	34	18	ug/kg	
11096-82-5	Aroclor 1260	ND	34	15	ug/kg	
11100-14-4	Aroclor 1268	ND	34	14	ug/kg	
37324-23-5	Aroclor 1262	ND	34	22	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	57%		10-163%
877-09-8	Tetrachloro-m-xylene	70%		10-163%
2051-24-3	Decachlorobiphenyl	56%		10-215%
2051-24-3	Decachlorobiphenyl	74%		10-215%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB-14 (1.5-2')
Lab Sample ID: JD47845-1
Matrix: SO - Soil
Project: 4th 83rd Street, Pelham, NY

Date Sampled: 07/06/22
Date Received: 07/06/22
Percent Solids: 89.7

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	13400	55	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [4]
Antimony	< 2.2	2.2	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [4]
Arsenic	10.4	2.2	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [4]
Barium	126	22	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [4]
Beryllium	0.74	0.22	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [4]
Cadmium	1.8	0.55	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [4]
Calcium	61100	2800	mg/kg	5	07/08/22	07/11/22	ND	SW846 6010D [3]	SW846 3050B [4]
Chromium	22.2	1.1	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [4]
Cobalt	7.6	5.5	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [4]
Copper	149	2.8	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [4]
Iron	19900	55	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [4]
Lead	482	2.2	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [4]
Magnesium	4870	550	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [4]
Manganese	736	1.7	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [4]
Mercury	0.042	0.037	mg/kg	1	07/08/22	07/11/22	LM	SW846 7471B [1]	SW846 7471B [5]
Nickel	20.2	4.4	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [4]
Potassium	1830	1100	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [4]
Selenium	5.7	2.2	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [4]
Silver	0.64	0.55	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [4]
Sodium	1540	1100	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [4]
Thallium	< 1.1	1.1	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [4]
Vanadium	25.7	5.5	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [4]
Zinc	395	5.5	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA52698
(2) Instrument QC Batch: MA52704
(3) Instrument QC Batch: MA52711
(4) Prep QC Batch: MP33956
(5) Prep QC Batch: MP33996

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB-14 (1.5-2')		
Lab Sample ID:	JD47845-1	**Date Sampled:**	07/06/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
		Percent Solids:	89.7
Project:	4th 83rd Street, Pelham, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	0.33	0.29	mg/kg	1	07/11/22 13:13	BR	SW846 9012B/LACHAT
Solids, Percent	89.7		%	1	07/07/22 15:56	BG	SM2540 G 18TH ED MOD

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB-14 (1.5-2')		
Lab Sample ID:	JD47845-1A	**Date Sampled:**	07/06/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	89.7
Project:	4th 83rd Street, Pelham, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	5Q2372.D	1	07/28/22 17:26	AFL	07/18/22 06:30	F:OP92125	F:S5Q39
Run #2 [b]	5Q2452.D	5	07/29/22 23:10	AFL	07/18/22 06:30	F:OP92125	F:S5Q40

	Initial Weight	Final Volume
Run #1	2.03 g	1.0 ml
Run #2	2.03 g	1.0 ml

PFAS List

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYLCARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	ND	1.1	0.42	ug/kg	
2706-90-3	Perfluoropentanoic acid	ND	0.55	0.27	ug/kg	
307-24-4	Perfluorohexanoic acid	ND	0.55	0.27	ug/kg	
375-85-9	Perfluoroheptanoic acid	ND	0.55	0.27	ug/kg	
335-67-1	Perfluorooctanoic acid	ND	0.55	0.27	ug/kg	
375-95-1	Perfluorononanoic acid	ND	0.55	0.27	ug/kg	
335-76-2	Perfluorodecanoic acid	ND	0.55	0.27	ug/kg	
2058-94-8	Perfluoroundecanoic acid	ND	0.55	0.27	ug/kg	
307-55-1	Perfluorododecanoic acid	ND	0.55	0.27	ug/kg	
72629-94-8	Perfluorotridecanoic acid	ND	0.55	0.29	ug/kg	
376-06-7	Perfluorotetradecanoic acid	ND	0.55	0.27	ug/kg	
PERFLUOROALKYLSULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.55	0.27	ug/kg	
355-46-4	Perfluorohexanesulfonic acid	ND	0.55	0.27	ug/kg	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.55	0.27	ug/kg	
1763-23-1	Perfluorooctanesulfonic acid	ND	0.55	0.22	ug/kg	
335-77-3	Perfluorodecanesulfonic acid	ND	0.55	0.27	ug/kg	
PERFLUOROOCTANESULFONAMIDES						
754-91-6	PFOSA	ND	0.55	0.27	ug/kg	
PERFLUOROOCTANESULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA [c]	ND	1.1	0.55	ug/kg	
2991-50-6	EtFOSAA	ND	1.1	0.55	ug/kg	
FLUOROTELOMER SULFONATES						
27619-97-2	6:2 Fluorotelomer sulfonate	ND	1.1	0.27	ug/kg	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	1.1	0.27	ug/kg	

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-14 (1.5-2')		
Lab Sample ID:	JD47845-1A	**Date Sampled:**	07/06/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	89.7
Project:	4th 83rd Street, Pelham, NY		

PFAS List

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	89%	91%	40-140%
	13C5-PFPeA	98%	95%	50-150%
	13C5-PFHxA	100%	95%	50-150%
	13C4-PFHpA	103%	94%	50-150%
	13C8-PFOA	103%	97%	50-150%
	13C9-PFNA	105%	99%	50-150%
	13C6-PFDA	107%	98%	50-150%
	13C7-PFUnDA	95%	93%	40-140%
	13C2-PFDoDA	93%	89%	40-140%
	13C2-PFTeDA	96%	89%	30-130%
	13C3-PFBS	98%	96%	50-150%
	13C3-PFHxS	99%	102%	50-150%
	13C8-PFOS	102%	96%	50-150%
	13C8-FOSA	105%	99%	30-130%
	d3-MeFOSAA	143% [d]	116%	40-140%
	d5-EtFOSAA	137%	113%	40-140%
	13C2-6:2FTS	101%	91%	50-150%
	13C2-8:2FTS	112%	94%	50-150%

(a) Analysis performed at SGS Orlando, FL.
(b) Confirmation run. Analysis performed at SGS Orlando, FL.
(c) Associated ID Standard outside control limits.
(d) Outside control limits.

Report of Analysis

Client Sample ID: SB-14 (3.5-4')
Lab Sample ID: JD47845-2
Matrix: SO - Soil
Method: SW846 8260D SW846 5035
Project: 4th 83rd Street, Pelham, NY

Date Sampled: 07/06/22
Date Received: 07/06/22
Percent Solids: 75.7

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1C187358.D	1	07/13/22 15:53	PS	07/07/22 12:42	n/a	V1C8142
Run #2							

	Initial Weight
Run #1	5.6 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	12	4.9	ug/kg	
71-43-2	Benzene	ND	0.59	0.54	ug/kg	
74-97-5	Bromochloromethane	ND	5.9	0.66	ug/kg	
75-27-4	Bromodichloromethane	ND	2.4	0.51	ug/kg	
75-25-2	Bromoform	ND	5.9	1.6	ug/kg	
74-83-9	Bromomethane	ND	5.9	0.90	ug/kg	
78-93-3	2-Butanone (MEK)	ND	12	2.9	ug/kg	
75-15-0	Carbon disulfide	ND	2.4	0.63	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.4	0.73	ug/kg	
108-90-7	Chlorobenzene	ND	2.4	0.54	ug/kg	
75-00-3	Chloroethane	ND	5.9	0.70	ug/kg	
67-66-3	Chloroform	ND	2.4	0.61	ug/kg	
74-87-3	Chloromethane	ND	5.9	2.3	ug/kg	
110-82-7	Cyclohexane	ND	2.4	0.77	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.4	0.82	ug/kg	
124-48-1	Dibromochloromethane	ND	2.4	0.66	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.2	0.50	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	1.2	0.64	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	1.2	0.59	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	1.2	0.58	ug/kg	
75-71-8	Dichlorodifluoromethane [a]	ND	5.9	0.86	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.2	0.58	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.2	0.55	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.2	0.77	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.2	0.99	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.2	0.72	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.4	0.56	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.4	0.56	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.4	0.54	ug/kg	
100-41-4	Ethylbenzene	ND	1.2	0.53	ug/kg	
76-13-1	Freon 113	ND	5.9	3.1	ug/kg	
591-78-6	2-Hexanone	ND	5.9	2.5	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB-14 (3.5-4')
Lab Sample ID: JD47845-2
Matrix: SO - Soil
Method: SW846 8260D SW846 5035
Project: 4th 83rd Street, Pelham, NY

Date Sampled: 07/06/22
Date Received: 07/06/22
Percent Solids: 75.7

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	2.4	1.7	ug/kg	
79-20-9	Methyl Acetate [a]	ND	5.9	1.6	ug/kg	
108-87-2	Methylcyclohexane	ND	2.4	1.0	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.2	0.55	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.9	2.7	ug/kg	
75-09-2	Methylene chloride	ND	5.9	3.1	ug/kg	
100-42-5	Styrene	ND	2.4	0.47	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.4	0.71	ug/kg	
127-18-4	Tetrachloroethene	ND	2.4	0.68	ug/kg	
108-88-3	Toluene	ND	1.2	0.62	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.9	2.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.9	2.9	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.4	0.57	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.4	0.65	ug/kg	
79-01-6	Trichloroethene	ND	1.2	0.90	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.9	0.81	ug/kg	
75-01-4	Vinyl chloride	ND	2.4	0.57	ug/kg	
	m,p-Xylene	ND	1.2	1.1	ug/kg	
95-47-6	o-Xylene	ND	1.2	0.54	ug/kg	
1330-20-7	Xylene (total)	ND	1.2	0.54	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		80-124%
17060-07-0	1,2-Dichloroethane-D4	106%		75-133%
2037-26-5	Toluene-D8	98%		79-125%
460-00-4	4-Bromofluorobenzene	104%		58-148%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-14 (3.5-4')		
Lab Sample ID:	JD47845-2	**Date Sampled:**	07/06/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
Method:	SW846 8270E SW846 3546	**Percent Solids:**	75.7
Project:	4th 83rd Street, Pelham, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6P504401A.D	1	07/10/22 16:27	KLS	07/08/22 17:00	OP40691	E6P3640
Run #2							

	Initial Weight	Final Volume
Run #1	30.9 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	86	21	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	210	26	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	210	36	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	210	76	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	210	160	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	210	46	ug/kg	
95-48-7	2-Methylphenol	ND	86	27	ug/kg	
	3&4-Methylphenol	ND	86	35	ug/kg	
88-75-5	2-Nitrophenol	ND	210	28	ug/kg	
100-02-7	4-Nitrophenol	ND	430	110	ug/kg	
87-86-5	Pentachlorophenol	ND	170	40	ug/kg	
108-95-2	Phenol	ND	86	22	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	210	28	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	210	32	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	210	25	ug/kg	
83-32-9	Acenaphthene	ND	43	15	ug/kg	
208-96-8	Acenaphthylene	ND	43	22	ug/kg	
98-86-2	Acetophenone	ND	210	9.2	ug/kg	
120-12-7	Anthracene	ND	43	26	ug/kg	
1912-24-9	Atrazine	ND	86	18	ug/kg	
56-55-3	Benzo(a)anthracene	ND	43	12	ug/kg	
50-32-8	Benzo(a)pyrene	ND	43	19	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	43	19	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	43	21	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	43	20	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	86	17	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	86	10	ug/kg	
92-52-4	1,1'-Biphenyl	ND	86	5.9	ug/kg	
100-52-7	Benzaldehyde	ND	210	11	ug/kg	
91-58-7	2-Chloronaphthalene	ND	86	10	ug/kg	
106-47-8	4-Chloroaniline	ND	210	15	ug/kg	
86-74-8	Carbazole	ND	86	6.2	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB-14 (3.5-4')
Lab Sample ID: JD47845-2
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: 4th 83rd Street, Pelham, NY

Date Sampled: 07/06/22
Date Received: 07/06/22
Percent Solids: 75.7

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	86	17	ug/kg	
218-01-9	Chrysene	ND	43	13	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	86	9.1	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	86	18	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	86	15	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	86	14	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	43	13	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	43	21	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	86	36	ug/kg	
123-91-1	1,4-Dioxane	ND	43	28	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	43	19	ug/kg	
132-64-9	Dibenzofuran	ND	86	17	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	86	7.0	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	86	11	ug/kg	
84-66-2	Diethyl phthalate	ND	86	9.1	ug/kg	
131-11-3	Dimethyl phthalate	ND	86	7.6	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate [a]	ND	86	10	ug/kg	
206-44-0	Fluoranthene	ND	43	19	ug/kg	
86-73-7	Fluorene	ND	43	20	ug/kg	
118-74-1	Hexachlorobenzene	ND	86	11	ug/kg	
87-68-3	Hexachlorobutadiene	ND	43	17	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	430	17	ug/kg	
67-72-1	Hexachloroethane	ND	210	21	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	43	20	ug/kg	
78-59-1	Isophorone	ND	86	9.1	ug/kg	
91-57-6	2-Methylnaphthalene	ND	43	9.7	ug/kg	
88-74-4	2-Nitroaniline	ND	210	10	ug/kg	
99-09-2	3-Nitroaniline	ND	210	11	ug/kg	
100-01-6	4-Nitroaniline	ND	210	11	ug/kg	
91-20-3	Naphthalene	ND	43	12	ug/kg	
98-95-3	Nitrobenzene	ND	86	17	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	86	12	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	210	16	ug/kg	
85-01-8	Phenanthrene	ND	43	14	ug/kg	
129-00-0	Pyrene	ND	43	14	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	210	11	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	40%		10-99%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-14 (3.5-4')		
Lab Sample ID:	JD47845-2	**Date Sampled:**	07/06/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
Method:	SW846 8270E SW846 3546	**Percent Solids:**	75.7
Project:	4th 83rd Street, Pelham, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	37%		10-96%
118-79-6	2,4,6-Tribromophenol	45%		10-123%
4165-60-0	Nitrobenzene-d5	44%		10-109%
321-60-8	2-Fluorobiphenyl	44%		11-109%
1718-51-0	Terphenyl-d14	59%		10-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	System artifact	1.62	940	ug/kg	J
	System artifact	2.74	280	ug/kg	J
	System artifact	2.81	220	ug/kg	J
	System artifact	2.87	930	ug/kg	J
	System artifact/aldol-condensation	2.93	310	ug/kg	J
	System artifact	3.06	550	ug/kg	J
	System artifact	3.75	190	ug/kg	J
103-82-2	Benzeneacetic acid	5.36	190	ug/kg	JN
	Alkene	12.64	230	ug/kg	J
	Total TIC, Semi-Volatile		420	ug/kg	J

(a) Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-14 (3.5-4')		
Lab Sample ID:	JD47845-2	**Date Sampled:**	07/06/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
Method:	SW846 8081B SW846 3546	**Percent Solids:**	75.7
Project:	4th 83rd Street, Pelham, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	1G177955.D	1	07/12/22 05:03	CP	07/09/22 10:00	OP40701	G1G6175
Run #2							

	Initial Weight	Final Volume
Run #1	16.2 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.82	0.67	ug/kg	
319-84-6	alpha-BHC	ND	0.82	0.66	ug/kg	
319-85-7	beta-BHC	ND	0.82	0.74	ug/kg	
319-86-8	delta-BHC	ND	0.82	0.78	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.82	0.60	ug/kg	
5103-71-9	alpha-Chlordane	ND	0.82	0.66	ug/kg	
5103-74-2	gamma-Chlordane	ND	0.82	0.37	ug/kg	
60-57-1	Dieldrin	ND	0.82	0.56	ug/kg	
72-54-8	4,4'-DDD	ND	0.82	0.75	ug/kg	
72-55-9	4,4'-DDE	ND	0.82	0.72	ug/kg	
50-29-3	4,4'-DDT	6.3	0.82	0.72	ug/kg	B
72-20-8	Endrin	ND	0.82	0.63	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.82	0.64	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.82	0.46	ug/kg	
959-98-8	Endosulfan-I	ND	0.82	0.47	ug/kg	
33213-65-9	Endosulfan-II	ND	0.82	0.51	ug/kg	
76-44-8	Heptachlor	ND	0.82	0.70	ug/kg	
1024-57-3	Heptachlor epoxide	ND	0.82	0.57	ug/kg	
72-43-5	Methoxychlor	ND	1.6	0.65	ug/kg	
53494-70-5	Endrin ketone	ND	0.82	0.59	ug/kg	
8001-35-2	Toxaphene	ND	20	19	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	64%		14-145%
877-09-8	Tetrachloro-m-xylene	72%		14-145%
2051-24-3	Decachlorobiphenyl	50%		10-197%
2051-24-3	Decachlorobiphenyl	72%		10-197%

(a) Had TBA cleanup.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-14 (3.5-4')		
Lab Sample ID:	JD47845-2	**Date Sampled:**	07/06/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
Method:	SW846 8082A SW846 3546	**Percent Solids:**	75.7
Project:	4th 83rd Street, Pelham, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX2484448.D	1	07/11/22 14:41	CL	07/09/22 10:00	OP40703	GXX7853
Run #2							

	Initial Weight	Final Volume
Run #1	16.2 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	41	19	ug/kg	
11104-28-2	Aroclor 1221	ND	41	25	ug/kg	
11141-16-5	Aroclor 1232	ND	41	26	ug/kg	
53469-21-9	Aroclor 1242	ND	41	17	ug/kg	
12672-29-6	Aroclor 1248	ND	41	36	ug/kg	
11097-69-1	Aroclor 1254	ND	41	22	ug/kg	
11096-82-5	Aroclor 1260	ND	41	17	ug/kg	
11100-14-4	Aroclor 1268	ND	41	17	ug/kg	
37324-23-5	Aroclor 1262	ND	41	27	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	59%		10-163%
877-09-8	Tetrachloro-m-xylene	71%		10-163%
2051-24-3	Decachlorobiphenyl	56%		10-215%
2051-24-3	Decachlorobiphenyl	70%		10-215%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB-14 (3.5-4')
Lab Sample ID: JD47845-2
Matrix: SO - Soil
Project: 4th 83rd Street, Pelham, NY

Date Sampled: 07/06/22
Date Received: 07/06/22
Percent Solids: 75.7

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	23800	65	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Antimony	< 2.6	2.6	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Arsenic	2.8	2.6	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Barium	165	26	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Beryllium	0.73	0.26	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Cadmium	< 0.65	0.65	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Calcium	4130	650	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Chromium	51.2	1.3	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Cobalt	< 6.5	6.5	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Copper	9.3	3.2	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Iron	15500	65	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Lead	17.8	2.6	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Magnesium	2540	650	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Manganese	148	1.9	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Mercury	0.12	0.042	mg/kg	1	07/08/22	07/11/22	LM	SW846 7471B [1]	SW846 7471B [4]
Nickel	23.8	5.2	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Potassium	< 1300	1300	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Selenium	< 2.6	2.6	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Silver	< 0.65	0.65	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Sodium	1570	1300	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Thallium	< 1.3	1.3	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Vanadium	28.9	6.5	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Zinc	73.0	6.5	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA52698
(2) Instrument QC Batch: MA52704
(3) Prep QC Batch: MP33956
(4) Prep QC Batch: MP33996

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB-14 (3.5-4')		
Lab Sample ID:	JD47845-2	**Date Sampled:**	07/06/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
		Percent Solids:	75.7
Project:	4th 83rd Street, Pelham, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.30	0.30	mg/kg	1	07/11/22 13:14	BR	SW846 9012B/LACHAT
Solids, Percent	75.7		%	1	07/07/22 15:56	BG	SM2540 G 18TH ED MOD

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB-14 (3.5-4')		
Lab Sample ID:	JD47845-2A	**Date Sampled:**	07/06/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	75.7
Project:	4th 83rd Street, Pelham, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	5Q2375.D	1	07/28/22 18:12	AFL	07/18/22 06:30	F:OP92125	F:S5Q39
Run #2							

	Initial Weight	Final Volume
Run #1	2.02 g	1.0 ml
Run #2		

PFAS List

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYLCARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	ND	1.3	0.50	ug/kg	
2706-90-3	Perfluoropentanoic acid	ND	0.65	0.33	ug/kg	
307-24-4	Perfluorohexanoic acid	ND	0.65	0.33	ug/kg	
375-85-9	Perfluoroheptanoic acid	ND	0.65	0.33	ug/kg	
335-67-1	Perfluorooctanoic acid	ND	0.65	0.33	ug/kg	
375-95-1	Perfluorononanoic acid	ND	0.65	0.33	ug/kg	
335-76-2	Perfluorodecanoic acid	ND	0.65	0.33	ug/kg	
2058-94-8	Perfluoroundecanoic acid	ND	0.65	0.33	ug/kg	
307-55-1	Perfluorododecanoic acid	ND	0.65	0.33	ug/kg	
72629-94-8	Perfluorotridecanoic acid	ND	0.65	0.35	ug/kg	
376-06-7	Perfluorotetradecanoic acid	ND	0.65	0.33	ug/kg	
PERFLUOROALKYLSULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.65	0.33	ug/kg	
355-46-4	Perfluorohexanesulfonic acid	ND	0.65	0.33	ug/kg	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.65	0.33	ug/kg	
1763-23-1	Perfluorooctanesulfonic acid	ND	0.65	0.26	ug/kg	
335-77-3	Perfluorodecanesulfonic acid	ND	0.65	0.33	ug/kg	
PERFLUOROOCTANESULFONAMIDES						
754-91-6	PFOSA	ND	0.65	0.33	ug/kg	
PERFLUOROOCTANESULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	1.3	0.65	ug/kg	
2991-50-6	EtFOSAA	ND	1.3	0.65	ug/kg	
FLUOROTELOMER SULFONATES						
27619-97-2	6:2 Fluorotelomer sulfonate	ND	1.3	0.33	ug/kg	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	1.3	0.33	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-14 (3.5-4')		
Lab Sample ID:	JD47845-2A	**Date Sampled:**	07/06/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	75.7
Project:	4th 83rd Street, Pelham, NY		

PFAS List

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	70%		40-140%
	13C5-PFPeA	69%		50-150%
	13C5-PFHxA	70%		50-150%
	13C4-PFHpA	71%		50-150%
	13C8-PFOA	72%		50-150%
	13C9-PFNA	72%		50-150%
	13C6-PFDA	76%		50-150%
	13C7-PFUnDA	75%		40-140%
	13C2-PFDoDA	78%		40-140%
	13C2-PFTeDA	91%		30-130%
	13C3-PFBS	99%		50-150%
	13C3-PFHxS	100%		50-150%
	13C8-PFOS	100%		50-150%
	13C8-FOSA	75%		30-130%
	d3-MeFOSAA	92%		40-140%
	d5-EtFOSAA	89%		40-140%
	13C2-6:2FTS	99%		50-150%
	13C2-8:2FTS	104%		50-150%

(a) Analysis performed at SGS Orlando, FL.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-12 (7-7.5')		
Lab Sample ID:	JD47845-3	**Date Sampled:**	07/06/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
Method:	SW846 8260D SW846 5035	**Percent Solids:**	98.0
Project:	4th 83rd Street, Pelham, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1C187359.D	1	07/13/22 16:20	PS	07/07/22 12:42	n/a	V1C8142
Run #2							

	Initial Weight
Run #1	5.2 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	9.8	4.1	ug/kg	
71-43-2	Benzene	ND	0.49	0.45	ug/kg	
74-97-5	Bromochloromethane	ND	4.9	0.55	ug/kg	
75-27-4	Bromodichloromethane	ND	2.0	0.42	ug/kg	
75-25-2	Bromoform	ND	4.9	1.3	ug/kg	
74-83-9	Bromomethane	ND	4.9	0.75	ug/kg	
78-93-3	2-Butanone (MEK)	ND	9.8	2.4	ug/kg	
75-15-0	Carbon disulfide	ND	2.0	0.52	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.0	0.61	ug/kg	
108-90-7	Chlorobenzene	ND	2.0	0.45	ug/kg	
75-00-3	Chloroethane	ND	4.9	0.58	ug/kg	
67-66-3	Chloroform	ND	2.0	0.51	ug/kg	
74-87-3	Chloromethane	ND	4.9	1.9	ug/kg	
110-82-7	Cyclohexane	ND	2.0	0.64	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.68	ug/kg	
124-48-1	Dibromochloromethane	ND	2.0	0.55	ug/kg	
106-93-4	1,2-Dibromoethane	ND	0.98	0.41	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.98	0.54	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.98	0.49	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.98	0.48	ug/kg	
75-71-8	Dichlorodifluoromethane [a]	ND	4.9	0.71	ug/kg	
75-34-3	1,1-Dichloroethane	ND	0.98	0.49	ug/kg	
107-06-2	1,2-Dichloroethane	ND	0.98	0.46	ug/kg	
75-35-4	1,1-Dichloroethene	ND	0.98	0.64	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.98	0.82	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.98	0.60	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.0	0.46	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	0.47	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	0.45	ug/kg	
100-41-4	Ethylbenzene	ND	0.98	0.44	ug/kg	
76-13-1	Freon 113	ND	4.9	2.6	ug/kg	
591-78-6	2-Hexanone	ND	4.9	2.1	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-12 (7-7.5')		
Lab Sample ID:	JD47845-3	**Date Sampled:**	07/06/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
Method:	SW846 8260D SW846 5035	**Percent Solids:**	98.0
Project:	4th 83rd Street, Pelham, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	2.0	1.4	ug/kg	
79-20-9	Methyl Acetate [a]	ND	4.9	1.4	ug/kg	
108-87-2	Methylcyclohexane	ND	2.0	0.86	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.98	0.46	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	4.9	2.2	ug/kg	
75-09-2	Methylene chloride	ND	4.9	2.6	ug/kg	
100-42-5	Styrene	ND	2.0	0.39	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.59	ug/kg	
127-18-4	Tetrachloroethene	ND	2.0	0.57	ug/kg	
108-88-3	Toluene	ND	0.98	0.52	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	4.9	2.5	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	4.9	2.5	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.47	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.54	ug/kg	
79-01-6	Trichloroethene	ND	0.98	0.75	ug/kg	
75-69-4	Trichlorofluoromethane	ND	4.9	0.67	ug/kg	
75-01-4	Vinyl chloride	ND	2.0	0.47	ug/kg	
	m,p-Xylene	ND	0.98	0.88	ug/kg	
95-47-6	o-Xylene	ND	0.98	0.45	ug/kg	
1330-20-7	Xylene (total)	ND	0.98	0.45	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		80-124%
17060-07-0	1,2-Dichloroethane-D4	107%		75-133%
2037-26-5	Toluene-D8	98%		79-125%
460-00-4	4-Bromofluorobenzene	102%		58-148%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-12 (7-7.5')		
Lab Sample ID:	JD47845-3	**Date Sampled:**	07/06/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
Method:	SW846 8270E SW846 3546	**Percent Solids:**	98.0
Project:	4th 83rd Street, Pelham, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6P504402.D	1	07/10/22 16:50	KLS	07/08/22 17:00	OP40691	E6P3640
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	68	17	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	21	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	29	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	60	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	170	130	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	170	36	ug/kg	
95-48-7	2-Methylphenol	ND	68	22	ug/kg	
	3&4-Methylphenol	ND	68	28	ug/kg	
88-75-5	2-Nitrophenol	ND	170	22	ug/kg	
100-02-7	4-Nitrophenol	ND	340	90	ug/kg	
87-86-5	Pentachlorophenol	ND	140	32	ug/kg	
108-95-2	Phenol	ND	68	18	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	170	22	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	25	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	20	ug/kg	
83-32-9	Acenaphthene	ND	34	12	ug/kg	
208-96-8	Acenaphthylene	ND	34	17	ug/kg	
98-86-2	Acetophenone	ND	170	7.3	ug/kg	
120-12-7	Anthracene	ND	34	21	ug/kg	
1912-24-9	Atrazine	ND	68	14	ug/kg	
56-55-3	Benzo(a)anthracene	ND	34	9.6	ug/kg	
50-32-8	Benzo(a)pyrene	ND	34	15	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	34	15	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	34	17	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	34	16	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	68	13	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	68	8.2	ug/kg	
92-52-4	1,1'-Biphenyl	ND	68	4.6	ug/kg	
100-52-7	Benzaldehyde	ND	170	8.4	ug/kg	
91-58-7	2-Chloronaphthalene	ND	68	8.0	ug/kg	
106-47-8	4-Chloroaniline	ND	170	12	ug/kg	
86-74-8	Carbazole	ND	68	4.9	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB-12 (7-7.5')
Lab Sample ID: JD47845-3
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: 4th 83rd Street, Pelham, NY

Date Sampled: 07/06/22
Date Received: 07/06/22
Percent Solids: 98.0

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	68	13	ug/kg	
218-01-9	Chrysene	ND	34	11	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	68	7.2	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	68	15	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	68	12	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	68	11	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	34	10	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	34	17	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	68	28	ug/kg	
123-91-1	1,4-Dioxane	ND	34	22	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	34	15	ug/kg	
132-64-9	Dibenzofuran	ND	68	14	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	68	5.5	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	68	8.4	ug/kg	
84-66-2	Diethyl phthalate	ND	68	7.2	ug/kg	
131-11-3	Dimethyl phthalate	ND	68	6.0	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate [a]	ND	68	7.9	ug/kg	
206-44-0	Fluoranthene	ND	34	15	ug/kg	
86-73-7	Fluorene	ND	34	16	ug/kg	
118-74-1	Hexachlorobenzene	ND	68	8.5	ug/kg	
87-68-3	Hexachlorobutadiene	ND	34	14	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	340	13	ug/kg	
67-72-1	Hexachloroethane	ND	170	17	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	34	16	ug/kg	
78-59-1	Isophorone	ND	68	7.2	ug/kg	
91-57-6	2-Methylnaphthalene	ND	34	7.6	ug/kg	
88-74-4	2-Nitroaniline	ND	170	8.0	ug/kg	
99-09-2	3-Nitroaniline	ND	170	8.4	ug/kg	
100-01-6	4-Nitroaniline	ND	170	8.8	ug/kg	
91-20-3	Naphthalene	ND	34	9.5	ug/kg	
98-95-3	Nitrobenzene	ND	68	13	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	68	9.8	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	12	ug/kg	
85-01-8	Phenanthrene	ND	34	11	ug/kg	
129-00-0	Pyrene	ND	34	11	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	170	8.6	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	24%		10-99%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-12 (7-7.5')		
Lab Sample ID:	JD47845-3	**Date Sampled:**	07/06/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
Method:	SW846 8270E SW846 3546	**Percent Solids:**	98.0
Project:	4th 83rd Street, Pelham, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	22%		10-96%
118-79-6	2,4,6-Tribromophenol	24%		10-123%
4165-60-0	Nitrobenzene-d5	27%		10-109%
321-60-8	2-Fluorobiphenyl	26%		11-109%
1718-51-0	Terphenyl-d14	34%		10-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	System artifact	1.62	310	ug/kg	J
	System artifact	2.87	380	ug/kg	J
	System artifact/aldol-condensation	2.93	1000	ug/kg	J
	System artifact	3.06	230	ug/kg	J
	Total TIC, Semi-Volatile		0	ug/kg	

(a) Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-12 (7-7.5')		
Lab Sample ID:	JD47845-3	**Date Sampled:**	07/06/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
Method:	SW846 8081B SW846 3546	**Percent Solids:**	98.0
Project:	4th 83rd Street, Pelham, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G177870.D	1	07/10/22 19:31	TL	07/09/22 10:00	OP40701	G1G6172
Run #2							

	Initial Weight	Final Volume
Run #1	16.1 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.63	0.52	ug/kg	
319-84-6	alpha-BHC	ND	0.63	0.52	ug/kg	
319-85-7	beta-BHC	ND	0.63	0.57	ug/kg	
319-86-8	delta-BHC	ND	0.63	0.61	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.63	0.47	ug/kg	
5103-71-9	alpha-Chlordane	ND	0.63	0.51	ug/kg	
5103-74-2	gamma-Chlordane	ND	0.63	0.29	ug/kg	
60-57-1	Dieldrin	ND	0.63	0.44	ug/kg	
72-54-8	4,4'-DDD	ND	0.63	0.58	ug/kg	
72-55-9	4,4'-DDE	ND	0.63	0.56	ug/kg	
50-29-3	4,4'-DDT [a]	2.5	0.63	0.56	ug/kg	B
72-20-8	Endrin	ND	0.63	0.49	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.63	0.49	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.63	0.36	ug/kg	
959-98-8	Endosulfan-I	ND	0.63	0.37	ug/kg	
33213-65-9	Endosulfan-II	ND	0.63	0.40	ug/kg	
76-44-8	Heptachlor	ND	0.63	0.55	ug/kg	
1024-57-3	Heptachlor epoxide	ND	0.63	0.44	ug/kg	
72-43-5	Methoxychlor	ND	1.3	0.50	ug/kg	
53494-70-5	Endrin ketone	ND	0.63	0.46	ug/kg	
8001-35-2	Toxaphene	ND	16	15	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	113%		14-145%
877-09-8	Tetrachloro-m-xylene	120%		14-145%
2051-24-3	Decachlorobiphenyl	116%		10-197%
2051-24-3	Decachlorobiphenyl	119%		10-197%

(a) More than 40 % RPD for detected concentrations between the two GC columns.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-12 (7-7.5')		
Lab Sample ID:	JD47845-3	**Date Sampled:**	07/06/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
Method:	SW846 8082A SW846 3546	**Percent Solids:**	98.0
Project:	4th 83rd Street, Pelham, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX2484449.D	1	07/11/22 14:58	CL	07/09/22 10:00	OP40703	GXX7853
Run #2							

