

### Dayton, NJ

The results set forth herein are provided by SGS North America Inc.

## **Technical Report for**

### **SESI Consulting Engineers**

4th 83rd Street, Pelham, NY

12335

SGS Job Number: JD47860



Sampling Date: 07/06/22

Report to:

**SESI Consulting Engineers** 

jcs@sesi.org

**ATTN: Jonathan Stuart** 

### Total number of pages in report: 53



David Chastain General Manager

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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#### 11/09/22

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## **Sample Summary**

Job No:

JD47860

**SESI Consulting Engineers** 

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

Sample Number	Collected Date	l Time By	Mat Received Cod		Client Sample ID
This report co Organics ND		-	s ND = Not det ed above the MD	ected. The following ap DL	plies:
JD47860-1	07/06/22	15:30 BS	07/06/22 AQ	Ground Water	TW-3
JD47860-1A	07/06/22	15:30 BS	07/06/22 AQ	Ground Water	TW-3
JD47860-2	07/06/22	12:30 BS	07/06/22 AQ	Ground Water	TW-4
JD47860-3	07/06/22	14:50 BS	07/06/22 AQ	Ground Water	TW-7
JD47860-3A	07/06/22	14:50 BS	07/06/22 AQ	Ground Water	TW-7
JD47860-4	07/06/22	15:30 BS	07/06/22 AQ	Trip Blank Water	TB 20220706



### **CASE NARRATIVE / CONFORMANCE SUMMARY**

Client:	SESI Consulting Engineers	Job No:	JD47860
Site:	4th 83rd Street, Pelham, NY	Report Date	8/1/2022 2:49:38 PM

On 07/06/2022, 3 Sample(s), 1 Trip Blank(s) and 0 Field Blank(s) were received at SGS North America Inc. at a maximum corrected temperature of 4.3 C. Samples were intact and chemically preserved, unless noted below. A SGS North America Inc. Job Number of JD47860 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: AQ	Batch ID:	V2A9490
All samples were analyzed within the recommended method holding time.		

- Sample(s) JD47744-22MS, JD47744-22MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- JD47860-3: (pH=3)Sample pH did not satisfy field preservation criteria.
- JD47860-3 for Freon 113: Associated CCV outside of control limits high, sample was ND.
- JD47860-3 for Chloromethane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD47860-4 for Chloromethane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD47860-4 for Freon 113: Associated CCV outside of control limits high, sample was ND.
- JD47860-1 for Chloromethane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD47860-1 for Vinyl chloride: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD47860-4 for Vinyl chloride: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD47860-1 for Freon 113: Associated CCV outside of control limits high, sample was ND.

#### Batch ID: V3D7551

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.

Matrix: AQ

- Sample(s) JD47159-1MS, JD47159-1MSD were used as the QC samples indicated.
- Matrix Spike Recovery(s) for Carbon tetrachloride are outside control limits. Outside control limits due to matrix interference.
- Matrix Spike Duplicate Recovery(s) for Carbon tetrachloride are outside control limits. Probable cause due to matrix interference.
- Matrix Spike Recovery(s) for 1,1,2-Trichloroethane, Chloroform, Tetrachloroethene, Trichloroethene are outside control limits. Outside control limits due to high level in sample relative to spike amount.Outside control limits due to matrix interference.
- JD47860-2 for Methyl Acetate: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD47860-2 for Chloromethane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

#### MS Semi-volatiles By Method EPA 537M BY ID

<ul> <li>The data for EPA 537M BY ID meets quality control requirements.</li> <li>JD47860-3A: Dilution required due to matrix interference (ID recovery standard failure). Analysis performed at SGS Orthogonal Superior Sup</li></ul>		c: AQ Batch I	Matrix:	Γ
	The data for EPA 537M BY ID meets quality control requirements.			-
FL.	•			

- JD47860-1A: Confirmed by re-extraction and reanalysis. Analysis performed at SGS Orlando, FL.
- JD47860-3A: Analysis performed at SGS Orlando, FL.
- JD47860-1A for Perfluorotetradecanoic acid: Associated ID Standard outside control limits.

Matrix: AQ	Batch ID:	F:OP92305
	Datch ID:	1.0192303

The data for EPA 537M BY ID meets quality control requirements.

#### MS Semi-volatiles By Method SW846 8270E

Matrix: AQ	Batch ID:	OP40689
All samples were extracted within the recommended method holding time.		

- All samples were extracted within the recommended method holding t
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD47860-3 have surrogates outside control limits. Probable cause due to matrix interference.
- JD47860-3 for 2-Fluorobiphenyl: Outside of in house control limits.
- JD47860-3 for Nitrobenzene-d5: Outside of in house control limits.
- JD47860-1 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.
- JD47860-3 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.
- JD47860-3 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.
- JD47860-3 for Phenol-d5: Outside of in house control limits.
- JD47860-2 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.
- JD47860-1 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.
- JD47860-2 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.
- OP40689-BSD for Di-n-octyl phthalate: Analytical precision exceeds in-house control limits.
- OP40689-BSD for 4-Bromophenyl phenyl ether: Analytical precision exceeds in-house control limits.

#### MS Semi-volatiles By Method SW846 8270E BY SIM

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	Matrix: AQ	Batch ID:	OP40689A	
	All samples were extracted within the recommended method holding time.			

- All method blanks for this batch meet method specific criteria.
- Sample(s) JD47860-3 have surrogates outside control limits. Probable cause due to matrix interference.
- JD47860-3 for Nitrobenzene-d5: Outside of in house control limits.



#### GC/LC Semi-volatiles By Method SW846 8081B

Matrix: AQ	Batch ID	: OP40684

All samples were extracted within the recommended method holding time.

- Sample(s) JD47860-2, JD47860-3 have compound(s) reported with a "B" qualifier, indicating analyte is found in the associated method blank.
- Sample(s) JD47860-3 have surrogates outside control limits. Probable cause due to matrix interference.
- OP40684-MB1: Detections due to lab contamination.
- JD47860-3 for Decachlorobiphenyl: Outside of in house control limits.

#### GC/LC Semi-volatiles By Method SW846 8082A

Matrix: AQ	Batch ID: OP40685	
A 11 1 / / / 1 //1 /		

- All samples were extracted within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD47860-3 have surrogates outside control limits. Probable cause due to matrix interference.
- OP40685-BSD: Targets double spiked. The recovery re-calclulated based on the spike amount.
- OP40685-BSD for Tetrachloro-m-xylene: Outside of in house control limits.
- JD47860-3 for Decachlorobiphenyl: Outside of in house control limits.

#### Metals Analysis By Method SW846 6010D

Matrix:	AQ	Batch ID: MP33950

- All samples were digested within the recommended method holding time. .
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD47871-1MS, JD47871-1MSD, JD47871-1SDL were used as the QC samples for metals.
- RPD(s) for Serial Dilution for Chromium, Potassium, Selenium, Zinc are outside control limits for sample MP33950-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).
- Samples(s) JD47860-1, JD47860-2, JD47860-3: New York does not offer 3010A certification for antimony and silver. The laboratory is certified for method 3010A (Acid Digestion for Total Metals) for all other metals and is certified for the associated analytical methods of 6010C (ICP Analysis) and 6020A (ICP-MS Analysis). New York does certify for method 3005A (Acid Digestion for Total Recoverable or Dissolved Metals) for antimony and silver and the laboratory holds that certification, but that provides total recoverable rather than total metals results.
- JD47860-2 for Aluminum: Elevated sample detection limit due to difficult sample matrix.
- JD47860-3 for Arsenic: Elevated detection limit due to dilution required for high interfering element.
- JD47860-2 for Lead: Elevated detection limit due to dilution required for high interfering element.
- JD47860-1 for Selenium: Elevated detection limit due to dilution required for high interfering element.
- JD47860-2 for Arsenic: Elevated detection limit due to dilution required for high interfering element.
- JD47860-1 for Arsenic: Elevated detection limit due to dilution required for high interfering element.
- JD47860-2 for Selenium: Elevated detection limit due to dilution required for high interfering element.
- JD47860-1 for Sodium: Elevated detection limit due to dilution required for high interfering element.
- JD47860-1 for Lead: Elevated detection limit due to dilution required for high interfering element.



#### Metals Analysis By Method SW846 7470A

	Matrix: AQ	Batch ID: M	MP34003
- All samples were digested within the recommended method holding time			

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD47860-1MS, JD47860-1MSD were used as the QC samples for metals.
- JD47860-2 for Mercury: Elevated sample detection limit due to limited volume.
- JD47860-3 for Mercury: Elevated sample detection limit due to limited volume.

#### General Chemistry By Method EPA 335.4/LACHAT

Matrix: AQ	Batch ID:	GP41107
All samples were prepared withi	n the recommended metho	d holding time.

- All method blanks for this batch meet method specific criteria.
- Sample(s) LA80503-1DUP, LA80503-1MS were used as the QC samples for Cyanide.
- Matrix Spike Recovery(s) for Cyanide are outside control limits. Spike recovery indicates possible matrix interference.

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:	JD47860
Site:	SESINJPB: 4th 83rd Street, Pelham, NY	Report Date:	8/1/2022 12:02:12 PM

On 07/08/2022, 2 Sample(s), 0 Trip Blank(s) and 0 Field Blank(s) were received at SGS North America Inc - Orlando. at a maximum corrected temperature of 0.8 C. Samples were intact and chemically preserved, unless noted below. A SGS North America Inc. - Orlando Job Number of JD47860 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: AO Batch ID: OP92114 Sample(s) JD47661-2AMS, JD47661-5ADUP were used as the QC samples indicated. Sample(s) JD47860-1A, JD47860-3A have surrogates outside control limits. JD47860-1A for Perfluorotetradecanoic acid: Associated ID Standard outside control limits. JD47860-1A: Confirmed by re-extraction and reanalysis. JD47860-3A for 13C2-PFDoDA: Outside control limits. JD47860-3A for 13C7-PFUnDA: Outside control limits. JD47860-3A: Dilution required due to matrix interference (ID recovery standard failure). Matrix: AQ Batch ID: OP92305 Sample(s) JD47860-1A have surrogates outside control limits. JD47860-1A: 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)





Job Number:	JD47860
Account:	SESI Consulting Engineers
Project:	4th 83rd Street, Pelham, NY
Collected:	07/06/22

Lab Sample ID Client Sample I Analyte	D Result/ Qual	RL	MDL	Units	Method
JD47860-1 TW-3					
		10		a	
Acetone	30.9	10	3.1	ug/l	SW846 8260D
2-Butanone (MEK)	8.0 J	10	6.9	ug/l	SW846 8260D
Acenaphthylene	0.16 J	1.1	0.15	ug/l	SW846 8270E
Benzaldehyde	0.69 J	5.6	0.32	ug/l	SW846 8270E
Benzo(a)anthracene	0.36 J	1.1	0.23	ug/l	SW846 8270E
Benzo(a)pyrene	0.34 J	1.1	0.24	ug/l	SW846 8270E
Benzo(b)fluoranthene	0.23 J	1.1	0.23	ug/l	SW846 8270E
Chrysene	0.30 J	1.1	0.20	ug/l	SW846 8270E
Di-n-butyl phthalate	4.0	2.2	0.55	ug/l	SW846 8270E
Diethyl phthalate	0.29 J	2.2	0.29	ug/l	SW846 8270E
bis(2-Ethylhexyl)phthalate	3.7	2.2	1.8	ug/l	SW846 8270E
Fluoranthene	0.83 J	1.1	0.19	ug/l	SW846 8270E
Phenanthrene	2.6	1.1	0.19	ug/l	SW846 8270E
Pyrene	1.5	1.1	0.24	ug/l	SW846 8270E
Total TIC, Semi-Volatile	204.4 J			ug/l	
Aluminum	2180	200		ug/l	SW846 6010D
Barium	595	200		ug/l	SW846 6010D
Calcium	159000	5000		ug/l	SW846 6010D
Copper	10.7	10		ug/l	SW846 6010D
Iron	30800	100		ug/l	SW846 6010D
Lead <sup>a</sup>	29.1	15		ug/l	SW846 6010D
Magnesium	55700	5000		ug/l	SW846 6010D
Manganese	2580	15		ug/l	SW846 6010D
Nickel	15.8	10		ug/l	SW846 6010D
Potassium	11000	10000		ug/l	SW846 6010D
Sodium <sup>a</sup>	491000	50000		ug/l	SW846 6010D
Zinc	96.4	20		ug/l	SW846 6010D
JD47860-1A TW-3					
Perfluorobutanoic acid <sup>b</sup>	32.9	3.7	1.9	ng/l	EPA 537M BY ID
Perfluoropentanoic acid <sup>b</sup>	74.5	1.9	0.93	ng/l	EPA 537M BY ID
Perfluorohexanoic acid <sup>b</sup>	28.2	1.9	0.93	ng/l	EPA 537M BY ID
Perfluoroheptanoic acid <sup>b</sup>	11.7	1.9	0.93	ng/l	EPA 537M BY ID
Perfluorooctanoic acid <sup>b</sup>	5.2	1.9	0.93	ng/l	EPA 537M BY ID
6:2 Fluorotelomer sulfonate <sup>b</sup>	149	7.4	1.9	ng/l	EPA 537M BY ID
JD47860-2 TW-4					
Acetone	3.4 J	10	3.1	ug/l	SW846 8260D
Benzene	3.8	0.50	0.43	ug/l	SW846 8260D
Toluene	1.2	1.0	0.53	ug/l	SW846 8260D
m,p-Xylene	0.79 J	1.0	0.78	ug/l	SW846 8260D
m,p Ayrene	0.755	1.0	0.70	u5/1	5 WOTO 0400D



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JD47860

Job Number:	JD47860
Account:	SESI Consulting Engineers
Project:	4th 83rd Street, Pelham, NY
Collected:	07/06/22

Lab Sample ID Client Sample ID Analyte	Result/ Qual	RL	MDL	Units	Method
Xylene (total)	0.79 J	1.0	0.59	ug/l	SW846 8260D
Acenaphthene	0.21 J	1.1	0.21	ug/l	SW846 8270E
Acenaphthylene	0.58 J	1.1	0.15	ug/l	SW846 8270E
Acetophenone	0.23 J	2.2	0.23	ug/l	SW846 8270E
Anthracene	0.34 J	1.1	0.23	ug/l	SW846 8270E
Benzaldehyde	0.67 J	5.6	0.32	ug/l	SW846 8270E
Benzo(a)anthracene	0.72 J	1.1	0.23	ug/l	SW846 8270E
Benzo(a)pyrene	0.68 J	1.1	0.24	ug/l	SW846 8270E
Benzo(b)fluoranthene	0.71 J	1.1	0.23	ug/l	SW846 8270E
Benzo(g,h,i)perylene	0.81 J	1.1	0.38	ug/l	SW846 8270E
Benzo(k)fluoranthene	0.38 J	1.1	0.23	ug/l	SW846 8270E
Chrysene	0.95 J	1.1	0.20	ug/l	SW846 8270E
Di-n-butyl phthalate	8.9	2.2	0.55	ug/l	SW846 8270E
bis(2-Ethylhexyl)phthalate	6.8	2.2	1.8	ug/l	SW846 8270E
Fluoranthene	0.96 J	1.1	0.19	ug/l	SW846 8270E
Fluorene	0.28 J	1.1	0.19	ug/l	SW846 8270E
Indeno(1,2,3-cd)pyrene	0.81 J	1.1	0.37	ug/l	SW846 8270E
2-Methylnaphthalene	0.31 J	1.1	0.23	ug/l	SW846 8270E
Naphthalene	0.28 J	1.1	0.26	ug/l	SW846 8270E
N-Nitrosodiphenylamine	0.34 J	5.6	0.25	ug/l	SW846 8270E
Phenanthrene	1.3	1.1	0.19	ug/l	SW846 8270E
Pyrene	1.5	1.1	0.24	ug/l	SW846 8270E
Total TIC, Semi-Volatile	210.2 J			ug/l	
4,4'-DDT	0.012 B	0.0049	0.0034	ug/l	SW846 8081B
Aluminum <sup>c</sup>	125000	400		ug/l	SW846 6010D
Arsenic <sup>a</sup>	58.0	30		ug/l	SW846 6010D
Barium <sup>c</sup>	1780	400		ug/l	SW846 6010D
Beryllium <sup>c</sup>	7.8	2.0		ug/l	SW846 6010D
Cadmium <sup>c</sup>	11.2	6.0		ug/l	SW846 6010D
Calcium <sup>c</sup>	182000	10000		ug/l	SW846 6010D
Chromium <sup>c</sup>	616	20		ug/l	SW846 6010D
Cobalt <sup>c</sup>	120	100		ug/l	SW846 6010D
Copper <sup>c</sup>	607	20		ug/l	SW846 6010D
Iron <sup>c</sup>	269000	200		ug/l	SW846 6010D
Lead <sup>a</sup>	1100	30		ug/l	SW846 6010D
Magnesium <sup>c</sup>	108000	10000		ug/l	SW846 6010D
Manganese <sup>c</sup>	3520	30		ug/l	SW846 6010D
Nickel <sup>c</sup>	376	20		ug/l	SW846 6010D
Potassium <sup>c</sup>	20500	20000		ug/l	SW846 6010D
Sodium <sup>c</sup>	62900	20000		ug/l	SW846 6010D
Vanadium <sup>c</sup>	348	100		ug/l	SW846 6010D
Zinc <sup>c</sup>	1400	40		ug/l	SW846 6010D

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Job Number:	JD47860
Account:	SESI Consulting Engineers
Project:	4th 83rd Street, Pelham, NY
Collected:	07/06/22

Lab Sample ID Client Sample I Analyte	D Result/ Qual	RL	MDL	Units	Method
JD47860-3 TW-7					
Naphthalene	0.23 J	1.0	0.23	ug/l	SW846 8270E
Total TIC, Semi-Volatile	11 J			ug/l	
4,4'-DDT	0.0098 B	0.0048	0.0033	ug/l	SW846 8081B
Aluminum	85700	200		ug/l	SW846 6010D
Arsenic <sup>a</sup>	31.2	15		ug/l	SW846 6010D
Barium	698	200		ug/l	SW846 6010D
Beryllium	4.3	1.0		ug/l	SW846 6010D
Cadmium	5.4	3.0		ug/l	SW846 6010D
Calcium	74100	5000		ug/l	SW846 6010D
Chromium	286	10		ug/l	SW846 6010D
Cobalt	59.9	50		ug/l	SW846 6010D
Copper	328	10		ug/l	SW846 6010D
Iron	120000	100		ug/l	SW846 6010D
Lead <sup>a</sup>	78.0	15		ug/l	SW846 6010D
Magnesium	32900	5000		ug/l	SW846 6010D
Manganese	929	15		ug/l	SW846 6010D
Nickel	228	10		ug/l	SW846 6010D
Potassium	21700	10000		ug/l	SW846 6010D
Selenium <sup>a</sup>	50.6	50		ug/l	SW846 6010D
Silver	10.0	10		ug/l	SW846 6010D
Sodium	1030000	100000		ug/l	SW846 6010D
Vanadium	324	50		ug/l	SW846 6010D
Zinc	336	20		ug/l	SW846 6010D
JD47860-3A TW-7					
Perfluorobutanoic acid <sup>d</sup>	6.7	3.9	2.0	ng/l	EPA 537M BY ID
Perfluoropentanoic acid <sup>d</sup>	8.9	2.0	0.98	ng/l	EPA 537M BY ID
Perfluorohexanoic acid <sup>d</sup>	5.7	2.0	0.98	ng/l	EPA 537M BY ID
Perfluoroheptanoic acid <sup>d</sup>	3.6	2.0	0.98	ng/l	EPA 537M BY ID
Perfluorooctanoic acid <sup>d</sup>	8.2	2.0	0.98	ng/l	EPA 537M BY ID
Perfluorononanoic acid <sup>d</sup>	3.2	2.0	0.98	ng/l	EPA 537M BY ID
Perfluorodecanoic acid <sup>d</sup>	5.2	2.0	0.98	ng/l	EPA 537M BY ID
Perfluorobutanesulfonic acid <sup>d</sup>	7.3	2.0	0.98	ng/l	EPA 537M BY ID
Perfluorohexanesulfonic acid <sup>d</sup>	1.0 J	2.0	0.98	ng/l	EPA 537M BY ID
Perfluorooctanesulfonic acid <sup>d</sup>	18.5	2.0	0.98	ng/l	EPA 537M BY ID

JD47860-4 TB 20220706

No hits reported in this sample.

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

(b) Confirmed by re-extraction and reanalysis. Analysis performed at SGS Orlando, FL.

SGS

Job Number:	JD47860
Account:	SESI Consulting Engineers
Project:	4th 83rd Street, Pelham, NY
Collected:	07/06/22

Lab Sample ID Client Sample ID	Result/				
Analyte	Qual	RL	MDL	Units	Method

(c) Elevated sample detection limit due to difficult sample matrix.

(d) Analysis performed at SGS Orlando, FL.

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Dayton, NJ

Section 4

Sample Results

**Report of Analysis** 



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		<b>Report of Analysis</b>					Page 1 of 2		
Client Sam Lab Sample Matrix: Method: Project:		n, NY			Date	e Sampled: e Received: cent Solids:	07/06/22 07/06/22 n/a		
Run #1 Run #2		Analyzed 17/08/22 19:21	By NH	Prep D n/a	ate	Prep Batc n/a	h Analytical Batch V2A9490		
Run #1 Run #2	Purge Volume 5.0 ml								
VOA TCL	List								
CAS No.	Compound	Result	RL	MDL	Units	Q			
67-64-1	Acetone	30.9	10	3.1	ug/l	-			
71-43-2	Benzene	ND	0.50	0.43	ug/l				
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l				
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l				
75-25-2	Bromoform	ND	1.0	0.63	ug/l				
74-83-9	Bromomethane	ND	2.0	1.6	ug/l				
78-93-3	2-Butanone (MEK)	8.0	10	6.9	ug/l	J			
75-15-0	Carbon disulfide	ND	2.0	0.46	ug/l				
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l				
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l				
75-00-3	Chloroethane	ND	1.0	0.73	ug/l				
67-66-3	Chloroform	ND	1.0	0.50	ug/l				
74-87-3	Chloromethane <sup>a</sup>	ND	1.0	0.76	ug/l				
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l				
96-12-8	1,2-Dibromo-3-chloropropane		2.0	0.53	ug/l				
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l				
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l				
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l				
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l				
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l				
75-71-8	Dichlorodifluoromethane	ND ND	2.0	0.56	ug/l				
75-34-3 107-06-2	1,1-Dichloroethane 1,2-Dichloroethane	ND ND	1.0 1.0	0.57 0.60	ug/l				
107-06-2 75-35-4	1,2-Dichloroethane	ND ND	1.0 1.0	0.60	ug/l				
75-35-4 156-59-2	cis-1,2-Dichloroethene	ND	1.0 1.0	0.59 0.51	ug/l				
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.51	ug/l ug/l				
130-00-3 78-87-5	1,2-Dichloropropane	ND	1.0	0.54 0.51	ug/l				
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.31	ug/l				
10061-01-5		ND	1.0	0.47	ug/l				
10001-02-0	Ethylbenzene	ND	1.0	0.43	ug/l				
	Freon 113 <sup>b</sup>	ND	5.0	0.58	ug/l				
76-13-1									

Page 1 of 9

MDL = Method Detection Limit ND = Not detected

**RL** = **Reporting Limit** 

**B** = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

JD47860



**E** = Indicates value exceeds calibration range

J = Indicates an estimated value

Client Samp Lab Sample Matrix: Method: Project:					Da	te Sam te Reco cent S	eived:	07/06/22 07/06/22 n/a
VOA TCL	List							
CAS No.	Compound	Result	RL	MDL	Units	Q		
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l			
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l			
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l			
1634-04-4	Methyl Tert Butyl Eth	er ND	1.0	0.51	ug/l			
108-10-1	4-Methyl-2-pentanone	(MIBK) ND	5.0	1.9	ug/l			
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l			
100-42-5	Styrene	ND	1.0	0.49	ug/l			
79-34-5	1,1,2,2-Tetrachloroeth	nane ND	1.0	0.65	ug/l			
127-18-4	Tetrachloroethene	ND	1.0	0.90	ug/l			
108-88-3	Toluene	ND	1.0	0.53	ug/l			
87-61-6	1,2,3-Trichlorobenzen	e ND	1.0	0.50	ug/l			
120-82-1	1,2,4-Trichlorobenzen		1.0	0.50	ug/l			
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l			
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l			
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l			
75-69-4	Trichlorofluoromethar		2.0	0.40	ug/l			
75-01-4	Vinyl chloride <sup>a</sup>	ND	1.0	0.79	ug/l			
	m,p-Xylene	ND	1.0	0.78	ug/l			
95-47-6	o-Xylene	ND	1.0	0.59	ug/l			
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l			
CAS No.	Surrogate Recoveries	s Run# 1	Run# 2	Lim	its			
1868-53-7	Dibromofluoromethan	e 106%		80-1	20%			
17060-07-0	1,2-Dichloroethane-D4	4 89%		80-1	20%			
2037-26-5	Toluene-D8	<b>94</b> %		80-1	20%			
460-00-4	4-Bromofluorobenzen	e 93%		82-1	14%			
CAS No.	Tentatively Identified	l Compounds	R.T.	Est.	Conc.	Units	Q	
	Total TIC, Volatile			0		ug/l		