	Initial Weight	Final Volume
Run #1	16.1 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	32	15	ug/kg	
11104-28-2	Aroclor 1221	ND	32	20	ug/kg	
11141-16-5	Aroclor 1232	ND	32	20	ug/kg	
53469-21-9	Aroclor 1242	ND	32	13	ug/kg	
12672-29-6	Aroclor 1248	ND	32	28	ug/kg	
11097-69-1	Aroclor 1254	ND	32	17	ug/kg	
11096-82-5	Aroclor 1260	ND	32	13	ug/kg	
11100-14-4	Aroclor 1268	ND	32	13	ug/kg	
37324-23-5	Aroclor 1262	ND	32	21	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	98%		10-163%
877-09-8	Tetrachloro-m-xylene	122%		10-163%
2051-24-3	Decachlorobiphenyl	86%		10-215%
2051-24-3	Decachlorobiphenyl	110%		10-215%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-12 (7-7.5')		
Lab Sample ID:	JD47845-3	**Date Sampled:**	07/06/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
		Percent Solids:	98.0
Project:	4th 83rd Street, Pelham, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	9890	52	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [4]
Antimony [a]	< 4.2	4.2	mg/kg	2	07/08/22	07/11/22	ND	SW846 6010D [3]	SW846 3050B [4]
Arsenic	< 2.1	2.1	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [4]
Barium	67.9	21	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [4]
Beryllium [a]	0.45	0.42	mg/kg	2	07/08/22	07/11/22	ND	SW846 6010D [3]	SW846 3050B [4]
Cadmium	0.82	0.52	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [4]
Calcium	1570	520	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [4]
Chromium	13.7	1.0	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [4]
Cobalt	7.8	5.2	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [4]
Copper	15.4	2.6	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [4]
Iron	16600	52	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [4]
Lead	4.2	2.1	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [4]
Magnesium	4660	520	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [4]
Manganese	311	1.6	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [4]
Mercury	< 0.032	0.032	mg/kg	1	07/08/22	07/11/22	LM	SW846 7471B [1]	SW846 7471B [5]
Nickel	18.9	4.2	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [4]
Potassium	2000	1000	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [4]
Selenium	< 2.1	2.1	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [4]
Silver [a]	< 1.0	1.0	mg/kg	2	07/08/22	07/11/22	ND	SW846 6010D [3]	SW846 3050B [4]
Sodium	< 1000	1000	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [4]
Thallium [a]	< 2.1	2.1	mg/kg	2	07/08/22	07/11/22	ND	SW846 6010D [3]	SW846 3050B [4]
Vanadium	21.7	5.2	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [4]
Zinc	46.5	5.2	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA52698
(2) Instrument QC Batch: MA52704
(3) Instrument QC Batch: MA52711
(4) Prep QC Batch: MP33956
(5) Prep QC Batch: MP33996

(a) Elevated detection limit due to dilution required for high interfering element.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB-12 (7-7.5')		
Lab Sample ID:	JD47845-3	**Date Sampled:**	07/06/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
		Percent Solids:	98.0
Project:	4th 83rd Street, Pelham, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.23	0.23	mg/kg	1	07/11/22 13:16	BR	SW846 9012B/LACHAT
Solids, Percent	98		%	1	07/07/22 15:56	BG	SM2540 G 18TH ED MOD

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB-12 (7-7.5')		
Lab Sample ID:	JD47845-3A	**Date Sampled:**	07/06/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	98.0
Project:	4th 83rd Street, Pelham, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	5Q2376.D	1	07/28/22 18:28	AFL	07/18/22 06:30	F:OP92125	F:S5Q39
Run #2							

	Initial Weight	Final Volume
Run #1	2.00 g	1.0 ml
Run #2		

PFAS List

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYLCARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	ND	1.0	0.39	ug/kg	
2706-90-3	Perfluoropentanoic acid	ND	0.51	0.26	ug/kg	
307-24-4	Perfluorohexanoic acid	ND	0.51	0.26	ug/kg	
375-85-9	Perfluoroheptanoic acid	ND	0.51	0.26	ug/kg	
335-67-1	Perfluorooctanoic acid	ND	0.51	0.26	ug/kg	
375-95-1	Perfluorononanoic acid	ND	0.51	0.26	ug/kg	
335-76-2	Perfluorodecanoic acid	ND	0.51	0.26	ug/kg	
2058-94-8	Perfluoroundecanoic acid	ND	0.51	0.26	ug/kg	
307-55-1	Perfluorododecanoic acid	ND	0.51	0.26	ug/kg	
72629-94-8	Perfluorotridecanoic acid	ND	0.51	0.27	ug/kg	
376-06-7	Perfluorotetradecanoic acid	ND	0.51	0.26	ug/kg	
PERFLUOROALKYLSULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.51	0.26	ug/kg	
355-46-4	Perfluorohexanesulfonic acid	ND	0.51	0.26	ug/kg	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.51	0.26	ug/kg	
1763-23-1	Perfluorooctanesulfonic acid	ND	0.51	0.20	ug/kg	
335-77-3	Perfluorodecanesulfonic acid	ND	0.51	0.26	ug/kg	
PERFLUOROOCTANESULFONAMIDES						
754-91-6	PFOSA	ND	0.51	0.26	ug/kg	
PERFLUOROOCTANESULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	1.0	0.51	ug/kg	
2991-50-6	EtFOSAA	ND	1.0	0.51	ug/kg	
FLUOROTELOMER SULFONATES						
27619-97-2	6:2 Fluorotelomer sulfonate	ND	1.0	0.26	ug/kg	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	1.0	0.26	ug/kg	

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Report of Analysis

Client Sample ID:	SB-12 (7-7.5')		
Lab Sample ID:	JD47845-3A	**Date Sampled:**	07/06/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	98.0
Project:	4th 83rd Street, Pelham, NY		

PFAS List

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	97%		40-140%
	13C5-PFPeA	100%		50-150%
	13C5-PFHxA	103%		50-150%
	13C4-PFHpA	105%		50-150%
	13C8-PFOA	107%		50-150%
	13C9-PFNA	108%		50-150%
	13C6-PFDA	115%		50-150%
	13C7-PFUnDA	110%		40-140%
	13C2-PFDoDA	108%		40-140%
	13C2-PFTeDA	108%		30-130%
	13C3-PFBS	108%		50-150%
	13C3-PFHxS	109%		50-150%
	13C8-PFOS	110%		50-150%
	13C8-FOSA	102%		30-130%
	d3-MeFOSAA	125%		40-140%
	d5-EtFOSAA	114%		40-140%
	13C2-6:2FTS	104%		50-150%
	13C2-8:2FTS	109%		50-150%

(a) Analysis performed at SGS Orlando, FL.

ND = Not detected MDL = Method Detection Limit
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E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-12 (3.5-4')		
Lab Sample ID:	JD47845-4	**Date Sampled:**	07/06/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
Method:	SW846 8260D SW846 5035	**Percent Solids:**	93.8
Project:	4th 83rd Street, Pelham, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1C187360.D	1	07/13/22 16:48	PS	07/07/22 12:42	n/a	V1C8142
Run #2							

	Initial Weight
Run #1	5.0 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	11	4.4	ug/kg	
71-43-2	Benzene	ND	0.53	0.49	ug/kg	
74-97-5	Bromochloromethane	ND	5.3	0.60	ug/kg	
75-27-4	Bromodichloromethane	ND	2.1	0.46	ug/kg	
75-25-2	Bromoform	ND	5.3	1.4	ug/kg	
74-83-9	Bromomethane	ND	5.3	0.81	ug/kg	
78-93-3	2-Butanone (MEK)	ND	11	2.6	ug/kg	
75-15-0	Carbon disulfide	ND	2.1	0.57	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.1	0.66	ug/kg	
108-90-7	Chlorobenzene	ND	2.1	0.49	ug/kg	
75-00-3	Chloroethane	ND	5.3	0.63	ug/kg	
67-66-3	Chloroform	ND	2.1	0.55	ug/kg	
74-87-3	Chloromethane	ND	5.3	2.1	ug/kg	
110-82-7	Cyclohexane	ND	2.1	0.70	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.1	0.74	ug/kg	
124-48-1	Dibromochloromethane	ND	2.1	0.60	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.1	0.45	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	1.1	0.58	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	1.1	0.53	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	1.1	0.53	ug/kg	
75-71-8	Dichlorodifluoromethane [a]	ND	5.3	0.78	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.1	0.53	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.1	0.50	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.1	0.70	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.1	0.90	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.1	0.65	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.1	0.50	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.1	0.51	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.1	0.49	ug/kg	
100-41-4	Ethylbenzene	ND	1.1	0.48	ug/kg	
76-13-1	Freon 113	ND	5.3	2.8	ug/kg	
591-78-6	2-Hexanone	ND	5.3	2.3	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
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B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-12 (3.5-4')		
Lab Sample ID:	JD47845-4	**Date Sampled:**	07/06/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
Method:	SW846 8260D SW846 5035	**Percent Solids:**	93.8
Project:	4th 83rd Street, Pelham, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	2.1	1.5	ug/kg	
79-20-9	Methyl Acetate [a]	ND	5.3	1.5	ug/kg	
108-87-2	Methylcyclohexane	ND	2.1	0.93	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.1	0.50	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.3	2.4	ug/kg	
75-09-2	Methylene chloride	ND	5.3	2.8	ug/kg	
100-42-5	Styrene	ND	2.1	0.43	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.1	0.64	ug/kg	
127-18-4	Tetrachloroethene	ND	2.1	0.62	ug/kg	
108-88-3	Toluene	ND	1.1	0.56	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.3	2.7	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.3	2.7	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.1	0.51	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.1	0.59	ug/kg	
79-01-6	Trichloroethene	ND	1.1	0.81	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.3	0.73	ug/kg	
75-01-4	Vinyl chloride	ND	2.1	0.51	ug/kg	
	m,p-Xylene	ND	1.1	0.96	ug/kg	
95-47-6	o-Xylene	ND	1.1	0.49	ug/kg	
1330-20-7	Xylene (total)	ND	1.1	0.49	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		80-124%
17060-07-0	1,2-Dichloroethane-D4	109%		75-133%
2037-26-5	Toluene-D8	98%		79-125%
460-00-4	4-Bromofluorobenzene	106%		58-148%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

(a) Associated CCV outside of control limits high, sample was ND.

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RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB-12 (3.5-4')
Lab Sample ID: JD47845-4
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: 4th 83rd Street, Pelham, NY

Date Sampled: 07/06/22
Date Received: 07/06/22
Percent Solids: 93.8

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6P504412.D	1	07/10/22 20:45	KLS	07/08/22 17:00	OP40691	E6P3640
Run #2 [b]	6P504437.D	1	07/11/22 19:57	NAP	07/08/22 17:00	OP40691	E6P3641

	Initial Weight	Final Volume
Run #1	30.7 g	1.0 ml
Run #2	30.7 g	1.0 ml

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	69	17	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	21	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	30	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	62	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	170	130	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	170	37	ug/kg	
95-48-7	2-Methylphenol	ND	69	22	ug/kg	
	3&4-Methylphenol	ND	69	29	ug/kg	
88-75-5	2-Nitrophenol	ND	170	23	ug/kg	
100-02-7	4-Nitrophenol	ND	350	93	ug/kg	
87-86-5	Pentachlorophenol	ND	140	33	ug/kg	
108-95-2	Phenol	ND	69	18	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	170	23	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	26	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	21	ug/kg	
83-32-9	Acenaphthene	51.2	35	12	ug/kg	
208-96-8	Acenaphthylene	21.2	35	18	ug/kg	J
98-86-2	Acetophenone	ND	170	7.5	ug/kg	
120-12-7	Anthracene	163	35	21	ug/kg	
1912-24-9	Atrazine	ND	69	15	ug/kg	
56-55-3	Benzo(a)anthracene [c]	516	35	9.8	ug/kg	
50-32-8	Benzo(a)pyrene	332	35	16	ug/kg	
205-99-2	Benzo(b)fluoranthene	373	35	15	ug/kg	
191-24-2	Benzo(g,h,i)perylene	247	35	17	ug/kg	
207-08-9	Benzo(k)fluoranthene	127	35	16	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	69	13	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	69	8.5	ug/kg	
92-52-4	1,1'-Biphenyl	5.4	69	4.8	ug/kg	J
100-52-7	Benzaldehyde	ND	170	8.6	ug/kg	
91-58-7	2-Chloronaphthalene	ND	69	8.3	ug/kg	
106-47-8	4-Chloroaniline	ND	170	13	ug/kg	
86-74-8	Carbazole	58.2	69	5.0	ug/kg	J

ND = Not detected MDL = Method Detection Limit
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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-12 (3.5-4')		
Lab Sample ID:	JD47845-4	**Date Sampled:**	07/06/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
Method:	SW846 8270E SW846 3546	**Percent Solids:**	93.8
Project:	4th 83rd Street, Pelham, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	69	14	ug/kg	
218-01-9	Chrysene [c]	460	35	11	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	69	7.4	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	69	15	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	69	12	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	69	11	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	35	11	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	35	17	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	69	29	ug/kg	
123-91-1	1,4-Dioxane	ND	35	23	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	71.3	35	15	ug/kg	
132-64-9	Dibenzofuran	34.9	69	14	ug/kg	J
84-74-2	Di-n-butyl phthalate	ND	69	5.7	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	69	8.6	ug/kg	
84-66-2	Diethyl phthalate	ND	69	7.4	ug/kg	
131-11-3	Dimethyl phthalate	ND	69	6.2	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate [d]	ND	69	8.1	ug/kg	
206-44-0	Fluoranthene	914	35	15	ug/kg	
86-73-7	Fluorene	63.2	35	16	ug/kg	
118-74-1	Hexachlorobenzene	ND	69	8.8	ug/kg	
87-68-3	Hexachlorobutadiene	ND	35	14	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	350	14	ug/kg	
67-72-1	Hexachloroethane	ND	170	17	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	314	35	16	ug/kg	
78-59-1	Isophorone	ND	69	7.4	ug/kg	
91-57-6	2-Methylnaphthalene	23.2	35	7.8	ug/kg	J
88-74-4	2-Nitroaniline	ND	170	8.2	ug/kg	
99-09-2	3-Nitroaniline	ND	170	8.7	ug/kg	
100-01-6	4-Nitroaniline	ND	170	9.0	ug/kg	
91-20-3	Naphthalene	16.9	35	9.8	ug/kg	J
98-95-3	Nitrobenzene	ND	69	13	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	69	10	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	13	ug/kg	
85-01-8	Phenanthrene	746	35	12	ug/kg	
129-00-0	Pyrene [c]	972	35	11	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	170	8.8	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	25%	26%	10-99%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-12 (3.5-4')		
Lab Sample ID:	JD47845-4	**Date Sampled:**	07/06/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
Method:	SW846 8270E SW846 3546	**Percent Solids:**	93.8
Project:	4th 83rd Street, Pelham, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	23%	24%	10-96%
118-79-6	2,4,6-Tribromophenol	27%	26%	10-123%
4165-60-0	Nitrobenzene-d5	28%	29%	10-109%
321-60-8	2-Fluorobiphenyl	27%	27%	11-109%
1718-51-0	Terphenyl-d14	31%	31%	10-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	System artifact	1.62	140	ug/kg	J
	System artifact	2.74	160	ug/kg	J
	System artifact	2.87	530	ug/kg	J
	System artifact/aldol-condensation	2.93	250	ug/kg	J
	System artifact	3.06	330	ug/kg	J
	System artifact	3.66	200	ug/kg	J
	System artifact	3.76	430	ug/kg	J
	4H-Cyclopenta[def]phenanthrene	8.64	140	ug/kg	J
	Pyrene methyl	10.27	150	ug/kg	J
	Unknown PAH substance	13.27	180	ug/kg	J
	Unknown PAH substance	13.50	230	ug/kg	J
	Unknown	14.21	230	ug/kg	J
	Unknown	14.31	160	ug/kg	J
	Unknown	14.38	350	ug/kg	J
	Unknown	14.75	330	ug/kg	J
	Unknown	15.17	190	ug/kg	J
	Unknown	16.68	170	ug/kg	J
	Total TIC, Semi-Volatile		2130	ug/kg	J

(a) Internal standard Chrysene-d12 outside control limits due to matrix interference. Confirmed by reanalysis.
(b) Confirmation run for internal standard areas.
(c) Estimated value, due to corresponding internal standard failing low.
(d) Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.

Report of Analysis

Client Sample ID:	SB-12 (3.5-4')		
Lab Sample ID:	JD47845-4	**Date Sampled:**	07/06/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
Method:	SW846 8081B SW846 3546	**Percent Solids:**	93.8
Project:	4th 83rd Street, Pelham, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G177936.D	1	07/11/22 20:04	TL	07/09/22 10:00	OP40701	G1G6174
Run #2							

	Initial Weight	Final Volume
Run #1	15.2 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.70	0.58	ug/kg	
319-84-6	alpha-BHC	ND	0.70	0.57	ug/kg	
319-85-7	beta-BHC	ND	0.70	0.63	ug/kg	
319-86-8	delta-BHC	ND	0.70	0.67	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.70	0.52	ug/kg	
5103-71-9	alpha-Chlordane	ND	0.70	0.57	ug/kg	
5103-74-2	gamma-Chlordane	ND	0.70	0.32	ug/kg	
60-57-1	Dieldrin	ND	0.70	0.48	ug/kg	
72-54-8	4,4'-DDD	ND	0.70	0.64	ug/kg	
72-55-9	4,4'-DDE	1.1	0.70	0.62	ug/kg	
50-29-3	4,4'-DDT [a]	4.5	0.70	0.62	ug/kg	B
72-20-8	Endrin	ND	0.70	0.54	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.70	0.55	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.70	0.40	ug/kg	
959-98-8	Endosulfan-I	ND	0.70	0.40	ug/kg	
33213-65-9	Endosulfan-II	ND	0.70	0.44	ug/kg	
76-44-8	Heptachlor	ND	0.70	0.60	ug/kg	
1024-57-3	Heptachlor epoxide	ND	0.70	0.49	ug/kg	
72-43-5	Methoxychlor	ND	1.4	0.56	ug/kg	
53494-70-5	Endrin ketone	ND	0.70	0.51	ug/kg	
8001-35-2	Toxaphene	ND	18	16	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	77%		14-145%
877-09-8	Tetrachloro-m-xylene	79%		14-145%
2051-24-3	Decachlorobiphenyl	59%		10-197%
2051-24-3	Decachlorobiphenyl	118%		10-197%

(a) More than 40 % RPD for detected concentrations between the two GC columns.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-12 (3.5-4')		
Lab Sample ID:	JD47845-4	**Date Sampled:**	07/06/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
Method:	SW846 8082A SW846 3546	**Percent Solids:**	93.8
Project:	4th 83rd Street, Pelham, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX2484524.D	1	07/12/22 11:28	RK	07/09/22 10:00	OP40703	GXX7854
Run #2							

	Initial Weight	Final Volume
Run #1	16.1 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	33	15	ug/kg	
11104-28-2	Aroclor 1221	ND	33	21	ug/kg	
11141-16-5	Aroclor 1232	ND	33	21	ug/kg	
53469-21-9	Aroclor 1242	ND	33	14	ug/kg	
12672-29-6	Aroclor 1248	ND	33	30	ug/kg	
11097-69-1	Aroclor 1254	ND	33	18	ug/kg	
11096-82-5	Aroclor 1260	ND	33	14	ug/kg	
11100-14-4	Aroclor 1268	ND	33	14	ug/kg	
37324-23-5	Aroclor 1262	ND	33	22	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	75%		10-163%
877-09-8	Tetrachloro-m-xylene	99%		10-163%
2051-24-3	Decachlorobiphenyl	68%		10-215%
2051-24-3	Decachlorobiphenyl	103%		10-215%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB-12 (3.5-4')
Lab Sample ID: JD47845-4
Matrix: SO - Soil
Project: 4th 83rd Street, Pelham, NY

Date Sampled: 07/06/22
Date Received: 07/06/22
Percent Solids: 93.8

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	11300	52	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [4]
Antimony [a]	< 4.2	4.2	mg/kg	2	07/08/22	07/11/22	ND	SW846 6010D [3]	SW846 3050B [4]
Arsenic	2.9	2.1	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [4]
Barium	96.4	21	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [4]
Beryllium [a]	0.51	0.42	mg/kg	2	07/08/22	07/11/22	ND	SW846 6010D [3]	SW846 3050B [4]
Cadmium	0.95	0.52	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [4]
Calcium	31200	1000	mg/kg	2	07/08/22	07/11/22	ND	SW846 6010D [3]	SW846 3050B [4]
Chromium	27.8	1.0	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [4]
Cobalt	12.6	5.2	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [4]
Copper	22.6	2.6	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [4]
Iron	18000	52	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [4]
Lead	54.4	2.1	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [4]
Magnesium	16100	520	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [4]
Manganese	330	1.6	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [4]
Mercury	< 0.032	0.032	mg/kg	1	07/08/22	07/11/22	LM	SW846 7471B [1]	SW846 7471B [5]
Nickel	28.1	4.2	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [4]
Potassium	3640	1000	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [4]
Selenium	< 2.1	2.1	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [4]
Silver [a]	< 1.0	1.0	mg/kg	2	07/08/22	07/11/22	ND	SW846 6010D [3]	SW846 3050B [4]
Sodium	< 1000	1000	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [4]
Thallium [a]	< 2.1	2.1	mg/kg	2	07/08/22	07/11/22	ND	SW846 6010D [3]	SW846 3050B [4]
Vanadium	34.4	5.2	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [4]
Zinc	75.4	5.2	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA52698
(2) Instrument QC Batch: MA52704
(3) Instrument QC Batch: MA52711
(4) Prep QC Batch: MP33956
(5) Prep QC Batch: MP33996

(a) Elevated detection limit due to dilution required for high interfering element.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB-12 (3.5-4')		
Lab Sample ID:	JD47845-4	**Date Sampled:**	07/06/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
		Percent Solids:	93.8
Project:	4th 83rd Street, Pelham, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.23	0.23	mg/kg	1	07/11/22 13:17	BR	SW846 9012B/LACHAT
Solids, Percent	93.8		%	1	07/07/22 15:56	BG	SM2540 G 18TH ED MOD

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB-12 (3.5-4')		
Lab Sample ID:	JD47845-4A	**Date Sampled:**	07/06/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	93.8
Project:	4th 83rd Street, Pelham, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	5Q2377.D	1	07/28/22 18:43	AFL	07/18/22 06:30	F:OP92125	F:S5Q39
Run #2							

	Initial Weight	Final Volume
Run #1	2.00 g	1.0 ml
Run #2		

PFAS List

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYLCARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	ND	1.1	0.41	ug/kg	
2706-90-3	Perfluoropentanoic acid	ND	0.53	0.27	ug/kg	
307-24-4	Perfluorohexanoic acid	ND	0.53	0.27	ug/kg	
375-85-9	Perfluoroheptanoic acid	ND	0.53	0.27	ug/kg	
335-67-1	Perfluorooctanoic acid	ND	0.53	0.27	ug/kg	
375-95-1	Perfluorononanoic acid	ND	0.53	0.27	ug/kg	
335-76-2	Perfluorodecanoic acid	ND	0.53	0.27	ug/kg	
2058-94-8	Perfluoroundecanoic acid	ND	0.53	0.27	ug/kg	
307-55-1	Perfluorododecanoic acid	ND	0.53	0.27	ug/kg	
72629-94-8	Perfluorotridecanoic acid	ND	0.53	0.28	ug/kg	
376-06-7	Perfluorotetradecanoic acid	ND	0.53	0.27	ug/kg	
PERFLUOROALKYLSULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.53	0.27	ug/kg	
355-46-4	Perfluorohexanesulfonic acid	ND	0.53	0.27	ug/kg	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.53	0.27	ug/kg	
1763-23-1	Perfluorooctanesulfonic acid	ND	0.53	0.21	ug/kg	
335-77-3	Perfluorodecanesulfonic acid	ND	0.53	0.27	ug/kg	
PERFLUOROOCTANESULFONAMIDES						
754-91-6	PFOSA	ND	0.53	0.27	ug/kg	
PERFLUOROOCTANESULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	1.1	0.53	ug/kg	
2991-50-6	EtFOSAA	ND	1.1	0.53	ug/kg	
FLUOROTELOMER SULFONATES						
27619-97-2	6:2 Fluorotelomer sulfonate	ND	1.1	0.27	ug/kg	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	1.1	0.27	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-12 (3.5-4')		
Lab Sample ID:	JD47845-4A	**Date Sampled:**	07/06/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	93.8
Project:	4th 83rd Street, Pelham, NY		

PFAS List

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	61%		40-140%
	13C5-PFPeA	64%		50-150%
	13C5-PFHxA	67%		50-150%
	13C4-PFHpA	70%		50-150%
	13C8-PFOA	73%		50-150%
	13C9-PFNA	76%		50-150%
	13C6-PFDA	81%		50-150%
	13C7-PFUnDA	75%		40-140%
	13C2-PFDoDA	77%		40-140%
	13C2-PFTeDA	87%		30-130%
	13C3-PFBS	102%		50-150%
	13C3-PFHxS	104%		50-150%
	13C8-PFOS	104%		50-150%
	13C8-FOSA	61%		30-130%
	d3-MeFOSAA	119%		40-140%
	d5-EtFOSAA	127%		40-140%
	13C2-6:2FTS	106%		50-150%
	13C2-8:2FTS	116%		50-150%

(a) Analysis performed at SGS Orlando, FL.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-11 (5.5-6')		
Lab Sample ID:	JD47845-5	**Date Sampled:**	07/05/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
Method:	SW846 8260D SW846 5035	**Percent Solids:**	83.3
Project:	4th 83rd Street, Pelham, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1C187361.D	1	07/13/22 17:14	PS	07/07/22 12:42	n/a	V1C8142
Run #2							

	Initial Weight
Run #1	4.9 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	12	5.1	ug/kg	
71-43-2	Benzene	ND	0.61	0.56	ug/kg	
74-97-5	Bromochloromethane	ND	6.1	0.69	ug/kg	
75-27-4	Bromodichloromethane	ND	2.4	0.53	ug/kg	
75-25-2	Bromoform	ND	6.1	1.7	ug/kg	
74-83-9	Bromomethane	ND	6.1	0.94	ug/kg	
78-93-3	2-Butanone (MEK)	ND	12	3.0	ug/kg	
75-15-0	Carbon disulfide	ND	2.4	0.66	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.4	0.76	ug/kg	
108-90-7	Chlorobenzene	ND	2.4	0.56	ug/kg	
75-00-3	Chloroethane	ND	6.1	0.72	ug/kg	
67-66-3	Chloroform	ND	2.4	0.64	ug/kg	
74-87-3	Chloromethane	ND	6.1	2.4	ug/kg	
110-82-7	Cyclohexane	ND	2.4	0.80	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.4	0.85	ug/kg	
124-48-1	Dibromochloromethane	ND	2.4	0.69	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.2	0.52	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	1.2	0.67	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	1.2	0.61	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	1.2	0.61	ug/kg	
75-71-8	Dichlorodifluoromethane [a]	ND	6.1	0.89	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.2	0.61	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.2	0.58	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.2	0.80	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.2	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.2	0.75	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.4	0.58	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.4	0.58	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.4	0.56	ug/kg	
100-41-4	Ethylbenzene	ND	1.2	0.55	ug/kg	
76-13-1	Freon 113	ND	6.1	3.3	ug/kg	
591-78-6	2-Hexanone	ND	6.1	2.6	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-11 (5.5-6')		
Lab Sample ID:	JD47845-5	**Date Sampled:**	07/05/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
Method:	SW846 8260D SW846 5035	**Percent Solids:**	83.3
Project:	4th 83rd Street, Pelham, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	2.4	1.7	ug/kg	
79-20-9	Methyl Acetate [a]	ND	6.1	1.7	ug/kg	
108-87-2	Methylcyclohexane	ND	2.4	1.1	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.2	0.57	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	6.1	2.8	ug/kg	
75-09-2	Methylene chloride	ND	6.1	3.2	ug/kg	
100-42-5	Styrene	ND	2.4	0.49	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.4	0.73	ug/kg	
127-18-4	Tetrachloroethene	ND	2.4	0.71	ug/kg	
108-88-3	Toluene	ND	1.2	0.64	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	6.1	3.1	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.1	3.1	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.4	0.59	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.4	0.68	ug/kg	
79-01-6	Trichloroethene	ND	1.2	0.93	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.1	0.84	ug/kg	
75-01-4	Vinyl chloride	ND	2.4	0.59	ug/kg	
	m,p-Xylene	ND	1.2	1.1	ug/kg	
95-47-6	o-Xylene	ND	1.2	0.56	ug/kg	
1330-20-7	Xylene (total)	ND	1.2	0.56	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		80-124%
17060-07-0	1,2-Dichloroethane-D4	111%		75-133%
2037-26-5	Toluene-D8	98%		79-125%
460-00-4	4-Bromofluorobenzene	106%		58-148%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB-11 (5.5-6')
Lab Sample ID: JD47845-5
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: 4th 83rd Street, Pelham, NY

Date Sampled: 07/05/22
Date Received: 07/06/22
Percent Solids: 83.3

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M181711.D	1	07/13/22 20:52	CS	07/13/22 08:09	OP40727	EM7855
Run #2							

	Initial Weight	Final Volume
Run #1	31.4 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	76	19	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	190	23	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	190	33	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	190	68	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	190	140	ug/kg	
534-52-1	4,6-Dinitro-o-cresol [a]	ND	190	41	ug/kg	
95-48-7	2-Methylphenol	ND	76	24	ug/kg	
	3&4-Methylphenol	ND	76	31	ug/kg	
88-75-5	2-Nitrophenol	ND	190	25	ug/kg	
100-02-7	4-Nitrophenol	ND	380	100	ug/kg	
87-86-5	Pentachlorophenol	ND	150	36	ug/kg	
108-95-2	Phenol	ND	76	20	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	190	25	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	190	29	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	190	23	ug/kg	
83-32-9	Acenaphthene	ND	38	13	ug/kg	
208-96-8	Acenaphthylene	ND	38	19	ug/kg	
98-86-2	Acetophenone	ND	190	8.2	ug/kg	
120-12-7	Anthracene	ND	38	23	ug/kg	
1912-24-9	Atrazine	ND	76	16	ug/kg	
56-55-3	Benzo(a)anthracene	ND	38	11	ug/kg	
50-32-8	Benzo(a)pyrene	ND	38	17	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	38	17	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	38	19	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	38	18	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	76	15	ug/kg	
85-68-7	Butyl benzyl phthalate [a]	ND	76	9.3	ug/kg	
92-52-4	1,1'-Biphenyl	ND	76	5.2	ug/kg	
100-52-7	Benzaldehyde	ND	190	9.5	ug/kg	
91-58-7	2-Chloronaphthalene	ND	76	9.1	ug/kg	
106-47-8	4-Chloroaniline	ND	190	14	ug/kg	
86-74-8	Carbazole	ND	76	5.5	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-11 (5.5-6')		
Lab Sample ID:	JD47845-5	**Date Sampled:**	07/05/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
Method:	SW846 8270E SW846 3546	**Percent Solids:**	83.3
Project:	4th 83rd Street, Pelham, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	76	15	ug/kg	
218-01-9	Chrysene	ND	38	12	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	76	8.2	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	76	16	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	76	14	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	76	12	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	38	12	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	38	19	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	76	32	ug/kg	
123-91-1	1,4-Dioxane	ND	38	25	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	38	17	ug/kg	
132-64-9	Dibenzofuran	ND	76	16	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	76	6.2	ug/kg	
117-84-0	Di-n-octyl phthalate [a]	ND	76	9.5	ug/kg	
84-66-2	Diethyl phthalate	ND	76	8.1	ug/kg	
131-11-3	Dimethyl phthalate	ND	76	6.8	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate [a]	ND	76	8.9	ug/kg	
206-44-0	Fluoranthene	ND	38	17	ug/kg	
86-73-7	Fluorene	ND	38	18	ug/kg	
118-74-1	Hexachlorobenzene	ND	76	9.7	ug/kg	
87-68-3	Hexachlorobutadiene	ND	38	15	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	380	15	ug/kg	
67-72-1	Hexachloroethane	ND	190	19	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	38	18	ug/kg	
78-59-1	Isophorone	ND	76	8.2	ug/kg	
91-57-6	2-Methylnaphthalene	ND	38	8.6	ug/kg	
88-74-4	2-Nitroaniline	ND	190	9.0	ug/kg	
99-09-2	3-Nitroaniline	ND	190	9.6	ug/kg	
100-01-6	4-Nitroaniline	ND	190	9.9	ug/kg	
91-20-3	Naphthalene	ND	38	11	ug/kg	
98-95-3	Nitrobenzene	ND	76	15	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	76	11	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	190	14	ug/kg	
85-01-8	Phenanthrene	ND	38	13	ug/kg	
129-00-0	Pyrene	ND	38	12	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	190	9.7	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	30%		10-99%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-11 (5.5-6')		
Lab Sample ID:	JD47845-5	**Date Sampled:**	07/05/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
Method:	SW846 8270E SW846 3546	**Percent Solids:**	83.3
Project:	4th 83rd Street, Pelham, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	32%		10-96%
118-79-6	2,4,6-Tribromophenol	44%		10-123%
4165-60-0	Nitrobenzene-d5	35%		10-109%
321-60-8	2-Fluorobiphenyl	37%		11-109%
1718-51-0	Terphenyl-d14	41%		10-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	alkene	14.88	200	ug/kg	J
	Unknown	16.16	410	ug/kg	J
	Unknown acid	16.59	170	ug/kg	J
	Unknown	18.49	410	ug/kg	J
	Total TIC, Semi-Volatile		1190	ug/kg	J

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-11 (5.5-6')		
Lab Sample ID:	JD47845-5	**Date Sampled:**	07/05/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
Method:	SW846 8081B SW846 3546	**Percent Solids:**	83.3
Project:	4th 83rd Street, Pelham, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G177871.D	1	07/10/22 19:49	TL	07/09/22 10:00	OP40701	G1G6172
Run #2							