**Report of Analysis** 

(a) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

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

J = Indicates an estimated value

**B** = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

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JD47860

			Report	Report of Analysis					
Client Sam Lab Sampl Matrix: Method: Project:	e ID: JD4786 AQ - G SW846	60-1 round Water 8270E SW4 d Street, Pelh				Date	-	//06/22 //06/22 a	
Run #1 Run #2	File ID P150510.D	DF 1	Analyzed 07/10/22 18:32	By KLS	Prep D 07/09/2	ate 22 15:40	Prep Batch OP40689	Analytical Batch EP6960	
Run #1 Run #2	Initial Volume 900 ml	Final Volu 1.0 ml	ime						
ABN TCL	List (SOM0 1.1)								
CAS No.	Compound		Result	RL	MDL	Units	Q		
95-57-8 59-50-7 120-83-2 105-67-9 51-28-5 534-52-1 95-48-7 88-75-5 100-02-7 87-86-5 108-95-2 58-90-2 95-95-4 88-06-2	2-Chloropheno 4-Chloro-3-me 2,4-Dichloroph 2,4-Dimethylp 2,4-Dinitrophe 4,6-Dinitro-o- 2-Methylpheno 3&4-Methylph 2-Nitrophenol 4-Nitrophenol Pentachlorophe Phenol 2,3,4,6-Tetract 2,4,5-Trichloro	thyl phenol nenol henol nol cresol d enol enol <sup>a</sup> hlorophenol ophenol	ND ND ND ND ND ND ND ND	5.6 5.6 2.2 5.6 5.6 2.2 2.2 2.2 5.6 11 4.4 2.2 5.6 5.6 5.6	0.91 0.99 1.4 2.7 1.7 1.4 0.99 0.98 1.1 1.3 1.5 0.44 1.6 1.5 1.0	ug/l ug/l ug/l ug/l ug/l ug/l ug/l ug/l			
83-32-9 208-96-8 98-86-2 120-12-7 1912-24-9 100-52-7 56-55-3 50-32-8 205-99-2 191-24-2 207-08-9 101-55-3 85-68-7 92-52-4 91-58-7	Acenaphthene Acenaphthylen Acetophenone Anthracene Atrazine Benzaldehyde Benzo(a)anthra Benzo(a)pyrene Benzo(b)fluora Benzo(g,h,i)pe Benzo(k)fluora 4-Bromopheny Butyl benzyl pl 1, 1'-Biphenyl 2-Chloronapht	icene e nthene rylene nthene l phenyl ether hthalate halene	0.16 ND ND 0.69 0.36 0.34 0.23 ND ND ND ND ND ND ND ND ND	1.1 1.1 2.2 1.1 2.2 5.6 1.1 1.1 1.1 1.1 1.1 2.2 2.2 1.1 2.2 1.1 2.2 1.1 2.2 1.1 2.2 1.1 2.2 1.1 1.1	0.21 0.15 0.23 0.23 0.23 0.23 0.23 0.23 0.24 0.23 0.23 0.45 0.51 0.24 0.26	ug/l ug/l ug/l ug/l ug/l ug/l ug/l ug/l	1 1 1 1		
106-47-8 86-74-8	4-Chloroanilin Carbazole		ND	5.6 1.1	0.38 0.25	ug/l ug/l			

ND = Not detected MDL = Method Detection Limit

**RL** = **Reporting Limit** 

**B** = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound



**E** = Indicates value exceeds calibration range

J = Indicates an estimated value

<b>Client Sample ID:</b>	TW-3		
Lab Sample ID:	JD47860-1	Date Sampled:	07/06/22
Matrix:	AQ - Ground Water	Date Received:	07/06/22
Method:	SW846 8270E SW846 3510C	Percent Solids:	n/a
Project:	4th 83rd Street, Pelham, NY		
_			

#### ABN TCL List (SOM0 1.1)

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CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	2.2	0.72	ug/l	
218-01-9	Chrysene	0.30	1.1	0.20	ug/l	J
111-91-1	bis(2-Chloroethoxy)methane	ND	2.2	0.31	ug/l	U U
111-44-4	bis(2-Chloroethyl)ether	ND	2.2	0.28	ug/l	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	2.2	0.45	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.2	0.41	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	1.1	0.61	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	1.1	0.53	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	2.2	0.56	ug/l	
53-70-3	Dibenzo(a, h)anthracene	ND	1.1	0.37	ug/l	
132-64-9	Dibenzofuran	ND	5.6	0.24	ug/l	
84-74-2	Di-n-butyl phthalate	4.0	2.2	0.55	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.2	0.26	ug/l	
84-66-2	Diethyl phthalate	0.29	2.2	0.29	ug/l	J
131-11-3	Dimethyl phthalate	ND	2.2	0.20	ug/l	3
117-81-7	bis(2-Ethylhexyl)phthalate	3.7	2.2	1.8	ug/l	
206-44-0	Fluoranthene	0.83	1.1	0.19	ug/l	J
200 44 0 86-73-7	Fluorene	ND	1.1	0.19	ug/l	3
118-74-1	Hexachlorobenzene	ND	1.1	0.36	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.1	0.55	ug/l	
77-47-4	Hexachlorocyclopentadiene <sup>a</sup>	ND	11	3.1	ug/l	
67-72-1	Hexachloroethane	ND	2.2	0.43	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.1	0.37	ug/l	
135-35-3 78-59-1	Isophorone	ND	2.2	0.31	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.1	0.31	ug/l	
<b>88-74-4</b>	2-Nitroaniline	ND	5.6	0.23	ug/l	
99-09-2	3-Nitroaniline	ND	5.6	0.31	ug/l	
100-01-6	4-Nitroaniline	ND	5.6	0.49	ug/l	
91-20-3	Naphthalene	ND	1.1	0.45	ug/l	
98-95-3	Nitrobenzene	ND	2.2	0.20	ug/l	
621-64-7	Nitroso-di-n-propylamine	ND	2.2	0.71	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.6	0.35	ug/l	
85-01-8	Phenanthrene	2.6	1.1	0.23	ug/l	
129-00-0	Pyrene	1.5	1.1	0.13	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	2.2	0.24	ug/l	
JJ-J4-J	1,2,4,J-190000000000020112	nD	6.6	0.41	ug/1	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limi	its	
367-12-4	2-Fluorophenol	24%		10-7	1%	
4165-62-2	Phenol-d5	18%		10-5	8%	
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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

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JD47860

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Client Sam Lab Sample Matrix: Method: Project:		/846 3510C		Da	te Samj te Rece cent So	ived:	07/06/22 07/06/22 n/a
ABN TCL	List (SOM0 1.1)						
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits			
118-79-6 4165-60-0 321-60-8 1718-51-0	2,4,6-Tribromophenol Nitrobenzene-d5 2-Fluorobiphenyl Terphenyl-d14	47% 54% 51% 38%		22-144% 28-118% 34-116% 10-127%			
CAS No.	Tentatively Identified Co	mpounds	R.T.	Est. Conc.	Units	Q	
143-07-7 544-63-8 57-11-4	unknown unknown Internal standard added for unknown acid unknown acid Internal standard added for Dodecanoic acid Tetradecanoic acid unknown Octadecanoic acid alkane alkane alkane		2.26 4.42 4.48 5.16 5.59 5.86 6.92 8.06 10.91 11.10 11.71 12.29 12.51	5.4 7.6 5.2 8.4 11 9 47 10 6.4 15 7.4 6.3 6	ug/l ug/l ug/l ug/l ug/l ug/l ug/l ug/l	J J J J J N J N J J J J J J	
103-23-1	Hexanedioic acid, bis(2-eth alkane alkane unknown unknown unknown Total TIC, Semi-Volatile	ıylhexyl) este	12.31 12.92 13.28 14.78 15.57 15.84 16.22 17.78	0 23 5.5 6.4 14 5.5 8.5 11 204.4	ug/l ug/l ug/l ug/l ug/l ug/l ug/l ug/l	J J J J J J J J J J	

### **Report of Analysis**

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

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



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SGS

	<b>Report of Analysis</b>						Page 1 of 1		
Client Sam Lab Sampl Matrix: Method: Project:	le ID: JD47860 AQ - G1 SW846					Date Sampled: 07/06/22 Date Received: 07/06/22 Percent Solids: n/a			
Run #1 Run #2	File ID 4M109719.D	DF 1	Analyzed 07/10/22 14:51	By KLS	Prep Date 07/09/22 15:40	Prep Batch OP40689A	Analytical Batch E4M5103		
Run #1 Run #2	Initial Volume 900 ml	Final Vol 1.0 ml	ume						
CAS No.	Compound		Result	RL	MDL Units	Q			
123-91-1	1,4-Dioxane		ND	0.11	0.056 ug/l				
CAS No.	Surrogate Reco	overies	Run# 1	Run# 2	Limits				
4165-60-0 321-60-8 1718-51-0	Nitrobenzene-d 2-Fluorobiphen Terphenyl-d14	•	42% 49% 34%		23-127% 23-114% 10-121%				

ND = Not detected

**RL** = **Reporting Limit** 

MDL = Method Detection Limit

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

4.1 4

SGS

Client Sample ID:	TW-3		
Lab Sample ID:	JD47860-1	Date Sampled:	07/06/22
Matrix:	AQ - Ground Water	Date Received:	07/06/22
		Percent Solids:	n/a
Project:	4th 83rd Street, Pelham, NY		

**Total Metals Analysis** 

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	2180	200	ug/l	1	07/08/22	07/08/22 ND	SW846 6010D <sup>2</sup>	SW846 3010A <sup>4</sup>
Antimony	< 6.0	6.0	ug/l	1	07/08/22	07/08/22 ND	SW846 6010D <sup>2</sup>	SW846 3010A <sup>4</sup>
Arsenic <sup>a</sup>	< 15	15	ug/l	5	07/08/22	07/11/22 ND	SW846 6010D <sup>3</sup>	SW846 3010A <sup>4</sup>
Barium	595	200	ug/l	1	07/08/22	07/08/22 ND	SW846 6010D <sup>2</sup>	SW846 3010A <sup>4</sup>
Beryllium	< 1.0	1.0	ug/l	1	07/08/22	07/08/22 ND	SW846 6010D <sup>2</sup>	SW846 3010A <sup>4</sup>
Cadmium	< 3.0	3.0	ug/l	1	07/08/22	07/08/22 ND	SW846 6010D <sup>2</sup>	SW846 3010A <sup>4</sup>
Calcium	159000	5000	ug/l	1	07/08/22	07/08/22 ND	SW846 6010D <sup>2</sup>	SW846 3010A <sup>4</sup>
Chromium	< 10	10	ug/l	1	07/08/22	07/08/22 ND	SW846 6010D <sup>2</sup>	SW846 3010A <sup>4</sup>
Cobalt	< 50	50	ug/l	1	07/08/22	07/08/22 ND	SW846 6010D <sup>2</sup>	SW846 3010A <sup>4</sup>
Copper	10.7	10	ug/l	1	07/08/22	07/08/22 ND	SW846 6010D <sup>2</sup>	SW846 3010A <sup>4</sup>
Iron	30800	100	ug/l	1	07/08/22	07/08/22 ND	SW846 6010D <sup>2</sup>	SW846 3010A <sup>4</sup>
Lead <sup>a</sup>	29.1	15	ug/l	5	07/08/22	07/11/22 ND	SW846 6010D <sup>3</sup>	SW846 3010A <sup>4</sup>
Magnesium	55700	5000	ug/l	1	07/08/22	07/08/22 ND	SW846 6010D <sup>2</sup>	SW846 3010A <sup>4</sup>
Manganese	2580	15	ug/l	1	07/08/22	07/08/22 ND	SW846 6010D <sup>2</sup>	SW846 3010A <sup>4</sup>
Mercury	< 0.20	0.20	ug/l	1	07/11/22	07/11/22 lm	SW846 7470A <sup>1</sup>	SW846 7470A <sup>5</sup>
Nickel	15.8	10	ug/l	1	07/08/22	07/08/22 ND	SW846 6010D <sup>2</sup>	SW846 3010A <sup>4</sup>
Potassium	11000	10000	ug/l	1	07/08/22	07/08/22 ND	SW846 6010D <sup>2</sup>	SW846 3010A <sup>4</sup>
Selenium <sup>a</sup>	< 50	50	ug/l	5	07/08/22	07/11/22 ND	SW846 6010D <sup>3</sup>	SW846 3010A <sup>4</sup>
Silver	< 10	10	ug/l	1	07/08/22	07/08/22 ND	SW846 6010D <sup>2</sup>	SW846 3010A <sup>4</sup>
Sodium <sup>a</sup>	491000	50000	ug/l	5	07/08/22	07/11/22 ND	SW846 6010D <sup>3</sup>	SW846 3010A <sup>4</sup>
Thallium	< 10	10	ug/l	1	07/08/22	07/08/22 ND	SW846 6010D <sup>2</sup>	SW846 3010A <sup>4</sup>
Vanadium	< 50	50	ug/l	1	07/08/22	07/08/22 ND	SW846 6010D <sup>2</sup>	SW846 3010A <sup>4</sup>
Zinc	96.4	20	ug/l	1	07/08/22	07/08/22 ND	SW846 6010D <sup>2</sup>	SW846 3010A <sup>4</sup>