	Initial Weight	Final Volume
Run #1	16.0 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.75	0.62	ug/kg	
319-84-6	alpha-BHC	ND	0.75	0.61	ug/kg	
319-85-7	beta-BHC	ND	0.75	0.68	ug/kg	
319-86-8	delta-BHC	ND	0.75	0.72	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.75	0.55	ug/kg	
5103-71-9	alpha-Chlordane	ND	0.75	0.61	ug/kg	
5103-74-2	gamma-Chlordane	ND	0.75	0.34	ug/kg	
60-57-1	Dieldrin	ND	0.75	0.52	ug/kg	
72-54-8	4,4'-DDD	ND	0.75	0.69	ug/kg	
72-55-9	4,4'-DDE	ND	0.75	0.66	ug/kg	
50-29-3	4,4'-DDT [a]	5.1	0.75	0.66	ug/kg	B
72-20-8	Endrin	ND	0.75	0.58	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.75	0.59	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.75	0.43	ug/kg	
959-98-8	Endosulfan-I	ND	0.75	0.43	ug/kg	
33213-65-9	Endosulfan-II	ND	0.75	0.47	ug/kg	
76-44-8	Heptachlor	ND	0.75	0.65	ug/kg	
1024-57-3	Heptachlor epoxide	ND	0.75	0.53	ug/kg	
72-43-5	Methoxychlor	ND	1.5	0.60	ug/kg	
53494-70-5	Endrin ketone	ND	0.75	0.54	ug/kg	
8001-35-2	Toxaphene	ND	19	17	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	62%		14-145%
877-09-8	Tetrachloro-m-xylene	65%		14-145%
2051-24-3	Decachlorobiphenyl	68%		10-197%
2051-24-3	Decachlorobiphenyl	68%		10-197%

(a) More than 40 % RPD for detected concentrations between the two GC columns.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-11 (5.5-6')		
Lab Sample ID:	JD47845-5	**Date Sampled:**	07/05/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
Method:	SW846 8082A SW846 3546	**Percent Solids:**	83.3
Project:	4th 83rd Street, Pelham, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX2484450.D	1	07/11/22 15:15	CL	07/09/22 10:00	OP40703	GXX7853
Run #2							

	Initial Weight	Final Volume
Run #1	16.0 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	38	17	ug/kg	
11104-28-2	Aroclor 1221	ND	38	23	ug/kg	
11141-16-5	Aroclor 1232	ND	38	24	ug/kg	
53469-21-9	Aroclor 1242	ND	38	15	ug/kg	
12672-29-6	Aroclor 1248	ND	38	33	ug/kg	
11097-69-1	Aroclor 1254	ND	38	20	ug/kg	
11096-82-5	Aroclor 1260	ND	38	16	ug/kg	
11100-14-4	Aroclor 1268	ND	38	16	ug/kg	
37324-23-5	Aroclor 1262	ND	38	25	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	91%		10-163%
877-09-8	Tetrachloro-m-xylene	110%		10-163%
2051-24-3	Decachlorobiphenyl	87%		10-215%
2051-24-3	Decachlorobiphenyl	111%		10-215%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB-11 (5.5-6')
Lab Sample ID: JD47845-5
Matrix: SO - Soil
Project: 4th 83rd Street, Pelham, NY

Date Sampled: 07/05/22
Date Received: 07/06/22
Percent Solids: 83.3

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	11700	61	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Antimony	< 2.4	2.4	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Arsenic	< 2.4	2.4	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Barium	72.2	24	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Beryllium	0.56	0.24	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Cadmium	< 0.61	0.61	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Calcium	2120	610	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Chromium	21.8	1.2	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Cobalt	6.2	6.1	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Copper	13.1	3.1	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Iron	9300	61	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Lead	15.1	2.4	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Magnesium	2070	610	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Manganese	334	1.8	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Mercury	< 0.035	0.035	mg/kg	1	07/08/22	07/11/22	LM	SW846 7471B [1]	SW846 7471B [4]
Nickel	18.8	4.9	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Potassium	< 1200	1200	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Selenium	< 2.4	2.4	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Silver	< 0.61	0.61	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Sodium	< 1200	1200	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Thallium	< 1.2	1.2	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Vanadium	18.4	6.1	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Zinc	43.9	6.1	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA52698
(2) Instrument QC Batch: MA52704
(3) Prep QC Batch: MP33956
(4) Prep QC Batch: MP33996

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB-11 (5.5-6')		
Lab Sample ID:	JD47845-5	**Date Sampled:**	07/05/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
		Percent Solids:	83.3
Project:	4th 83rd Street, Pelham, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.27	0.27	mg/kg	1	07/11/22 13:18	BR	SW846 9012B/LACHAT
Solids, Percent	83.3		%	1	07/07/22 15:56	BG	SM2540 G 18TH ED MOD

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB-11 (5.5-6')		
Lab Sample ID:	JD47845-5A	**Date Sampled:**	07/05/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	83.3
Project:	4th 83rd Street, Pelham, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	5Q2378.D	1	07/28/22 18:58	AFL	07/18/22 06:30	F:OP92125	F:S5Q39
Run #2							

	Initial Weight	Final Volume
Run #1	2.03 g	1.0 ml
Run #2		

PFAS List

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYLCARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	ND	1.2	0.45	ug/kg	
2706-90-3	Perfluoropentanoic acid	ND	0.59	0.30	ug/kg	
307-24-4	Perfluorohexanoic acid	ND	0.59	0.30	ug/kg	
375-85-9	Perfluoroheptanoic acid	ND	0.59	0.30	ug/kg	
335-67-1	Perfluorooctanoic acid	ND	0.59	0.30	ug/kg	
375-95-1	Perfluorononanoic acid	ND	0.59	0.30	ug/kg	
335-76-2	Perfluorodecanoic acid	ND	0.59	0.30	ug/kg	
2058-94-8	Perfluoroundecanoic acid	ND	0.59	0.30	ug/kg	
307-55-1	Perfluorododecanoic acid	ND	0.59	0.30	ug/kg	
72629-94-8	Perfluorotridecanoic acid	ND	0.59	0.31	ug/kg	
376-06-7	Perfluorotetradecanoic acid	ND	0.59	0.30	ug/kg	
PERFLUOROALKYLSULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.59	0.30	ug/kg	
355-46-4	Perfluorohexanesulfonic acid	ND	0.59	0.30	ug/kg	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.59	0.30	ug/kg	
1763-23-1	Perfluorooctanesulfonic acid	ND	0.59	0.24	ug/kg	
335-77-3	Perfluorodecanesulfonic acid	ND	0.59	0.30	ug/kg	
PERFLUOROOCTANESULFONAMIDES						
754-91-6	PFOSA	ND	0.59	0.30	ug/kg	
PERFLUOROOCTANESULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	1.2	0.59	ug/kg	
2991-50-6	EtFOSAA	ND	1.2	0.59	ug/kg	
FLUOROTELOMER SULFONATES						
27619-97-2	6:2 Fluorotelomer sulfonate	ND	1.2	0.30	ug/kg	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	1.2	0.30	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-11 (5.5-6')		
Lab Sample ID:	JD47845-5A	**Date Sampled:**	07/05/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	83.3
Project:	4th 83rd Street, Pelham, NY		

PFAS List

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	73%		40-140%
	13C5-PFPeA	71%		50-150%
	13C5-PFHxA	73%		50-150%
	13C4-PFHpA	73%		50-150%
	13C8-PFOA	73%		50-150%
	13C9-PFNA	73%		50-150%
	13C6-PFDA	75%		50-150%
	13C7-PFUnDA	72%		40-140%
	13C2-PFDoDA	72%		40-140%
	13C2-PFTeDA	80%		30-130%
	13C3-PFBS	96%		50-150%
	13C3-PFHxS	98%		50-150%
	13C8-PFOS	98%		50-150%
	13C8-FOSA	74%		30-130%
	d3-MeFOSAA	92%		40-140%
	d5-EtFOSAA	87%		40-140%
	13C2-6:2FTS	93%		50-150%
	13C2-8:2FTS	101%		50-150%

(a) Analysis performed at SGS Orlando, FL.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-11 (8-8.5')		
Lab Sample ID:	JD47845-6	**Date Sampled:**	07/05/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
Method:	SW846 8260D SW846 5035	**Percent Solids:**	65.5
Project:	4th 83rd Street, Pelham, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1C187362.D	1	07/13/22 17:42	PS	07/07/22 12:42	n/a	V1C8142
Run #2							

	Initial Weight
Run #1	5.1 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	15	6.2	ug/kg	
71-43-2	Benzene	ND	0.75	0.68	ug/kg	
74-97-5	Bromochloromethane	ND	7.5	0.84	ug/kg	
75-27-4	Bromodichloromethane	ND	3.0	0.64	ug/kg	
75-25-2	Bromoform	ND	7.5	2.0	ug/kg	
74-83-9	Bromomethane	ND	7.5	1.1	ug/kg	
78-93-3	2-Butanone (MEK)	ND	15	3.6	ug/kg	
75-15-0	Carbon disulfide	ND	3.0	0.80	ug/kg	
56-23-5	Carbon tetrachloride	ND	3.0	0.93	ug/kg	
108-90-7	Chlorobenzene	ND	3.0	0.69	ug/kg	
75-00-3	Chloroethane	ND	7.5	0.88	ug/kg	
67-66-3	Chloroform	ND	3.0	0.78	ug/kg	
74-87-3	Chloromethane	ND	7.5	2.9	ug/kg	
110-82-7	Cyclohexane	ND	3.0	0.98	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	3.0	1.0	ug/kg	
124-48-1	Dibromochloromethane	ND	3.0	0.84	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.5	0.63	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	1.5	0.82	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	1.5	0.74	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	1.5	0.74	ug/kg	
75-71-8	Dichlorodifluoromethane [a]	ND	7.5	1.1	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.5	0.74	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.5	0.70	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.5	0.98	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.5	1.3	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.5	0.91	ug/kg	
78-87-5	1,2-Dichloropropane	ND	3.0	0.71	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	3.0	0.71	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	3.0	0.68	ug/kg	
100-41-4	Ethylbenzene	ND	1.5	0.68	ug/kg	
76-13-1	Freon 113	ND	7.5	4.0	ug/kg	
591-78-6	2-Hexanone	ND	7.5	3.2	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-11 (8-8.5')		
Lab Sample ID:	JD47845-6	**Date Sampled:**	07/05/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
Method:	SW846 8260D SW846 5035	**Percent Solids:**	65.5
Project:	4th 83rd Street, Pelham, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	3.0	2.1	ug/kg	
79-20-9	Methyl Acetate [a]	ND	7.5	2.1	ug/kg	
108-87-2	Methylcyclohexane	ND	3.0	1.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.5	0.70	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	7.5	3.4	ug/kg	
75-09-2	Methylene chloride	ND	7.5	3.9	ug/kg	
100-42-5	Styrene	ND	3.0	0.60	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	3.0	0.90	ug/kg	
127-18-4	Tetrachloroethene	ND	3.0	0.87	ug/kg	
108-88-3	Toluene	ND	1.5	0.79	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	7.5	3.7	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	7.5	3.7	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	3.0	0.72	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	3.0	0.83	ug/kg	
79-01-6	Trichloroethene	ND	1.5	1.1	ug/kg	
75-69-4	Trichlorofluoromethane	ND	7.5	1.0	ug/kg	
75-01-4	Vinyl chloride	ND	3.0	0.72	ug/kg	
	m,p-Xylene	ND	1.5	1.3	ug/kg	
95-47-6	o-Xylene	ND	1.5	0.69	ug/kg	
1330-20-7	Xylene (total)	ND	1.5	0.69	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		80-124%
17060-07-0	1,2-Dichloroethane-D4	110%		75-133%
2037-26-5	Toluene-D8	98%		79-125%
460-00-4	4-Bromofluorobenzene	104%		58-148%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-11 (8-8.5')		
Lab Sample ID:	JD47845-6	**Date Sampled:**	07/05/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
Method:	SW846 8270E SW846 3546	**Percent Solids:**	65.5
Project:	4th 83rd Street, Pelham, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6P504396A.D	1	07/10/22 14:05	KLS	07/08/22 17:00	OP40691	E6P3640
Run #2							

	Initial Weight	Final Volume
Run #1	30.4 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	100	25	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	250	31	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	250	43	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	250	89	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	250	190	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	250	54	ug/kg	
95-48-7	2-Methylphenol	ND	100	32	ug/kg	
	3&4-Methylphenol	ND	100	41	ug/kg	
88-75-5	2-Nitrophenol	ND	250	33	ug/kg	
100-02-7	4-Nitrophenol	ND	500	130	ug/kg	
87-86-5	Pentachlorophenol	ND	200	47	ug/kg	
108-95-2	Phenol	ND	100	26	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	250	33	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	250	38	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	250	30	ug/kg	
83-32-9	Acenaphthene	ND	50	17	ug/kg	
208-96-8	Acenaphthylene	ND	50	26	ug/kg	
98-86-2	Acetophenone	ND	250	11	ug/kg	
120-12-7	Anthracene	ND	50	31	ug/kg	
1912-24-9	Atrazine	ND	100	21	ug/kg	
56-55-3	Benzo(a)anthracene	ND	50	14	ug/kg	
50-32-8	Benzo(a)pyrene	ND	50	23	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	50	22	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	50	25	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	50	23	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	100	19	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	100	12	ug/kg	
92-52-4	1,1'-Biphenyl	ND	100	6.9	ug/kg	
100-52-7	Benzaldehyde	ND	250	12	ug/kg	
91-58-7	2-Chloronaphthalene	ND	100	12	ug/kg	
106-47-8	4-Chloroaniline	ND	250	18	ug/kg	
86-74-8	Carbazole	ND	100	7.3	ug/kg	

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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-11 (8-8.5')		
Lab Sample ID:	JD47845-6	**Date Sampled:**	07/05/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
Method:	SW846 8270E SW846 3546	**Percent Solids:**	65.5
Project:	4th 83rd Street, Pelham, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	100	20	ug/kg	
218-01-9	Chrysene	ND	50	16	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	100	11	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	100	22	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	100	18	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	100	16	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	50	16	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	50	25	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	100	42	ug/kg	
123-91-1	1,4-Dioxane	ND	50	33	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	50	22	ug/kg	
132-64-9	Dibenzofuran	ND	100	20	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	100	8.2	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	100	13	ug/kg	
84-66-2	Diethyl phthalate	ND	100	11	ug/kg	
131-11-3	Dimethyl phthalate	ND	100	8.9	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate [a]	ND	100	12	ug/kg	
206-44-0	Fluoranthene	ND	50	22	ug/kg	
86-73-7	Fluorene	ND	50	23	ug/kg	
118-74-1	Hexachlorobenzene	ND	100	13	ug/kg	
87-68-3	Hexachlorobutadiene	ND	50	20	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	500	20	ug/kg	
67-72-1	Hexachloroethane	ND	250	25	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	50	24	ug/kg	
78-59-1	Isophorone	ND	100	11	ug/kg	
91-57-6	2-Methylnaphthalene	ND	50	11	ug/kg	
88-74-4	2-Nitroaniline	ND	250	12	ug/kg	
99-09-2	3-Nitroaniline	ND	250	13	ug/kg	
100-01-6	4-Nitroaniline	ND	250	13	ug/kg	
91-20-3	Naphthalene	ND	50	14	ug/kg	
98-95-3	Nitrobenzene	ND	100	19	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	100	15	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	250	18	ug/kg	
85-01-8	Phenanthrene	ND	50	17	ug/kg	
129-00-0	Pyrene	ND	50	16	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	250	13	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	43%		10-99%

ND = Not detected MDL = Method Detection Limit
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B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-11 (8-8.5')		
Lab Sample ID:	JD47845-6	**Date Sampled:**	07/05/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
Method:	SW846 8270E SW846 3546	**Percent Solids:**	65.5
Project:	4th 83rd Street, Pelham, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	40%		10-96%
118-79-6	2,4,6-Tribromophenol	48%		10-123%
4165-60-0	Nitrobenzene-d5	48%		10-109%
321-60-8	2-Fluorobiphenyl	50%		11-109%
1718-51-0	Terphenyl-d14	63%		10-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	System artifact	1.62	1000	ug/kg	J
	System artifact	2.74	330	ug/kg	J
	System artifact	2.81	270	ug/kg	J
	System artifact	2.87	1100	ug/kg	J
	System artifact/aldol-condensation	2.93	250	ug/kg	J
	System artifact	3.06	660	ug/kg	J
	Unknown	3.75	400	ug/kg	J
	Alkane	10.57	270	ug/kg	J
	Unknown	11.62	520	ug/kg	J
88104-31-8	2- Chloropropionic acid, octadecyl ester	12.64	700	ug/kg	JN
	Alkene	14.50	480	ug/kg	J
	Total TIC, Semi-Volatile		2370	ug/kg	J

(a) Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-11 (8-8.5')		
Lab Sample ID:	JD47845-6	**Date Sampled:**	07/05/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
Method:	SW846 8081B SW846 3546	**Percent Solids:**	65.5
Project:	4th 83rd Street, Pelham, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G177872.D	1	07/10/22 20:07	TL	07/09/22 10:00	OP40701	G1G6172
Run #2							

	Initial Weight	Final Volume
Run #1	15.5 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.98	0.81	ug/kg	
319-84-6	alpha-BHC	ND	0.98	0.80	ug/kg	
319-85-7	beta-BHC	ND	0.98	0.89	ug/kg	
319-86-8	delta-BHC	ND	0.98	0.95	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.98	0.73	ug/kg	
5103-71-9	alpha-Chlordane	ND	0.98	0.79	ug/kg	
5103-74-2	gamma-Chlordane	ND	0.98	0.45	ug/kg	
60-57-1	Dieldrin	ND	0.98	0.68	ug/kg	
72-54-8	4,4'-DDD	ND	0.98	0.90	ug/kg	
72-55-9	4,4'-DDE	ND	0.98	0.86	ug/kg	
50-29-3	4,4'-DDT [a]	3.2	0.98	0.87	ug/kg	B
72-20-8	Endrin	ND	0.98	0.77	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.98	0.77	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.98	0.56	ug/kg	
959-98-8	Endosulfan-I	ND	0.98	0.57	ug/kg	
33213-65-9	Endosulfan-II	ND	0.98	0.61	ug/kg	
76-44-8	Heptachlor	ND	0.98	0.85	ug/kg	
1024-57-3	Heptachlor epoxide	ND	0.98	0.69	ug/kg	
72-43-5	Methoxychlor	ND	2.0	0.78	ug/kg	
53494-70-5	Endrin ketone	ND	0.98	0.71	ug/kg	
8001-35-2	Toxaphene	ND	25	23	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	61%		14-145%
877-09-8	Tetrachloro-m-xylene	64%		14-145%
2051-24-3	Decachlorobiphenyl	70%		10-197%
2051-24-3	Decachlorobiphenyl	68%		10-197%

(a) More than 40 % RPD for detected concentrations between the two GC columns.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-11 (8-8.5')		
Lab Sample ID:	JD47845-6	**Date Sampled:**	07/05/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
Method:	SW846 8082A SW846 3546	**Percent Solids:**	65.5
Project:	4th 83rd Street, Pelham, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX2484451.D	1	07/11/22 15:31	CL	07/09/22 10:00	OP40703	GXX7853
Run #2							

	Initial Weight	Final Volume
Run #1	15.5 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	49	23	ug/kg	
11104-28-2	Aroclor 1221	ND	49	31	ug/kg	
11141-16-5	Aroclor 1232	ND	49	31	ug/kg	
53469-21-9	Aroclor 1242	ND	49	20	ug/kg	
12672-29-6	Aroclor 1248	ND	49	44	ug/kg	
11097-69-1	Aroclor 1254	ND	49	26	ug/kg	
11096-82-5	Aroclor 1260	ND	49	21	ug/kg	
11100-14-4	Aroclor 1268	ND	49	21	ug/kg	
37324-23-5	Aroclor 1262	ND	49	32	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	66%		10-163%
877-09-8	Tetrachloro-m-xylene	81%		10-163%
2051-24-3	Decachlorobiphenyl	61%		10-215%
2051-24-3	Decachlorobiphenyl	78%		10-215%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-11 (8-8.5')		
Lab Sample ID:	JD47845-6	**Date Sampled:**	07/05/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
		Percent Solids:	65.5
Project:	4th 83rd Street, Pelham, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	12300	75	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Antimony	< 3.0	3.0	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Arsenic	< 3.0	3.0	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Barium	86.0	30	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Beryllium	0.49	0.30	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Cadmium	0.76	0.75	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Calcium	2870	750	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Chromium	25.1	1.5	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Cobalt	8.6	7.5	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Copper	10.7	3.7	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Iron	13800	75	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Lead	10.5	3.0	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Magnesium	4580	750	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Manganese	140	2.2	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Mercury	0.080	0.045	mg/kg	1	07/08/22	07/11/22	LM	SW846 7471B [1]	SW846 7471B [4]
Nickel	22.5	6.0	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Potassium	< 1500	1500	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Selenium	< 3.0	3.0	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Silver	< 0.75	0.75	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Sodium	< 1500	1500	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Thallium	< 1.5	1.5	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Vanadium	26.4	7.5	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Zinc	73.5	7.5	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA52698
(2) Instrument QC Batch: MA52704
(3) Prep QC Batch: MP33956
(4) Prep QC Batch: MP33996

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB-11 (8-8.5')		
Lab Sample ID:	JD47845-6	**Date Sampled:**	07/05/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
		Percent Solids:	65.5
Project:	4th 83rd Street, Pelham, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.33	0.33	mg/kg	1	07/11/22 13:22	BR	SW846 9012B/LACHAT
Solids, Percent	65.5		%	1	07/07/22 15:56	BG	SM2540 G 18TH ED MOD

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB-11 (8-8.5')		
Lab Sample ID:	JD47845-6A	**Date Sampled:**	07/05/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	65.5
Project:	4th 83rd Street, Pelham, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	5Q2381.D	1	07/28/22 19:44	AFL	07/18/22 06:30	F:OP92125	F:S5Q39
Run #2							

	Initial Weight	Final Volume
Run #1	1.98 g	1.0 ml
Run #2		

PFAS List

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYLCARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	ND	1.5	0.59	ug/kg	
2706-90-3	Perfluoropentanoic acid	ND	0.77	0.39	ug/kg	
307-24-4	Perfluorohexanoic acid	ND	0.77	0.39	ug/kg	
375-85-9	Perfluoroheptanoic acid	ND	0.77	0.39	ug/kg	
335-67-1	Perfluorooctanoic acid	ND	0.77	0.39	ug/kg	
375-95-1	Perfluorononanoic acid	ND	0.77	0.39	ug/kg	
335-76-2	Perfluorodecanoic acid	ND	0.77	0.39	ug/kg	
2058-94-8	Perfluoroundecanoic acid	ND	0.77	0.39	ug/kg	
307-55-1	Perfluorododecanoic acid	ND	0.77	0.39	ug/kg	
72629-94-8	Perfluorotridecanoic acid	ND	0.77	0.41	ug/kg	
376-06-7	Perfluorotetradecanoic acid	ND	0.77	0.39	ug/kg	
PERFLUOROALKYLSULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.77	0.39	ug/kg	
355-46-4	Perfluorohexanesulfonic acid	ND	0.77	0.39	ug/kg	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.77	0.39	ug/kg	
1763-23-1	Perfluorooctanesulfonic acid	ND	0.77	0.31	ug/kg	
335-77-3	Perfluorodecanesulfonic acid	ND	0.77	0.39	ug/kg	
PERFLUOROOCTANESULFONAMIDES						
754-91-6	PFOSA	ND	0.77	0.39	ug/kg	
PERFLUOROOCTANESULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	1.5	0.77	ug/kg	
2991-50-6	EtFOSAA	ND	1.5	0.77	ug/kg	
FLUOROTELOMER SULFONATES						
27619-97-2	6:2 Fluorotelomer sulfonate	ND	1.5	0.39	ug/kg	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	1.5	0.39	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-11 (8-8.5')		
Lab Sample ID:	JD47845-6A	**Date Sampled:**	07/05/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	65.5
Project:	4th 83rd Street, Pelham, NY		

PFAS List

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	59%		40-140%
	13C5-PFPeA	59%		50-150%
	13C5-PFHxA	61%		50-150%
	13C4-PFHpA	62%		50-150%
	13C8-PFOA	63%		50-150%
	13C9-PFNA	64%		50-150%
	13C6-PFDA	68%		50-150%
	13C7-PFUnDA	70%		40-140%
	13C2-PFDoDA	74%		40-140%
	13C2-PFTeDA	88%		30-130%
	13C3-PFBS	96%		50-150%
	13C3-PFHxS	97%		50-150%
	13C8-PFOS	97%		50-150%
	13C8-FOSA	61%		30-130%
	d3-MeFOSAA	90%		40-140%
	d5-EtFOSAA	88%		40-140%
	13C2-6:2FTS	96%		50-150%
	13C2-8:2FTS	104%		50-150%

(a) Analysis performed at SGS Orlando, FL.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-10 (5-5.5')		
Lab Sample ID:	JD47845-7	**Date Sampled:**	07/05/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
Method:	SW846 8260D SW846 5035	**Percent Solids:**	85.8
Project:	4th 83rd Street, Pelham, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C177050.D	1	07/13/22 18:17	PS	07/07/22 12:42	n/a	V3C7770
Run #2							

	Initial Weight
Run #1	6.2 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	127	9.4	3.9	ug/kg	
71-43-2	Benzene	ND	0.47	0.43	ug/kg	
74-97-5	Bromochloromethane	ND	4.7	0.53	ug/kg	
75-27-4	Bromodichloromethane	ND	1.9	0.40	ug/kg	
75-25-2	Bromoform	ND	4.7	1.3	ug/kg	
74-83-9	Bromomethane [a]	ND	4.7	0.72	ug/kg	
78-93-3	2-Butanone (MEK)	22.0	9.4	2.3	ug/kg	
75-15-0	Carbon disulfide	ND	1.9	0.50	ug/kg	
56-23-5	Carbon tetrachloride	ND	1.9	0.58	ug/kg	
108-90-7	Chlorobenzene	ND	1.9	0.43	ug/kg	
75-00-3	Chloroethane [a]	ND	4.7	0.56	ug/kg	
67-66-3	Chloroform	ND	1.9	0.49	ug/kg	
74-87-3	Chloromethane	ND	4.7	1.8	ug/kg	
110-82-7	Cyclohexane	ND	1.9	0.62	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	1.9	0.65	ug/kg	
124-48-1	Dibromochloromethane	ND	1.9	0.53	ug/kg	
106-93-4	1,2-Dibromoethane	ND	0.94	0.40	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.94	0.51	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.94	0.47	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.94	0.46	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	4.7	0.68	ug/kg	
75-34-3	1,1-Dichloroethane	ND	0.94	0.47	ug/kg	
107-06-2	1,2-Dichloroethane	ND	0.94	0.44	ug/kg	
75-35-4	1,1-Dichloroethene	ND	0.94	0.62	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.94	0.79	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.94	0.57	ug/kg	
78-87-5	1,2-Dichloropropane	ND	1.9	0.44	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	1.9	0.45	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	1.9	0.43	ug/kg	
100-41-4	Ethylbenzene	ND	0.94	0.43	ug/kg	
76-13-1	Freon 113	ND	4.7	2.5	ug/kg	
591-78-6	2-Hexanone	ND	4.7	2.0	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-10 (5-5.5')		
Lab Sample ID:	JD47845-7	**Date Sampled:**	07/05/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
Method:	SW846 8260D SW846 5035	**Percent Solids:**	85.8
Project:	4th 83rd Street, Pelham, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.9	1.3	ug/kg	
79-20-9	Methyl Acetate	ND	4.7	1.3	ug/kg	
108-87-2	Methylcyclohexane	ND	1.9	0.82	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.94	0.44	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	4.7	2.1	ug/kg	
75-09-2	Methylene chloride	ND	4.7	2.5	ug/kg	
100-42-5	Styrene	ND	1.9	0.38	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.9	0.56	ug/kg	
127-18-4	Tetrachloroethene	ND	1.9	0.55	ug/kg	
108-88-3	Toluene	ND	0.94	0.49	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	4.7	2.3	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	4.7	2.3	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	1.9	0.45	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	1.9	0.52	ug/kg	
79-01-6	Trichloroethene	ND	0.94	0.72	ug/kg	
75-69-4	Trichlorofluoromethane	ND	4.7	0.64	ug/kg	
75-01-4	Vinyl chloride	ND	1.9	0.45	ug/kg	
	m,p-Xylene	ND	0.94	0.84	ug/kg	
95-47-6	o-Xylene	ND	0.94	0.43	ug/kg	
1330-20-7	Xylene (total)	ND	0.94	0.43	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		80-124%
17060-07-0	1,2-Dichloroethane-D4	115%		75-133%
2037-26-5	Toluene-D8	102%		79-125%
460-00-4	4-Bromofluorobenzene	99%		58-148%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

(a) Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-10 (5-5.5')		
Lab Sample ID:	JD47845-7	**Date Sampled:**	07/05/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
Method:	SW846 8270E SW846 3546	**Percent Solids:**	85.8
Project:	4th 83rd Street, Pelham, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6P504397.D	1	07/10/22 14:28	KLS	07/08/22 17:00	OP40691	E6P3640
Run #2							

	Initial Weight	Final Volume
Run #1	31.8 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	73	18	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	180	22	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	180	31	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	180	65	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	180	140	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	180	39	ug/kg	
95-48-7	2-Methylphenol	ND	73	23	ug/kg	
	3&4-Methylphenol	ND	73	30	ug/kg	
88-75-5	2-Nitrophenol	ND	180	24	ug/kg	
100-02-7	4-Nitrophenol	ND	370	98	ug/kg	
87-86-5	Pentachlorophenol	ND	150	34	ug/kg	
108-95-2	Phenol	ND	73	19	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	180	24	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	180	27	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	180	22	ug/kg	
83-32-9	Acenaphthene	ND	37	13	ug/kg	
208-96-8	Acenaphthylene	ND	37	19	ug/kg	
98-86-2	Acetophenone	ND	180	7.9	ug/kg	
120-12-7	Anthracene	ND	37	22	ug/kg	
1912-24-9	Atrazine	ND	73	16	ug/kg	
56-55-3	Benzo(a)anthracene	23.7	37	10	ug/kg	J
50-32-8	Benzo(a)pyrene	20.6	37	17	ug/kg	J
205-99-2	Benzo(b)fluoranthene	26.4	37	16	ug/kg	J
191-24-2	Benzo(g,h,i)perylene	ND	37	18	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	37	17	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	73	14	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	73	8.9	ug/kg	
92-52-4	1,1'-Biphenyl	ND	73	5.0	ug/kg	
100-52-7	Benzaldehyde	ND	180	9.1	ug/kg	
91-58-7	2-Chloronaphthalene	ND	73	8.7	ug/kg	
106-47-8	4-Chloroaniline	ND	180	13	ug/kg	
86-74-8	Carbazole	ND	73	5.3	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-10 (5-5.5')		
Lab Sample ID:	JD47845-7	**Date Sampled:**	07/05/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
Method:	SW846 8270E SW846 3546	**Percent Solids:**	85.8
Project:	4th 83rd Street, Pelham, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	73	14	ug/kg	
218-01-9	Chrysene	25.1	37	12	ug/kg	J
111-91-1	bis(2-Chloroethoxy)methane	ND	73	7.8	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	73	16	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	73	13	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	73	12	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	37	11	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	37	18	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	73	31	ug/kg	
123-91-1	1,4-Dioxane	ND	37	24	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	37	16	ug/kg	
132-64-9	Dibenzofuran	ND	73	15	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	73	6.0	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	73	9.1	ug/kg	
84-66-2	Diethyl phthalate	ND	73	7.8	ug/kg	
131-11-3	Dimethyl phthalate	ND	73	6.5	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate [a]	ND	73	8.6	ug/kg	
206-44-0	Fluoranthene	29.7	37	16	ug/kg	J
86-73-7	Fluorene	ND	37	17	ug/kg	
118-74-1	Hexachlorobenzene	ND	73	9.3	ug/kg	
87-68-3	Hexachlorobutadiene	ND	37	15	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	370	15	ug/kg	
67-72-1	Hexachloroethane	ND	180	18	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	37	17	ug/kg	
78-59-1	Isophorone	ND	73	7.8	ug/kg	
91-57-6	2-Methylnaphthalene	ND	37	8.3	ug/kg	
88-74-4	2-Nitroaniline	ND	180	8.6	ug/kg	
99-09-2	3-Nitroaniline	ND	180	9.2	ug/kg	
100-01-6	4-Nitroaniline	ND	180	9.5	ug/kg	
91-20-3	Naphthalene	ND	37	10	ug/kg	
98-95-3	Nitrobenzene	ND	73	14	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	73	11	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	180	13	ug/kg	
85-01-8	Phenanthrene	ND	37	12	ug/kg	
129-00-0	Pyrene	43.0	37	12	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	180	9.3	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	29%		10-99%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-10 (5-5.5')		
Lab Sample ID:	JD47845-7	**Date Sampled:**	07/05/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
Method:	SW846 8270E SW846 3546	**Percent Solids:**	85.8
Project:	4th 83rd Street, Pelham, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	26%		10-96%
118-79-6	2,4,6-Tribromophenol	32%		10-123%
4165-60-0	Nitrobenzene-d5	31%		10-109%
321-60-8	2-Fluorobiphenyl	31%		11-109%
1718-51-0	Terphenyl-d14	43%		10-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	System artifact	1.62	360	ug/kg	J
	System artifact	2.87	470	ug/kg	J
	System artifact	3.06	290	ug/kg	J
	Total TIC, Semi-Volatile		0	ug/kg	