(1) Instrument QC Batch: MA52700

(2) Instrument QC Batch: MA52704

(3) Instrument QC Batch: MA52711

(4) Prep QC Batch: MP33950

(5) Prep QC Batch: MP34003

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



### SGS LabLink@1149889 16:41 09-Nov-2022

Client Sample ID:TW-3Lab Sample ID:JD47860-1Date Sampled:07/06/22Matrix:AQ - Ground WaterDate Received:07/06/22Project:4th 83rd Street, Pelham, NYPercent Solids:n/a								/06/22
General Chemistry	7							
Analyte		Result	RL	Units	DF	Analyzed	By	Method
Cyanide		< 0.010	0.010	mg/l	1	07/11/22 15:24	BR	EPA 335.4/LACHAT

## **Report of Analysis**

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4.1 **4** 



					-					
Client Sam										
Lab Sample ID: JD47860-1A							1	//06/22		
Matrix: AQ - Ground Water					Date Received: 07/06/22					
Method:	EPA 5	537M BY ID I	EPA 537 MOD			Perc	ent Solids: n/	a		
Project:	4th 83	rd Street, Pelha	m, NY							
	File ID	DF	Analyzed	By	Prep D	ate	Prep Batch	Analytical Batch		
Run #1 <sup>a</sup>	Q92229.D		07/23/22 19:47		-	2 09:00	F:OP92114	F:SQ1992		
Run #2 <sup>a</sup>	Q92268.D		07/25/22 17:05			2 09:00	F:OP92114	F:SQ1993		
Run #3 <sup>b</sup>	Q92486.D		07/29/22 16:01			2 10:02	F:OP92305	F:SQ1997		
	Initial Volume	e Final Volur	ne							
Run #1	270 ml	1.0 ml								
Run #2	270 ml	1.0 ml								
Run #3	250 ml	1.0 ml								
PFAS List										
CAS No.	Compound		Result	RL	MDL	Units	Q			
PERFLUO	ROALKYLCA	RBOXYLIC A	CIDS							
375-22-4	Perfluorobuta	noic acid	32.9	3.7	1.9	ng/l				
2706-90-3	Perfluoropent	anoic acid	74.5	1.9	0.93	ng/l				
307-24-4	Perfluorohexa	noic acid	28.2	1.9	0.93	ng/l				
375-85-9	Perfluorohept	anoic acid	11.7	1.9	0.93	ng/l				
335-67-1	Perfluoroocta	noic acid	5.2	1.9	0.93	ng/l				
375-95-1	Perfluoronona	anoic acid	ND	1.9	0.93	ng/l				
335-76-2	Perfluorodeca	noic acid	ND	1.9	0.93	ng/l				
2058-94-8	Perfluorounde	ecanoic acid	ND	1.9	0.93	ng/l				
307-55-1	Perfluorodode	ecanoic acid	ND <sup>c</sup>	9.3	4.6	ng/l				
72629-94-8	Perfluorotride	ecanoic acid	ND <sup>c</sup>	9.3	4.6	ng/l				
376-06-7	Perfluorotetra	decanoic acid <sup>d</sup>	ND	1.9	0.93	ng/l				
PERFLUO	ROALKYLSU	LFONIC ACII	DS							
375-73-5		nesulfonic acid	ND	1.9	0.93	ng/l				
355-46-4		nesulfonic acid		1.9	0.93	ng/l				
375-92-8		anesulfonic aci		1.9	0.93	ng/l				
1763-23-1		nesulfonic acid	ND	1.9	0.93	ng/l				
335-77-3		nesulfonic acid		1.9	0.93	ng/l				
PERFLUO	ROOCTANES	ULFONAMID	ES							
754-91-6	PFOSA		ND <sup>c</sup>	19	9.3	ng/l				
PERFLUO	ROOCTANES	IILFONAMID	OACETIC AG	IDS						
2355-31-9	MeFOSAA		ND	3.7	1.9	ng/l				
2991-50-6	EtFOSAA		ND	3.7	1.9	ng/l				
FLUOROT	ELOMER SUI	FONATES								
	6:2 Fluorotelo		149	7.4	1.9	ng/l				
		sand sunthill				b/ -				

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



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SGS

Client Sample ID:	TW-3		
Lab Sample ID:	JD47860-1A	Date Sampled:	07/06/22
Matrix:	AQ - Ground Water	Date Received:	07/06/22
Method:	EPA 537M BY ID EPA 537 MOD	Percent Solids:	n/a
Project:	4th 83rd Street, Pelham, NY		

**PFAS List** 

CAS No.	<b>ID Standard Recoveries</b>	Run# 1	Run# 2	Run# 3	Limits
	13C4-PFBA	57%	<b>68</b> %	<b>59</b> %	35-135%
	13C5-PFPeA	57%	74%	61%	<b>50-150%</b>
	13C5-PFHxA	54%	73%	62%	<b>50-150%</b>
	13С4-РҒНрА	61%	83%	<b>70%</b>	<b>50-150%</b>
	13C8-PFOA	63%	83%	75%	<b>50-150%</b>
	13C9-PFNA	64%	<b>87</b> %	75%	<b>50-150%</b>
	13C6-PFDA	76%	<b>81</b> %	67%	<b>50-150%</b>
	13C7-PFUnDA	44%	<b>68</b> %	47%	40-140%
	13C2-PFDoDA	39% <sup>e</sup>	<b>46</b> %	<b>40%</b>	40-140%
	13C2-PFTeDA	27% <sup>e</sup>	26% <sup>e</sup>	10% <sup>e</sup>	30-130%
	13C3-PFBS	<b>62</b> %	<b>85</b> %	<b>69%</b>	<b>50-150%</b>
	13C3-PFHxS	64%	<b>88</b> %	<b>67%</b>	<b>50-150%</b>
	13C8-PFOS	66%	<b>98%</b>	60%	<b>50-150%</b>
	13C8-FOSA	15% e	66%	15% <sup>e</sup>	<b>30-130%</b>
	d3-MeFOSAA	95%	94%	<b>76</b> %	40-140%
	d5-EtFOSAA	63%	94%	55%	40-140%
	13C2-6:2FTS	77%	100%	94%	<b>50-150%</b>
	13C2-8:2FTS	85%	<b>87</b> %	<b>79</b> %	50-150%

(a) Confirmed by re-extraction and reanalysis. Analysis performed at SGS Orlando, FL.

(b) Confirmation run. Analysis performed at SGS Orlando, FL.

(c) Result is from Run# 2

(d) Associated ID Standard outside control limits.

(e) Outside control limits.

J = Indicates an estimated value

**B** = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

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		Report	of Aı	nalysis			Page 1 of 2
Client Sam Lab Sampl Matrix: Method: Project:	-	am, NY			Date	-	7/06/22 7/06/22 'a
Run #1 Run #2		Analyzed 07/11/22 19:49	By NH	Prep D n/a	ate	Prep Batch n/a	Analytical Batch V3D7551
Run #1 Run #2	Purge Volume 5.0 ml						
VOA TCL	List						
CAS No.	Compound	Result	RL	MDL	Units	Q	
67-64-1 71-43-2	Acetone Benzene Brown oblance there	3.4 3.8	10 0.50	3.1 0.43	ug/l ug/l	J	
74-97-5 75-27-4 75-25-2	Bromochloromethane Bromodichloromethane Bromoform	ND ND ND	1.0 1.0 1.0	0.48 0.45 0.63	ug/l ug/l ug/l		
74-83-9 78-93-3 75-15-0	Bromomethane 2-Butanone (MEK) Carbon disulfide	ND ND ND	2.0 10 2.0	1.6 6.9	ug/l ug/l		
75-15-0 56-23-5 108-90-7	Carbon disunde Carbon tetrachloride Chlorobenzene	ND ND ND	2.0 1.0 1.0	0.46 0.55 0.56	ug/l ug/l ug/l		
75-00-3 67-66-3 74-87-3	Chloroethane Chloroform Chloromethane <sup>a</sup>	ND ND ND	1.0 1.0 1.0	0.73 0.50 0.76	ug/l ug/l		
110-82-7 96-12-8	Cyclohexane 1,2-Dibromo-3-chloropropa	ND	1.0 5.0 2.0	0.78 0.53	ug/l ug/l ug/l		
124-48-1 106-93-4	Dibromochloromethane 1,2-Dibromoethane	ND ND	1.0 1.0	0.56 0.48	ug/l ug/l		
95-50-1 541-73-1 106-46-7	1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene	ND ND ND	1.0 1.0 1.0	0.53 0.54 0.51	ug/l ug/l ug/l		
75-71-8 75-34-3	Dichlorodifluoromethane 1,1-Dichloroethane	ND ND	2.0 1.0	0.56 0.57	ug/l ug/l		
107-06-2 75-35-4 156-59-2	1,2-Dichloroethane 1,1-Dichloroethene cis-1,2-Dichloroethene	ND ND ND	1.0 1.0 1.0	0.60 0.59 0.51	ug/l ug/l ug/l		
156-60-5 78-87-5	trans-1,2-Dichloroethene 1,2-Dichloropropane	ND ND	1.0 1.0	0.54 0.51	ug/l ug/l		
10061-01-5 10061-02-6 100-41-4		ND ND ND	1.0 1.0 1.0	0.47 0.43 0.60	ug/l ug/l ug/l		
76-13-1 591-78-6	Freon 113 2-Hexanone	ND ND	5.0 5.0	0.58 2.0	ug/l ug/l		

ND = Not detected MDL = Method Detection Limit

**RL** = **Reporting Limit** 

**B** = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

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JD47860



**E** = Indicates value exceeds calibration range

J = Indicates an estimated value

Client Samı Lab Sample Matrix:	ID:	TW-4 JD47860-2 AQ - Ground Water				Da	te Sam te Rece	ived:	07/06/22 07/06/22	
Method: Project:		SW846 8260D 4th 83rd Street, Pelham	I. NY			Per	rcent S	olids:	n/a	
•			-,							
VOA TCL I	List									
CAS No.	Compo	ound	Result	RL	MDL	Units	s Q			
98-82-8	Isoprop	oylbenzene	ND	1.0	0.65	ug/l				
79-20-9		Acetate <sup>a</sup>	ND	5.0	0.80	ug/l				
108-87-2	Methyl	cyclohexane	ND	5.0	0.60	ug/l				
1634-04-4	Methyl	Tert Butyl Ether	ND	1.0	0.51	ug/l				
108-10-1	4-Meth	yl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l				
75-09-2	Methyl	ene chloride	ND	2.0	1.0	ug/l				
100-42-5	Styrene	9	ND	1.0	0.49	ug/l				
79-34-5	1,1,2,2	-Tetrachloroethane	ND	1.0	0.65	ug/l				
127-18-4	Tetrack	ıloroethene	ND	1.0	0.90	ug/l				
108-88-3	Toluen	e	1.2	1.0	0.53	ug/l				
87-61-6	1,2,3-1	Frichlorobenzene	ND	1.0	0.50	ug/l				
120-82-1	1,2,4-7	Trichlorobenzene	ND	1.0	0.50	ug/l				
71-55-6	1,1,1-1	<b>Frichloroethane</b>	ND	1.0	0.54	ug/l				
79-00-5	1,1,2-1	<b>Trichloroethane</b>	ND	1.0	0.53	ug/l				
79-01-6	Trichlo	roethene	ND	1.0	0.53	ug/l				
75-69-4	Trichlo	rofluoromethane	ND	2.0	0.40	ug/l				
75-01-4	Vinyl c	chloride	ND	1.0	0.79	ug/l				
	m,p-Xy	ylene	0.79	1.0	0.78	ug/l	J			
95-47-6	o-Xyle	ne	ND	1.0	0.59	ug/l				
1330-20-7	Xylene	(total)	0.79	1.0	0.59	ug/l	J			
CAS No.	Surrog	ate Recoveries	Run# 1	Run# 2	Lim	its				
1868-53-7	Dibron	ofluoromethane	95%		80-1	20%				
17060-07-0	1,2-Dio	chloroethane-D4	<b>99</b> %		80-1	20%				
2037-26-5	Toluen	e-D8	100%		80-1	20%				
460-00-4	4-Brom	ofluorobenzene	<b>99</b> %		82-1	14%				
CAS No.	Tentat	ively Identified Compo	ounds	R.T.	Est.	Conc.	Units	Q		
	Total T	IC, Volatile			0		ug/l			