(a) Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-10 (5-5.5')		
Lab Sample ID:	JD47845-7	**Date Sampled:**	07/05/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
Method:	SW846 8081B SW846 3546	**Percent Solids:**	85.8
Project:	4th 83rd Street, Pelham, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	1G177956.D	1	07/12/22 05:21	CP	07/09/22 10:00	OP40701	G1G6175
Run #2							

	Initial Weight	Final Volume
Run #1	16.8 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.69	0.57	ug/kg	
319-84-6	alpha-BHC	ND	0.69	0.56	ug/kg	
319-85-7	beta-BHC	ND	0.69	0.63	ug/kg	
319-86-8	delta-BHC	ND	0.69	0.67	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.69	0.51	ug/kg	
5103-71-9	alpha-Chlordane	ND	0.69	0.56	ug/kg	
5103-74-2	gamma-Chlordane	ND	0.69	0.31	ug/kg	
60-57-1	Dieldrin	ND	0.69	0.48	ug/kg	
72-54-8	4,4'-DDD	ND	0.69	0.64	ug/kg	
72-55-9	4,4'-DDE	ND	0.69	0.61	ug/kg	
50-29-3	4,4'-DDT [b]	3.2	0.69	0.61	ug/kg	B
72-20-8	Endrin	ND	0.69	0.54	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.69	0.54	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.69	0.39	ug/kg	
959-98-8	Endosulfan-I	ND	0.69	0.40	ug/kg	
33213-65-9	Endosulfan-II	ND	0.69	0.43	ug/kg	
76-44-8	Heptachlor	ND	0.69	0.60	ug/kg	
1024-57-3	Heptachlor epoxide	ND	0.69	0.49	ug/kg	
72-43-5	Methoxychlor	ND	1.4	0.55	ug/kg	
53494-70-5	Endrin ketone	ND	0.69	0.50	ug/kg	
8001-35-2	Toxaphene	ND	17	16	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	69%		14-145%
877-09-8	Tetrachloro-m-xylene	82%		14-145%
2051-24-3	Decachlorobiphenyl	57%		10-197%
2051-24-3	Decachlorobiphenyl	74%		10-197%

(a) Had TBA cleanup.
(b) More than 40 % RPD for detected concentrations between the two GC columns.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-10 (5-5.5')		
Lab Sample ID:	JD47845-7	**Date Sampled:**	07/05/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
Method:	SW846 8082A SW846 3546	**Percent Solids:**	85.8
Project:	4th 83rd Street, Pelham, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	XX2484538.D	1	07/12/22 15:35	RK	07/09/22 10:00	OP40703	GXX7854
Run #2							

	Initial Weight	Final Volume
Run #1	16.8 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	35	16	ug/kg	
11104-28-2	Aroclor 1221	ND	35	22	ug/kg	
11141-16-5	Aroclor 1232	ND	35	22	ug/kg	
53469-21-9	Aroclor 1242	ND	35	14	ug/kg	
12672-29-6	Aroclor 1248	ND	35	31	ug/kg	
11097-69-1	Aroclor 1254	ND	35	19	ug/kg	
11096-82-5	Aroclor 1260	ND	35	15	ug/kg	
11100-14-4	Aroclor 1268	ND	35	15	ug/kg	
37324-23-5	Aroclor 1262	ND	35	23	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	70%		10-163%
877-09-8	Tetrachloro-m-xylene	82%		10-163%
2051-24-3	Decachlorobiphenyl	57%		10-215%
2051-24-3	Decachlorobiphenyl	65%		10-215%

(a) Had TBA cleanup.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB-10 (5-5.5')
Lab Sample ID: JD47845-7
Matrix: SO - Soil
Project: 4th 83rd Street, Pelham, NY

Date Sampled: 07/05/22
Date Received: 07/06/22
Percent Solids: 85.8

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	19300	58	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Antimony	< 2.3	2.3	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Arsenic	5.2	2.3	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Barium	68.0	23	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Beryllium	0.69	0.23	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Cadmium	0.59	0.58	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Calcium	1450	580	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Chromium	31.7	1.2	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Cobalt	7.8	5.8	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Copper	132	2.9	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Iron	20100	58	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Lead	22.6	2.3	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Magnesium	4130	580	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Manganese	263	1.7	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Mercury	0.051	0.036	mg/kg	1	07/08/22	07/11/22	LM	SW846 7471B [1]	SW846 7471B [4]
Nickel	27.4	4.7	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Potassium	< 1200	1200	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Selenium	< 2.3	2.3	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Silver	< 0.58	0.58	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Sodium	< 1200	1200	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Thallium	< 1.2	1.2	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Vanadium	32.5	5.8	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Zinc	59.1	5.8	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA52698
(2) Instrument QC Batch: MA52704
(3) Prep QC Batch: MP33956
(4) Prep QC Batch: MP33996

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB-10 (5-5.5')		
Lab Sample ID:	JD47845-7	**Date Sampled:**	07/05/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
		Percent Solids:	85.8
Project:	4th 83rd Street, Pelham, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.26	0.26	mg/kg	1	07/11/22 13:24	BR	SW846 9012B/LACHAT
Solids, Percent	85.8		%	1	07/07/22 15:56	BG	SM2540 G 18TH ED MOD

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB-10 (5-5.5')		
Lab Sample ID:	JD47845-7A	**Date Sampled:**	07/05/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	85.8
Project:	4th 83rd Street, Pelham, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	5Q2382.D	1	07/28/22 20:00	AFL	07/18/22 06:30	F:OP92125	F:S5Q39
Run #2							

	Initial Weight	Final Volume
Run #1	2.01 g	1.0 ml
Run #2		

PFAS List

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYLCARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	ND	1.2	0.44	ug/kg	
2706-90-3	Perfluoropentanoic acid	ND	0.58	0.29	ug/kg	
307-24-4	Perfluorohexanoic acid	ND	0.58	0.29	ug/kg	
375-85-9	Perfluoroheptanoic acid	ND	0.58	0.29	ug/kg	
335-67-1	Perfluorooctanoic acid	ND	0.58	0.29	ug/kg	
375-95-1	Perfluorononanoic acid	ND	0.58	0.29	ug/kg	
335-76-2	Perfluorodecanoic acid	ND	0.58	0.29	ug/kg	
2058-94-8	Perfluoroundecanoic acid	ND	0.58	0.29	ug/kg	
307-55-1	Perfluorododecanoic acid	ND	0.58	0.29	ug/kg	
72629-94-8	Perfluorotridecanoic acid	ND	0.58	0.31	ug/kg	
376-06-7	Perfluorotetradecanoic acid	ND	0.58	0.29	ug/kg	
PERFLUOROALKYLSULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.58	0.29	ug/kg	
355-46-4	Perfluorohexanesulfonic acid	ND	0.58	0.29	ug/kg	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.58	0.29	ug/kg	
1763-23-1	Perfluorooctanesulfonic acid	ND	0.58	0.23	ug/kg	
335-77-3	Perfluorodecanesulfonic acid	ND	0.58	0.29	ug/kg	
PERFLUOROOCTANESULFONAMIDES						
754-91-6	PFOSA	ND	0.58	0.29	ug/kg	
PERFLUOROOCTANESULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	1.2	0.58	ug/kg	
2991-50-6	EtFOSAA	ND	1.2	0.58	ug/kg	
FLUOROTELOMER SULFONATES						
27619-97-2	6:2 Fluorotelomer sulfonate	ND	1.2	0.29	ug/kg	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	1.2	0.29	ug/kg	

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Report of Analysis

Client Sample ID:	SB-10 (5-5.5')		
Lab Sample ID:	JD47845-7A	**Date Sampled:**	07/05/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	85.8
Project:	4th 83rd Street, Pelham, NY		

PFAS List

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	70%		40-140%
	13C5-PFPeA	74%		50-150%
	13C5-PFHxA	76%		50-150%
	13C4-PFHpA	77%		50-150%
	13C8-PFOA	77%		50-150%
	13C9-PFNA	77%		50-150%
	13C6-PFDA	78%		50-150%
	13C7-PFUnDA	76%		40-140%
	13C2-PFDoDA	76%		40-140%
	13C2-PFTeDA	87%		30-130%
	13C3-PFBS	102%		50-150%
	13C3-PFHxS	104%		50-150%
	13C8-PFOS	100%		50-150%
	13C8-FOSA	72%		30-130%
	d3-MeFOSAA	100%		40-140%
	d5-EtFOSAA	97%		40-140%
	13C2-6:2FTS	102%		50-150%
	13C2-8:2FTS	110%		50-150%

(a) Analysis performed at SGS Orlando, FL.

ND = Not detected MDL = Method Detection Limit
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Report of Analysis

Client Sample ID:	SB-10 (7-7.5')		
Lab Sample ID:	JD47845-8	**Date Sampled:**	07/05/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
Method:	SW846 8260D SW846 5035	**Percent Solids:**	90.5
Project:	4th 83rd Street, Pelham, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C177051.D	1	07/13/22 18:42	PS	07/07/22 12:42	n/a	V3C7770
Run #2							

	Initial Weight
Run #1	6.9 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	12.8	8.0	3.3	ug/kg	
71-43-2	Benzene	ND	0.40	0.36	ug/kg	
74-97-5	Bromochloromethane	ND	4.0	0.45	ug/kg	
75-27-4	Bromodichloromethane	ND	1.6	0.34	ug/kg	
75-25-2	Bromoform	ND	4.0	1.1	ug/kg	
74-83-9	Bromomethane [a]	ND	4.0	0.61	ug/kg	
78-93-3	2-Butanone (MEK)	ND	8.0	1.9	ug/kg	
75-15-0	Carbon disulfide	ND	1.6	0.43	ug/kg	
56-23-5	Carbon tetrachloride	ND	1.6	0.49	ug/kg	
108-90-7	Chlorobenzene	ND	1.6	0.37	ug/kg	
75-00-3	Chloroethane [a]	ND	4.0	0.47	ug/kg	
67-66-3	Chloroform	ND	1.6	0.42	ug/kg	
74-87-3	Chloromethane	ND	4.0	1.6	ug/kg	
110-82-7	Cyclohexane	ND	1.6	0.53	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	1.6	0.56	ug/kg	
124-48-1	Dibromochloromethane	ND	1.6	0.45	ug/kg	
106-93-4	1,2-Dibromoethane	ND	0.80	0.34	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.80	0.44	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.80	0.40	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.80	0.40	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	4.0	0.58	ug/kg	
75-34-3	1,1-Dichloroethane	ND	0.80	0.40	ug/kg	
107-06-2	1,2-Dichloroethane	ND	0.80	0.38	ug/kg	
75-35-4	1,1-Dichloroethene	ND	0.80	0.52	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.80	0.67	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.80	0.49	ug/kg	
78-87-5	1,2-Dichloropropane	ND	1.6	0.38	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	1.6	0.38	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	1.6	0.37	ug/kg	
100-41-4	Ethylbenzene	ND	0.80	0.36	ug/kg	
76-13-1	Freon 113	ND	4.0	2.1	ug/kg	
591-78-6	2-Hexanone	ND	4.0	1.7	ug/kg	

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Report of Analysis

Client Sample ID:	SB-10 (7-7.5')		
Lab Sample ID:	JD47845-8	**Date Sampled:**	07/05/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
Method:	SW846 8260D SW846 5035	**Percent Solids:**	90.5
Project:	4th 83rd Street, Pelham, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.6	1.1	ug/kg	
79-20-9	Methyl Acetate	ND	4.0	1.1	ug/kg	
108-87-2	Methylcyclohexane	ND	1.6	0.70	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.80	0.38	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	4.0	1.8	ug/kg	
75-09-2	Methylene chloride	ND	4.0	2.1	ug/kg	
100-42-5	Styrene	ND	1.6	0.32	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.6	0.48	ug/kg	
127-18-4	Tetrachloroethene	ND	1.6	0.46	ug/kg	
108-88-3	Toluene	ND	0.80	0.42	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	4.0	2.0	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	4.0	2.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	1.6	0.39	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	1.6	0.44	ug/kg	
79-01-6	Trichloroethene	ND	0.80	0.61	ug/kg	
75-69-4	Trichlorofluoromethane	ND	4.0	0.55	ug/kg	
75-01-4	Vinyl chloride	ND	1.6	0.39	ug/kg	
	m,p-Xylene	ND	0.80	0.72	ug/kg	
95-47-6	o-Xylene	ND	0.80	0.37	ug/kg	
1330-20-7	Xylene (total)	ND	0.80	0.37	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		80-124%
17060-07-0	1,2-Dichloroethane-D4	115%		75-133%
2037-26-5	Toluene-D8	100%		79-125%
460-00-4	4-Bromofluorobenzene	99%		58-148%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

(a) Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.

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Report of Analysis

Client Sample ID:	SB-10 (7-7.5')		
Lab Sample ID:	JD47845-8	**Date Sampled:**	07/05/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
Method:	SW846 8270E SW846 3546	**Percent Solids:**	90.5
Project:	4th 83rd Street, Pelham, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6P504428.D	1	07/11/22 15:45	NAP	07/08/22 17:00	OP40691	E6P3641
Run #2							

	Initial Weight	Final Volume
Run #1	30.4 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	73	18	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	180	22	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	180	31	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	180	65	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	180	140	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	180	39	ug/kg	
95-48-7	2-Methylphenol	ND	73	23	ug/kg	
	3&4-Methylphenol	ND	73	30	ug/kg	
88-75-5	2-Nitrophenol	ND	180	24	ug/kg	
100-02-7	4-Nitrophenol	ND	360	97	ug/kg	
87-86-5	Pentachlorophenol [a]	ND	150	34	ug/kg	
108-95-2	Phenol	ND	73	19	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	180	24	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	180	27	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	180	22	ug/kg	
83-32-9	Acenaphthene	ND	36	13	ug/kg	
208-96-8	Acenaphthylene	32.2	36	18	ug/kg	J
98-86-2	Acetophenone	ND	180	7.8	ug/kg	
120-12-7	Anthracene	34.4	36	22	ug/kg	J
1912-24-9	Atrazine	ND	73	16	ug/kg	
56-55-3	Benzo(a)anthracene	140	36	10	ug/kg	
50-32-8	Benzo(a)pyrene	135	36	17	ug/kg	
205-99-2	Benzo(b)fluoranthene [b]	161	36	16	ug/kg	
191-24-2	Benzo(g,h,i)perylene	101	36	18	ug/kg	
207-08-9	Benzo(k)fluoranthene	55.9	36	17	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	73	14	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	73	8.9	ug/kg	
92-52-4	1,1'-Biphenyl	ND	73	5.0	ug/kg	
100-52-7	Benzaldehyde	ND	180	9.0	ug/kg	
91-58-7	2-Chloronaphthalene	ND	73	8.7	ug/kg	
106-47-8	4-Chloroaniline	ND	180	13	ug/kg	
86-74-8	Carbazole	14.7	73	5.3	ug/kg	J

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Report of Analysis

Client Sample ID:	SB-10 (7-7.5')		
Lab Sample ID:	JD47845-8	**Date Sampled:**	07/05/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
Method:	SW846 8270E SW846 3546	**Percent Solids:**	90.5
Project:	4th 83rd Street, Pelham, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	73	14	ug/kg	
218-01-9	Chrysene	153	36	11	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	73	7.8	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	73	16	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	73	13	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	73	12	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	36	11	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	36	18	ug/kg	
91-94-1	3,3'-Dichlorobenzidine [c]	ND	73	30	ug/kg	
123-91-1	1,4-Dioxane [a]	ND	36	24	ug/kg	
53-70-3	Dibenzo(a,h)anthracene [b]	28.4	36	16	ug/kg	J
132-64-9	Dibenzofuran	ND	73	15	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	73	5.9	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	73	9.1	ug/kg	
84-66-2	Diethyl phthalate	ND	73	7.7	ug/kg	
131-11-3	Dimethyl phthalate	ND	73	6.5	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	10.9	73	8.5	ug/kg	J
206-44-0	Fluoranthene	199	36	16	ug/kg	
86-73-7	Fluorene	ND	36	17	ug/kg	
118-74-1	Hexachlorobenzene	ND	73	9.2	ug/kg	
87-68-3	Hexachlorobutadiene	ND	36	15	ug/kg	
77-47-4	Hexachlorocyclopentadiene [a]	ND	360	14	ug/kg	
67-72-1	Hexachloroethane	ND	180	18	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene [b]	129	36	17	ug/kg	
78-59-1	Isophorone	ND	73	7.8	ug/kg	
91-57-6	2-Methylnaphthalene	ND	36	8.2	ug/kg	
88-74-4	2-Nitroaniline	ND	180	8.6	ug/kg	
99-09-2	3-Nitroaniline	ND	180	9.1	ug/kg	
100-01-6	4-Nitroaniline	ND	180	9.4	ug/kg	
91-20-3	Naphthalene	ND	36	10	ug/kg	
98-95-3	Nitrobenzene	ND	73	14	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	73	11	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	180	13	ug/kg	
85-01-8	Phenanthrene	93.3	36	12	ug/kg	
129-00-0	Pyrene	259	36	12	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	180	9.2	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	34%		10-99%

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-10 (7-7.5')		
Lab Sample ID:	JD47845-8	**Date Sampled:**	07/05/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
Method:	SW846 8270E SW846 3546	**Percent Solids:**	90.5
Project:	4th 83rd Street, Pelham, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	33%		10-96%
118-79-6	2,4,6-Tribromophenol	38%		10-123%
4165-60-0	Nitrobenzene-d5	38%		10-109%
321-60-8	2-Fluorobiphenyl	36%		11-109%
1718-51-0	Terphenyl-d14	49%		10-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	2.85	450	ug/kg	J
	system artifact	3.05	280	ug/kg	J
	system artifact	3.66	180	ug/kg	J
	unknown	3.75	620	ug/kg	J
	unknown PAH substance	13.26	160	ug/kg	J
	Total TIC, Semi-Volatile		780	ug/kg	J

(a) Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.
(b) Associated CCV outside of control limits high. Estimated value, due to corresponding failure in the batch associated CCV.
(c) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-10 (7-7.5')		
Lab Sample ID:	JD47845-8	**Date Sampled:**	07/05/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
Method:	SW846 8081B SW846 3546	**Percent Solids:**	90.5
Project:	4th 83rd Street, Pelham, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	1G177957.D	1	07/12/22 05:39	CP	07/09/22 10:00	OP40701	G1G6175
Run #2							

	Initial Weight	Final Volume
Run #1	16.4 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.67	0.56	ug/kg	
319-84-6	alpha-BHC	ND	0.67	0.55	ug/kg	
319-85-7	beta-BHC	ND	0.67	0.61	ug/kg	
319-86-8	delta-BHC	ND	0.67	0.65	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.67	0.50	ug/kg	
5103-71-9	alpha-Chlordane	3.1	0.67	0.54	ug/kg	
5103-74-2	gamma-Chlordane	2.1	0.67	0.31	ug/kg	
60-57-1	Dieldrin	0.73	0.67	0.46	ug/kg	
72-54-8	4,4'-DDD	8.8	0.67	0.62	ug/kg	
72-55-9	4,4'-DDE	1.2	0.67	0.59	ug/kg	
50-29-3	4,4'-DDT	4.0	0.67	0.60	ug/kg	B
72-20-8	Endrin	ND	0.67	0.52	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.67	0.53	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.67	0.38	ug/kg	
959-98-8	Endosulfan-I	ND	0.67	0.39	ug/kg	
33213-65-9	Endosulfan-II	ND	0.67	0.42	ug/kg	
76-44-8	Heptachlor	ND	0.67	0.58	ug/kg	
1024-57-3	Heptachlor epoxide	ND	0.67	0.47	ug/kg	
72-43-5	Methoxychlor	ND	1.3	0.54	ug/kg	
53494-70-5	Endrin ketone	ND	0.67	0.49	ug/kg	
8001-35-2	Toxaphene	ND	17	16	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	76%		14-145%
877-09-8	Tetrachloro-m-xylene	81%		14-145%
2051-24-3	Decachlorobiphenyl	51%		10-197%
2051-24-3	Decachlorobiphenyl	101%		10-197%

(a) Had TBA cleanup.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-10 (7-7.5')		
Lab Sample ID:	JD47845-8	**Date Sampled:**	07/05/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
Method:	SW846 8082A SW846 3546	**Percent Solids:**	90.5
Project:	4th 83rd Street, Pelham, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX2484453.D	1	07/11/22 16:05	CL	07/09/22 10:00	OP40703	GXX7853
Run #2							

	Initial Weight	Final Volume
Run #1	16.4 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	34	16	ug/kg	
11104-28-2	Aroclor 1221	ND	34	21	ug/kg	
11141-16-5	Aroclor 1232	ND	34	21	ug/kg	
53469-21-9	Aroclor 1242	ND	34	14	ug/kg	
12672-29-6	Aroclor 1248	ND	34	30	ug/kg	
11097-69-1	Aroclor 1254	ND	34	18	ug/kg	
11096-82-5	Aroclor 1260	ND	34	14	ug/kg	
11100-14-4	Aroclor 1268	ND	34	14	ug/kg	
37324-23-5	Aroclor 1262	ND	34	22	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	66%		10-163%
877-09-8	Tetrachloro-m-xylene	80%		10-163%
2051-24-3	Decachlorobiphenyl	55%		10-215%
2051-24-3	Decachlorobiphenyl	72%		10-215%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB-10 (7-7.5')
Lab Sample ID: JD47845-8
Matrix: SO - Soil
Project: 4th 83rd Street, Pelham, NY

Date Sampled: 07/05/22
Date Received: 07/06/22
Percent Solids: 90.5

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	12200	55	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [4]
Antimony	< 2.2	2.2	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [4]
Arsenic	5.0	2.2	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [4]
Barium	117	22	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [4]
Beryllium	0.45	0.22	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [4]
Cadmium	0.57	0.55	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [4]
Calcium	52700	2800	mg/kg	5	07/08/22	07/11/22	ND	SW846 6010D [3]	SW846 3050B [4]
Chromium	25.9	1.1	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [4]
Cobalt	27.6	5.5	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [4]
Copper	15.0	2.8	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [4]
Iron	15900	55	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [4]
Lead	178	2.2	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [4]
Magnesium	29700	550	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [4]
Manganese	250	1.7	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [4]
Mercury	0.081	0.033	mg/kg	1	07/08/22	07/11/22	LM	SW846 7471B [1]	SW846 7471B [5]
Nickel	22.9	4.4	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [4]
Potassium	1160	1100	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [4]
Selenium	< 2.2	2.2	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [4]
Silver	< 0.55	0.55	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [4]
Sodium	< 1100	1100	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [4]
Thallium	< 1.1	1.1	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [4]
Vanadium	25.1	5.5	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [4]
Zinc	86.8	5.5	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA52698
(2) Instrument QC Batch: MA52704
(3) Instrument QC Batch: MA52711
(4) Prep QC Batch: MP33956
(5) Prep QC Batch: MP33996

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB-10 (7-7.5')		
Lab Sample ID:	JD47845-8	**Date Sampled:**	07/05/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
		Percent Solids:	90.5
Project:	4th 83rd Street, Pelham, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.30	0.30	mg/kg	1	07/11/22 13:25	BR	SW846 9012B/LACHAT
Solids, Percent	90.5		%	1	07/07/22 15:56	BG	SM2540 G 18TH ED MOD

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB-10 (7-7.5')		
Lab Sample ID:	JD47845-8A	**Date Sampled:**	07/05/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	90.5
Project:	4th 83rd Street, Pelham, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	5Q2383.D	1	07/28/22 20:15	AFL	07/18/22 06:30	F:OP92125	F:S5Q39
Run #2							

	Initial Weight	Final Volume
Run #1	2.01 g	1.0 ml
Run #2		

PFAS List

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYLCARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	ND	1.1	0.42	ug/kg	
2706-90-3	Perfluoropentanoic acid	ND	0.55	0.27	ug/kg	
307-24-4	Perfluorohexanoic acid	ND	0.55	0.27	ug/kg	
375-85-9	Perfluoroheptanoic acid	ND	0.55	0.27	ug/kg	
335-67-1	Perfluorooctanoic acid	ND	0.55	0.27	ug/kg	
375-95-1	Perfluorononanoic acid	ND	0.55	0.27	ug/kg	
335-76-2	Perfluorodecanoic acid	ND	0.55	0.27	ug/kg	
2058-94-8	Perfluoroundecanoic acid	ND	0.55	0.27	ug/kg	
307-55-1	Perfluorododecanoic acid	ND	0.55	0.27	ug/kg	
72629-94-8	Perfluorotridecanoic acid	ND	0.55	0.29	ug/kg	
376-06-7	Perfluorotetradecanoic acid	ND	0.55	0.27	ug/kg	
PERFLUOROALKYLSULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.55	0.27	ug/kg	
355-46-4	Perfluorohexanesulfonic acid	ND	0.55	0.27	ug/kg	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.55	0.27	ug/kg	
1763-23-1	Perfluorooctanesulfonic acid	ND	0.55	0.22	ug/kg	
335-77-3	Perfluorodecanesulfonic acid	ND	0.55	0.27	ug/kg	
PERFLUOROOCTANESULFONAMIDES						
754-91-6	PFOSA	ND	0.55	0.27	ug/kg	
PERFLUOROOCTANESULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	1.1	0.55	ug/kg	
2991-50-6	EtFOSAA	ND	1.1	0.55	ug/kg	
FLUOROTELOMER SULFONATES						
27619-97-2	6:2 Fluorotelomer sulfonate	ND	1.1	0.27	ug/kg	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	1.1	0.27	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-10 (7-7.5')		
Lab Sample ID:	JD47845-8A	**Date Sampled:**	07/05/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	90.5
Project:	4th 83rd Street, Pelham, NY		

PFAS List

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	75%		40-140%
	13C5-PFPeA	74%		50-150%
	13C5-PFHxA	75%		50-150%
	13C4-PFHpA	76%		50-150%
	13C8-PFOA	77%		50-150%
	13C9-PFNA	78%		50-150%
	13C6-PFDA	85%		50-150%
	13C7-PFUnDA	85%		40-140%
	13C2-PFDoDA	87%		40-140%
	13C2-PFTeDA	91%		30-130%
	13C3-PFBS	93%		50-150%
	13C3-PFHxS	94%		50-150%
	13C8-PFOS	97%		50-150%
	13C8-FOSA	70%		30-130%
	d3-MeFOSAA	106%		40-140%
	d5-EtFOSAA	96%		40-140%
	13C2-6:2FTS	94%		50-150%
	13C2-8:2FTS	100%		50-150%

(a) Analysis performed at SGS Orlando, FL.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-8 (4-4.5')		
Lab Sample ID:	JD47845-9	**Date Sampled:**	07/05/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
Method:	SW846 8260D SW846 5035	**Percent Solids:**	81.0
Project:	4th 83rd Street, Pelham, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C177043.D	1	07/13/22 15:17	PS	07/07/22 12:42	n/a	V3C7770
Run #2							

	Initial Weight
Run #1	6.6 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	37.0	9.4	3.9	ug/kg	
71-43-2	Benzene	ND	0.47	0.43	ug/kg	
74-97-5	Bromochloromethane	ND	4.7	0.52	ug/kg	
75-27-4	Bromodichloromethane	ND	1.9	0.40	ug/kg	
75-25-2	Bromoform	ND	4.7	1.3	ug/kg	
74-83-9	Bromomethane [a]	ND	4.7	0.71	ug/kg	
78-93-3	2-Butanone (MEK)	7.9	9.4	2.3	ug/kg	J
75-15-0	Carbon disulfide	0.61	1.9	0.50	ug/kg	J
56-23-5	Carbon tetrachloride	ND	1.9	0.58	ug/kg	
108-90-7	Chlorobenzene	ND	1.9	0.43	ug/kg	
75-00-3	Chloroethane [a]	ND	4.7	0.55	ug/kg	
67-66-3	Chloroform	ND	1.9	0.49	ug/kg	
74-87-3	Chloromethane	ND	4.7	1.8	ug/kg	
110-82-7	Cyclohexane	ND	1.9	0.61	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	1.9	0.65	ug/kg	
124-48-1	Dibromochloromethane	ND	1.9	0.52	ug/kg	
106-93-4	1,2-Dibromoethane	ND	0.94	0.39	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.94	0.51	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.94	0.46	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.94	0.46	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	4.7	0.68	ug/kg	
75-34-3	1,1-Dichloroethane	ND	0.94	0.46	ug/kg	
107-06-2	1,2-Dichloroethane	ND	0.94	0.44	ug/kg	
75-35-4	1,1-Dichloroethene	ND	0.94	0.61	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.94	0.79	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.94	0.57	ug/kg	
78-87-5	1,2-Dichloropropane	ND	1.9	0.44	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	1.9	0.44	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	1.9	0.43	ug/kg	
100-41-4	Ethylbenzene	ND	0.94	0.42	ug/kg	
76-13-1	Freon 113	ND	4.7	2.5	ug/kg	
591-78-6	2-Hexanone	ND	4.7	2.0	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-8 (4-4.5')		
Lab Sample ID:	JD47845-9	**Date Sampled:**	07/05/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
Method:	SW846 8260D SW846 5035	**Percent Solids:**	81.0
Project:	4th 83rd Street, Pelham, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.9	1.3	ug/kg	
79-20-9	Methyl Acetate	ND	4.7	1.3	ug/kg	
108-87-2	Methylcyclohexane	ND	1.9	0.82	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.94	0.44	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	4.7	2.1	ug/kg	
75-09-2	Methylene chloride	ND	4.7	2.4	ug/kg	
100-42-5	Styrene	ND	1.9	0.38	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.9	0.56	ug/kg	
127-18-4	Tetrachloroethene	ND	1.9	0.54	ug/kg	
108-88-3	Toluene	ND	0.94	0.49	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	4.7	2.3	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	4.7	2.3	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	1.9	0.45	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	1.9	0.52	ug/kg	
79-01-6	Trichloroethene	ND	0.94	0.71	ug/kg	
75-69-4	Trichlorofluoromethane	ND	4.7	0.64	ug/kg	
75-01-4	Vinyl chloride	ND	1.9	0.45	ug/kg	
	m,p-Xylene	ND	0.94	0.84	ug/kg	
95-47-6	o-Xylene	ND	0.94	0.43	ug/kg	
1330-20-7	Xylene (total)	ND	0.94	0.43	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		80-124%
17060-07-0	1,2-Dichloroethane-D4	114%		75-133%
2037-26-5	Toluene-D8	102%		79-125%
460-00-4	4-Bromofluorobenzene	103%		58-148%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

(a) Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-8 (4-4.5')		
Lab Sample ID:	JD47845-9	**Date Sampled:**	07/05/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
Method:	SW846 8270E SW846 3546	**Percent Solids:**	81.0
Project:	4th 83rd Street, Pelham, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6P504410.D	1	07/10/22 19:58	KLS	07/08/22 17:00	OP40691	E6P3640
Run #2 [b]	6P504435.D	1	07/11/22 19:10	NAP	07/08/22 17:00	OP40691	E6P3641

	Initial Weight	Final Volume
Run #1	30.3 g	1.0 ml
Run #2	30.3 g	1.0 ml

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	81	20	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	200	25	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	200	35	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	200	73	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	200	150	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	200	44	ug/kg	
95-48-7	2-Methylphenol	ND	81	26	ug/kg	
	3&4-Methylphenol	ND	81	33	ug/kg	
88-75-5	2-Nitrophenol	ND	200	27	ug/kg	
100-02-7	4-Nitrophenol	ND	410	110	ug/kg	
87-86-5	Pentachlorophenol	ND	160	38	ug/kg	
108-95-2	Phenol	ND	81	21	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	200	27	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	200	31	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	200	24	ug/kg	
83-32-9	Acenaphthene	41.1	41	14	ug/kg	
208-96-8	Acenaphthylene	169	41	21	ug/kg	
98-86-2	Acetophenone	ND	200	8.8	ug/kg	
120-12-7	Anthracene	121	41	25	ug/kg	
1912-24-9	Atrazine	ND	81	17	ug/kg	
56-55-3	Benzo(a)anthracene [c]	446	41	12	ug/kg	
50-32-8	Benzo(a)pyrene	385	41	19	ug/kg	
205-99-2	Benzo(b)fluoranthene	441	41	18	ug/kg	
191-24-2	Benzo(g,h,i)perylene	298	41	20	ug/kg	
207-08-9	Benzo(k)fluoranthene	131	41	19	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	81	16	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	81	9.9	ug/kg	
92-52-4	1,1'-Biphenyl	ND	81	5.6	ug/kg	
100-52-7	Benzaldehyde	ND	200	10	ug/kg	
91-58-7	2-Chloronaphthalene	ND	81	9.7	ug/kg	
106-47-8	4-Chloroaniline	ND	200	15	ug/kg	
86-74-8	Carbazole	18.5	81	5.9	ug/kg	J

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-8 (4-4.5')		
Lab Sample ID:	JD47845-9	**Date Sampled:**	07/05/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
Method:	SW846 8270E SW846 3546	**Percent Solids:**	81.0
Project:	4th 83rd Street, Pelham, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	81	16	ug/kg	
218-01-9	Chrysene [c]	492	41	13	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	81	8.7	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	81	18	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	81	15	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	81	13	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	41	13	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	41	20	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	81	34	ug/kg	
123-91-1	1,4-Dioxane	ND	41	27	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	87.8	41	18	ug/kg	
132-64-9	Dibenzofuran	ND	81	17	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	81	6.6	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	81	10	ug/kg	
84-66-2	Diethyl phthalate	ND	81	8.7	ug/kg	
131-11-3	Dimethyl phthalate	ND	81	7.3	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate [d]	ND	81	9.5	ug/kg	
206-44-0	Fluoranthene	678	41	18	ug/kg	
86-73-7	Fluorene	36.9	41	19	ug/kg	J
118-74-1	Hexachlorobenzene	ND	81	10	ug/kg	
87-68-3	Hexachlorobutadiene	ND	41	16	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	410	16	ug/kg	
67-72-1	Hexachloroethane	ND	200	20	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	366	41	19	ug/kg	
78-59-1	Isophorone	ND	81	8.7	ug/kg	
91-57-6	2-Methylnaphthalene	14.7	41	9.2	ug/kg	J
88-74-4	2-Nitroaniline	ND	200	9.6	ug/kg	
99-09-2	3-Nitroaniline	ND	200	10	ug/kg	
100-01-6	4-Nitroaniline	ND	200	11	ug/kg	
91-20-3	Naphthalene	26.1	41	11	ug/kg	J
98-95-3	Nitrobenzene	ND	81	16	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	81	12	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	200	15	ug/kg	
85-01-8	Phenanthrene	136	41	14	ug/kg	
129-00-0	Pyrene [c]	953	41	13	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	200	10	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	41%	44%	10-99%

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B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-8 (4-4.5')		
Lab Sample ID:	JD47845-9	**Date Sampled:**	07/05/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
Method:	SW846 8270E SW846 3546	**Percent Solids:**	81.0
Project:	4th 83rd Street, Pelham, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	38%	41%	10-96%
118-79-6	2,4,6-Tribromophenol	44%	45%	10-123%
4165-60-0	Nitrobenzene-d5	47%	48%	10-109%
321-60-8	2-Fluorobiphenyl	47%	46%	11-109%
1718-51-0	Terphenyl-d14	58%	54%	10-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	System artifact	1.62	300	ug/kg	J
	System artifact	2.74	220	ug/kg	J
	System artifact	2.82	180	ug/kg	J
	System artifact	2.87	730	ug/kg	J
	System artifact/aldol-condensation	2.94	170	ug/kg	J
	System artifact	3.06	440	ug/kg	J
	Unknown	3.76	640	ug/kg	J
	Alkane	4.04	230	ug/kg	J
	Alkene	12.64	260	ug/kg	J
	Unknown PAH substance	13.49	270	ug/kg	J
	Unknown	14.38	260	ug/kg	J
	Unknown	14.74	370	ug/kg	J
	Unknown	15.15	210	ug/kg	J
	Total TIC, Semi-Volatile		2240	ug/kg	J

(a) Internal standard Chrysene-d12 outside control limits due to matrix interference. Confirmed by reanalysis.
(b) Confirmation run for internal standard areas.
(c) Estimated value, due to corresponding internal standard failing low.
(d) Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.

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RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-8 (4-4.5')		
Lab Sample ID:	JD47845-9	**Date Sampled:**	07/05/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
Method:	SW846 8081B SW846 3546	**Percent Solids:**	81.0
Project:	4th 83rd Street, Pelham, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	1G177958.D	1	07/12/22 05:57	CP	07/09/22 10:00	OP40701	G1G6175
Run #2							

	Initial Weight	Final Volume
Run #1	16.0 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.77	0.64	ug/kg	
319-84-6	alpha-BHC	ND	0.77	0.63	ug/kg	
319-85-7	beta-BHC	ND	0.77	0.70	ug/kg	
319-86-8	delta-BHC	ND	0.77	0.74	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.77	0.57	ug/kg	
5103-71-9	alpha-Chlordane	1.8	0.77	0.62	ug/kg	
5103-74-2	gamma-Chlordane	6.7	0.77	0.35	ug/kg	
60-57-1	Dieldrin [b]	1.1	0.77	0.53	ug/kg	
72-54-8	4,4'-DDD [b]	9.0	0.77	0.71	ug/kg	
72-55-9	4,4'-DDE	4.2	0.77	0.68	ug/kg	
50-29-3	4,4'-DDT	8.0	0.77	0.68	ug/kg	B
72-20-8	Endrin	ND	0.77	0.60	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.77	0.60	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.77	0.44	ug/kg	
959-98-8	Endosulfan-I	ND	0.77	0.44	ug/kg	
33213-65-9	Endosulfan-II	ND	0.77	0.48	ug/kg	
76-44-8	Heptachlor	ND	0.77	0.67	ug/kg	
1024-57-3	Heptachlor epoxide	1.7	0.77	0.54	ug/kg	
72-43-5	Methoxychlor	ND	1.5	0.61	ug/kg	
53494-70-5	Endrin ketone	ND	0.77	0.56	ug/kg	
8001-35-2	Toxaphene	ND	19	18	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	58%		14-145%
877-09-8	Tetrachloro-m-xylene	67%		14-145%
2051-24-3	Decachlorobiphenyl	71%		10-197%
2051-24-3	Decachlorobiphenyl	286% [c]		10-197%

(a) Had TBA cleanup.
(b) More than 40 % RPD for detected concentrations between the two GC columns.
(c) Outside control limits due to matrix interference.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-8 (4-4.5')		
Lab Sample ID:	JD47845-9	**Date Sampled:**	07/05/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
Method:	SW846 8082A SW846 3546	**Percent Solids:**	81.0
Project:	4th 83rd Street, Pelham, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX2484458.D	1	07/11/22 18:01	CL	07/09/22 10:00	OP40703	GXX7853
Run #2							

	Initial Weight	Final Volume
Run #1	16.0 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	39	18	ug/kg	
11104-28-2	Aroclor 1221	ND	39	24	ug/kg	
11141-16-5	Aroclor 1232	ND	39	25	ug/kg	
53469-21-9	Aroclor 1242	ND	39	16	ug/kg	
12672-29-6	Aroclor 1248	ND	39	34	ug/kg	
11097-69-1	Aroclor 1254	ND	39	21	ug/kg	
11096-82-5	Aroclor 1260	ND	39	16	ug/kg	
11100-14-4	Aroclor 1268	ND	39	16	ug/kg	
37324-23-5	Aroclor 1262	ND	39	25	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	60%		10-163%
877-09-8	Tetrachloro-m-xylene	70%		10-163%
2051-24-3	Decachlorobiphenyl	69%		10-215%
2051-24-3	Decachlorobiphenyl	80%		10-215%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB-8 (4-4.5')
Lab Sample ID: JD47845-9
Matrix: SO - Soil
Project: 4th 83rd Street, Pelham, NY

Date Sampled: 07/05/22
Date Received: 07/06/22
Percent Solids: 81.0

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	12800	60	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [4]
Antimony	< 2.4	2.4	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [4]
Arsenic	5.8	2.4	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [4]
Barium	120	24	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [4]
Beryllium	0.60	0.24	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [4]
Cadmium	1.2	0.60	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [4]
Calcium	8520	600	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [4]
Chromium	42.7	1.2	mg/kg	1	07/08/22	07/11/22	ND	SW846 6010D [3]	SW846 3050B [4]
Cobalt	11.0	6.0	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [4]
Copper	39.6	3.0	mg/kg	1	07/08/22	07/11/22	ND	SW846 6010D [3]	SW846 3050B [4]
Iron	17800	60	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [4]
Lead	202	2.4	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [4]
Magnesium	4800	600	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [4]
Manganese	230	1.8	mg/kg	1	07/08/22	07/11/22	ND	SW846 6010D [3]	SW846 3050B [4]
Mercury	0.12	0.036	mg/kg	1	07/08/22	07/11/22	LM	SW846 7471B [1]	SW846 7471B [5]
Nickel	63.4	4.8	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [4]
Potassium	2230	1200	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [4]
Selenium	< 2.4	2.4	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [4]
Silver	< 0.60	0.60	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [4]
Sodium	< 1200	1200	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [4]
Thallium	< 1.2	1.2	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [4]
Vanadium	32.7	6.0	mg/kg	1	07/08/22	07/11/22	ND	SW846 6010D [3]	SW846 3050B [4]
Zinc	179	6.0	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA52698
(2) Instrument QC Batch: MA52704
(3) Instrument QC Batch: MA52711
(4) Prep QC Batch: MP33956
(5) Prep QC Batch: MP33996

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB-8 (4-4.5')		
Lab Sample ID:	JD47845-9	**Date Sampled:**	07/05/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
		Percent Solids:	81.0
Project:	4th 83rd Street, Pelham, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.34	0.34	mg/kg	1	07/11/22 13:26	BR	SW846 9012B/LACHAT
Solids, Percent	81		%	1	07/07/22 15:56	BG	SM2540 G 18TH ED MOD

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB-8 (4-4.5')		
Lab Sample ID:	JD47845-9A	**Date Sampled:**	07/05/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	81.0
Project:	4th 83rd Street, Pelham, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	5Q2384.D	1	07/28/22 20:30	AFL	07/18/22 06:30	F:OP92125	F:S5Q39
Run #2							

	Initial Weight	Final Volume
Run #1	2.04 g	1.0 ml
Run #2		

PFAS List

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYLCARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	ND	1.2	0.46	ug/kg	
2706-90-3	Perfluoropentanoic acid	ND	0.61	0.30	ug/kg	
307-24-4	Perfluorohexanoic acid	ND	0.61	0.30	ug/kg	
375-85-9	Perfluoroheptanoic acid	ND	0.61	0.30	ug/kg	
335-67-1	Perfluorooctanoic acid	ND	0.61	0.30	ug/kg	
375-95-1	Perfluorononanoic acid	ND	0.61	0.30	ug/kg	
335-76-2	Perfluorodecanoic acid	ND	0.61	0.30	ug/kg	
2058-94-8	Perfluoroundecanoic acid	ND	0.61	0.30	ug/kg	
307-55-1	Perfluorododecanoic acid	ND	0.61	0.30	ug/kg	
72629-94-8	Perfluorotridecanoic acid	ND	0.61	0.32	ug/kg	
376-06-7	Perfluorotetradecanoic acid	ND	0.61	0.30	ug/kg	
PERFLUOROALKYLSULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.61	0.30	ug/kg	
355-46-4	Perfluorohexanesulfonic acid	ND	0.61	0.30	ug/kg	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.61	0.30	ug/kg	
1763-23-1	Perfluorooctanesulfonic acid	ND	0.61	0.24	ug/kg	
335-77-3	Perfluorodecanesulfonic acid	ND	0.61	0.30	ug/kg	
PERFLUOROOCTANESULFONAMIDES						
754-91-6	PFOSA	ND	0.61	0.30	ug/kg	
PERFLUOROOCTANESULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	1.2	0.61	ug/kg	
2991-50-6	EtFOSAA	ND	1.2	0.61	ug/kg	
FLUOROTELOMER SULFONATES						
27619-97-2	6:2 Fluorotelomer sulfonate	ND	1.2	0.30	ug/kg	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	1.2	0.30	ug/kg	

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J = Indicates an estimated value
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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-8 (4-4.5')		
Lab Sample ID:	JD47845-9A	**Date Sampled:**	07/05/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	81.0
Project:	4th 83rd Street, Pelham, NY		

PFAS List

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	82%		40-140%
	13C5-PFPeA	85%		50-150%
	13C5-PFHxA	88%		50-150%
	13C4-PFHpA	91%		50-150%
	13C8-PFOA	93%		50-150%
	13C9-PFNA	95%		50-150%
	13C6-PFDA	99%		50-150%
	13C7-PFUnDA	91%		40-140%
	13C2-PFDoDA	89%		40-140%
	13C2-PFTeDA	96%		30-130%
	13C3-PFBS	104%		50-150%
	13C3-PFHxS	105%		50-150%
	13C8-PFOS	105%		50-150%
	13C8-FOSA	67%		30-130%
	d3-MeFOSAA	127%		40-140%
	d5-EtFOSAA	129%		40-140%
	13C2-6:2FTS	108%		50-150%
	13C2-8:2FTS	117%		50-150%

(a) Analysis performed at SGS Orlando, FL.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-8 (6.5-7')		
Lab Sample ID:	JD47845-10	**Date Sampled:**	07/05/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
Method:	SW846 8260D SW846 5035	**Percent Solids:**	82.8
Project:	4th 83rd Street, Pelham, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C177044.D	1	07/13/22 15:42	PS	07/07/22 12:42	n/a	V3C7770
Run #2							

	Initial Weight
Run #1	6.6 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	43.6	9.1	3.8	ug/kg	
71-43-2	Benzene	ND	0.46	0.42	ug/kg	
74-97-5	Bromochloromethane	ND	4.6	0.51	ug/kg	
75-27-4	Bromodichloromethane	ND	1.8	0.39	ug/kg	
75-25-2	Bromoform	ND	4.6	1.2	ug/kg	
74-83-9	Bromomethane [a]	ND	4.6	0.70	ug/kg	
78-93-3	2-Butanone (MEK)	10.6	9.1	2.2	ug/kg	
75-15-0	Carbon disulfide	1.5	1.8	0.49	ug/kg	J
56-23-5	Carbon tetrachloride	ND	1.8	0.57	ug/kg	
108-90-7	Chlorobenzene	ND	1.8	0.42	ug/kg	
75-00-3	Chloroethane [a]	ND	4.6	0.54	ug/kg	
67-66-3	Chloroform	ND	1.8	0.47	ug/kg	
74-87-3	Chloromethane	ND	4.6	1.8	ug/kg	
110-82-7	Cyclohexane	ND	1.8	0.60	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	1.8	0.63	ug/kg	
124-48-1	Dibromochloromethane	ND	1.8	0.51	ug/kg	
106-93-4	1,2-Dibromoethane	ND	0.91	0.39	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.91	0.50	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.91	0.45	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.91	0.45	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	4.6	0.67	ug/kg	
75-34-3	1,1-Dichloroethane	ND	0.91	0.45	ug/kg	
107-06-2	1,2-Dichloroethane	ND	0.91	0.43	ug/kg	
75-35-4	1,1-Dichloroethene	ND	0.91	0.60	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.91	0.77	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.91	0.56	ug/kg	
78-87-5	1,2-Dichloropropane	ND	1.8	0.43	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	1.8	0.43	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	1.8	0.42	ug/kg	
100-41-4	Ethylbenzene	ND	0.91	0.41	ug/kg	
76-13-1	Freon 113	ND	4.6	2.4	ug/kg	
591-78-6	2-Hexanone	ND	4.6	1.9	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-8 (6.5-7')		
Lab Sample ID:	JD47845-10	**Date Sampled:**	07/05/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
Method:	SW846 8260D SW846 5035	**Percent Solids:**	82.8
Project:	4th 83rd Street, Pelham, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.8	1.3	ug/kg	
79-20-9	Methyl Acetate	ND	4.6	1.3	ug/kg	
108-87-2	Methylcyclohexane	ND	1.8	0.80	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.91	0.43	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	4.6	2.1	ug/kg	
75-09-2	Methylene chloride	ND	4.6	2.4	ug/kg	
100-42-5	Styrene	ND	1.8	0.37	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.8	0.55	ug/kg	
127-18-4	Tetrachloroethene	ND	1.8	0.53	ug/kg	
108-88-3	Toluene	ND	0.91	0.48	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	4.6	2.3	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	4.6	2.3	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	1.8	0.44	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	1.8	0.51	ug/kg	
79-01-6	Trichloroethene	ND	0.91	0.70	ug/kg	
75-69-4	Trichlorofluoromethane	ND	4.6	0.63	ug/kg	
75-01-4	Vinyl chloride	ND	1.8	0.44	ug/kg	
	m,p-Xylene	ND	0.91	0.82	ug/kg	
95-47-6	o-Xylene	ND	0.91	0.42	ug/kg	
1330-20-7	Xylene (total)	ND	0.91	0.42	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		80-124%
17060-07-0	1,2-Dichloroethane-D4	114%		75-133%
2037-26-5	Toluene-D8	101%		79-125%
460-00-4	4-Bromofluorobenzene	96%		58-148%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

(a) Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-8 (6.5-7')		
Lab Sample ID:	JD47845-10	**Date Sampled:**	07/05/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
Method:	SW846 8270E SW846 3546	**Percent Solids:**	82.8
Project:	4th 83rd Street, Pelham, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6P504411.D	1	07/10/22 20:21	KLS	07/08/22 17:00	OP40691	E6P3640
Run #2 [b]	6P504436.D	1	07/11/22 19:34	NAP	07/08/22 17:00	OP40691	E6P3641

	Initial Weight	Final Volume
Run #1	31.1 g	1.0 ml
Run #2	31.1 g	1.0 ml

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	78	19	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	190	24	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	190	33	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	190	69	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	190	150	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	190	42	ug/kg	
95-48-7	2-Methylphenol	ND	78	25	ug/kg	
	3&4-Methylphenol	ND	78	32	ug/kg	
88-75-5	2-Nitrophenol	ND	190	26	ug/kg	
100-02-7	4-Nitrophenol	ND	390	100	ug/kg	
87-86-5	Pentachlorophenol	ND	160	36	ug/kg	
108-95-2	Phenol	ND	78	20	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	190	26	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	190	29	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	190	23	ug/kg	
83-32-9	Acenaphthene	28.3	39	13	ug/kg	J
208-96-8	Acenaphthylene	627	39	20	ug/kg	
98-86-2	Acetophenone	ND	190	8.3	ug/kg	
120-12-7	Anthracene	300	39	24	ug/kg	
1912-24-9	Atrazine	ND	78	17	ug/kg	
56-55-3	Benzo(a)anthracene [c]	879	39	11	ug/kg	
50-32-8	Benzo(a)pyrene	1180	39	18	ug/kg	
205-99-2	Benzo(b)fluoranthene	1070	39	17	ug/kg	
191-24-2	Benzo(g,h,i)perylene	741	39	19	ug/kg	
207-08-9	Benzo(k)fluoranthene	295	39	18	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	78	15	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	78	9.5	ug/kg	
92-52-4	1,1'-Biphenyl	7.0	78	5.3	ug/kg	J
100-52-7	Benzaldehyde	ND	190	9.6	ug/kg	
91-58-7	2-Chloronaphthalene	ND	78	9.2	ug/kg	
106-47-8	4-Chloroaniline	ND	190	14	ug/kg	
86-74-8	Carbazole	26.7	78	5.6	ug/kg	J

ND = Not detected MDL = Method Detection Limit
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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-8 (6.5-7')		
Lab Sample ID:	JD47845-10	**Date Sampled:**	07/05/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
Method:	SW846 8270E SW846 3546	**Percent Solids:**	82.8
Project:	4th 83rd Street, Pelham, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	78	15	ug/kg	
218-01-9	Chrysene [c]	1760	39	12	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	78	8.3	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	78	17	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	78	14	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	78	13	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	39	12	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	39	19	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	78	32	ug/kg	
123-91-1	1,4-Dioxane	ND	39	26	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	224	39	17	ug/kg	
132-64-9	Dibenzofuran	ND	78	16	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	78	6.3	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	78	9.7	ug/kg	
84-66-2	Diethyl phthalate	ND	78	8.3	ug/kg	
131-11-3	Dimethyl phthalate	ND	78	6.9	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate [d]	ND	78	9.1	ug/kg	
206-44-0	Fluoranthene	988	39	17	ug/kg	
86-73-7	Fluorene	ND	39	18	ug/kg	
118-74-1	Hexachlorobenzene	ND	78	9.8	ug/kg	
87-68-3	Hexachlorobutadiene	ND	39	16	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	390	15	ug/kg	
67-72-1	Hexachloroethane	ND	190	19	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	785	39	18	ug/kg	
78-59-1	Isophorone	ND	78	8.3	ug/kg	
91-57-6	2-Methylnaphthalene	22.3	39	8.8	ug/kg	J
88-74-4	2-Nitroaniline	ND	190	9.2	ug/kg	
99-09-2	3-Nitroaniline	ND	190	9.7	ug/kg	
100-01-6	4-Nitroaniline	ND	190	10	ug/kg	
91-20-3	Naphthalene	38.8	39	11	ug/kg	J
98-95-3	Nitrobenzene	ND	78	15	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	78	11	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	190	14	ug/kg	
85-01-8	Phenanthrene	342	39	13	ug/kg	
129-00-0	Pyrene [c]	2100	39	12	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	190	9.9	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	36%	37%	10-99%

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-8 (6.5-7')		
Lab Sample ID:	JD47845-10	**Date Sampled:**	07/05/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
Method:	SW846 8270E SW846 3546	**Percent Solids:**	82.8
Project:	4th 83rd Street, Pelham, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	34%	36%	10-96%
118-79-6	2,4,6-Tribromophenol	45%	45%	10-123%
4165-60-0	Nitrobenzene-d5	42%	42%	10-109%
321-60-8	2-Fluorobiphenyl	44%	43%	11-109%
1718-51-0	Terphenyl-d14	54%	52%	10-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	System artifact	1.62	250	ug/kg	J
	System artifact	2.87	540	ug/kg	J
	System artifact	3.06	330	ug/kg	J
	System artifact	3.76	300	ug/kg	J
	Phenanthrene methyl	8.51	260	ug/kg	J
	Phenanthrene methyl	8.55	340	ug/kg	J
	Unknown	8.64	700	ug/kg	J
	Anthracene methyl	8.67	400	ug/kg	J
	Unknown	9.26	670	ug/kg	J
	Unknown	9.30	450	ug/kg	J
	Unknown	9.38	400	ug/kg	J
	Unknown	9.59	280	ug/kg	J
	Unknown	9.69	350	ug/kg	J
	Pyrene methyl	10.12	270	ug/kg	J
	Pyrene methyl	10.25	420	ug/kg	J
	Pyrene methyl	10.27	340	ug/kg	J
	Pyrene methyl	10.42	380	ug/kg	J
	Pyrene methyl	10.55	440	ug/kg	J
	Unknown	11.03	430	ug/kg	J
	Benzo[b]naphtho[thiophene	11.19	250	ug/kg	J
	Unknown	11.24	260	ug/kg	J
82-05-3	7H-Benz[de]anthracen-7-one	11.81	250	ug/kg	JN
	Chrysene methyl	12.20	420	ug/kg	J
	Chrysene methyl	12.40	260	ug/kg	J
	Unknown PAH substance	13.28	390	ug/kg	J
	Unknown PAH substance	13.50	1200	ug/kg	J
	Unknown	14.01	250	ug/kg	J
	Unknown	14.22	650	ug/kg	J
	Alkane	14.46	250	ug/kg	J
	Total TIC, Semi-Volatile		10310	ug/kg	J

(a) Internal standard Chrysene-d12 outside control limits due to matrix interference. Confirmed by reanalysis.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-8 (6.5-7')		
Lab Sample ID:	JD47845-10	**Date Sampled:**	07/05/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
Method:	SW846 8270E SW846 3546	**Percent Solids:**	82.8
Project:	4th 83rd Street, Pelham, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q

(b) Confirmation run for internal standard areas.
(c) Estimated value, due to corresponding internal standard failing low.
(d) Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-8 (6.5-7')		
Lab Sample ID:	JD47845-10	**Date Sampled:**	07/05/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
Method:	SW846 8081B SW846 3546	**Percent Solids:**	82.8
Project:	4th 83rd Street, Pelham, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	1G177959.D	1	07/12/22 06:15	CP	07/09/22 10:00	OP40701	G1G6175
Run #2							

	Initial Weight	Final Volume
Run #1	15.3 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.79	0.65	ug/kg	
319-84-6	alpha-BHC	ND	0.79	0.64	ug/kg	
319-85-7	beta-BHC	ND	0.79	0.71	ug/kg	
319-86-8	delta-BHC	ND	0.79	0.76	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.79	0.58	ug/kg	
5103-71-9	alpha-Chlordane [b]	1.1	0.79	0.64	ug/kg	
5103-74-2	gamma-Chlordane	ND	0.79	0.36	ug/kg	
60-57-1	Dieldrin [b]	1.3	0.79	0.54	ug/kg	
72-54-8	4,4'-DDD	1.7	0.79	0.72	ug/kg	
72-55-9	4,4'-DDE	2.2	0.79	0.69	ug/kg	
50-29-3	4,4'-DDT [b]	6.8	0.79	0.70	ug/kg	B
72-20-8	Endrin	ND	0.79	0.61	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.79	0.62	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.79	0.45	ug/kg	
959-98-8	Endosulfan-I	ND	0.79	0.45	ug/kg	
33213-65-9	Endosulfan-II	ND	0.79	0.49	ug/kg	
76-44-8	Heptachlor	ND	0.79	0.68	ug/kg	
1024-57-3	Heptachlor epoxide [b]	0.64	0.79	0.55	ug/kg	J
72-43-5	Methoxychlor	ND	1.6	0.63	ug/kg	
53494-70-5	Endrin ketone	ND	0.79	0.57	ug/kg	
8001-35-2	Toxaphene	ND	20	18	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	56%		14-145%
877-09-8	Tetrachloro-m-xylene	63%		14-145%
2051-24-3	Decachlorobiphenyl	49%		10-197%
2051-24-3	Decachlorobiphenyl	142%		10-197%

(a) Had TBA cleanup.
(b) More than 40 % RPD for detected concentrations between the two GC columns.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-8 (6.5-7')		
Lab Sample ID:	JD47845-10	**Date Sampled:**	07/05/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
Method:	SW846 8082A SW846 3546	**Percent Solids:**	82.8
Project:	4th 83rd Street, Pelham, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX2484459.D	1	07/11/22 18:18	CL	07/09/22 10:00	OP40703	GXX7853
Run #2							

	Initial Weight	Final Volume
Run #1	15.3 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	39	18	ug/kg	
11104-28-2	Aroclor 1221	ND	39	24	ug/kg	
11141-16-5	Aroclor 1232	ND	39	25	ug/kg	
53469-21-9	Aroclor 1242	ND	39	16	ug/kg	
12672-29-6	Aroclor 1248	ND	39	35	ug/kg	
11097-69-1	Aroclor 1254	ND	39	21	ug/kg	
11096-82-5	Aroclor 1260	ND	39	17	ug/kg	
11100-14-4	Aroclor 1268	ND	39	17	ug/kg	
37324-23-5	Aroclor 1262	ND	39	26	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	42%		10-163%
877-09-8	Tetrachloro-m-xylene	54%		10-163%
2051-24-3	Decachlorobiphenyl	56%		10-215%
2051-24-3	Decachlorobiphenyl	56%		10-215%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB-8 (6.5-7')
Lab Sample ID: JD47845-10
Matrix: SO - Soil
Project: 4th 83rd Street, Pelham, NY

Date Sampled: 07/05/22
Date Received: 07/06/22
Percent Solids: 82.8

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	17000	62	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Antimony	< 2.5	2.5	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Arsenic	7.1	2.5	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Barium	144	25	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Beryllium	0.77	0.25	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Cadmium	1.2	0.62	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Calcium	4040	620	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Chromium	53.6	1.2	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Cobalt	11.3	6.2	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Copper	42.6	3.1	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Iron	21400	62	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Lead	187	2.5	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Magnesium	6490	620	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Manganese	410	1.9	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Mercury	0.17	0.033	mg/kg	1	07/08/22	07/11/22	LM	SW846 7471B [1]	SW846 7471B [4]
Nickel	57.1	5.0	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Potassium	2630	1200	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Selenium	< 2.5	2.5	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Silver	0.65	0.62	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Sodium	1220	1200	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Thallium	< 1.2	1.2	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Vanadium	36.4	6.2	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Zinc	197	6.2	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA52698
(2) Instrument QC Batch: MA52704
(3) Prep QC Batch: MP33956
(4) Prep QC Batch: MP33996

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB-8 (6.5-7')		
Lab Sample ID:	JD47845-10	**Date Sampled:**	07/05/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
		Percent Solids:	82.8
Project:	4th 83rd Street, Pelham, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.27	0.27	mg/kg	1	07/11/22 13:28	BR	SW846 9012B/LACHAT
Solids, Percent	82.8		%	1	07/07/22 15:56	BG	SM2540 G 18TH ED MOD

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB-8 (6.5-7')		
Lab Sample ID:	JD47845-10A	**Date Sampled:**	07/05/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	82.8
Project:	4th 83rd Street, Pelham, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	5Q2385.D	1	07/28/22 20:46	AFL	07/18/22 06:30	F:OP92125	F:S5Q39
Run #2							

	Initial Weight	Final Volume
Run #1	1.98 g	1.0 ml
Run #2		

PFAS List

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYLCARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	ND	1.2	0.46	ug/kg	
2706-90-3	Perfluoropentanoic acid	ND	0.61	0.30	ug/kg	
307-24-4	Perfluorohexanoic acid	ND	0.61	0.30	ug/kg	
375-85-9	Perfluoroheptanoic acid	ND	0.61	0.30	ug/kg	
335-67-1	Perfluorooctanoic acid	ND	0.61	0.30	ug/kg	
375-95-1	Perfluorononanoic acid	ND	0.61	0.30	ug/kg	
335-76-2	Perfluorodecanoic acid	ND	0.61	0.30	ug/kg	
2058-94-8	Perfluoroundecanoic acid	ND	0.61	0.30	ug/kg	
307-55-1	Perfluorododecanoic acid	ND	0.61	0.30	ug/kg	
72629-94-8	Perfluorotridecanoic acid	ND	0.61	0.32	ug/kg	
376-06-7	Perfluorotetradecanoic acid	ND	0.61	0.30	ug/kg	
PERFLUOROALKYLSULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.61	0.30	ug/kg	
355-46-4	Perfluorohexanesulfonic acid	ND	0.61	0.30	ug/kg	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.61	0.30	ug/kg	
1763-23-1	Perfluorooctanesulfonic acid	ND	0.61	0.24	ug/kg	
335-77-3	Perfluorodecanesulfonic acid	ND	0.61	0.30	ug/kg	
PERFLUOROOCTANESULFONAMIDES						
754-91-6	PFOSA	ND	0.61	0.30	ug/kg	
PERFLUOROOCTANESULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	1.2	0.61	ug/kg	
2991-50-6	EtFOSAA	ND	1.2	0.61	ug/kg	
FLUOROTELOMER SULFONATES						
27619-97-2	6:2 Fluorotelomer sulfonate	ND	1.2	0.30	ug/kg	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	1.2	0.30	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-8 (6.5-7')		
Lab Sample ID:	JD47845-10A	**Date Sampled:**	07/05/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	82.8
Project:	4th 83rd Street, Pelham, NY		

PFAS List

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	73%		40-140%
	13C5-PFPeA	73%		50-150%
	13C5-PFHxA	76%		50-150%
	13C4-PFHpA	77%		50-150%
	13C8-PFOA	77%		50-150%
	13C9-PFNA	76%		50-150%
	13C6-PFDA	77%		50-150%
	13C7-PFUnDA	69%		40-140%
	13C2-PFDoDA	69%		40-140%
	13C2-PFTeDA	87%		30-130%
	13C3-PFBS	98%		50-150%
	13C3-PFHxS	101%		50-150%
	13C8-PFOS	99%		50-150%
	13C8-FOSA	58%		30-130%
	d3-MeFOSAA	98%		40-140%
	d5-EtFOSAA	99%		40-140%
	13C2-6:2FTS	103%		50-150%
	13C2-8:2FTS	105%		50-150%

(a) Analysis performed at SGS Orlando, FL.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-9 (4-4.5')		
Lab Sample ID:	JD47845-11	**Date Sampled:**	07/05/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
Method:	SW846 8260D SW846 5035	**Percent Solids:**	83.4
Project:	4th 83rd Street, Pelham, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C177045.D	1	07/13/22 16:08	PS	07/07/22 12:42	n/a	V3C7770
Run #2							

	Initial Weight
Run #1	4.9 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	12	5.1	ug/kg	
71-43-2	Benzene	ND	0.61	0.56	ug/kg	
74-97-5	Bromochloromethane	ND	6.1	0.69	ug/kg	
75-27-4	Bromodichloromethane	ND	2.4	0.52	ug/kg	
75-25-2	Bromoform	ND	6.1	1.7	ug/kg	
74-83-9	Bromomethane [a]	ND	6.1	0.93	ug/kg	
78-93-3	2-Butanone (MEK)	ND	12	3.0	ug/kg	
75-15-0	Carbon disulfide	ND	2.4	0.65	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.4	0.76	ug/kg	
108-90-7	Chlorobenzene	ND	2.4	0.56	ug/kg	
75-00-3	Chloroethane [a]	ND	6.1	0.72	ug/kg	
67-66-3	Chloroform	ND	2.4	0.64	ug/kg	
74-87-3	Chloromethane	ND	6.1	2.4	ug/kg	
110-82-7	Cyclohexane	ND	2.4	0.80	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.4	0.85	ug/kg	
124-48-1	Dibromochloromethane	ND	2.4	0.69	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.2	0.52	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	1.2	0.67	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	1.2	0.61	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	1.2	0.60	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	6.1	0.89	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.2	0.61	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.2	0.58	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.2	0.80	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.2	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.2	0.75	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.4	0.58	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.4	0.58	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.4	0.56	ug/kg	
100-41-4	Ethylbenzene	ND	1.2	0.55	ug/kg	
76-13-1	Freon 113	ND	6.1	3.3	ug/kg	
591-78-6	2-Hexanone	ND	6.1	2.6	ug/kg	

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J = Indicates an estimated value
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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-9 (4-4.5')		
Lab Sample ID:	JD47845-11	**Date Sampled:**	07/05/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
Method:	SW846 8260D SW846 5035	**Percent Solids:**	83.4
Project:	4th 83rd Street, Pelham, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	2.4	1.7	ug/kg	
79-20-9	Methyl Acetate	ND	6.1	1.7	ug/kg	
108-87-2	Methylcyclohexane	ND	2.4	1.1	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.2	0.57	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	6.1	2.8	ug/kg	
75-09-2	Methylene chloride	ND	6.1	3.2	ug/kg	
100-42-5	Styrene	ND	2.4	0.49	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.4	0.73	ug/kg	
127-18-4	Tetrachloroethene	ND	2.4	0.71	ug/kg	
108-88-3	Toluene	ND	1.2	0.64	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	6.1	3.1	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.1	3.1	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.4	0.59	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.4	0.68	ug/kg	
79-01-6	Trichloroethene	ND	1.2	0.93	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.1	0.84	ug/kg	
75-01-4	Vinyl chloride	ND	2.4	0.59	ug/kg	
	m,p-Xylene	ND	1.2	1.1	ug/kg	
95-47-6	o-Xylene	ND	1.2	0.56	ug/kg	
1330-20-7	Xylene (total)	ND	1.2	0.56	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		80-124%
17060-07-0	1,2-Dichloroethane-D4	112%		75-133%
2037-26-5	Toluene-D8	101%		79-125%
460-00-4	4-Bromofluorobenzene	99%		58-148%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