(a) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

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

**4**.3

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		Report	of Ar	alysis			Page 1 of 3
AQ - G SW846	round Water 8270E SW			Received: 07	d: 07/06/22		
File ID P150511.D	DF 1	Analyzed 07/10/22 18:5	By 7 KLS	-		Prep Batch OP40689	Analytical Batch EP6960
Initial Volume 900 ml	Final Volu 1.0 ml	ime					
List (SOM0 1.1)							
Compound		Result	RL	MDL	Units	Q	
4-Chloro-3-me	thyl phenol	ND ND ND	5.6 5.6 2.2	0.91 0.99 1.4	ug/l ug/l ug/l		
2,4-Dinitrophe	nol	ND ND ND	5.6 5.6 5.6	2.7 1.7 1.4	ug/l ug/l ug/l		
3&4-Methylph 2-Nitrophenol		ND ND ND	2.2 2.2 5.6	0.99 0.98 1.1	ug/l ug/l ug/l		
Pentachlorophe Phenol		ND ND	4.4 2.2	1.5 0.44	ug/l ug/l		
2,4,5-Trichloro 2,4,6-Trichloro	ophenol	ND ND	5.6 5.6	1.5 1.0	ug/l ug/l		
Acenaphthylen Acetophenone	e	0.58 0.23	1.1 2.2	0.15 0.23	ug/l ug/l	] J	
Atrazine Benzaldehyde		ND 0.67	2.2 5.6	0.50 0.32	ug/l ug/l	J	
Benzo(a)pyreno Benzo(b)fluora	e nthene	0.68 0.71	1.1 1.1	0.24 0.23	ug/l ug/l	1 1	
Benzo(k)fluora 4-Bromopheny	nthene I phenyl ethe	0.38 r ND	1.1 2.2	0.23 0.45	ug/l ug/l	1 1	
1,1'-Biphenyl 2-Chloronaphtl 4-Chloroaniling	nalene	ND ND ND	1.1 2.2 5.6	0.24 0.26 0.38	ug/l ug/l ug/l		
	e ID: JD4786 AQ - G SW846 4th 83rd File ID P150511.D Initial Volume 900 ml List (SOM0 1.1) Compound 2-Chloropheno 4-Chloro-3-me 2,4-Dichloroph 2,4-Dinitrophenol 2,4-Dinitrophenol 2,4-Dinitrophenol 2,4-Dinitrophenol 4-Nitrophenol 4-Nitrophenol Pentachlorophenol 8&4-Methylphenol 3&4-Methylphenol 2,3,4,6-Tetracl 2,4,5-Trichlorophenol Phenol 2,3,4,6-Tetracl 2,4,5-Trichlorophenol Phenol 2,3,4,6-Tetracl 2,4,5-Trichlorophenol A-Nitrophenol Pentachlorophenol Acenaphthene Acenaphthene Acenaphthylena Acetophenone Anthracene Attrazine Benzaldehyde Benzo(a)anthra Benzo(b)fluora Benzo(b)fluora Benzo(b)fluora Benzo(b)fluora Benzo(b)fluora Benzo(b)fluora Benzo(b)fluora Benzo(b)fluora Benzo(b)fluora Benzo(b)fluora Benzo(b)fluora Benzo(b)fluora Benzo(b)fluora Benzo(b)fluora Benzo(b)fluora	e ID: JD47860-2 AQ - Ground Water SW846 8270E SW3 4th 83rd Street, Pelh File ID DF P150511.D 1 Initial Volume Final Volu 900 ml 1.0 ml List (SOM0 1.1) Compound 2-Chlorophenol 4-Chloro-3-methyl phenol 2,4-Dichlorophenol 2,4-Dinitrophenol 2,4-Dinitrophenol 2,4-Dinitrophenol 3&4-Methylphenol 3&4-Methylphenol 3&4-Methylphenol 2,3,4,6-Tetrachlorophenol 2,3,4,6-Tetrachlorophenol 2,4,5-Trichlorophenol 2,4,5-Trichlorophenol 2,4,6-Trichlorophenol 3,4,6-Trichlorophenol 3,4,6-Trichlorophenol 3,4,6-Trichlorophenol 3,4,6-Trichlorophenol 3,4,6-Trichlorophenol 3,4,6-Trichlorophenol 3,4,6-Trichlorophenol 4,6-Trichlorophenol 4,6-Trichlorophenol	ple ID: TW-4 e ID: JD47860-2 AQ - Ground Water SW846 8270E SW846 3510C 4th 83rd Street, Pelham, NY File ID DF Analyzed P150511.D 1 07/10/22 18:5' Initial Volume Final Volume 900 ml 1.0 ml List (SOM0 1.1) Compound Result 2-Chlorophenol ND 4-Chloro-3-methyl phenol ND 2,4-Dichlorophenol ND 2,4-Dichlorophenol ND 2,4-Dinitrophenol ND 2,4-Tirophenol ND 2-Nitrophenol ND 2-Nitrophenol ND 2-Nitrophenol ND 2,3,4,6-Tetrachlorophenol ND 2,4,5-Trichlorophenol ND 2,4,5-Trichlorophenol ND 2,4,6-Trichlorophenol ND 3,4 4-Tarich ND 3,4 4-Tarich ND 3,4 4-Tarich ND 3,4 4-Tarich ND 3,4 4-Tarich ND 3,4 4-Tarich ND 3,4 4-Chloroaniline ND	ple ID:       TW-4         e ID:       JD47860-2         AQ - Ground Water         SW846 8270E         All         SW846 8270E         SW846 8270E         SW846 8270E         SW846 8270E         SW846 8270E         SW846 8270E         ND         Star         RL         Compound       Result         RL         2-Chlorophenol       ND         Star       ND         Star       Star         Star       ND         Star       Star         Star       Star         Star       ND	e ID: JD47860-2 AQ - Ground Water SW846 8270E SW846 3510C 4th 83rd Street, Pelham, NY File ID DF Analyzed By Prep D P150511.D 1 07/10/22 18:57 KLS 07/09/2 Initial Volume Final Volume 900 ml 1.0 ml List (SOM0 1.1) Compound Result RL MDL 2-Chlorophenol ND 5.6 0.91 4-Chloro-3-methyl phenol ND 5.6 0.99 2,4-Dichlorophenol ND 5.6 1.7 4,6-Dinitro-o-cresol ND 5.6 1.7 4,6-Dinitrophenol ND 5.6 1.7 4,6-Dinitro-o-cresol ND 5.6 1.4 2-Nitrophenol ND 5.6 1.7 4,6-Dinitro-o-cresol ND 5.6 1.1 4-Nitrophenol ND 5.6 1.5 2,4,6-Trichlorophenol ND 5.6 1.6 Acenaphthylene 0.21 1.1 0.21 Acenaphthylene 0.58 1.1 0.15 Acetophenone 0.23 2.2 0.50 Benzaldehyde 0.67 5.6 0.32 Benzo(a)anthracene 0.72 1.1 0.23 Benzo(a)anthracene 0.71 1.1 0.23 Benzo(b)fluoranthene 0.71 1.1 0.23 Benzo(b)fluoranthene 0.71 1.1 0.23 Benzo(b)fluoranthene 0.38 1.1 0.23 4-Bromophenyl phenyl ether ND 2.2 0.50 In 1.1 0.21 Acenaphthylene 0.58 1.1 0.23 4-Bromophenyl phenyl ether ND 2.2 0.51 1.1'-Biphenyl ND 1.1 0.24 2-Chloronaphthalene ND 2.2 0.56 4-Chloronaphthalene	ple ID: TW-4 e ID: JD47860-2 AQ - Ground Water SW846 8270E SW846 3510C 4th 83rd Street, Pelham, NY File ID DF Analyzed By Prep Date P150511.D 1 07/10/22 18:57 KLS 07/09/22 15:40 Initial Volume Final Volume 900 ml 1.0 ml List (SOM0 1.1) Compound Result RL MDL Units 2-Chlorophenol ND 5.6 0.91 ug/l 4-Chloro-3-methyl phenol ND 5.6 0.99 ug/l 2,4-Dinterophenol ND 5.6 1.7 ug/l 2,4-Dinterophenol ND 5.6 1.4 ug/l 2-Methylphenol ND 5.6 1.4 ug/l 2-Methylphenol ND 5.6 1.1 ug/l 2-Methylphenol ND 5.6 1.1 ug/l 2-Nitrophenol ND 5.6 1.1 ug/l 4-Chlorophenol ND 5.6 1.1 ug/l 4-Strichlorophenol ND 5.6 1.1 ug/l 4-Strichlorophenol ND 5.6 1.1 ug/l 4-Strichlorophenol ND 5.6 1.1 ug/l 4-Strichlorophenol ND 5.6 1.5 ug/l 2,4,6-Trichlorophenol ND 5.6 1.5 ug/l 2,4,6-Trichlorophenol ND 5.6 1.0 ug/l Accenaphthene 0.21 1.1 0.21 ug/l Accenaphthene 0.23 2.2 0.33 ug/l Anthracene 0.34 1.1 0.15 ug/l Accenaphthene 0.58 1.1 0.15 ug/l Accenaphthene 0.23 2.2 0.23 ug/l Actrazine ND 2.2 0.50 ug/l Benza(a)nthracene 0.71 1.1 0.23 ug/l Benza(b)fluoranthene 0.71 1.1 0.23 ug/l Benzo(a)pyrene 0.68 1.1 0.24 ug/l Benzo(b)fluoranthene 0.71 1.1 0.23 ug/l Benzo(b)fluoranthene 0.71 1.1 0.23 ug/l Benzo(b)fluoranthene 0.71 1.1 0.24 ug/l	ple ID: TW-4 c ID: JD47860-2 AQ - Ground Water Date Sampled: 07 SW846 8270E SW846 3510C Percent Solids: n/ 4th 83rd Street, Pelham, NY File ID D F Analyzed By Prep Date Prep Batch 07/10/22 18:57 KLS 07/09/22 15:40 OP40689 Initial Volume Final Volume 900 ml 1.0 ml List (SOM0 1.1) Compound Result RL MDL Units Q 2-Chlorophenol ND 5.6 0.91 ug/1 4-Chloro-3-methyl phenol ND 5.6 0.99 ug/1 2.4-Dichlorophenol ND 5.6 1.4 ug/1 2.4-Dichlorophenol ND 5.6 1.4 ug/1 2.4-Dichlorophenol ND 5.6 1.1 ug/1 4.6-Dinitrophenol ND 5.6 1.1 ug/1 2-Nitrophenol ND 5.6 1.1 ug/1 2-Nitrophenol ND 5.6 1.1 ug/1 2-Nitrophenol ND 5.6 1.1 ug/1 4-Nitrophenol ND 2.2 0.98 ug/1 2-Nitrophenol ND 5.6 1.1 ug/1 4-Nitrophenol ND 5.6 1.2 ug/1 4-Nitrophenol ND 2.2 0.44 ug/1 2.4.5-Trichlorophenol ND 5.6 1.5 ug/1 Acetaphenone 0.23 2.2 0.23 ug/1 J Acetaphenone 0.23 2.2 0.23 ug/1 J Acetaphenone 0.23 2.2 0.23 ug/1 J Acetaphenone 0.23 2.2 0.23 ug/1 J Anthracene 0.34 1.1 0.23 ug/1 J Acetaphenone 0.23 2.2 0.23 ug/1 J Anthracene 0.34 1.1 0.23 ug/1 J Acetaphenone 0.23 2.2 0.23 ug/1 J Anthracene 0.34 1.1 0.23 ug/1 J Benzo(a)mbraathene 0.72 1.1 0.23 ug/1 J Benzo(b)mbraathene 0.72 1.1 0.2

MDL = Method Detection Limit ND = Not detected

**RL** = **Reporting Limit** 

**B** = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

**E** = Indicates value exceeds calibration range

J = Indicates an estimated value

Client Sample ID:	TW-4		
Lab Sample ID:	JD47860-2	Date Sampled:	07/06/22
Matrix:	AQ - Ground Water	Date Received:	07/06/22
Method:	SW846 8270E SW846 3510C	Percent Solids:	n/a
Project:	4th 83rd Street, Pelham, NY		