(a) Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-9 (4-4.5')		
Lab Sample ID:	JD47845-11	**Date Sampled:**	07/05/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
Method:	SW846 8270E SW846 3546	**Percent Solids:**	83.4
Project:	4th 83rd Street, Pelham, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6P504429.D	1	07/11/22 16:09	NAP	07/08/22 17:00	OP40691	E6P3641
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	80	20	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	200	24	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	200	34	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	200	71	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	200	150	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	200	43	ug/kg	
95-48-7	2-Methylphenol	ND	80	25	ug/kg	
	3&4-Methylphenol	ND	80	33	ug/kg	
88-75-5	2-Nitrophenol	ND	200	26	ug/kg	
100-02-7	4-Nitrophenol	ND	400	110	ug/kg	
87-86-5	Pentachlorophenol [a]	ND	160	37	ug/kg	
108-95-2	Phenol	ND	80	21	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	200	26	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	200	30	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	200	24	ug/kg	
83-32-9	Acenaphthene	28.7	40	14	ug/kg	J
208-96-8	Acenaphthylene	242	40	20	ug/kg	
98-86-2	Acetophenone	ND	200	8.6	ug/kg	
120-12-7	Anthracene	299	40	24	ug/kg	
1912-24-9	Atrazine	ND	80	17	ug/kg	
56-55-3	Benzo(a)anthracene	868	40	11	ug/kg	
50-32-8	Benzo(a)pyrene	952	40	18	ug/kg	
205-99-2	Benzo(b)fluoranthene [b]	848	40	18	ug/kg	
191-24-2	Benzo(g,h,i)perylene	575	40	20	ug/kg	
207-08-9	Benzo(k)fluoranthene	234	40	19	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	80	15	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	80	9.7	ug/kg	
92-52-4	1,1'-Biphenyl	ND	80	5.5	ug/kg	
100-52-7	Benzaldehyde	ND	200	9.9	ug/kg	
91-58-7	2-Chloronaphthalene	ND	80	9.5	ug/kg	
106-47-8	4-Chloroaniline	ND	200	14	ug/kg	
86-74-8	Carbazole	23.9	80	5.8	ug/kg	J

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-9 (4-4.5')		
Lab Sample ID:	JD47845-11	**Date Sampled:**	07/05/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
Method:	SW846 8270E SW846 3546	**Percent Solids:**	83.4
Project:	4th 83rd Street, Pelham, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	80	16	ug/kg	
218-01-9	Chrysene	988	40	13	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	80	8.5	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	80	17	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	80	14	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	80	13	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	40	12	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	40	20	ug/kg	
91-94-1	3,3'-Dichlorobenzidine [c]	ND	80	33	ug/kg	
123-91-1	1,4-Dioxane [a]	ND	40	26	ug/kg	
53-70-3	Dibenzo(a,h)anthracene [b]	141	40	18	ug/kg	
132-64-9	Dibenzofuran	ND	80	16	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	80	6.5	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	80	9.9	ug/kg	
84-66-2	Diethyl phthalate	ND	80	8.5	ug/kg	
131-11-3	Dimethyl phthalate	ND	80	7.1	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	16.1	80	9.3	ug/kg	J
206-44-0	Fluoranthene	1550	40	18	ug/kg	
86-73-7	Fluorene	68.1	40	18	ug/kg	
118-74-1	Hexachlorobenzene	ND	80	10	ug/kg	
87-68-3	Hexachlorobutadiene	ND	40	16	ug/kg	
77-47-4	Hexachlorocyclopentadiene [a]	ND	400	16	ug/kg	
67-72-1	Hexachloroethane	ND	200	20	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene [b]	703	40	19	ug/kg	
78-59-1	Isophorone	ND	80	8.5	ug/kg	
91-57-6	2-Methylnaphthalene	10.7	40	9.0	ug/kg	J
88-74-4	2-Nitroaniline	ND	200	9.4	ug/kg	
99-09-2	3-Nitroaniline	ND	200	10	ug/kg	
100-01-6	4-Nitroaniline	ND	200	10	ug/kg	
91-20-3	Naphthalene	16.5	40	11	ug/kg	J
98-95-3	Nitrobenzene	ND	80	15	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	80	12	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	200	15	ug/kg	
85-01-8	Phenanthrene	701	40	13	ug/kg	
129-00-0	Pyrene	1870	40	13	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	200	10	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	31%		10-99%

ND = Not detected MDL = Method Detection Limit
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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-9 (4-4.5')		
Lab Sample ID:	JD47845-11	**Date Sampled:**	07/05/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
Method:	SW846 8270E SW846 3546	**Percent Solids:**	83.4
Project:	4th 83rd Street, Pelham, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	28%		10-96%
118-79-6	2,4,6-Tribromophenol	33%		10-123%
4165-60-0	Nitrobenzene-d5	33%		10-109%
321-60-8	2-Fluorobiphenyl	32%		11-109%
1718-51-0	Terphenyl-d14	39%		10-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	2.85	460	ug/kg	J
	system artifact	3.05	280	ug/kg	J
	unknown	3.75	540	ug/kg	J
	unknown	4.04	170	ug/kg	J
	Phenanthrene methyl	8.54	210	ug/kg	J
	unknown	8.64	270	ug/kg	J
	Phenanthrene methyl	8.67	190	ug/kg	J
	unknown	8.90	200	ug/kg	J
	Phenanthrene dimethyl	9.25	180	ug/kg	J
	Pyrene methyl	10.41	180	ug/kg	J
	alkane	10.57	3300	ug/kg	J
	unknown	10.91	170	ug/kg	J
	alkane	11.11	4100	ug/kg	J
	alkane	11.95	170	ug/kg	J
	alkane	12.14	3100	ug/kg	J
	alkane	12.63	3600	ug/kg	J
	alkane	12.93	300	ug/kg	J
	unknown PAH substance	13.27	280	ug/kg	J
	unknown PAH substance	13.50	490	ug/kg	J
	alkane	14.02	1200	ug/kg	J
	unknown	14.21	230	ug/kg	J
	alkane	14.46	950	ug/kg	J
	unknown	14.74	330	ug/kg	J
	alkane	14.87	920	ug/kg	J
	unknown	16.21	190	ug/kg	J
	-Dibenzopyrene	16.65	240	ug/kg	J
	Total TIC, Semi-Volatile		21510	ug/kg	J

(a) Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.
(b) Associated CCV outside of control limits high. Estimated value, due to corresponding failure in the batch associated CCV.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-9 (4-4.5')		
Lab Sample ID:	JD47845-11	**Date Sampled:**	07/05/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
Method:	SW846 8270E SW846 3546	**Percent Solids:**	83.4
Project:	4th 83rd Street, Pelham, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q

(c) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-9 (4-4.5')		
Lab Sample ID:	JD47845-11	**Date Sampled:**	07/05/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
Method:	SW846 8081B SW846 3546	**Percent Solids:**	83.4
Project:	4th 83rd Street, Pelham, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	1G177966.D	1	07/12/22 23:32	CP	07/09/22 10:00	OP40701	G1G6176
Run #2							

	Initial Weight	Final Volume
Run #1	15.7 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.76	0.63	ug/kg	
319-84-6	alpha-BHC	ND	0.76	0.62	ug/kg	
319-85-7	beta-BHC	ND	0.76	0.69	ug/kg	
319-86-8	delta-BHC	ND	0.76	0.73	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.76	0.56	ug/kg	
5103-71-9	alpha-Chlordane	ND	0.76	0.62	ug/kg	
5103-74-2	gamma-Chlordane [b]	2.7	0.76	0.35	ug/kg	
60-57-1	Dieldrin	ND	0.76	0.52	ug/kg	
72-54-8	4,4'-DDD	51.2	0.76	0.70	ug/kg	
72-55-9	4,4'-DDE	16.0	0.76	0.67	ug/kg	
50-29-3	4,4'-DDT	24.5	0.76	0.68	ug/kg	B
72-20-8	Endrin	ND	0.76	0.59	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.76	0.60	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.76	0.43	ug/kg	
959-98-8	Endosulfan-I	ND	0.76	0.44	ug/kg	
33213-65-9	Endosulfan-II	ND	0.76	0.48	ug/kg	
76-44-8	Heptachlor	ND	0.76	0.66	ug/kg	
1024-57-3	Heptachlor epoxide [b]	1.7	0.76	0.54	ug/kg	
72-43-5	Methoxychlor	ND	1.5	0.61	ug/kg	
53494-70-5	Endrin ketone	ND	0.76	0.55	ug/kg	
8001-35-2	Toxaphene	ND	19	18	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	49%		14-145%
877-09-8	Tetrachloro-m-xylene	53%		14-145%
2051-24-3	Decachlorobiphenyl	67%		10-197%
2051-24-3	Decachlorobiphenyl	166%		10-197%

(a) Had TBA cleanup.
(b) More than 40 % RPD for detected concentrations between the two GC columns.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-9 (4-4.5')		
Lab Sample ID:	JD47845-11	**Date Sampled:**	07/05/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
Method:	SW846 8082A SW846 3546	**Percent Solids:**	83.4
Project:	4th 83rd Street, Pelham, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX2484460.D	1	07/11/22 18:35	CL	07/09/22 10:00	OP40703	GXX7853
Run #2							

	Initial Weight	Final Volume
Run #1	15.7 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	38	18	ug/kg	
11104-28-2	Aroclor 1221	ND	38	24	ug/kg	
11141-16-5	Aroclor 1232	ND	38	24	ug/kg	
53469-21-9	Aroclor 1242	ND	38	16	ug/kg	
12672-29-6	Aroclor 1248	ND	38	34	ug/kg	
11097-69-1	Aroclor 1254	ND	38	21	ug/kg	
11096-82-5	Aroclor 1260	ND	38	16	ug/kg	
11100-14-4	Aroclor 1268	ND	38	16	ug/kg	
37324-23-5	Aroclor 1262	ND	38	25	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	37%		10-163%
877-09-8	Tetrachloro-m-xylene	49%		10-163%
2051-24-3	Decachlorobiphenyl	50%		10-215%
2051-24-3	Decachlorobiphenyl	61%		10-215%

ND = Not detected MDL = Method Detection Limit
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B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-9 (4-4.5')		
Lab Sample ID:	JD47845-11	**Date Sampled:**	07/05/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
		Percent Solids:	83.4
Project:	4th 83rd Street, Pelham, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	10900	62	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [4]
Antimony	< 2.5	2.5	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [4]
Arsenic [a]	7.8	4.9	mg/kg	2	07/08/22	07/11/22	ND	SW846 6010D [3]	SW846 3050B [4]
Barium	144	25	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [4]
Beryllium	0.67	0.25	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [4]
Cadmium	1.2	0.62	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [4]
Calcium	25600	1200	mg/kg	2	07/08/22	07/11/22	ND	SW846 6010D [3]	SW846 3050B [4]
Chromium	24.6	1.2	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [4]
Cobalt	16.8	6.2	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [4]
Copper [a]	229	6.2	mg/kg	2	07/08/22	07/11/22	ND	SW846 6010D [3]	SW846 3050B [4]
Iron	32300	120	mg/kg	2	07/08/22	07/11/22	ND	SW846 6010D [3]	SW846 3050B [4]
Lead	219	2.5	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [4]
Magnesium	14600	620	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [4]
Manganese [a]	305	3.7	mg/kg	2	07/08/22	07/11/22	ND	SW846 6010D [3]	SW846 3050B [4]
Mercury	0.12	0.038	mg/kg	1	07/08/22	07/11/22	LM	SW846 7471B [1]	SW846 7471B [5]
Nickel	28.5	4.9	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [4]
Potassium	2680	1200	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [4]
Selenium [a]	< 4.9	4.9	mg/kg	2	07/08/22	07/11/22	ND	SW846 6010D [3]	SW846 3050B [4]
Silver [a]	< 1.2	1.2	mg/kg	2	07/08/22	07/11/22	ND	SW846 6010D [3]	SW846 3050B [4]
Sodium	< 1200	1200	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [4]
Thallium [a]	< 2.5	2.5	mg/kg	2	07/08/22	07/11/22	ND	SW846 6010D [3]	SW846 3050B [4]
Vanadium	31.5	6.2	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [4]
Zinc	187	6.2	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA52698
(2) Instrument QC Batch: MA52704
(3) Instrument QC Batch: MA52711
(4) Prep QC Batch: MP33956
(5) Prep QC Batch: MP33996

(a) Elevated detection limit due to dilution required for high interfering element.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB-9 (4-4.5')		
Lab Sample ID:	JD47845-11	**Date Sampled:**	07/05/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
		Percent Solids:	83.4
Project:	4th 83rd Street, Pelham, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.34	0.34	mg/kg	1	07/11/22 13:29	BR	SW846 9012B/LACHAT
Solids, Percent	83.4		%	1	07/07/22 15:56	BG	SM2540 G 18TH ED MOD

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB-9 (4-4.5')		
Lab Sample ID:	JD47845-11A	**Date Sampled:**	07/05/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	83.4
Project:	4th 83rd Street, Pelham, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	5Q2386.D	1	07/28/22 21:01	AFL	07/18/22 06:30	F:OP92125	F:S5Q39
Run #2							

	Initial Weight	Final Volume
Run #1	1.98 g	1.0 ml
Run #2		

PFAS List

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYLCARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	ND	1.2	0.46	ug/kg	
2706-90-3	Perfluoropentanoic acid	0.76	0.61	0.30	ug/kg	
307-24-4	Perfluorohexanoic acid	ND	0.61	0.30	ug/kg	
375-85-9	Perfluoroheptanoic acid	ND	0.61	0.30	ug/kg	
335-67-1	Perfluorooctanoic acid	ND	0.61	0.30	ug/kg	
375-95-1	Perfluorononanoic acid	ND	0.61	0.30	ug/kg	
335-76-2	Perfluorodecanoic acid	ND	0.61	0.30	ug/kg	
2058-94-8	Perfluoroundecanoic acid	ND	0.61	0.30	ug/kg	
307-55-1	Perfluorododecanoic acid	ND	0.61	0.30	ug/kg	
72629-94-8	Perfluorotridecanoic acid	ND	0.61	0.32	ug/kg	
376-06-7	Perfluorotetradecanoic acid	ND	0.61	0.30	ug/kg	
PERFLUOROALKYLSULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.61	0.30	ug/kg	
355-46-4	Perfluorohexanesulfonic acid	ND	0.61	0.30	ug/kg	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.61	0.30	ug/kg	
1763-23-1	Perfluorooctanesulfonic acid	0.62	0.61	0.24	ug/kg	
335-77-3	Perfluorodecanesulfonic acid	ND	0.61	0.30	ug/kg	
PERFLUOROOCTANESULFONAMIDES						
754-91-6	PFOSA	ND	0.61	0.30	ug/kg	
PERFLUOROOCTANESULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	1.2	0.61	ug/kg	
2991-50-6	EtFOSAA	ND	1.2	0.61	ug/kg	
FLUOROTELOMER SULFONATES						
27619-97-2	6:2 Fluorotelomer sulfonate	ND	1.2	0.30	ug/kg	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	1.2	0.30	ug/kg	

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-9 (4-4.5')		
Lab Sample ID:	JD47845-11A	**Date Sampled:**	07/05/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	83.4
Project:	4th 83rd Street, Pelham, NY		

PFAS List

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	76%		40-140%
	13C5-PFPeA	78%		50-150%
	13C5-PFHxA	82%		50-150%
	13C4-PFHpA	85%		50-150%
	13C8-PFOA	87%		50-150%
	13C9-PFNA	88%		50-150%
	13C6-PFDA	90%		50-150%
	13C7-PFUnDA	85%		40-140%
	13C2-PFDoDA	84%		40-140%
	13C2-PFTeDA	96%		30-130%
	13C3-PFBS	111%		50-150%
	13C3-PFHxS	113%		50-150%
	13C8-PFOS	115%		50-150%
	13C8-FOSA	75%		30-130%
	d3-MeFOSAA	129%		40-140%
	d5-EtFOSAA	131%		40-140%
	13C2-6:2FTS	118%		50-150%
	13C2-8:2FTS	125%		50-150%

(a) Analysis performed at SGS Orlando, FL.

ND = Not detected MDL = Method Detection Limit
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E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-9 (6.5-7')		
Lab Sample ID:	JD47845-12	**Date Sampled:**	07/05/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
Method:	SW846 8260D SW846 5035	**Percent Solids:**	47.4
Project:	4th 83rd Street, Pelham, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C177046.D	1	07/13/22 16:34	PS	07/07/22 12:42	n/a	V3C7770
Run #2							

	Initial Weight
Run #1	4.4 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	13.8	24	9.9	ug/kg	J
71-43-2	Benzene	ND	1.2	1.1	ug/kg	
74-97-5	Bromochloromethane	ND	12	1.3	ug/kg	
75-27-4	Bromodichloromethane	ND	4.8	1.0	ug/kg	
75-25-2	Bromoform	ND	12	3.3	ug/kg	
74-83-9	Bromomethane [a]	ND	12	1.8	ug/kg	
78-93-3	2-Butanone (MEK)	ND	24	5.8	ug/kg	
75-15-0	Carbon disulfide	ND	4.8	1.3	ug/kg	
56-23-5	Carbon tetrachloride	ND	4.8	1.5	ug/kg	
108-90-7	Chlorobenzene	ND	4.8	1.1	ug/kg	
75-00-3	Chloroethane [a]	ND	12	1.4	ug/kg	
67-66-3	Chloroform	ND	4.8	1.2	ug/kg	
74-87-3	Chloromethane	ND	12	4.7	ug/kg	
110-82-7	Cyclohexane	ND	4.8	1.6	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	4.8	1.7	ug/kg	
124-48-1	Dibromochloromethane	ND	4.8	1.3	ug/kg	
106-93-4	1,2-Dibromoethane	ND	2.4	1.0	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	2.4	1.3	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	2.4	1.2	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	2.4	1.2	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	12	1.7	ug/kg	
75-34-3	1,1-Dichloroethane	ND	2.4	1.2	ug/kg	
107-06-2	1,2-Dichloroethane	ND	2.4	1.1	ug/kg	
75-35-4	1,1-Dichloroethene	ND	2.4	1.6	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	2.4	2.0	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	2.4	1.5	ug/kg	
78-87-5	1,2-Dichloropropane	ND	4.8	1.1	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	4.8	1.1	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	4.8	1.1	ug/kg	
100-41-4	Ethylbenzene	ND	2.4	1.1	ug/kg	
76-13-1	Freon 113	ND	12	6.4	ug/kg	
591-78-6	2-Hexanone	ND	12	5.1	ug/kg	

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RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-9 (6.5-7')		
Lab Sample ID:	JD47845-12	**Date Sampled:**	07/05/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
Method:	SW846 8260D SW846 5035	**Percent Solids:**	47.4
Project:	4th 83rd Street, Pelham, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	4.8	3.4	ug/kg	
79-20-9	Methyl Acetate	ND	12	3.3	ug/kg	
108-87-2	Methylcyclohexane	ND	4.8	2.1	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	2.4	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	12	5.4	ug/kg	
75-09-2	Methylene chloride	ND	12	6.3	ug/kg	
100-42-5	Styrene	ND	4.8	0.96	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	4.8	1.4	ug/kg	
127-18-4	Tetrachloroethene	ND	4.8	1.4	ug/kg	
108-88-3	Toluene	ND	2.4	1.3	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	12	6.0	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	12	6.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	4.8	1.2	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	4.8	1.3	ug/kg	
79-01-6	Trichloroethene	ND	2.4	1.8	ug/kg	
75-69-4	Trichlorofluoromethane	ND	12	1.6	ug/kg	
75-01-4	Vinyl chloride	ND	4.8	1.2	ug/kg	
	m,p-Xylene	ND	2.4	2.1	ug/kg	
95-47-6	o-Xylene	ND	2.4	1.1	ug/kg	
1330-20-7	Xylene (total)	ND	2.4	1.1	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		80-124%
17060-07-0	1,2-Dichloroethane-D4	114%		75-133%
2037-26-5	Toluene-D8	102%		79-125%
460-00-4	4-Bromofluorobenzene	101%		58-148%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

(a) Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.

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RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-9 (6.5-7')		
Lab Sample ID:	JD47845-12	**Date Sampled:**	07/05/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
Method:	SW846 8270E SW846 3546	**Percent Solids:**	47.4
Project:	4th 83rd Street, Pelham, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6P504434.D	1	07/11/22 18:47	NAP	07/08/22 17:00	OP40691	E6P3641
Run #2 [a]	6P504409.D	1	07/10/22 19:35	KLS	07/08/22 17:00	OP40691	E6P3640

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2	30.1 g	1.0 ml

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	140	35	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	350	43	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	350	60	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	350	120	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	350	260	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	350	75	ug/kg	
95-48-7	2-Methylphenol	ND	140	45	ug/kg	
	3&4-Methylphenol	ND	140	58	ug/kg	
88-75-5	2-Nitrophenol	ND	350	46	ug/kg	
100-02-7	4-Nitrophenol	ND	700	190	ug/kg	
87-86-5	Pentachlorophenol [b]	ND	280	66	ug/kg	
108-95-2	Phenol	ND	140	37	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	350	46	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	350	52	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	350	42	ug/kg	
83-32-9	Acenaphthene	ND	70	24	ug/kg	
208-96-8	Acenaphthylene	ND	70	36	ug/kg	
98-86-2	Acetophenone	ND	350	15	ug/kg	
120-12-7	Anthracene	ND	70	43	ug/kg	
1912-24-9	Atrazine	ND	140	30	ug/kg	
56-55-3	Benzo(a)anthracene [c]	22.6	70	20	ug/kg	J
50-32-8	Benzo(a)pyrene	ND	70	32	ug/kg	
205-99-2	Benzo(b)fluoranthene [d]	ND	70	31	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	70	35	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	70	33	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	140	27	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	140	17	ug/kg	
92-52-4	1,1'-Biphenyl	ND	140	9.6	ug/kg	
100-52-7	Benzaldehyde	ND	350	17	ug/kg	
91-58-7	2-Chloronaphthalene	ND	140	17	ug/kg	
106-47-8	4-Chloroaniline	ND	350	25	ug/kg	
86-74-8	Carbazole	ND	140	10	ug/kg	

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB-9 (6.5-7')
Lab Sample ID: JD47845-12
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: 4th 83rd Street, Pelham, NY

Date Sampled: 07/05/22
Date Received: 07/06/22
Percent Solids: 47.4

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	140	28	ug/kg	
218-01-9	Chrysene	ND	70	22	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	140	15	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	140	30	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	140	25	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	140	23	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	70	22	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	70	35	ug/kg	
91-94-1	3,3'-Dichlorobenzidine [d]	ND	140	58	ug/kg	
123-91-1	1,4-Dioxane [b]	ND	70	46	ug/kg	
53-70-3	Dibenzo(a,h)anthracene [d]	ND	70	31	ug/kg	
132-64-9	Dibenzofuran	ND	140	29	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	140	11	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	140	17	ug/kg	
84-66-2	Diethyl phthalate	ND	140	15	ug/kg	
131-11-3	Dimethyl phthalate	ND	140	12	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	140	16	ug/kg	
206-44-0	Fluoranthene	ND	70	31	ug/kg	
86-73-7	Fluorene	ND	70	32	ug/kg	
118-74-1	Hexachlorobenzene	ND	140	18	ug/kg	
87-68-3	Hexachlorobutadiene	ND	70	28	ug/kg	
77-47-4	Hexachlorocyclopentadiene [b]	ND	700	28	ug/kg	
67-72-1	Hexachloroethane	ND	350	35	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene [d]	ND	70	33	ug/kg	
78-59-1	Isophorone	ND	140	15	ug/kg	
91-57-6	2-Methylnaphthalene	ND	70	16	ug/kg	
88-74-4	2-Nitroaniline	ND	350	17	ug/kg	
99-09-2	3-Nitroaniline	ND	350	18	ug/kg	
100-01-6	4-Nitroaniline	ND	350	18	ug/kg	
91-20-3	Naphthalene	ND	70	20	ug/kg	
98-95-3	Nitrobenzene	ND	140	27	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	140	20	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	350	26	ug/kg	
85-01-8	Phenanthrene	ND	70	24	ug/kg	
129-00-0	Pyrene [c]	30.0	70	22	ug/kg	J
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	350	18	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	20%	21%	10-99%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-9 (6.5-7')		
Lab Sample ID:	JD47845-12	**Date Sampled:**	07/05/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
Method:	SW846 8270E SW846 3546	**Percent Solids:**	47.4
Project:	4th 83rd Street, Pelham, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	19%	18%	10-96%
118-79-6	2,4,6-Tribromophenol	22%	22%	10-123%
4165-60-0	Nitrobenzene-d5	23%	22%	10-109%
321-60-8	2-Fluorobiphenyl	21%	21%	11-109%
1718-51-0	Terphenyl-d14	27%	26%	10-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
103-82-2	Benzeneacetic acid	5.38	2700	ug/kg	JN
	unknown	7.55	1300	ug/kg	J
	alkane	10.57	4200	ug/kg	J
	unknown	12.13	980	ug/kg	J
	alkene	12.63	11000	ug/kg	J
	unknown	13.12	950	ug/kg	J
	Unknown alcohols	13.59	7800	ug/kg	J
	alkane	14.46	1500	ug/kg	J
	unknown	14.50	8900	ug/kg	J
59-02-9	Vitamin E	14.61	970	ug/kg	JN
	unknown	14.94	1000	ug/kg	J
	unknown	15.08	1900	ug/kg	J
	unknown	15.17	1700	ug/kg	J
	alkane	15.29	1200	ug/kg	J
	unknown	15.35	2700	ug/kg	J
	unknown	15.40	1800	ug/kg	J
	Sitosterol	15.45	2300	ug/kg	J
	unknown	15.51	1700	ug/kg	J
	unknown	15.60	1200	ug/kg	J
	unknown	15.62	960	ug/kg	J
	unknown	15.67	1000	ug/kg	J
	unknown	15.73	1100	ug/kg	J
	unknown	15.86	2300	ug/kg	J
	unknown	16.06	930	ug/kg	J
	unknown	16.61	1500	ug/kg	J
	Total TIC, Semi-Volatile		63590	ug/kg	J

(a) Confirmation run for internal standard areas.
(b) Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.
(c) Estimated value, due to corresponding internal standard failing low.
(d) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
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B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-9 (6.5-7')		
Lab Sample ID:	JD47845-12	**Date Sampled:**	07/05/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
Method:	SW846 8081B SW846 3546	**Percent Solids:**	47.4
Project:	4th 83rd Street, Pelham, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	1G177967.D	1	07/12/22 23:50	CP	07/09/22 10:00	OP40701	G1G6176
Run #2							

	Initial Weight	Final Volume
Run #1	16.0 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	1.3	1.1	ug/kg	
319-84-6	alpha-BHC	ND	1.3	1.1	ug/kg	
319-85-7	beta-BHC	ND	1.3	1.2	ug/kg	
319-86-8	delta-BHC	ND	1.3	1.3	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.3	0.97	ug/kg	
5103-71-9	alpha-Chlordane	ND	1.3	1.1	ug/kg	
5103-74-2	gamma-Chlordane	ND	1.3	0.60	ug/kg	
60-57-1	Dieldrin	ND	1.3	0.91	ug/kg	
72-54-8	4,4'-DDD	ND	1.3	1.2	ug/kg	
72-55-9	4,4'-DDE	ND	1.3	1.2	ug/kg	
50-29-3	4,4'-DDT	7.0	1.3	1.2	ug/kg	B
72-20-8	Endrin	ND	1.3	1.0	ug/kg	
1031-07-8	Endosulfan sulfate	ND	1.3	1.0	ug/kg	
7421-93-4	Endrin aldehyde	ND	1.3	0.75	ug/kg	
959-98-8	Endosulfan-I	ND	1.3	0.76	ug/kg	
33213-65-9	Endosulfan-II	ND	1.3	0.82	ug/kg	
76-44-8	Heptachlor	ND	1.3	1.1	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.3	0.92	ug/kg	
72-43-5	Methoxychlor	ND	2.6	1.0	ug/kg	
53494-70-5	Endrin ketone	ND	1.3	0.95	ug/kg	
8001-35-2	Toxaphene	ND	33	31	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	52%		14-145%
877-09-8	Tetrachloro-m-xylene	54%		14-145%
2051-24-3	Decachlorobiphenyl	53%		10-197%
2051-24-3	Decachlorobiphenyl	46%		10-197%

(a) Had TBA cleanup.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-9 (6.5-7')		
Lab Sample ID:	JD47845-12	**Date Sampled:**	07/05/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
Method:	SW846 8082A SW846 3546	**Percent Solids:**	47.4
Project:	4th 83rd Street, Pelham, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX2484461.D	1	07/11/22 18:52	CL	07/09/22 10:00	OP40703	GXX7853
Run #2							

	Initial Weight	Final Volume
Run #1	16.0 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	66	31	ug/kg	
11104-28-2	Aroclor 1221	ND	66	41	ug/kg	
11141-16-5	Aroclor 1232	ND	66	42	ug/kg	
53469-21-9	Aroclor 1242	ND	66	27	ug/kg	
12672-29-6	Aroclor 1248	ND	66	59	ug/kg	
11097-69-1	Aroclor 1254	ND	66	35	ug/kg	
11096-82-5	Aroclor 1260	ND	66	28	ug/kg	
11100-14-4	Aroclor 1268	ND	66	28	ug/kg	
37324-23-5	Aroclor 1262	ND	66	43	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	42%		10-163%
877-09-8	Tetrachloro-m-xylene	47%		10-163%
2051-24-3	Decachlorobiphenyl	34%		10-215%
2051-24-3	Decachlorobiphenyl	45%		10-215%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB-9 (6.5-7')
Lab Sample ID: JD47845-12
Matrix: SO - Soil
Project: 4th 83rd Street, Pelham, NY

Date Sampled: 07/05/22
Date Received: 07/06/22
Percent Solids: 47.4

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	24900	110	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Antimony	< 4.3	4.3	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Arsenic	5.0	4.3	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Barium	195	43	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Beryllium	1.4	0.43	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Cadmium	1.5	1.1	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Calcium	7450	1100	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Chromium	60.0	2.2	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Cobalt	< 11	11	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Copper	49.5	5.4	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Iron	14500	110	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Lead	39.0	4.3	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Magnesium	4320	1100	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Manganese	212	3.3	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Mercury	0.36	0.067	mg/kg	1	07/08/22	07/11/22	LM	SW846 7471B [1]	SW846 7471B [4]
Nickel	51.4	8.7	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Potassium	< 2200	2200	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Selenium	5.0	4.3	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Silver	< 1.1	1.1	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Sodium	< 2200	2200	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Thallium	< 2.2	2.2	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Vanadium	47.1	11	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Zinc	76.1	11	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA52698
(2) Instrument QC Batch: MA52704
(3) Prep QC Batch: MP33956
(4) Prep QC Batch: MP33996

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB-9 (6.5-7')		
Lab Sample ID:	JD47845-12	**Date Sampled:**	07/05/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
		Percent Solids:	47.4
Project:	4th 83rd Street, Pelham, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.58	0.58	mg/kg	1	07/11/22 13:30	BR	SW846 9012B/LACHAT
Solids, Percent	47.4		%	1	07/07/22 15:56	BG	SM2540 G 18TH ED MOD

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB-9 (6.5-7')		
Lab Sample ID:	JD47845-12A	**Date Sampled:**	07/05/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	47.4
Project:	4th 83rd Street, Pelham, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	5Q2387.D	1	07/28/22 21:16	AFL	07/18/22 06:30	F:OP92125	F:S5Q39
Run #2							

	Initial Weight	Final Volume
Run #1	2.04 g	1.0 ml
Run #2		

PFAS List

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYLCARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	ND	2.1	0.79	ug/kg	
2706-90-3	Perfluoropentanoic acid	2.2	1.0	0.52	ug/kg	
307-24-4	Perfluorohexanoic acid	1.0	1.0	0.52	ug/kg	
375-85-9	Perfluoroheptanoic acid	0.63	1.0	0.52	ug/kg	J
335-67-1	Perfluorooctanoic acid	ND	1.0	0.52	ug/kg	
375-95-1	Perfluorononanoic acid	ND	1.0	0.52	ug/kg	
335-76-2	Perfluorodecanoic acid	ND	1.0	0.52	ug/kg	
2058-94-8	Perfluoroundecanoic acid	ND	1.0	0.52	ug/kg	
307-55-1	Perfluorododecanoic acid	ND	1.0	0.52	ug/kg	
72629-94-8	Perfluorotridecanoic acid	ND	1.0	0.55	ug/kg	
376-06-7	Perfluorotetradecanoic acid	ND	1.0	0.52	ug/kg	
PERFLUOROALKYLSULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	1.0	0.52	ug/kg	
355-46-4	Perfluorohexanesulfonic acid	ND	1.0	0.52	ug/kg	
375-92-8	Perfluoroheptanesulfonic acid	ND	1.0	0.52	ug/kg	
1763-23-1	Perfluorooctanesulfonic acid	ND	1.0	0.41	ug/kg	
335-77-3	Perfluorodecanesulfonic acid	ND	1.0	0.52	ug/kg	
PERFLUOROOCTANESULFONAMIDES						
754-91-6	PFOSA	ND	1.0	0.52	ug/kg	
PERFLUOROOCTANESULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	2.1	1.0	ug/kg	
2991-50-6	EtFOSAA	ND	2.1	1.0	ug/kg	
FLUOROTELOMER SULFONATES						
27619-97-2	6:2 Fluorotelomer sulfonate	ND	2.1	0.52	ug/kg	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	2.1	0.52	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-9 (6.5-7')		
Lab Sample ID:	JD47845-12A	**Date Sampled:**	07/05/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	47.4
Project:	4th 83rd Street, Pelham, NY		