#### ABN TCL List (SOM0 1.1)

L

105-60-2       Caprolactam       ND       2.2       0.72       ug/l         218-01-9       Chrysene       0.95       1.1       0.20       ug/l       J         111-191-1       bis(2-Chloroethoxy)methane       ND       2.2       0.31       ug/l       J         111-44-4       bis(2-Chloroethy)lether       ND       2.2       0.45       ug/l       J         108-60-1       2.2'-Oxybis(1-chloropropane)       ND       2.2       0.41       ug/l       J         7005-72-3       4-Chlorophenyl phenyl ether       ND       2.2       0.41       ug/l       J         91-94-1       3.3'-Dichlorobenzidine       ND       2.2       0.56       ug/l       J         117-84-0       Dienzofuran       ND       5.6       0.24       ug/l       J         84-74-2       Diehenzofuran       ND       2.2       0.26       ug/l       J         117-84-0       Di-n-octyl phthalate       ND       2.2       0.26       ug/l       J         127-44       Bioraditae       ND       2.2       0.24       ug/l       J         131-13       Dimethyl phthalate       ND       2.2       0.24       ug/l       J	CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9       Chrysene       0.95       1.1       0.20       ug/l       J         111-91-1       bis(2-Chloroethoxy)methane       ND       2.2       0.31       ug/l         111-44-4       bis(2-Chloroethyl)ether       ND       2.2       0.28       ug/l         108-60-1       2.2'-Oxybis(1-chloropropane)       ND       2.2       0.41       ug/l         7005-72-3       4-Chlorophenyl phenyl ether       ND       1.1       0.61       ug/l         121-14-2       2.4-Dinitrotoluene       ND       1.1       0.53       ug/l         91-94-1       3.3'-Dichlorobenzidine       ND       2.2       0.56       ug/l         53-70-3       Dibenzo(a,h)anthracene       ND       1.1       0.37       ug/l         132-64-9       Dibenzofuran       ND       2.2       0.56       ug/l         84-74-2       Di-n-otyl phthalate       ND       2.2       0.26       ug/l         117-84-0       Di-n-otyl phthalate       ND       2.2       0.24       ug/l         111-78-7       bis(2-Ethylhexyl)phthalate       6.8       2.2       1.8       ug/l         206-44-0       Fluoranthene       0.96       1.1       0.19       ug/l<	105-60-2	Caprolactam	ND	2.2	0.72	uø/]	
111-91-1       bis(2-Chloroethoxy)methane       ND       2.2       0.31       ug/1         111-44-4       bis(2-Chloroethyl)ether       ND       2.2       0.28       ug/1         108-60-1       2,2'-Oxybis(1-chloropropane)       ND       2.2       0.45       ug/1         108-60-1       2,2'-Oxybis(1-chloropropane)       ND       2.2       0.41       ug/1         121-14-2       2,4-Dinitrotoluene       ND       1.1       0.61       ug/1         121-14-2       2,4-Dinitrotoluene       ND       1.1       0.53       ug/1         53-70-3       Dibenzofuran       ND       5.6       0.24       ug/1         32-64-9       Dibenzofuran       ND       2.2       0.55       ug/1         84-66-2       Diethyl phthalate       ND       2.2       0.26       ug/1         84-66-2       Diethyl phthalate       ND       2.2       0.29       ug/1         117-84-0       Di-n-octyl phthalate       ND       2.2       0.29       ug/1         131-11-3       Dimethyl phthalate       ND       2.2       0.24       ug/1         117-81-7       bis(2-Ethylhexyl)phthalate       6.8       2.2       1.8       ug/1 <tr< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td>J</td></tr<>							J
111-44-4       bis(2-Chloroethyl)ether       ND       2.2       0.28       ug/l         108-60-1       2.2'-Oxybis(1-chloropopane)       ND       2.2       0.45       ug/l         7005-72-3       4-Chlorophenyl phenyl ether       ND       2.2       0.41       ug/l         121-14-2       2.4-Dinitrotoluene       ND       1.1       0.61       ug/l         606-20-2       2.6-Dinitrotoluene       ND       1.1       0.53       ug/l         91-94-1       3,3'-Dichlorobenzidine       ND       2.2       0.56       ug/l         53-70-3       Dibenzo(a,h)anthracene       ND       5.6       0.24       ug/l         84-74-2       Di-n-butyl phthalate       8.9       2.2       0.26       ug/l         84-74-2       Di-n-octyl phthalate       ND       2.2       0.24       ug/l         117-84-0       Di-n-octyl phthalate       ND       2.2       0.24       ug/l         117-81-7       binethyl phthalate       ND       2.2       0.24       ug/l         117-81-7       biorethyl phthalate       ND       1.1       0.19       ug/l       J         86-73-7       Fluorene       0.28       1.1       0.19       ug/l <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>U U</td>							U U
108-60-1       2,2'-Oxybis(1-chloropropane)       ND       2.2       0.45       ug/1         7005-72-3       4-Chlorophenyl phenyl ether       ND       2.2       0.41       ug/1         121-14-2       2,4-Dinitrotoluene       ND       1.1       0.61       ug/1         606-20-2       2,6-Dinitrotoluene       ND       1.1       0.53       ug/1         53-70-3       Dibenzo(a,h)anthracene       ND       1.1       0.37       ug/1         132-64-9       Dibenzofuran       ND       5.6       0.24       ug/1         84-74-2       Di-n-butyl phthalate       ND       2.2       0.26       ug/1         117-84-0       Di-n-octyl phthalate       ND       2.2       0.24       ug/1         117-81-7       bis(2-Ethylhexyl)phthalate       ND       2.2       0.24       ug/1         117-81-7       bis(2-Ethylhexyl)phthalate       6.8       2.2       1.8       ug/1         206-44-0       Fluoranthene       0.96       1.1       0.19       ug/1       J         86-73-7       Fluorene       0.28       1.1       0.36       ug/1         118-74-1       Hexachlorobenzetene       ND       1.1       0.36       ug/1							
7005-72-3       4-Chlorophenyl phenyl ether       ND       2.2       0.41       ug/l         121-14-2       2.4-Dinitrotoluene       ND       1.1       0.61       ug/l         606-20-2       2.6-Dinitrotoluene       ND       1.1       0.53       ug/l         91-94-1       3.3'-Dichlorobenzidine       ND       2.2       0.56       ug/l         53-70-3       Dibenzo(a,h)anthracene       ND       1.1       0.37       ug/l         84-74-2       Di-n-butyl phthalate       8.9       2.2       0.55       ug/l         84-74-2       Di-n-otyl phthalate       ND       2.2       0.29       ug/l         131-11-3       Dimethyl phthalate       ND       2.2       0.29       ug/l         131-11-3       Dimethyl phthalate       ND       2.2       0.24       ug/l         117-84-0       Fluoranthene       0.96       1.1       0.19       ug/l       J         186-73-7       Fluoranthene       0.28       1.1       0.19       ug/l       J         187-68-3       Hexachlorobentadiene       ND       1.1       0.36       ug/l         193-39-5       Indeno(1,2,3-cd)pyrene       0.81       1.1       0.37							
121-14-2       2,4-Dinitrotoluene       ND       1.1       0.61       ug/1         606-20-2       2,6-Dinitrotoluene       ND       1.1       0.53       ug/1         91-94-1       3,3'-Dichlorobenzidine       ND       2.2       0.56       ug/1         53-70-3       Dibenzo(a,h)anthracene       ND       1.1       0.37       ug/1         132-64-9       Dibenzofuran       ND       5.6       0.24       ug/1         84-74-2       Di-n-octyl phthalate       8.9       2.2       0.55       ug/1         117-84-0       Di-n-octyl phthalate       ND       2.2       0.26       ug/1         131-11-3       Dimethyl phthalate       ND       2.2       0.29       ug/1         117-81-7       bis(2-Ethylhexyl)phthalate       6.8       2.2       1.8       ug/1         1266-44-0       Fluoranthene       0.96       1.1       0.19       ug/1       J         86-73-7       Fluorene       0.28       1.1       0.19       ug/1       J         187-64-3       Hexachlorobenzene       ND       1.1       0.36       ug/1         193-39-5       Indeno(1,2,3-cd)pyrene       0.81       1.1       0.37       ug/1							
606-20-2         2,6-Dinitrotoluene         ND         1.1         0.53         ug/l           91-94-1         3,3'-Dichlorobenzidine         ND         2.2         0.56         ug/l           53-70-3         Dibenzo(a, h)anthracene         ND         1.1         0.37         ug/l           132-64-9         Dibenzofuran         ND         5.6         0.24         ug/l           84-74-2         Di-n-octyl phthalate         ND         2.2         0.26         ug/l           117-84-0         Di-n-octyl phthalate         ND         2.2         0.26         ug/l           117-81-7         bis(2-Ethylhexyl)phthalate         ND         2.2         0.24         ug/l           117-81-7         bis(2-Ethylhexyl)phthalate         6.8         2.2         1.8         ug/l           206-44-0         Fluoranthene         0.96         1.1         0.19         ug/l         J           86-73-7         Fluorobenzene         ND         1.1         0.36         ug/l           118-74-1         Hexachlorobetzane         ND         1.1         0.37         ug/l           17-47-4         Hexachlorocthane         ND         2.2         0.43         ug/l           193-39							
91-94-1       3,3'-Dichlorobenzidine       ND       2.2       0.56       ug/l         53-70-3       Dibenzo(a, h)anthracene       ND       1.1       0.37       ug/l         132-64-9       Dibenzofuran       ND       5.6       0.24       ug/l         84-74-2       Di-n-butyl phthalate       8.9       2.2       0.26       ug/l         117-84-0       Di-n-octyl phthalate       ND       2.2       0.24       ug/l         131-11-3       Dimethyl phthalate       ND       2.2       0.24       ug/l         131-11-3       Dimethyl phthalate       ND       2.2       0.24       ug/l         117-81-7       bis(2-Ethylhexyl)phthalate       6.8       2.2       1.8       ug/l         206-44-0       Fluoranthene       0.96       1.1       0.19       ug/l       J         86-73-7       Fluorene       ND       1.1       0.55       ug/l         118-74-1       Hexachlorobutadiene       ND       1.1       0.55       ug/l         17-74-4       Hexachlorocyclopentadiene <sup>a</sup> ND       1.1       0.37       ug/l       J         193-39-5       Indeno(1, 2, 3-cd)pyrene       0.81       1.1       0.37       ug		-					
53-70-3       Dibenzo(a,h)anthracene       ND       1.1       0.37       ug/l         132-64-9       Dibenzofuran       ND       5.6       0.24       ug/l         84-74-2       Di-n-butyl phthalate       8.9       2.2       0.55       ug/l         117-84-0       Di-n-octyl phthalate       ND       2.2       0.26       ug/l         131-13       Dimethyl phthalate       ND       2.2       0.24       ug/l         117-81-7       bis(2-Ethylhexyl)phthalate       6.8       2.2       1.8       ug/l         206-44-0       Fluoranthene       0.96       1.1       0.19       ug/l       J         86-73-7       Fluorene       0.28       1.1       0.19       ug/l       J         118-74-1       Hexachlorobenzene       ND       1.1       0.36       ug/l         193-39-5       Indeno(1,2,3-cd)pyrene       0.81       1.1       0.37       ug/l         193-39-5       Indeno(1,2,3-cd)pyrene       0.81       1.1       0.23       ug/l         91-57-6       2-Methylnaphthalene       0.31       1.1       0.23       ug/l         91-57-6       2-Methylnaphthalene       0.28       1.1       0.26       0.43							
132-64-9       Dibenzofuran       ND       5.6       0.24       ug/l         84-74-2       Di-n-butyl phthalate       8.9       2.2       0.55       ug/l         117-84-0       Di-n-octyl phthalate       ND       2.2       0.26       ug/l         84-66-2       Diethyl phthalate       ND       2.2       0.29       ug/l         131-11-3       Dimethyl phthalate       ND       2.2       0.24       ug/l         117-81-7       bis(2-Ethylhexyl)phthalate       6.8       2.2       1.8       ug/l         206-44-0       Fluoranthene       0.96       1.1       0.19       ug/l       J         86-73-7       Fluorene       0.28       1.1       0.19       ug/l       J         118-74-1       Hexachlorobenzene       ND       1.1       0.36       ug/l         87-68-3       Hexachlorocyclopentadiene <sup>a</sup> ND       1.1       0.55       ug/l         77-47-4       Hexachloroethane       ND       2.2       0.31       ug/l         193-39-5       Indeno(1,2,3-cd)pyrene       0.81       1.1       0.37       ug/l         91-57-6       2-Methylnaphthalene       0.31       1.1       0.23       ug/l							
84-74-2       Di-n-butyl phthalate       8.9       2.2       0.55       ug/l         117-84-0       Di-n-octyl phthalate       ND       2.2       0.26       ug/l         84-66-2       Diethyl phthalate       ND       2.2       0.29       ug/l         131-11-3       Dimethyl phthalate       ND       2.2       0.24       ug/l         117-81-7       bis(2-Ethylhexyl)phthalate       6.8       2.2       1.8       ug/l         206-44-0       Fluoranthene       0.96       1.1       0.19       ug/l       J         86-73-7       Fluorene       ND       1.1       0.36       ug/l       J         87-68-3       Hexachlorobenzene       ND       1.1       0.36       ug/l         87-68-3       Hexachlorocyclopentadiene       ND       1.1       0.37       ug/l         193-39-5       Indeno(1,2,3-cd)pyrene       0.81       1.1       0.37       ug/l         91-57-6       2-Methylnaphthalene       0.31       1.1       0.23       ug/l         91-09-2       3-Nitroaniline       ND       5.6       0.43       ug/l         91-20-3       Naphthalene       0.28       1.1       0.26       ug/l	132-64-9						
117-84-0       Di-n-octyl phthalate       ND       2.2       0.26       ug/l         84-66-2       Diethyl phthalate       ND       2.2       0.29       ug/l         131-11-3       Dimethyl phthalate       ND       2.2       0.24       ug/l         117-81-7       bis(2-Ethylhexyl)phthalate       6.8       2.2       1.8       ug/l         206-44-0       Fluoranthene       0.96       1.1       0.19       ug/l       J         86-73-7       Fluorene       0.28       1.1       0.19       ug/l       J         87-68-3       Hexachlorobenzene       ND       1.1       0.36       ug/l         87-68-3       Hexachlorobutadiene       ND       1.1       0.55       ug/l         77-47-4       Hexachloroethane       ND       2.2       0.43       ug/l         193-39-5       Indeno(1,2,3-cd)pyrene       0.81       1.1       0.37       ug/l         91-57-6       2-Methylnaphthalene       0.31       1.1       0.23       ug/l         91-09-2       3-Nitroaniline       ND       5.6       0.43       ug/l         91-20-3       Naphthalene       0.28       1.1       0.26       ug/l		Di-n-butyl phthalate	8.9	2.2			
84-66-2       Diethyl phthalate       ND       2.2       0.29       ug/l         131-11-3       Dimethyl phthalate       ND       2.2       0.24       ug/l         117-81-7       bis(2-Ethylhexyl)phthalate       6.8       2.2       1.8       ug/l         206-44-0       Fluoranthene       0.96       1.1       0.19       ug/l       J         86-73-7       Fluorene       0.28       1.1       0.19       ug/l       J         118-74-1       Hexachlorobenzene       ND       1.1       0.36       ug/l       J         87-68-3       Hexachlorocyclopentadiene       ND       1.1       0.55       ug/l       J         67-72-1       Hexachlorocyclopentadiene       ND       2.2       0.43       ug/l       J         193-39-5       Indeno(1, 2, 3-cd)pyrene       0.81       1.1       0.37       ug/l       J         91-57-6       2-Methylnaphthalene       0.31       1.1       0.23       ug/l       J         98-75-6       2-Methylnaphthalene       0.31       1.1       0.23       ug/l       J         99-09-2       3-Nitroaniline       ND       5.6       0.43       ug/l       J         98-	117-84-0						
131-11-3       Dimethyl phthalate       ND       2.2       0.24       ug/l         117-81-7       bis(2-Ethylhexyl)phthalate       6.8       2.2       1.8       ug/l         206-44-0       Fluoranthene       0.96       1.1       0.19       ug/l       J         86-73-7       Fluorene       0.28       1.1       0.19       ug/l       J         118-74-1       Hexachlorobenzene       ND       1.1       0.36       ug/l         87-68-3       Hexachlorocyclopentadiene <sup>a</sup> ND       1.1       0.55       ug/l         67-72-1       Hexachlorocyclopentadiene <sup>a</sup> ND       2.2       0.43       ug/l         193-39-5       Indeno(1, 2, 3-cd)pyrene       0.81       1.1       0.37       ug/l       J         91-57-6       2-Methylnaphthalene       0.31       1.1       0.23       ug/l       J         98-97-3       Sophorone       ND       5.6       0.31       ug/l       J         99-09-2       3-Nitroaniline       ND       5.6       0.43       ug/l       J         98-95-3       Nitrobenzene       ND       2.2       0.53       ug/l       J         98-95-3       Nitrobenzene       <	84-66-2		ND	2.2	0.29		