PFAS List

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	70%		40-140%
	13C5-PFPeA	69%		50-150%
	13C5-PFHxA	73%		50-150%
	13C4-PFHpA	72%		50-150%
	13C8-PFOA	70%		50-150%
	13C9-PFNA	68%		50-150%
	13C6-PFDA	66%		50-150%
	13C7-PFUnDA	59%		40-140%
	13C2-PFDoDA	53%		40-140%
	13C2-PFTeDA	77%		30-130%
	13C3-PFBS	77%		50-150%
	13C3-PFHxS	79%		50-150%
	13C8-PFOS	76%		50-150%
	13C8-FOSA	42%		30-130%
	d3-MeFOSAA	80%		40-140%
	d5-EtFOSAA	79%		40-140%
	13C2-6:2FTS	78%		50-150%
	13C2-8:2FTS	73%		50-150%

(a) Analysis performed at SGS Orlando, FL.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-13 (2-2.5')		
Lab Sample ID:	JD47845-13	**Date Sampled:**	07/05/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
Method:	SW846 8260D SW846 5035	**Percent Solids:**	89.5
Project:	4th 83rd Street, Pelham, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C177047.D	1	07/13/22 17:00	PS	07/07/22 12:42	n/a	V3C7770
Run #2							

	Initial Weight
Run #1	3.8 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	15	6.1	ug/kg	
71-43-2	Benzene	ND	0.74	0.67	ug/kg	
74-97-5	Bromochloromethane	ND	7.4	0.82	ug/kg	
75-27-4	Bromodichloromethane	ND	2.9	0.63	ug/kg	
75-25-2	Bromoform	ND	7.4	2.0	ug/kg	
74-83-9	Bromomethane [a]	ND	7.4	1.1	ug/kg	
78-93-3	2-Butanone (MEK)	ND	15	3.6	ug/kg	
75-15-0	Carbon disulfide	ND	2.9	0.79	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.9	0.91	ug/kg	
108-90-7	Chlorobenzene	ND	2.9	0.67	ug/kg	
75-00-3	Chloroethane [a]	ND	7.4	0.87	ug/kg	
67-66-3	Chloroform	ND	2.9	0.76	ug/kg	
74-87-3	Chloromethane	ND	7.4	2.9	ug/kg	
110-82-7	Cyclohexane	ND	2.9	0.97	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.9	1.0	ug/kg	
124-48-1	Dibromochloromethane	ND	2.9	0.82	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.5	0.62	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	1.5	0.80	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	1.5	0.73	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	1.5	0.73	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	7.4	1.1	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.5	0.73	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.5	0.69	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.5	0.96	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.5	1.2	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.5	0.90	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.9	0.70	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.9	0.70	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.9	0.67	ug/kg	
100-41-4	Ethylbenzene	ND	1.5	0.67	ug/kg	
76-13-1	Freon 113	ND	7.4	3.9	ug/kg	
591-78-6	2-Hexanone	ND	7.4	3.1	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-13 (2-2.5')		
Lab Sample ID:	JD47845-13	**Date Sampled:**	07/05/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
Method:	SW846 8260D SW846 5035	**Percent Solids:**	89.5
Project:	4th 83rd Street, Pelham, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	2.9	2.1	ug/kg	
79-20-9	Methyl Acetate	ND	7.4	2.0	ug/kg	
108-87-2	Methylcyclohexane	ND	2.9	1.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.5	0.69	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	7.4	3.3	ug/kg	
75-09-2	Methylene chloride	ND	7.4	3.8	ug/kg	
100-42-5	Styrene	ND	2.9	0.59	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.9	0.88	ug/kg	
127-18-4	Tetrachloroethene	ND	2.9	0.85	ug/kg	
108-88-3	Toluene	ND	1.5	0.77	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	7.4	3.7	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	7.4	3.7	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.9	0.71	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.9	0.81	ug/kg	
79-01-6	Trichloroethene	ND	1.5	1.1	ug/kg	
75-69-4	Trichlorofluoromethane	ND	7.4	1.0	ug/kg	
75-01-4	Vinyl chloride	ND	2.9	0.71	ug/kg	
	m,p-Xylene	ND	1.5	1.3	ug/kg	
95-47-6	o-Xylene	ND	1.5	0.67	ug/kg	
1330-20-7	Xylene (total)	ND	1.5	0.67	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		80-124%
17060-07-0	1,2-Dichloroethane-D4	112%		75-133%
2037-26-5	Toluene-D8	98%		79-125%
460-00-4	4-Bromofluorobenzene	98%		58-148%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

(a) Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB-13 (2-2.5')
Lab Sample ID: JD47845-13
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: 4th 83rd Street, Pelham, NY

Date Sampled: 07/05/22
Date Received: 07/06/22
Percent Solids: 89.5

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6P504398.D	1	07/10/22 14:51	KLS	07/08/22 17:00	OP40691	E6P3640
Run #2							

	Initial Weight	Final Volume
Run #1	30.4 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	74	18	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	180	23	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	180	31	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	180	65	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	180	140	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	180	39	ug/kg	
95-48-7	2-Methylphenol	ND	74	23	ug/kg	
	3&4-Methylphenol	ND	74	30	ug/kg	
88-75-5	2-Nitrophenol	ND	180	24	ug/kg	
100-02-7	4-Nitrophenol	ND	370	98	ug/kg	
87-86-5	Pentachlorophenol	ND	150	35	ug/kg	
108-95-2	Phenol	ND	74	19	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	180	24	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	180	28	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	180	22	ug/kg	
83-32-9	Acenaphthene	ND	37	13	ug/kg	
208-96-8	Acenaphthylene	ND	37	19	ug/kg	
98-86-2	Acetophenone	ND	180	7.9	ug/kg	
120-12-7	Anthracene	ND	37	23	ug/kg	
1912-24-9	Atrazine	ND	74	16	ug/kg	
56-55-3	Benzo(a)anthracene	31.5	37	10	ug/kg	J
50-32-8	Benzo(a)pyrene	22.7	37	17	ug/kg	J
205-99-2	Benzo(b)fluoranthene	27.3	37	16	ug/kg	J
191-24-2	Benzo(g,h,i)perylene	ND	37	18	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	37	17	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	74	14	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	74	9.0	ug/kg	
92-52-4	1,1'-Biphenyl	ND	74	5.0	ug/kg	
100-52-7	Benzaldehyde	ND	180	9.1	ug/kg	
91-58-7	2-Chloronaphthalene	ND	74	8.7	ug/kg	
106-47-8	4-Chloroaniline	ND	180	13	ug/kg	
86-74-8	Carbazole	ND	74	5.3	ug/kg	

ND = Not detected MDL = Method Detection Limit
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B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-13 (2-2.5')		
Lab Sample ID:	JD47845-13	**Date Sampled:**	07/05/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
Method:	SW846 8270E SW846 3546	**Percent Solids:**	89.5
Project:	4th 83rd Street, Pelham, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	74	15	ug/kg	
218-01-9	Chrysene	23.4	37	12	ug/kg	J
111-91-1	bis(2-Chloroethoxy)methane	ND	74	7.9	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	74	16	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	74	13	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	74	12	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	37	11	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	37	18	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	74	31	ug/kg	
123-91-1	1,4-Dioxane	ND	37	24	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	37	16	ug/kg	
132-64-9	Dibenzofuran	ND	74	15	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	74	6.0	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	74	9.2	ug/kg	
84-66-2	Diethyl phthalate	ND	74	7.8	ug/kg	
131-11-3	Dimethyl phthalate	ND	74	6.5	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate [a]	ND	74	8.6	ug/kg	
206-44-0	Fluoranthene	38.7	37	16	ug/kg	
86-73-7	Fluorene	ND	37	17	ug/kg	
118-74-1	Hexachlorobenzene	ND	74	9.3	ug/kg	
87-68-3	Hexachlorobutadiene	ND	37	15	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	370	15	ug/kg	
67-72-1	Hexachloroethane	ND	180	18	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	19.3	37	17	ug/kg	J
78-59-1	Isophorone	ND	74	7.9	ug/kg	
91-57-6	2-Methylnaphthalene	ND	37	8.3	ug/kg	
88-74-4	2-Nitroaniline	ND	180	8.7	ug/kg	
99-09-2	3-Nitroaniline	ND	180	9.2	ug/kg	
100-01-6	4-Nitroaniline	ND	180	9.5	ug/kg	
91-20-3	Naphthalene	ND	37	10	ug/kg	
98-95-3	Nitrobenzene	ND	74	14	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	74	11	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	180	13	ug/kg	
85-01-8	Phenanthrene	ND	37	12	ug/kg	
129-00-0	Pyrene	48.3	37	12	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	180	9.3	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	23%		10-99%

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B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-13 (2-2.5')		
Lab Sample ID:	JD47845-13	**Date Sampled:**	07/05/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
Method:	SW846 8270E SW846 3546	**Percent Solids:**	89.5
Project:	4th 83rd Street, Pelham, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	23%		10-96%
118-79-6	2,4,6-Tribromophenol	21%		10-123%
4165-60-0	Nitrobenzene-d5	30%		10-109%
321-60-8	2-Fluorobiphenyl	30%		11-109%
1718-51-0	Terphenyl-d14	38%		10-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	System artifact	1.62	320	ug/kg	J
	System artifact	2.87	430	ug/kg	J
	System artifact	3.06	260	ug/kg	J
	Total TIC, Semi-Volatile		0	ug/kg	

(a) Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-13 (2-2.5')		
Lab Sample ID:	JD47845-13	**Date Sampled:**	07/05/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
Method:	SW846 8081B SW846 3546	**Percent Solids:**	89.5
Project:	4th 83rd Street, Pelham, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G177879.D	1	07/10/22 22:14	TL	07/09/22 10:00	OP40701	G1G6172
Run #2							

	Initial Weight	Final Volume
Run #1	16.0 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.70	0.58	ug/kg	
319-84-6	alpha-BHC	ND	0.70	0.57	ug/kg	
319-85-7	beta-BHC	ND	0.70	0.63	ug/kg	
319-86-8	delta-BHC	ND	0.70	0.67	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.70	0.51	ug/kg	
5103-71-9	alpha-Chlordane	ND	0.70	0.56	ug/kg	
5103-74-2	gamma-Chlordane	ND	0.70	0.32	ug/kg	
60-57-1	Dieldrin	ND	0.70	0.48	ug/kg	
72-54-8	4,4'-DDD	0.73	0.70	0.64	ug/kg	
72-55-9	4,4'-DDE	ND	0.70	0.61	ug/kg	
50-29-3	4,4'-DDT [a]	10.5	0.70	0.62	ug/kg	B
72-20-8	Endrin	ND	0.70	0.54	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.70	0.55	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.70	0.40	ug/kg	
959-98-8	Endosulfan-I	ND	0.70	0.40	ug/kg	
33213-65-9	Endosulfan-II	ND	0.70	0.44	ug/kg	
76-44-8	Heptachlor	ND	0.70	0.60	ug/kg	
1024-57-3	Heptachlor epoxide	ND	0.70	0.49	ug/kg	
72-43-5	Methoxychlor	ND	1.4	0.56	ug/kg	
53494-70-5	Endrin ketone	ND	0.70	0.50	ug/kg	
8001-35-2	Toxaphene	ND	17	16	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	86%		14-145%
877-09-8	Tetrachloro-m-xylene	84%		14-145%
2051-24-3	Decachlorobiphenyl	68%		10-197%
2051-24-3	Decachlorobiphenyl	81%		10-197%

(a) More than 40 % RPD for detected concentrations between the two GC columns.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-13 (2-2.5')		
Lab Sample ID:	JD47845-13	**Date Sampled:**	07/05/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
Method:	SW846 8082A SW846 3546	**Percent Solids:**	89.5
Project:	4th 83rd Street, Pelham, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX2484462.D	1	07/11/22 19:08	CL	07/09/22 10:00	OP40703	GXX7853
Run #2							

	Initial Weight	Final Volume
Run #1	16.0 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	35	16	ug/kg	
11104-28-2	Aroclor 1221	ND	35	22	ug/kg	
11141-16-5	Aroclor 1232	ND	35	22	ug/kg	
53469-21-9	Aroclor 1242	ND	35	14	ug/kg	
12672-29-6	Aroclor 1248	ND	35	31	ug/kg	
11097-69-1	Aroclor 1254	ND	35	19	ug/kg	
11096-82-5	Aroclor 1260	ND	35	15	ug/kg	
11100-14-4	Aroclor 1268	ND	35	15	ug/kg	
37324-23-5	Aroclor 1262	ND	35	23	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	78%		10-163%
877-09-8	Tetrachloro-m-xylene	88%		10-163%
2051-24-3	Decachlorobiphenyl	62%		10-215%
2051-24-3	Decachlorobiphenyl	69%		10-215%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB-13 (2-2.5')
Lab Sample ID: JD47845-13
Matrix: SO - Soil
Project: 4th 83rd Street, Pelham, NY

Date Sampled: 07/05/22
Date Received: 07/06/22
Percent Solids: 89.5

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	8960	56	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Antimony	< 2.2	2.2	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Arsenic	2.6	2.2	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Barium	48.3	22	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Beryllium	0.42	0.22	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Cadmium	0.67	0.56	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Calcium	1380	560	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Chromium	20.9	1.1	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Cobalt	8.2	5.6	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Copper	14.3	2.8	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Iron	16300	56	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Lead	16.5	2.2	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Magnesium	3790	560	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Manganese	271	1.7	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Mercury	< 0.034	0.034	mg/kg	1	07/08/22	07/11/22	LM	SW846 7471B [1]	SW846 7471B [4]
Nickel	17.7	4.5	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Potassium	1810	1100	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Selenium	< 2.2	2.2	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Silver	< 0.56	0.56	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Sodium	< 1100	1100	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Thallium	< 1.1	1.1	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Vanadium	24.5	5.6	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Zinc	46.1	5.6	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA52698
(2) Instrument QC Batch: MA52704
(3) Prep QC Batch: MP33956
(4) Prep QC Batch: MP33996

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB-13 (2-2.5')		
Lab Sample ID:	JD47845-13	**Date Sampled:**	07/05/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
		Percent Solids:	89.5
Project:	4th 83rd Street, Pelham, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.27	0.27	mg/kg	1	07/11/22 13:32	BR	SW846 9012B/LACHAT
Solids, Percent	89.5		%	1	07/07/22 15:56	BG	SM2540 G 18TH ED MOD

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB-13 (2-2.5')		
Lab Sample ID:	JD47845-13A	**Date Sampled:**	07/05/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	89.5
Project:	4th 83rd Street, Pelham, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	5Q2391.D	1	07/28/22 22:18	AFL	07/18/22 06:30	F:OP92125	F:S5Q39
Run #2							

	Initial Weight	Final Volume
Run #1	2.06 g	1.0 ml
Run #2		

PFAS List

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYLCARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	ND	1.1	0.41	ug/kg	
2706-90-3	Perfluoropentanoic acid	ND	0.54	0.27	ug/kg	
307-24-4	Perfluorohexanoic acid	ND	0.54	0.27	ug/kg	
375-85-9	Perfluoroheptanoic acid	ND	0.54	0.27	ug/kg	
335-67-1	Perfluorooctanoic acid	ND	0.54	0.27	ug/kg	
375-95-1	Perfluorononanoic acid	ND	0.54	0.27	ug/kg	
335-76-2	Perfluorodecanoic acid	ND	0.54	0.27	ug/kg	
2058-94-8	Perfluoroundecanoic acid	ND	0.54	0.27	ug/kg	
307-55-1	Perfluorododecanoic acid	ND	0.54	0.27	ug/kg	
72629-94-8	Perfluorotridecanoic acid	ND	0.54	0.29	ug/kg	
376-06-7	Perfluorotetradecanoic acid	ND	0.54	0.27	ug/kg	
PERFLUOROALKYLSULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.54	0.27	ug/kg	
355-46-4	Perfluorohexanesulfonic acid	ND	0.54	0.27	ug/kg	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.54	0.27	ug/kg	
1763-23-1	Perfluorooctanesulfonic acid	ND	0.54	0.22	ug/kg	
335-77-3	Perfluorodecanesulfonic acid	ND	0.54	0.27	ug/kg	
PERFLUOROOCTANESULFONAMIDES						
754-91-6	PFOSA	ND	0.54	0.27	ug/kg	
PERFLUOROOCTANESULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	1.1	0.54	ug/kg	
2991-50-6	EtFOSAA	ND	1.1	0.54	ug/kg	
FLUOROTELOMER SULFONATES						
27619-97-2	6:2 Fluorotelomer sulfonate	ND	1.1	0.27	ug/kg	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	1.1	0.27	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-13 (2-2.5')		
Lab Sample ID:	JD47845-13A	**Date Sampled:**	07/05/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	89.5
Project:	4th 83rd Street, Pelham, NY		

PFAS List

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	90%		40-140%
	13C5-PFPeA	89%		50-150%
	13C5-PFHxA	91%		50-150%
	13C4-PFHpA	91%		50-150%
	13C8-PFOA	93%		50-150%
	13C9-PFNA	94%		50-150%
	13C6-PFDA	104%		50-150%
	13C7-PFUnDA	107%		40-140%
	13C2-PFDoDA	106%		40-140%
	13C2-PFTeDA	116%		30-130%
	13C3-PFBS	120%		50-150%
	13C3-PFHxS	121%		50-150%
	13C8-PFOS	122%		50-150%
	13C8-FOSA	92%		30-130%
	d3-MeFOSAA	134%		40-140%
	d5-EtFOSAA	120%		40-140%
	13C2-6:2FTS	120%		50-150%
	13C2-8:2FTS	123%		50-150%

(a) Analysis performed at SGS Orlando, FL.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-13 (4-4.5')		
Lab Sample ID:	JD47845-14	**Date Sampled:**	07/05/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
Method:	SW846 8260D SW846 5035	**Percent Solids:**	85.2
Project:	4th 83rd Street, Pelham, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C177048.D	1	07/13/22 17:25	PS	07/07/22 12:42	n/a	V3C7770
Run #2							

	Initial Weight
Run #1	5.3 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	11	4.6	ug/kg	
71-43-2	Benzene	ND	0.55	0.50	ug/kg	
74-97-5	Bromochloromethane	ND	5.5	0.62	ug/kg	
75-27-4	Bromodichloromethane	ND	2.2	0.48	ug/kg	
75-25-2	Bromoform	ND	5.5	1.5	ug/kg	
74-83-9	Bromomethane [a]	ND	5.5	0.85	ug/kg	
78-93-3	2-Butanone (MEK)	ND	11	2.7	ug/kg	
75-15-0	Carbon disulfide	ND	2.2	0.59	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.2	0.68	ug/kg	
108-90-7	Chlorobenzene	ND	2.2	0.51	ug/kg	
75-00-3	Chloroethane [a]	ND	5.5	0.65	ug/kg	
67-66-3	Chloroform	ND	2.2	0.57	ug/kg	
74-87-3	Chloromethane	ND	5.5	2.2	ug/kg	
110-82-7	Cyclohexane	ND	2.2	0.73	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.2	0.77	ug/kg	
124-48-1	Dibromochloromethane	ND	2.2	0.62	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.1	0.47	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	1.1	0.60	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	1.1	0.55	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	1.1	0.55	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.5	0.80	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.1	0.55	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.1	0.52	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.1	0.73	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.1	0.93	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.1	0.68	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.2	0.52	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.2	0.53	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.2	0.51	ug/kg	
100-41-4	Ethylbenzene	ND	1.1	0.50	ug/kg	
76-13-1	Freon 113	ND	5.5	3.0	ug/kg	
591-78-6	2-Hexanone	ND	5.5	2.3	ug/kg	

ND = Not detected MDL = Method Detection Limit
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E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-13 (4-4.5')		
Lab Sample ID:	JD47845-14	**Date Sampled:**	07/05/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
Method:	SW846 8260D SW846 5035	**Percent Solids:**	85.2
Project:	4th 83rd Street, Pelham, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	2.2	1.6	ug/kg	
79-20-9	Methyl Acetate	ND	5.5	1.5	ug/kg	
108-87-2	Methylcyclohexane	ND	2.2	0.97	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.1	0.52	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.5	2.5	ug/kg	
75-09-2	Methylene chloride	ND	5.5	2.9	ug/kg	
100-42-5	Styrene	ND	2.2	0.45	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.2	0.66	ug/kg	
127-18-4	Tetrachloroethene	ND	2.2	0.64	ug/kg	
108-88-3	Toluene	ND	1.1	0.58	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.5	2.8	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.5	2.8	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.2	0.53	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.2	0.61	ug/kg	
79-01-6	Trichloroethene	ND	1.1	0.84	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.5	0.76	ug/kg	
75-01-4	Vinyl chloride	ND	2.2	0.53	ug/kg	
	m,p-Xylene	ND	1.1	0.99	ug/kg	
95-47-6	o-Xylene	ND	1.1	0.51	ug/kg	
1330-20-7	Xylene (total)	ND	1.1	0.51	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		80-124%
17060-07-0	1,2-Dichloroethane-D4	118%		75-133%
2037-26-5	Toluene-D8	102%		79-125%
460-00-4	4-Bromofluorobenzene	99%		58-148%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

(a) Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-13 (4-4.5')		
Lab Sample ID:	JD47845-14	**Date Sampled:**	07/05/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
Method:	SW846 8270E SW846 3546	**Percent Solids:**	85.2
Project:	4th 83rd Street, Pelham, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6P504399.D	1	07/10/22 15:15	KLS	07/08/22 17:00	OP40691	E6P3640
Run #2							

	Initial Weight	Final Volume
Run #1	30.5 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	77	19	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	190	24	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	190	33	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	190	68	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	190	140	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	190	41	ug/kg	
95-48-7	2-Methylphenol	ND	77	25	ug/kg	
	3&4-Methylphenol	ND	77	32	ug/kg	
88-75-5	2-Nitrophenol	ND	190	25	ug/kg	
100-02-7	4-Nitrophenol	ND	380	100	ug/kg	
87-86-5	Pentachlorophenol	ND	150	36	ug/kg	
108-95-2	Phenol	ND	77	20	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	190	25	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	190	29	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	190	23	ug/kg	
83-32-9	Acenaphthene	ND	38	13	ug/kg	
208-96-8	Acenaphthylene	ND	38	20	ug/kg	
98-86-2	Acetophenone	ND	190	8.3	ug/kg	
120-12-7	Anthracene	ND	38	24	ug/kg	
1912-24-9	Atrazine	ND	77	16	ug/kg	
56-55-3	Benzo(a)anthracene	19.5	38	11	ug/kg	J
50-32-8	Benzo(a)pyrene	ND	38	18	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	38	17	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	38	19	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	38	18	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	77	15	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	77	9.4	ug/kg	
92-52-4	1,1'-Biphenyl	ND	77	5.3	ug/kg	
100-52-7	Benzaldehyde	ND	190	9.5	ug/kg	
91-58-7	2-Chloronaphthalene	ND	77	9.2	ug/kg	
106-47-8	4-Chloroaniline	ND	190	14	ug/kg	
86-74-8	Carbazole	ND	77	5.6	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-13 (4-4.5')		
Lab Sample ID:	JD47845-14	**Date Sampled:**	07/05/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
Method:	SW846 8270E SW846 3546	**Percent Solids:**	85.2
Project:	4th 83rd Street, Pelham, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	77	15	ug/kg	
218-01-9	Chrysene	14.6	38	12	ug/kg	J
111-91-1	bis(2-Chloroethoxy)methane	ND	77	8.2	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	77	17	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	77	14	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	77	12	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	38	12	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	38	19	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	77	32	ug/kg	
123-91-1	1,4-Dioxane	ND	38	25	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	38	17	ug/kg	
132-64-9	Dibenzofuran	ND	77	16	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	77	6.3	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	77	9.6	ug/kg	
84-66-2	Diethyl phthalate	ND	77	8.2	ug/kg	
131-11-3	Dimethyl phthalate	ND	77	6.8	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate [a]	ND	77	9.0	ug/kg	
206-44-0	Fluoranthene	20.7	38	17	ug/kg	J
86-73-7	Fluorene	ND	38	18	ug/kg	
118-74-1	Hexachlorobenzene	ND	77	9.7	ug/kg	
87-68-3	Hexachlorobutadiene	ND	38	15	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	380	15	ug/kg	
67-72-1	Hexachloroethane	ND	190	19	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	38	18	ug/kg	
78-59-1	Isophorone	ND	77	8.2	ug/kg	
91-57-6	2-Methylnaphthalene	ND	38	8.7	ug/kg	
88-74-4	2-Nitroaniline	ND	190	9.1	ug/kg	
99-09-2	3-Nitroaniline	ND	190	9.6	ug/kg	
100-01-6	4-Nitroaniline	ND	190	10	ug/kg	
91-20-3	Naphthalene	ND	38	11	ug/kg	
98-95-3	Nitrobenzene	ND	77	15	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	77	11	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	190	14	ug/kg	
85-01-8	Phenanthrene	ND	38	13	ug/kg	
129-00-0	Pyrene	24.2	38	12	ug/kg	J
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	190	9.8	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	26%		10-99%

ND = Not detected MDL = Method Detection Limit
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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-13 (4-4.5')		
Lab Sample ID:	JD47845-14	**Date Sampled:**	07/05/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
Method:	SW846 8270E SW846 3546	**Percent Solids:**	85.2
Project:	4th 83rd Street, Pelham, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	26%		10-96%
118-79-6	2,4,6-Tribromophenol	28%		10-123%
4165-60-0	Nitrobenzene-d5	32%		10-109%
321-60-8	2-Fluorobiphenyl	31%		11-109%
1718-51-0	Terphenyl-d14	41%		10-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	System artifact	2.87	440	ug/kg	J
	System artifact	3.06	260	ug/kg	J
	System artifact	3.66	190	ug/kg	J
	Unknown	3.76	180	ug/kg	J
	Total TIC, Semi-Volatile		180	ug/kg	J

(a) Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-13 (4-4.5')		
Lab Sample ID:	JD47845-14	**Date Sampled:**	07/05/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
Method:	SW846 8081B SW846 3546	**Percent Solids:**	85.2
Project:	4th 83rd Street, Pelham, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G177880.D	1	07/10/22 22:33	TL	07/09/22 10:00	OP40701	G1G6172
Run #2							

	Initial Weight	Final Volume
Run #1	16.1 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.73	0.60	ug/kg	
319-84-6	alpha-BHC	ND	0.73	0.59	ug/kg	
319-85-7	beta-BHC	ND	0.73	0.66	ug/kg	
319-86-8	delta-BHC	ND	0.73	0.70	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.73	0.54	ug/kg	
5103-71-9	alpha-Chlordane	ND	0.73	0.59	ug/kg	
5103-74-2	gamma-Chlordane	ND	0.73	0.33	ug/kg	
60-57-1	Dieldrin	ND	0.73	0.50	ug/kg	
72-54-8	4,4'-DDD	ND	0.73	0.67	ug/kg	
72-55-9	4,4'-DDE	ND	0.73	0.64	ug/kg	
50-29-3	4,4'-DDT [a]	1.8	0.73	0.65	ug/kg	B
72-20-8	Endrin	ND	0.73	0.57	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.73	0.57	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.73	0.41	ug/kg	
959-98-8	Endosulfan-I	ND	0.73	0.42	ug/kg	
33213-65-9	Endosulfan-II	ND	0.73	0.45	ug/kg	
76-44-8	Heptachlor	ND	0.73	0.63	ug/kg	
1024-57-3	Heptachlor epoxide	ND	0.73	0.51	ug/kg	
72-43-5	Methoxychlor	ND	1.5	0.58	ug/kg	
53494-70-5	Endrin ketone	ND	0.73	0.53	ug/kg	
8001-35-2	Toxaphene	ND	18	17	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	52%		14-145%
877-09-8	Tetrachloro-m-xylene	59%		14-145%
2051-24-3	Decachlorobiphenyl	37%		10-197%
2051-24-3	Decachlorobiphenyl	48%		10-197%

(a) More than 40 % RPD for detected concentrations between the two GC columns.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-13 (4-4.5')		
Lab Sample ID:	JD47845-14	**Date Sampled:**	07/05/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
Method:	SW846 8082A SW846 3546	**Percent Solids:**	85.2
Project:	4th 83rd Street, Pelham, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX2484463.D	1	07/11/22 19:25	CL	07/09/22 10:00	OP40703	GXX7853
Run #2							

	Initial Weight	Final Volume
Run #1	16.1 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	36	17	ug/kg	
11104-28-2	Aroclor 1221	ND	36	23	ug/kg	
11141-16-5	Aroclor 1232	ND	36	23	ug/kg	
53469-21-9	Aroclor 1242	ND	36	15	ug/kg	
12672-29-6	Aroclor 1248	ND	36	33	ug/kg	
11097-69-1	Aroclor 1254	ND	36	20	ug/kg	
11096-82-5	Aroclor 1260	ND	36	16	ug/kg	
11100-14-4	Aroclor 1268	ND	36	15	ug/kg	
37324-23-5	Aroclor 1262	ND	36	24	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	46%		10-163%
877-09-8	Tetrachloro-m-xylene	52%		10-163%
2051-24-3	Decachlorobiphenyl	39%		10-215%
2051-24-3	Decachlorobiphenyl	42%		10-215%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB-13 (4-4.5')
Lab Sample ID: JD47845-14
Matrix: SO - Soil
Project: 4th 83rd Street, Pelham, NY

Date Sampled: 07/05/22
Date Received: 07/06/22
Percent Solids: 85.2

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	10000	59	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Antimony	< 2.3	2.3	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Arsenic	< 2.3	2.3	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Barium	45.3	23	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Beryllium	0.42	0.23	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Cadmium	< 0.59	0.59	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Calcium	801	590	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Chromium	16.0	1.2	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Cobalt	6.2	5.9	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Copper	7.0	2.9	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Iron	16300	59	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Lead	9.7	2.3	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Magnesium	2080	590	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Manganese	248	1.8	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Mercury	< 0.031	0.031	mg/kg	1	07/08/22	07/11/22	LM	SW846 7471B [1]	SW846 7471B [4]
Nickel	13.0	4.7	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Potassium	< 1200	1200	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Selenium	< 2.3	2.3	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Silver	< 0.59	0.59	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Sodium	< 1200	1200	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Thallium	< 1.2	1.2	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Vanadium	18.7	5.9	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Zinc	45.2	5.9	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA52698
(2) Instrument QC Batch: MA52704
(3) Prep QC Batch: MP33956
(4) Prep QC Batch: MP33996

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB-13 (4-4.5')		
Lab Sample ID:	JD47845-14	**Date Sampled:**	07/05/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
		Percent Solids:	85.2
Project:	4th 83rd Street, Pelham, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.26	0.26	mg/kg	1	07/11/22 13:33	BR	SW846 9012B/LACHAT
Solids, Percent	85.2		%	1	07/07/22 15:56	BG	SM2540 G 18TH ED MOD

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB-13 (4-4.5')		
Lab Sample ID:	JD47845-14A	**Date Sampled:**	07/05/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	85.2
Project:	4th 83rd Street, Pelham, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	5Q2392.D	1	07/28/22 22:33	AFL	07/18/22 06:30	F:OP92125	F:S5Q39
Run #2 [b]	5Q2453.D	5	07/29/22 23:25	AFL	07/18/22 06:30	F:OP92125	F:S5Q40

	Initial Weight	Final Volume
Run #1	1.98 g	1.0 ml
Run #2	1.98 g	1.0 ml

PFAS List

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYLCARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	ND	1.2	0.45	ug/kg	
2706-90-3	Perfluoropentanoic acid	ND	0.59	0.30	ug/kg	
307-24-4	Perfluorohexanoic acid	ND	0.59	0.30	ug/kg	
375-85-9	Perfluoroheptanoic acid	ND	0.59	0.30	ug/kg	
335-67-1	Perfluorooctanoic acid	ND	0.59	0.30	ug/kg	
375-95-1	Perfluorononanoic acid	ND	0.59	0.30	ug/kg	
335-76-2	Perfluorodecanoic acid	ND	0.59	0.30	ug/kg	
2058-94-8	Perfluoroundecanoic acid	ND	0.59	0.30	ug/kg	
307-55-1	Perfluorododecanoic acid	ND	0.59	0.30	ug/kg	
72629-94-8	Perfluorotridecanoic acid	ND	0.59	0.31	ug/kg	
376-06-7	Perfluorotetradecanoic acid	ND	0.59	0.30	ug/kg	
PERFLUOROALKYLSULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.59	0.30	ug/kg	
355-46-4	Perfluorohexanesulfonic acid	ND	0.59	0.30	ug/kg	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.59	0.30	ug/kg	
1763-23-1	Perfluorooctanesulfonic acid	ND	0.59	0.24	ug/kg	
335-77-3	Perfluorodecanesulfonic acid	ND	0.59	0.30	ug/kg	
PERFLUOROOCTANESULFONAMIDES						
754-91-6	PFOSA	ND	0.59	0.30	ug/kg	
PERFLUOROOCTANESULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA [c]	ND	1.2	0.59	ug/kg	
2991-50-6	EtFOSAA	ND	1.2	0.59	ug/kg	
FLUOROTELOMER SULFONATES						
27619-97-2	6:2 Fluorotelomer sulfonate	ND	1.2	0.30	ug/kg	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	1.2	0.30	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-13 (4-4.5')		
Lab Sample ID:	JD47845-14A	**Date Sampled:**	07/05/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	85.2
Project:	4th 83rd Street, Pelham, NY		

PFAS List

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	112%	115%	40-140%
	13C5-PFPeA	111%	112%	50-150%
	13C5-PFHxA	112%	112%	50-150%
	13C4-PFHpA	113%	115%	50-150%
	13C8-PFOA	114%	115%	50-150%
	13C9-PFNA	113%	114%	50-150%
	13C6-PFDA	118%	114%	50-150%
	13C7-PFUnDA	110%	107%	40-140%
	13C2-PFDoDA	107%	105%	40-140%
	13C2-PFTeDA	110%	109%	30-130%
	13C3-PFBS	110%	115%	50-150%
	13C3-PFHxS	112%	112%	50-150%
	13C8-PFOS	111%	117%	50-150%
	13C8-FOSA	118%	120%	30-130%
	d3-MeFOSAA	148% [d]	122%	40-140%
	d5-EtFOSAA	139%	116%	40-140%
	13C2-6:2FTS	109%	108%	50-150%
	13C2-8:2FTS	116%	107%	50-150%

(a) Analysis performed at SGS Orlando, FL.
(b) Confirmation run. Analysis performed at SGS Orlando, FL.
(c) Associated ID Standard outside control limits.
(d) Outside control limits.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP-1		
Lab Sample ID:	JD47845-15	**Date Sampled:**	07/05/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
Method:	SW846 8260D SW846 5035	**Percent Solids:**	77.8
Project:	4th 83rd Street, Pelham, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C177049.D	1	07/13/22 17:51	PS	07/07/22 12:42	n/a	V3C7770
Run #2							

	Initial Weight
Run #1	4.4 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	15	6.0	ug/kg	
71-43-2	Benzene	ND	0.73	0.66	ug/kg	
74-97-5	Bromochloromethane	ND	7.3	0.82	ug/kg	
75-27-4	Bromodichloromethane	ND	2.9	0.63	ug/kg	
75-25-2	Bromoform	ND	7.3	2.0	ug/kg	
74-83-9	Bromomethane [a]	ND	7.3	1.1	ug/kg	
78-93-3	2-Butanone (MEK)	ND	15	3.5	ug/kg	
75-15-0	Carbon disulfide	ND	2.9	0.78	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.9	0.90	ug/kg	
108-90-7	Chlorobenzene	ND	2.9	0.67	ug/kg	
75-00-3	Chloroethane [a]	ND	7.3	0.86	ug/kg	
67-66-3	Chloroform	ND	2.9	0.76	ug/kg	
74-87-3	Chloromethane	ND	7.3	2.9	ug/kg	
110-82-7	Cyclohexane	ND	2.9	0.96	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.9	1.0	ug/kg	
124-48-1	Dibromochloromethane	ND	2.9	0.82	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.5	0.61	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	1.5	0.80	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	1.5	0.72	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	1.5	0.72	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	7.3	1.1	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.5	0.72	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.5	0.69	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.5	0.96	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.5	1.2	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.5	0.89	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.9	0.69	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.9	0.69	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.9	0.67	ug/kg	
100-41-4	Ethylbenzene	ND	1.5	0.66	ug/kg	
76-13-1	Freon 113	ND	7.3	3.9	ug/kg	
591-78-6	2-Hexanone	ND	7.3	3.1	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP-1		
Lab Sample ID:	JD47845-15	**Date Sampled:**	07/05/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
Method:	SW846 8260D SW846 5035	**Percent Solids:**	77.8
Project:	4th 83rd Street, Pelham, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	2.9	2.1	ug/kg	
79-20-9	Methyl Acetate	ND	7.3	2.0	ug/kg	
108-87-2	Methylcyclohexane	ND	2.9	1.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.5	0.69	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	7.3	3.3	ug/kg	
75-09-2	Methylene chloride	ND	7.3	3.8	ug/kg	
100-42-5	Styrene	ND	2.9	0.59	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.9	0.87	ug/kg	
127-18-4	Tetrachloroethene	ND	2.9	0.85	ug/kg	
108-88-3	Toluene	ND	1.5	0.77	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	7.3	3.7	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	7.3	3.7	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.9	0.71	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.9	0.81	ug/kg	
79-01-6	Trichloroethene	ND	1.5	1.1	ug/kg	
75-69-4	Trichlorofluoromethane	ND	7.3	1.0	ug/kg	
75-01-4	Vinyl chloride	ND	2.9	0.70	ug/kg	
	m,p-Xylene	ND	1.5	1.3	ug/kg	
95-47-6	o-Xylene	ND	1.5	0.67	ug/kg	
1330-20-7	Xylene (total)	ND	1.5	0.67	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		80-124%
17060-07-0	1,2-Dichloroethane-D4	117%		75-133%
2037-26-5	Toluene-D8	99%		79-125%
460-00-4	4-Bromofluorobenzene	98%		58-148%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

(a) Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: DUP-1
Lab Sample ID: JD47845-15
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: 4th 83rd Street, Pelham, NY

Date Sampled: 07/05/22
Date Received: 07/06/22
Percent Solids: 77.8

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6P504400.D	1	07/10/22 15:38	KLS	07/08/22 17:00	OP40691	E6P3640
Run #2							

	Initial Weight	Final Volume
Run #1	31.3 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	82	20	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	210	25	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	210	35	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	210	73	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	210	150	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	210	44	ug/kg	
95-48-7	2-Methylphenol	ND	82	26	ug/kg	
	3&4-Methylphenol	ND	82	34	ug/kg	
88-75-5	2-Nitrophenol	ND	210	27	ug/kg	
100-02-7	4-Nitrophenol	ND	410	110	ug/kg	
87-86-5	Pentachlorophenol	ND	160	39	ug/kg	
108-95-2	Phenol	ND	82	21	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	210	27	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	210	31	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	210	24	ug/kg	
83-32-9	Acenaphthene	ND	41	14	ug/kg	
208-96-8	Acenaphthylene	ND	41	21	ug/kg	
98-86-2	Acetophenone	ND	210	8.8	ug/kg	
120-12-7	Anthracene	ND	41	25	ug/kg	
1912-24-9	Atrazine	ND	82	18	ug/kg	
56-55-3	Benzo(a)anthracene	ND	41	12	ug/kg	
50-32-8	Benzo(a)pyrene	ND	41	19	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	41	18	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	41	21	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	41	19	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	82	16	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	82	10	ug/kg	
92-52-4	1,1'-Biphenyl	ND	82	5.6	ug/kg	
100-52-7	Benzaldehyde	ND	210	10	ug/kg	
91-58-7	2-Chloronaphthalene	ND	82	9.8	ug/kg	
106-47-8	4-Chloroaniline	ND	210	15	ug/kg	
86-74-8	Carbazole	ND	82	6.0	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP-1		
Lab Sample ID:	JD47845-15	**Date Sampled:**	07/05/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
Method:	SW846 8270E SW846 3546	**Percent Solids:**	77.8
Project:	4th 83rd Street, Pelham, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	82	16	ug/kg	
218-01-9	Chrysene	ND	41	13	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	82	8.8	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	82	18	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	82	15	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	82	13	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	41	13	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	41	21	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	82	34	ug/kg	
123-91-1	1,4-Dioxane	ND	41	27	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	41	18	ug/kg	
132-64-9	Dibenzofuran	ND	82	17	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	82	6.7	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	82	10	ug/kg	
84-66-2	Diethyl phthalate	ND	82	8.7	ug/kg	
131-11-3	Dimethyl phthalate	ND	82	7.3	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate [a]	ND	82	9.6	ug/kg	
206-44-0	Fluoranthene	ND	41	18	ug/kg	
86-73-7	Fluorene	ND	41	19	ug/kg	
118-74-1	Hexachlorobenzene	ND	82	10	ug/kg	
87-68-3	Hexachlorobutadiene	ND	41	17	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	410	16	ug/kg	
67-72-1	Hexachloroethane	ND	210	20	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	41	19	ug/kg	
78-59-1	Isophorone	ND	82	8.8	ug/kg	
91-57-6	2-Methylnaphthalene	ND	41	9.3	ug/kg	
88-74-4	2-Nitroaniline	ND	210	9.7	ug/kg	
99-09-2	3-Nitroaniline	ND	210	10	ug/kg	
100-01-6	4-Nitroaniline	ND	210	11	ug/kg	
91-20-3	Naphthalene	ND	41	12	ug/kg	
98-95-3	Nitrobenzene	ND	82	16	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	82	12	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	210	15	ug/kg	
85-01-8	Phenanthrene	ND	41	14	ug/kg	
129-00-0	Pyrene	ND	41	13	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	210	10	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	27%		10-99%

ND = Not detected MDL = Method Detection Limit
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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP-1		
Lab Sample ID:	JD47845-15	**Date Sampled:**	07/05/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
Method:	SW846 8270E SW846 3546	**Percent Solids:**	77.8
Project:	4th 83rd Street, Pelham, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	24%		10-96%
118-79-6	2,4,6-Tribromophenol	30%		10-123%
4165-60-0	Nitrobenzene-d5	30%		10-109%
321-60-8	2-Fluorobiphenyl	29%		11-109%
1718-51-0	Terphenyl-d14	39%		10-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	System artifact	1.63	660	ug/kg	J
	System artifact	2.75	190	ug/kg	J
	System artifact	2.87	610	ug/kg	J
	System artifact	3.06	360	ug/kg	J
	Alkane	10.56	200	ug/kg	J
	Unknown	11.62	360	ug/kg	J
	Alkene	12.63	490	ug/kg	J
	Alkene	14.50	380	ug/kg	J
	Total TIC, Semi-Volatile		1430	ug/kg	J

(a) Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP-1		
Lab Sample ID:	JD47845-15	**Date Sampled:**	07/05/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
Method:	SW846 8081B SW846 3546	**Percent Solids:**	77.8
Project:	4th 83rd Street, Pelham, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G177881.D	1	07/10/22 22:51	TL	07/09/22 10:00	OP40701	G1G6172
Run #2							

	Initial Weight	Final Volume
Run #1	16.0 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.80	0.66	ug/kg	
319-84-6	alpha-BHC	ND	0.80	0.65	ug/kg	
319-85-7	beta-BHC	ND	0.80	0.73	ug/kg	
319-86-8	delta-BHC	ND	0.80	0.77	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.80	0.59	ug/kg	
5103-71-9	alpha-Chlordane	ND	0.80	0.65	ug/kg	
5103-74-2	gamma-Chlordane	ND	0.80	0.36	ug/kg	
60-57-1	Dieldrin	ND	0.80	0.55	ug/kg	
72-54-8	4,4'-DDD	ND	0.80	0.74	ug/kg	
72-55-9	4,4'-DDE	ND	0.80	0.70	ug/kg	
50-29-3	4,4'-DDT [a]	2.6	0.80	0.71	ug/kg	B
72-20-8	Endrin	ND	0.80	0.62	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.80	0.63	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.80	0.46	ug/kg	
959-98-8	Endosulfan-I	ND	0.80	0.46	ug/kg	
33213-65-9	Endosulfan-II	ND	0.80	0.50	ug/kg	
76-44-8	Heptachlor	ND	0.80	0.69	ug/kg	
1024-57-3	Heptachlor epoxide	ND	0.80	0.56	ug/kg	
72-43-5	Methoxychlor	ND	1.6	0.64	ug/kg	
53494-70-5	Endrin ketone	ND	0.80	0.58	ug/kg	
8001-35-2	Toxaphene	ND	20	19	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	53%		14-145%
877-09-8	Tetrachloro-m-xylene	54%		14-145%
2051-24-3	Decachlorobiphenyl	46%		10-197%
2051-24-3	Decachlorobiphenyl	50%		10-197%

(a) More than 40 % RPD for detected concentrations between the two GC columns.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP-1		
Lab Sample ID:	JD47845-15	**Date Sampled:**	07/05/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
Method:	SW846 8082A SW846 3546	**Percent Solids:**	77.8
Project:	4th 83rd Street, Pelham, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX2484464.D	1	07/11/22 19:42	CL	07/09/22 10:00	OP40703	GXX7853
Run #2							

	Initial Weight	Final Volume
Run #1	16.0 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	40	19	ug/kg	
11104-28-2	Aroclor 1221	ND	40	25	ug/kg	
11141-16-5	Aroclor 1232	ND	40	26	ug/kg	
53469-21-9	Aroclor 1242	ND	40	16	ug/kg	
12672-29-6	Aroclor 1248	ND	40	36	ug/kg	
11097-69-1	Aroclor 1254	ND	40	22	ug/kg	
11096-82-5	Aroclor 1260	ND	40	17	ug/kg	
11100-14-4	Aroclor 1268	ND	40	17	ug/kg	
37324-23-5	Aroclor 1262	ND	40	26	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	63%		10-163%
877-09-8	Tetrachloro-m-xylene	70%		10-163%
2051-24-3	Decachlorobiphenyl	55%		10-215%
2051-24-3	Decachlorobiphenyl	58%		10-215%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP-1		
Lab Sample ID:	JD47845-15	**Date Sampled:**	07/05/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
		Percent Solids:	77.8
Project:	4th 83rd Street, Pelham, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	8900	62	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Antimony	< 2.5	2.5	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Arsenic	< 2.5	2.5	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Barium	110	25	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Beryllium	0.39	0.25	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Cadmium	< 0.62	0.62	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Calcium	1790	620	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Chromium	15.4	1.2	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Cobalt	< 6.2	6.2	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Copper	10.0	3.1	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Iron	6750	62	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Lead	4.9	2.5	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Magnesium	2030	620	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Manganese	118	1.9	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Mercury	0.089	0.038	mg/kg	1	07/08/22	07/11/22	LM	SW846 7471B [1]	SW846 7471B [4]
Nickel	12.7	5.0	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Potassium	< 1200	1200	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Selenium	< 2.5	2.5	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Silver	< 0.62	0.62	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Sodium	< 1200	1200	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Thallium	< 1.2	1.2	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Vanadium	14.3	6.2	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]
Zinc	63.7	6.2	mg/kg	1	07/08/22	07/09/22	ND	SW846 6010D [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA52698
(2) Instrument QC Batch: MA52704
(3) Prep QC Batch: MP33956
(4) Prep QC Batch: MP33996

RL = Reporting Limit

Report of Analysis

Client Sample ID:	DUP-1		
Lab Sample ID:	JD47845-15	**Date Sampled:**	07/05/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
		Percent Solids:	77.8
Project:	4th 83rd Street, Pelham, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.32	0.32	mg/kg	1	07/11/22 13:34	BR	SW846 9012B/LACHAT
Solids, Percent	77.8		%	1	07/07/22 15:56	BG	SM2540 G 18TH ED MOD

RL = Reporting Limit

Report of Analysis

Client Sample ID:	DUP-1		
Lab Sample ID:	JD47845-15A	**Date Sampled:**	07/05/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	77.8
Project:	4th 83rd Street, Pelham, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	5Q2393.D	1	07/28/22 22:48	AFL	07/18/22 06:30	F:OP92125	F:S5Q39
Run #2							

	Initial Weight	Final Volume
Run #1	2.04 g	1.0 ml
Run #2		

PFAS List

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYLCARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	ND	1.3	0.48	ug/kg	
2706-90-3	Perfluoropentanoic acid	ND	0.63	0.32	ug/kg	
307-24-4	Perfluorohexanoic acid	ND	0.63	0.32	ug/kg	
375-85-9	Perfluoroheptanoic acid	ND	0.63	0.32	ug/kg	
335-67-1	Perfluorooctanoic acid	ND	0.63	0.32	ug/kg	
375-95-1	Perfluorononanoic acid	ND	0.63	0.32	ug/kg	
335-76-2	Perfluorodecanoic acid	ND	0.63	0.32	ug/kg	
2058-94-8	Perfluoroundecanoic acid	ND	0.63	0.32	ug/kg	
307-55-1	Perfluorododecanoic acid	ND	0.63	0.32	ug/kg	
72629-94-8	Perfluorotridecanoic acid	ND	0.63	0.33	ug/kg	
376-06-7	Perfluorotetradecanoic acid	ND	0.63	0.32	ug/kg	
PERFLUOROALKYLSULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.63	0.32	ug/kg	
355-46-4	Perfluorohexanesulfonic acid	ND	0.63	0.32	ug/kg	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.63	0.32	ug/kg	
1763-23-1	Perfluorooctanesulfonic acid	ND	0.63	0.25	ug/kg	
335-77-3	Perfluorodecanesulfonic acid	ND	0.63	0.32	ug/kg	
PERFLUOROOCTANESULFONAMIDES						
754-91-6	PFOSA	ND	0.63	0.32	ug/kg	
PERFLUOROOCTANESULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	1.3	0.63	ug/kg	
2991-50-6	EtFOSAA	ND	1.3	0.63	ug/kg	
FLUOROTELOMER SULFONATES						
27619-97-2	6:2 Fluorotelomer sulfonate	ND	1.3	0.32	ug/kg	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	1.3	0.32	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP-1		
Lab Sample ID:	JD47845-15A	**Date Sampled:**	07/05/22
Matrix:	SO - Soil	**Date Received:**	07/06/22
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	77.8
Project:	4th 83rd Street, Pelham, NY		

PFAS List

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	107%		40-140%
	13C5-PFPeA	106%		50-150%
	13C5-PFHxA	107%		50-150%
	13C4-PFHpA	108%		50-150%
	13C8-PFOA	108%		50-150%
	13C9-PFNA	108%		50-150%
	13C6-PFDA	113%		50-150%
	13C7-PFUnDA	109%		40-140%
	13C2-PFDoDA	104%		40-140%
	13C2-PFTeDA	104%		30-130%
	13C3-PFBS	106%		50-150%
	13C3-PFHxS	107%		50-150%
	13C8-PFOS	108%		50-150%
	13C8-FOSA	116%		30-130%
	d3-MeFOSAA	137%		40-140%
	d5-EtFOSAA	122%		40-140%
	13C2-6:2FTS	104%		50-150%
	13C2-8:2FTS	107%		50-150%

(a) Analysis performed at SGS Orlando, FL.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- Chain of Custody (SGS Orlando, FL)

SGS

SC

CHAIN OF CUSTODY

Initial Assessment 2BSW

Label Verification

Page 1 of 2

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200 FAX: 732-329-3499/3480
www.sgs.com/ehsusa

EHSA-QAC-0023-04-FORM-Standard COC

FED-EX Tracking #

Bottle Order Control # prem-16R-060322-201

SGS Quote #

SGS Job # JD47845

Client / Reporting Information

Company Name: SESI
Street Address: 12 Ampere AVE
City: Pinebrook State: NJ Zip:
Project Contact: MKN E-mail: Mon.Cg-Norton@sesi.org
Phone #: 201-396-7706
Sampler(s) Name(s): Brian Stahl Phone #:

Project Information

Project Name: 12335-Pelham NY
Street: 4th & 3rd Street
City: Pelham State: NY
Project #: 12335
Client Purchase Order #:
Project Manager: Monica Norton

Billing Information (if different from Report to)
Company Name:
Street Address:
City State Zip
Attention:

Requested Analysis

TCL+30/TAL
PFAS
1,4'-Dioxane

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL - Sludge
SED-Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB - Field Blank
EB-Equipment Blank
RB - Rinse Blank
TB - Trip Blank

SGS Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Time	Sampled by	Grab (G) Comp (C)	Source Chlorinated (Y/N)	Matrix	# of bottles	Preserved: HCl	NaOH	HNO_3	H_2SO_4	NONE	DI Water	MEOH	ENCORE	pH Check (Lab Use Only)	LAB USE ONLY
1	SB-14 (1.5-2')		7/6/22	835	BS	G		Soil	6					✓			✓	✓ ✓ ✓	DH7
2	SB-14 (3.5-4')		7/6/22	840					6					✓			✓	✓ ✓ ✓	DH7B
3	SB-12 (7-7.5')		7/6/22	910					6					✓			✓	✓ ✓ ✓	P96
4	SB-12 (3.5-4')		7/6/22	915					6					✓			✓	✓ ✓ ✓	encore
																			14B5
																			4091

Turn Around Time (Business Days)

Approved By (SGS PM): / Date:

- [ ] 10 Business Days
- [ ] 5 Business Days
- [ ] 3 Business Days*
- [ ] 2 Business Days*
- [ ] 1 Business Day*
- [x] Other Standard

All data available via Lablink

* Approval needed for 1-3 Business Day TAT

Deliverable

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] NJ Reduced (Level 3)
- [ ] Full Tier I (Level 4)
- [ ] Commercial "C"
- [ ] NJ DKQP
- [ ] NYASP Category A
- [x] NYASP Category B
- [ ] MA MCP Criteria_____
- [ ] CT RCP Criteria_____
- [ ] State Forms
- [ ] EDD Format _____
- [ ] DOD-QSM5

Commercial "A" = Results only; Commercial "B" = Results + QC Summary
Commercial "C" = Results + QC Summary + Partial Raw data

Comments / Special Instructions

Compare to unrestricted use SCOs and restricted residential SCOs

* 3x5g Encore

http://www.sgs.com/en/terms-and-conditions

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by:	Date / Time:	Received By:	Relinquished By:	Date / Time:	Received By:
1	Brian Stahl	7/6/22	Courier Driver 11	2	7/6 18:04	2
3			3	4		4
5			5	Custody Seal #	Intact / Not intact / Absent	Therm ID: See Sample Receipt Summary	On Ice	Cooler Temp. °C 4.0

5.1.5

CHAIN OF CUSTODY

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200 FAX: 732-329-3499/3480
www.sgs.com/ehsusa

EHSA-QAC-0023-04-FORM-Standard COC

FED-EX Tracking # | Bottle Order Control #
SGS Quote # | SGS Job # JD47845

Client / Reporting Information

Company Name: SESI
Street Address: 12a Maple Ave
City: Pine brook State: NJ Zip: 07058
Project Contact: Monica K. Norton E-mail: Monica.Norton@sgs.com
Phone #: 201-396-7706
Sampler(s) Name(s): Briana Stahl Phone #:

Project Information

Project Name: 12335 - Pelham, NY
Street: 4 Mar 23rd St
City: Pelham State: NY
Project #: 12335
Client Purchase Order #:
Project Manager: Monica Norton

Billing Information (if different from Report to)
Company Name:
Street Address:
City: State: Zip:
Attention:

Requested Analysis

TCL+3D/TAL
PFAS
1,4-Dioxane

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL - Sludge
SED-Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB - Field Blank
EB-Equipment Blank
RB - Rinse Blank
TB - Trip Blank

SGS Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Grab (G) Comp (C)	Source Chlorinated (Y/N)	Matrix	# of bottles	Number of preserved Bottles: HCl	NaOH	HNO_3	H_2SO_4	NONE	DI Water	MEOH	ENCORE	pH Check (Lab Use Only)	LAB USE ONLY
5	SB-11 (5.5-6')		7/5/22	930	BS	G		Soil	6					✓			✓	✓ ✓ ✓	
6	SB-11 (8-8.5')		7/5/22	940					6					✓			✓	✓ ✓ ✓	
7	SB-10 (5-5.5')		7/5/22	950					6					✓			✓	✓ ✓ ✓	
8	SB-10 (7-7.5')		7/5/22	955					6					✓			✓	✓ ✓ ✓	
9	SB-8 (4-4.5')		7/5/22	1135					6					✓			✓	✓ ✓ ✓	
10	SB-8 (6.5-7')		7/5/22	1140					6					✓			✓	✓ ✓ ✓	
11	SB-9 (4-4.5')		7/5/22	1330					6					✓			✓	✓ ✓ ✓	
12	SB-9 (6.5-7')		7/5/22	1340					6					✓			✓	✓ ✓ ✓	
13	SB-13 (2-2.5')		7/5/22	1445					6					✓			✓	✓ ✓ ✓	
14	SB-13 (4-4.5')		7/5/22	1450					6					✓			✓	✓ ✓ ✓	
15	DUP-1		7/5/22						6					✓			✓	✓ ✓ ✓	

Turn Around Time (Business Days)

Approved By (SGS PM): / Date:

- [ ] 10 Business Days
- [ ] 5 Business Days
- [ ] 3 Business Days*
- [ ] 2 Business Days*
- [ ] 1 Business Day*
- [x] Other Standard

All data available via Lablink
* Approval needed for 1-3 Business Day TAT

Deliverable

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] NJ Reduced (Level 3)
- [ ] Full Tier I (Level 4)
- [ ] Commercial "C"
- [ ] NJ DKQP
- [x] NYASP Category A
- [x] NYASP Category B
- [ ] MA MCP Criteria_____
- [ ] CT RCP Criteria_____
- [ ] State Forms
- [ ] EDD Format _____
- [ ] DOD-QSM5

Commercial "A" = Results only; Commercial "B" = Results + QC Summary
Commercial "C" = Results + QC Summary + Partial Raw data

Comments / Special Instructions

Compare to unrestricted use SCOs and restricted residential SCOs
• 3X5g Encore
http://www.sgs.com/en/terms-and-conditions

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by:	Date / Time:	Received By:	Relinquished By:	Date / Time:	Received By:
1	Briana Stahl	7/6/22	Raymond Driver II			
2					7/6 18:04	
3						
4						
5						

Custody Seal # | Intact / Not intact / Absent | Therm ID: | On Ice: X | See Sample Receipt Summary | Cooler Temp. °C: 4.0

SGS Sample Receipt Summary

Job Number: JD47845 **Client:** SESI CONSULTING ENGINEERS **Project:** 12335 PHASE 4

Date / Time Received: 7/6/2022 6:04:00 PM **Delivery Method:** **Airbill #'s:**

Cooler Temps (Raw Measured) °C: Cooler 1: (4.0);

Cooler Temps (Corrected) °C: Cooler 1: (3.7);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	IR Gun		
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	1		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☑	☐
2. Trip Blank listed on COC:	☐		☑	☐
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☐		☐	☑

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Test Strip Lot #s: pH 1-12: 231619 pH 12+: 203117A Other: (Specify)

Comments

SM089-03
Rev. Date 12/7/17

SGS

CHAIN OF CUSTODY

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200 FAX: 732-329-3499/3480
www.sgs.com/ehsusa

FED-EX Tracking #:
Bottle Order Control #:
SGS Quote #:
SGS Job #: JD47845

Client / Reporting Information

Company Name: SGS North America Inc.
Street Address: 2235 Route 130
City: Dayton State: NJ Zip: 08810
Project Contact: E-mail: kelly.ramos@sgs.com
Phone #: 732-329-0200
Sampler(s) Name(s): BS Phone:

Project Information

Project Name: 4th 83rd Street, Pelham, NY
Street:
City: State:
Project #:
Client Purchase Order #:
Project Manager:

Billing Information (if different from Report to)
Company Name:
Street Address:
City: State: Zip:
Attention:

Requested Analysis: LCID537NY21_LCMS+14DAY

Matrix Codes: DW - Drinking Water, GW - Ground Water, WW - Water, SW - Surface Water, SO - Soil, SL- Sludge, SED-Sediment, OI - Oil, LIQ - Other Liquid, AIR - Air, SOL - Other Solid, WP - Wipe, FB - Field Blank, EB-Equipment Blank, RB - Rinse Blank, TB - Trip Blank

SGS Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	HCl	NaOH	HNO_3	H_2SO_4	NONE	DI Water	MEOH	ENCORE	LCID537NY21_LCMS+14DAY	LAB USE ONLY
1A	SB-14 (1.5-2')		7/6/22	8:35:00 AM	BS	SO										X	
2A	SB-14 (3.5-4')		7/6/22	8:40:00 AM	BS	SO										X	
3A	SB-12 (7-7.5')		7/6/22	9:10:00 AM	BS	SO										X	
4A	SB-12 (3.5-4')		7/6/22	9:15:00 AM	BS	SO										X	
5A	SB-11 (5.5-6')		7/5/22	9:30:00 AM	BS	SO										X	
6A	SB-11 (8-8.5')		7/5/22	9:40:00 AM	BS	SO										X	
7A	SB-10 (5-5.5')		7/5/22	9:50:00 AM	BS	SO										X	
8A	SB-10 (7-7.5')		7/5/22	9:55:00 AM	BS	SO										X	
9A	SB-8 (4-4.5')		7/5/22	11:35:00 AM	BS	SO										X	
10A	SB-8 (6.5-7')		7/5/22	11:40:00 AM	BS	SO										X	
11A	SB-9 (4-4.5')		7/5/22	1:30:00 PM	BS	SO										X	
12A	SB-9 (6.5-7')		7/5/22	1:40:00 PM	BS	SO										X	

Turnaround Time (Business days)

- [ ] Standard 10 Business Days
- [ ] 5 Business Days RUSH
- [ ] 3 Business Days RUSH
- [ ] 2 Business Days RUSH
- [ ] 1 Business Day EMERGENCY
- [x] Other 9

Approved By (SGS PM): / Date:

Emergency & Rush T/A data available via Lablink Approval needed for RUSH/Emergency TAT

Data Deliverable Information

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] FULLT1 (Level 3+4)
- [ ] NJ Reduced
- [ ] Commercial "C"
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] State Forms
- [ ] EDD Format
- [x] Other NYASPB

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary
Commercial "C" = Results + QC Summary + Partial Raw data

Comments / Special Instructions

http://www.sgs.com/en/terms-and-conditions

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by:	Date / Time:	Received By:	Relinquished By:	Date / Time:	Received By:
1 [signature]	7/7/22 17:16	1 [signature] 7/8/22 930	2		2
3		3	4		4
5		5	Custody Seal # ☐ Intact ☐ Not intact	Preserved where applicable ☐ Absent ☐ Therm. ID:	On Ice ☐ Cooler Temp. °C

2.6 CJRM

INITIAL ASSESSMENT [signature]

LABEL VERIFICATION ____________

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5.2

5

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SGS Orlando, FL

CHAIN OF CUSTODY

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200 FAX: 732-329-3499/3480
www.sgs.com/ehsusa

FED-EX Tracking #: | Bottle Order Control #:
SGS Quote #: | SGS Job #: JD47845

Client / Reporting Information

Company Name: SGS North America Inc.
Street Address: 2235 Route 130
City: Dayton State: NJ Zip: 08810
Project Contact: kelly.ramos@sgs.com E-mail:
Phone #: 732-329-0200
Sampler(s) Name(s): BS Phone:

Project Information

Project Name: 4th 63rd Street, Pelham, NY
Street:
City: State:
Project #:
Client Purchase Order #:
Project Manager:

Billing Information (if different from Report to)

Company Name:
Street Address:
City: State: Zip:
Attention:

Requested Analysis

SGS Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	Number of preserved Bottles: HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	LCID537NY21, LCNS+14DAY -	LAB USE ONLY
13A	SB-13 (2-2.5')		7/5/22	2:45:00 PM	BS	SO										X	
14A	SB-13 (4-4.5')		7/5/22	2:50:00 PM	BS	SO										X	
15A	DUP-1		7/5/22	12:00:00 AM	BS	SO										X	

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL - Sludge
SED-Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB - Field Blank
EB-Equipment Blank
RB - Rinse Blank
TB - Trip Blank

Turnaround Time (Business days)

Approved By (SGS PM): / Date:

- [ ] Standard 10 Business Days
- [ ] 5 Business Days RUSH
- [ ] 3 Business Days RUSH
- [ ] 2 Business Days RUSH
- [ ] 1 Business Day EMERGENCY
- [X] Other 9

Emergency & Rush T/A data available via Labink. Approval needed for RUSH/Emergency TAT

Data Deliverable Information

- [ ] Commercial "A" (Level 1)
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- [ ] FULLT1 (Level 3+4)
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- [ ] Commercial "C"
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] State Forms
- [ ] EDD Format _____
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Commercial "B" = Results + QC Summary
Commercial "C" = Results + QC Summary + Partial Raw data

Comments / Special Instructions

http://www.sgs.com/en/terms-and-conditions

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by:	Date / Time:	Received By:	Relinquished By:	Date / Time:	Received By:
1		1 7/8/22 930	2		2
3		3	4		4
5		5	Custody Seal #	Intact / Not intact	Preserved where applicable: Absent / Therm ID: / On Ice / Cooler Temp. °C

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JD47845: Chain of Custody
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SGS Sample Receipt Summary

Job Number: JD47845 **Client:** SGS NJ **Project:** 4TH 83RD STREET

Date / Time Received: 7/8/2022 9:30:00 AM **Delivery Method:** FEDEX **Airbill #'s:** 5272 0643 1460

Therm ID: **Therm CF:** **# of Coolers:** N/A

Cooler Temps (Raw Measured) °C:

Cooler Temps (Corrected) °C:

Cooler Information	Y	or	N
1. Custody Seals Present	☑		☐
2. Custody Seals Intact	☑		☐
3. Temp criteria achieved	☐		☐
4. Cooler temp verification	N/A		
5. Cooler media	N/A		

Trip Blank Information	Y	or	N	N/A
1. Trip Blank present / cooler	☐		☐	☑
2. Trip Blank listed on COC	☐		☐	☑

	W	or	S	N/A
3. Type Of TB Received	☐		☐	☑

Sample Information	Y	or	N	N/A
1. Sample labels present on bottles	☑		☐	
2. Samples preserved properly	☑		☐	
3. Sufficient volume/containers recvd for analysis:	☑		☐	
4. Condition of sample	Intact			
5. Sample recvd within HT	☑		☐	
6. Dates/Times/IDs on COC match Sample Label	☑		☐	
7. VOCs have headspace	☐		☐	☑
8. Bottles received for unspecified tests	☐		☑	
9. Compositing instructions clear	☐		☐	☑
10. Voa Soil Kits/Jars received past 48hrs?	☐		☐	☑
11. % Solids Jar received?	☐		☐	☑
12. Residual Chlorine Present?	☐		☐	☑

Misc. Information

Number of Encores: 25-Gram _____ 5-Gram _____ Number of 5035 Field Kits: _____ Number of Lab Filtered Metals: _____

Test Strip Lot #s: pH 0-3 230315 pH 10-12 219813A Other: (Specify) _____ _____

Residual Chlorine Test Strip Lot #: _____

Comments RECEIVED SAMPLES IN GLASS JAR INSTEAD OF PLASTIC JAR FOR PFAS ANALYSIS.

Technician: SAMUELM Date: 7/8/2022 9:30:00 AM Reviewer: _____ Date: _____

SM001
Rev. Date 05/24/17

CSR: Evita Martinez **Response Date:** 7/11/2022

Response: Per NJ, Please proceed

SM001
Rev. Date 05/24/17

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