117-81-7       bis(2-Ethylhexyl)phthalate       6.8       2.2       1.8       ug/l         206-44-0       Fluoranthene       0.96       1.1       0.19       ug/l       J         86-73-7       Fluorene       0.28       1.1       0.19       ug/l       J         118-74-1       Hexachlorobenzene       ND       1.1       0.36       ug/l         87-68-3       Hexachlorobutadiene       ND       1.1       0.55       ug/l         77-47-4       Hexachlorocyclopentadiene <sup>a</sup> ND       1.1       0.37       ug/l         67-72-1       Hexachloroethane       ND       2.2       0.43       ug/l         193-39-5       Indeno(1, 2, 3-cd)pyrene       0.81       1.1       0.37       ug/l       J         91-57-6       2-Methylnaphthalene       0.31       1.1       0.23       ug/l       J         98-74-4       2-Nitroaniline       ND       5.6       0.31       ug/l       J         99-09-2       3-Nitroaniline       ND       5.6       0.43       ug/l       J         98-95-3       Nitrobenzene       ND       2.2       0.71       ug/l       J         98-95-3       Nitrobenzene       ND<	131-11-3		ND	2.2	0.24		
206-44-0       Fluoranthene       0.96       1.1       0.19       ug/l       J         86-73-7       Fluorene       0.28       1.1       0.19       ug/l       J         118-74-1       Hexachlorobenzene       ND       1.1       0.36       ug/l       J         87-68-3       Hexachlorobutadiene       ND       1.1       0.55       ug/l       J         77-47-4       Hexachlorocyclopentadiene       ND       11       3.1       ug/l       J         67-72-1       Hexachlorocthane       ND       2.2       0.43       ug/l       J         193-39-5       Indeno(1,2,3-cd)pyrene       0.81       1.1       0.37       ug/l       J         78-59-1       Isophorone       ND       2.2       0.31       ug/l       J         91-57-6       2-Methylnaphthalene       0.31       1.1       0.23       ug/l       J         98-90-2       3-Nitroaniline       ND       5.6       0.43       ug/l       J         91-20-3       Naphthalene       0.28       1.1       0.26       ug/l       J         98-95-3       Nitrobenzene       ND       2.2       0.53       ug/l       J	117-81-7		6.8	2.2	1.8		
86-73-7       Fluorene       0.28       1.1       0.19       ug/l       J         118-74-1       Hexachlorobenzene       ND       1.1       0.36       ug/l         87-68-3       Hexachlorobutadiene       ND       1.1       0.36       ug/l         77-47-4       Hexachlorocyclopentadiene a       ND       11       3.1       ug/l         67-72-1       Hexachloroethane       ND       2.2       0.43       ug/l         193-39-5       Indeno(1,2,3-cd)pyrene       0.81       1.1       0.37       ug/l       J         78-59-1       Isophorone       ND       2.2       0.31       ug/l       J         91-57-6       2-Methylnaphthalene       0.31       1.1       0.23       ug/l       J         98-74-4       2-Nitroaniline       ND       5.6       0.31       ug/l       J         99-09-2       3-Nitroaniline       ND       5.6       0.43       ug/l       J         98-95-3       Nitrobenzene       ND       2.2       0.71       ug/l       J         98-95-3       Nitrobenzene       ND       2.2       0.53       ug/l       J         86-30-6       N-Nitrosodiphenylamine       0.	206-44-0	Fluoranthene	0.96	1.1	0.19		J
87-68-3       Hexachlorobutadiene       ND       1.1       0.55       ug/l         77-47-4       Hexachlorocyclopentadiene       ND       11       3.1       ug/l         67-72-1       Hexachloroethane       ND       2.2       0.43       ug/l         193-39-5       Indeno(1,2,3-cd)pyrene       0.81       1.1       0.37       ug/l       J         78-59-1       Isophorone       ND       2.2       0.31       ug/l       J         91-57-6       2-Methylnaphthalene       0.31       1.1       0.23       ug/l       J         88-74-4       2-Nitroaniline       ND       5.6       0.31       ug/l       J         99-09-2       3-Nitroaniline       ND       5.6       0.43       ug/l       J         91-20-3       Naphthalene       0.28       1.1       0.26       ug/l       J         98-95-3       Nitrobenzene       ND       2.2       0.53       ug/l       J         621-64-7       N-Nitrosodiphenylamine       0.34       5.6       0.25       ug/l       J         86-30-6       N-Nitrosodiphenylamine       0.34       5.6       0.25       ug/l       J         85-01-8       Phe	86-73-7	Fluorene	0.28	1.1	0.19		J
77-47-4       Hexachlorocyclopentadiene <sup>a</sup> ND       11       3.1       ug/l         67-72-1       Hexachloroethane       ND       2.2       0.43       ug/l         193-39-5       Indeno(1,2,3-cd)pyrene       0.81       1.1       0.37       ug/l       J         78-59-1       Isophorone       ND       2.2       0.31       ug/l       J         91-57-6       2-Methylnaphthalene       0.31       1.1       0.23       ug/l       J         88-74-4       2-Nitroaniline       ND       5.6       0.31       ug/l       J         99-09-2       3-Nitroaniline       ND       5.6       0.43       ug/l       J         91-20-3       Naphthalene       0.28       1.1       0.26       ug/l       J         98-95-3       Nitrobenzene       ND       2.2       0.71       ug/l       G         621-64-7       N-Nitroso-di-n-propylamine       ND       2.2       0.53       ug/l       J         86-30-6       N-Nitrosodiphenylamine       0.34       5.6       0.25       ug/l       J         85-01-8       Phenanthrene       1.3       1.1       0.19       ug/l       J         95-94-3 </td <td>118-74-1</td> <td>Hexachlorobenzene</td> <td>ND</td> <td>1.1</td> <td>0.36</td> <td>ug/l</td> <td></td>	118-74-1	Hexachlorobenzene	ND	1.1	0.36	ug/l	
67-72-1       Hexachloroethane       ND       2.2       0.43       ug/l         193-39-5       Indeno(1,2,3-cd)pyrene       0.81       1.1       0.37       ug/l       J         78-59-1       Isophorone       ND       2.2       0.31       ug/l       J         91-57-6       2-Methylnaphthalene       0.31       1.1       0.23       ug/l       J         88-74-4       2-Nitroaniline       ND       5.6       0.31       ug/l       J         99-09-2       3-Nitroaniline       ND       5.6       0.43       ug/l       J         91-20-3       Naphthalene       0.28       1.1       0.26       ug/l       J         98-95-3       Nitrobenzene       ND       2.2       0.71       ug/l       J         621-64-7       N-Nitroso-di-n-propylamine       ND       2.2       0.53       ug/l       J         86-30-6       N-Nitrosodiphenylamine       0.34       5.6       0.25       ug/l       J         85-01-8       Phenanthrene       1.3       1.1       0.19       ug/l       J         95-94-3       1,2,4,5-Tetrachlorobenzene       ND       2.2       0.41       ug/l         95-94-3 <td>87-68-3</td> <td>Hexachlorobutadiene</td> <td>ND</td> <td>1.1</td> <td>0.55</td> <td>ug/l</td> <td></td>	87-68-3	Hexachlorobutadiene	ND	1.1	0.55	ug/l	
193-39-5       Indeno(1,2,3-cd)pyrene       0.81       1.1       0.37       ug/l       J         78-59-1       Isophorone       ND       2.2       0.31       ug/l       J         91-57-6       2-Methylnaphthalene       0.31       1.1       0.23       ug/l       J         88-74-4       2-Nitroaniline       ND       5.6       0.31       ug/l       J         99-09-2       3-Nitroaniline       ND       5.6       0.43       ug/l       J         91-57-6       2-Methylnaphthalene       ND       5.6       0.43       ug/l       J         99-09-2       3-Nitroaniline       ND       5.6       0.43       ug/l       J         91-20-3       Naphthalene       0.28       1.1       0.26       ug/l       J         98-95-3       Nitrobenzene       ND       2.2       0.71       ug/l       Ug/l       J         621-64-7       N-Nitrosodiphenylamine       ND       2.2       0.53       ug/l       J         86-30-6       N-Nitrosodiphenylamine       0.34       5.6       0.25       ug/l       J         85-01-8       Phenanthrene       1.3       1.1       0.19       ug/l       J <td>77-47-4</td> <td>Hexachlorocyclopentadiene <sup>a</sup></td> <td>ND</td> <td>11</td> <td>3.1</td> <td>ug/l</td> <td></td>	77-47-4	Hexachlorocyclopentadiene <sup>a</sup>	ND	11	3.1	ug/l	
78-59-1       Isophorone       ND       2.2       0.31       ug/l         91-57-6       2-Methylnaphthalene       0.31       1.1       0.23       ug/l       J         88-74-4       2-Nitroaniline       ND       5.6       0.31       ug/l       J         99-09-2       3-Nitroaniline       ND       5.6       0.43       ug/l       J         91-20-3       Naphthalene       0.28       1.1       0.26       ug/l       J         98-95-3       Nitrobenzene       ND       2.2       0.71       ug/l       J         621-64-7       N-Nitroso-di-n-propylamine       ND       2.2       0.53       ug/l       J         86-30-6       N-Nitrosodiphenylamine       0.34       5.6       0.25       ug/l       J         86-30-6       N-Nitrosodiphenylamine       1.3       1.1       0.19       ug/l       J         85-01-8       Phenanthrene       1.3       1.1       0.24       ug/l       J         95-94-3       1,2,4,5-Tetrachlorobenzene       ND       2.2       0.41       ug/l         CAS No.       Surrogate Recoveries       Run#1       Run#2       Limits         367-12-4       2-Fluorophenol	67-72-1	Hexachloroethane	ND	2.2	0.43	ug/l	
91-57-6       2-Methylnaphthalene       0.31       1.1       0.23       ug/l       J         88-74-4       2-Nitroaniline       ND       5.6       0.31       ug/l         99-09-2       3-Nitroaniline       ND       5.6       0.43       ug/l         100-01-6       4-Nitroaniline       ND       5.6       0.43       ug/l         91-20-3       Naphthalene       0.28       1.1       0.26       ug/l       J         98-95-3       Nitrobenzene       ND       2.2       0.71       ug/l       G         621-64-7       N-Nitroso-di-n-propylamine       ND       2.2       0.53       ug/l       J         86-30-6       N-Nitrosodiphenylamine       0.34       5.6       0.25       ug/l       J         85-01-8       Phenanthrene       1.3       1.1       0.19       ug/l       1         129-00-0       Pyrene       1.5       1.1       0.24       ug/l       9         5-94-3       1,2,4,5-Tetrachlorobenzene       ND       2.2       0.41       ug/l         S67-12-4       2-Fluorophenol       27%       10-71%       10-71%	193-39-5	Indeno(1,2,3-cd)pyrene	0.81	1.1	0.37	ug/l	J
88-74-4       2-Nitroaniline       ND       5.6       0.31       ug/l         99-09-2       3-Nitroaniline       ND       5.6       0.43       ug/l         100-01-6       4-Nitroaniline       ND       5.6       0.43       ug/l         91-20-3       Naphthalene       0.28       1.1       0.26       ug/l       J         98-95-3       Nitrobenzene       ND       2.2       0.71       ug/l       G         621-64-7       N-Nitroso-di-n-propylamine       ND       2.2       0.53       ug/l         86-30-6       N-Nitrosodiphenylamine       0.34       5.6       0.25       ug/l       J         85-01-8       Phenanthrene       1.3       1.1       0.19       ug/l       J         129-00-0       Pyrene       1.5       1.1       0.24       ug/l       J         95-94-3       1,2,4,5-Tetrachlorobenzene       ND       2.2       0.41       ug/l         CAS No.       Surrogate Recoveries       Run#1       Run#2       Limits         367-12-4       2-Fluorophenol       27%       10-71%	78-59-1	Isophorone	ND	2.2	0.31	ug/l	
99-09-2       3-Nitroaniline       ND       5.6       0.43       ug/l         100-01-6       4-Nitroaniline       ND       5.6       0.49       ug/l         91-20-3       Naphthalene       0.28       1.1       0.26       ug/l       J         98-95-3       Nitrobenzene       ND       2.2       0.71       ug/l       J         621-64-7       N-Nitroso-di-n-propylamine       ND       2.2       0.53       ug/l         86-30-6       N-Nitrosodiphenylamine       0.34       5.6       0.25       ug/l       J         85-01-8       Phenanthrene       1.3       1.1       0.19       ug/l       J         129-00-0       Pyrene       1.5       1.1       0.24       ug/l       J         95-94-3       1,2,4,5-Tetrachlorobenzene       ND       2.2       0.41       ug/l         CAS No.         Surrogate Recoveries       Run#1       Run#2       Limits         367-12-4       2-Fluorophenol       27%       10-71%	91-57-6		0.31	1.1	0.23	ug/l	J
100-01-6       4-Nitroaniline       ND       5.6       0.49       ug/l         91-20-3       Naphthalene       0.28       1.1       0.26       ug/l       J         98-95-3       Nitrobenzene       ND       2.2       0.71       ug/l       J         621-64-7       N-Nitroso-di-n-propylamine       ND       2.2       0.53       ug/l       J         86-30-6       N-Nitrosodiphenylamine       0.34       5.6       0.25       ug/l       J         85-01-8       Phenanthrene       1.3       1.1       0.19       ug/l       J         85-01-8       Phenanthrene       1.3       1.1       0.19       ug/l       J         85-01-8       Phenanthrene       1.3       1.1       0.19       ug/l       J         95-94-3       1,2,4,5-Tetrachlorobenzene       ND       2.2       0.41       ug/l       J         CAS No.       Surrogate Recoveries       Run#1       Run#2       Limits       J         367-12-4       2-Fluorophenol       27%       10-71%       J	88-74-4		ND	5.6	0.31	ug/l	
91-20-3       Naphthalene       0.28       1.1       0.26       ug/l       J         98-95-3       Nitrobenzene       ND       2.2       0.71       ug/l         621-64-7       N-Nitroso-di-n-propylamine       ND       2.2       0.53       ug/l         86-30-6       N-Nitrosodiphenylamine       0.34       5.6       0.25       ug/l       J         85-01-8       Phenanthrene       1.3       1.1       0.19       ug/l       J         129-00-0       Pyrene       1.5       1.1       0.24       ug/l       J         95-94-3       1,2,4,5-Tetrachlorobenzene       ND       2.2       0.41       ug/l       J         CAS No.       Surrogate Recoveries       Run#1       Run#2       Limits         367-12-4       2-Fluorophenol       27%       10-71%	99-09-2	3-Nitroaniline	ND	5.6	0.43	ug/l	
98-95-3       Nitrobenzene       ND       2.2       0.71       ug/l         621-64-7       N-Nitroso-di-n-propylamine       ND       2.2       0.53       ug/l         86-30-6       N-Nitrosodiphenylamine       0.34       5.6       0.25       ug/l       J         85-01-8       Phenanthrene       1.3       1.1       0.19       ug/l         129-00-0       Pyrene       1.5       1.1       0.24       ug/l         95-94-3       1,2,4,5-Tetrachlorobenzene       ND       2.2       0.41       ug/l         CAS No.         Surrogate Recoveries       Run#1       Run#2       Limits         367-12-4       2-Fluorophenol       27%       10-71%			ND	5.6			
621-64-7       N-Nitroso-di-n-propylamine       ND       2.2       0.53       ug/l         86-30-6       N-Nitrosodiphenylamine       0.34       5.6       0.25       ug/l       J         85-01-8       Phenanthrene       1.3       1.1       0.19       ug/l         129-00-0       Pyrene       1.5       1.1       0.24       ug/l         95-94-3       1,2,4,5-Tetrachlorobenzene       ND       2.2       0.41       ug/l         CAS No.         Surrogate Recoveries       Run#1       Run#2       Limits         367-12-4       2-Fluorophenol       27%       10-71%	91-20-3		0.28	1.1	0.26	ug/l	J
86-30-6       N-Nitrosodiphenylamine       0.34       5.6       0.25       ug/l       J         85-01-8       Phenanthrene       1.3       1.1       0.19       ug/l         129-00-0       Pyrene       1.5       1.1       0.24       ug/l         95-94-3       1,2,4,5-Tetrachlorobenzene       ND       2.2       0.41       ug/l         CAS No.       Surrogate Recoveries       Run#1       Run#2       Limits         367-12-4       2-Fluorophenol       27%       10-71%	98-95-3						
85-01-8       Phenanthrene       1.3       1.1       0.19       ug/l         129-00-0       Pyrene       1.5       1.1       0.24       ug/l         95-94-3       1,2,4,5-Tetrachlorobenzene       ND       2.2       0.41       ug/l         CAS No.       Surrogate Recoveries       Run# 1       Run# 2       Limits         367-12-4       2-Fluorophenol       27%       10-71%	621-64-7				0.53		
129-00-0       Pyrene       1.5       1.1       0.24       ug/l         95-94-3       1,2,4,5-Tetrachlorobenzene       ND       2.2       0.41       ug/l         CAS No.       Surrogate Recoveries       Run# 1       Run# 2       Limits         367-12-4       2-Fluorophenol       27%       10-71%	86-30-6			5.6	0.25		J
95-94-31,2,4,5-TetrachlorobenzeneND2.20.41ug/lCAS No.Surrogate RecoveriesRun#1Run#2Limits367-12-42-Fluorophenol27%10-71%				1.1			
CAS No.Surrogate RecoveriesRun# 1Run# 2Limits367-12-42-Fluorophenol27%10-71%							
367-12-4 2-Fluorophenol 27% 10-71%	95-94-3	1,2,4,5-Tetrachlorobenzene	ND	2.2	0.41	ug/l	
	CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limi	ts	
4165-62-2 Phenol-d5 17% 10-58%	367-12-4						
	4165-62-2	Phenol-d5	17%		10-5	8%	

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

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Client Samp Lab Sample Matrix: Method: Project:				Da	te Samj te Rece rcent So	eived:	07/06/22 07/06/22 n/a
ABN TCL	List (SOM0 1.1)						
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits			
118-79-6 4165-60-0 321-60-8 1718-51-0	2, 4, 6-Tribromophenol Nitrobenzene-d5 2-Fluorobiphenyl Terphenyl-d14	58% 65% 66% 62%		22-144% 28-118% 34-116% 10-127%			
CAS No.	Tentatively Identified Comp	ounds	R.T.	Est. Conc.	Units	Q	
57-11-4 103-23-1	unknown Ethanol, -(2-butoxyethoxy)- Octadecanoic acid unknown alkane alkane Hexanedioic acid, bis(2-ethyl	hevvl) este	4.42 5.24 11.11 11.51 11.72 12.51 12.92	12 9.6 16 7.6 11 20 34	ug/l ug/l ug/l ug/l ug/l ug/l ug/l	J J J J J J JN	
103-23-1	alkane alkane alkane alkane unknown unknown unknown unknown Total TIC, Semi-Volatile	nexyl) este	12.32 13.30 13.76 14.79 15.53 15.58 16.07 16.23 17.79	13 11 8.3 7.7 19 11 10 20 210.2	ug/l ug/l ug/l ug/l ug/l ug/l ug/l ug/l	1 1 1 1 1 1 1 1 1 1 1 1	

### **Report of Analysis**

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

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



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SGS

			Report	of Ana	alysis		Page 1 of 1
Client Sample ID: TW-4 Lab Sample ID: JD47860-2 Matrix: AQ - Ground Water Method: SW846 8270E BY SIM SW846 3510 Project: 4th 83rd Street, Pelham, NY					Da Da Per	7/06/22 7/06/22 /a	
Run #1 Run #2	File ID 4M109720.D	DF 1	Analyzed 07/10/22 15:13	By KLS	Prep Date 07/09/22 15:40	Prep Batch ) OP40689A	Analytical Batch E4M5103
Run #1 Run #2	Initial Volume 900 ml	Final Volu 1.0 ml	ume				
CAS No.	Compound		Result	RL	MDL Units	5 Q	
123-91-1	1,4-Dioxane		ND	0.11	0.056 ug/l		
CAS No.	Surrogate Rec	overies	Run# 1	Run# 2	Limits		
4165-60-0 321-60-8 1718-51-0	Nitrobenzene-d 2-Fluorobipher Terphenyl-d14	iyl	49% 63% 54%		23-127% 23-114% 10-121%		

ND = Not detected

**RL** = **Reporting Limit** 

MDL = Method Detection Limit

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

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			Keport	a1y515		Page 1 of 1		
Client Samp Lab Sample Matrix: Method: Project:	AQ - Gi SW846	846 3510C ham, NY			-	7/06/22 7/06/22 a		
Run #1 Run #2	File ID 1G177933.D	DF 1	Analyzed 07/11/22 19:10	By TL	Prep Da 07/08/2		Prep Batch OP40684	Analytical Batch G1G6174
	Initial Volume 1020 ml	Final Volu 5.0 ml	ıme					
Pesticide T	CL List							
CAS No.	Compound		Result	RL	MDL	Units	Q	
309-00-2	Aldrin		ND	0.0049	0.0025	ug/l		
319-84-6	alpha-BHC		ND	0.0049	0.0025	ug/l		
319-85-7	beta-BHC		ND	0.0049	0.0039	ug/l		
319-86-8	delta-BHC		ND	0.0049	0.0032	ug/l		
58-89-9	gamma-BHC (I		ND	0.0049	0.0029	ug/l		
5103-71-9	alpha-Chlordan		ND	0.0049	0.0024	ug/l		
5103-74-2	gamma-Chlorda	ane	ND	0.0049	0.0021	ug/l		
60-57-1	Dieldrin		ND	0.0049	0.0038	ug/l		
72-54-8	4,4'-DDD		ND	0.0049	0.0028	ug/l		
72-55-9	4,4'-DDE		ND	0.0049	0.0025	ug/l	D	
50-29-3	4,4'-DDT		0.012	0.0049	0.0034	ug/l	В	
72-20-8	Endrin	<b>G</b> _4.	ND	0.0049	0.0030	ug/l		
1031-07-8	Endosulfan sulf		ND	0.0049	0.0027	ug/l		
7421-93-4	Endrin aldehyd	e	ND	0.0049	0.0033	ug/l		
53494-70-5	Endrin ketone		ND	0.0049	0.0030	ug/l		
959-98-8	Endosulfan-I Endosulfan-II		ND ND	0.0049	0.0026	ug/l		
33213-65-9 76-44-8	Heptachlor		ND	0.0049 0.0049	0.0024 0.0022	ug/l		
70-44-0 1024-57-3	Heptachlor epo	vida	ND	0.0049	0.0022	ug/l		
1024-57-5 72-43-5	Methoxychlor	AIUU	ND	0.0049	0.0029	ug/l ug/l		
72-43-5 8001-35-2	Toxaphene		ND	0.0058	0.0033	ug/l		
CAS No.	Surrogate Reco	overies	Run# 1	Run# 2	Limi	its		
877-09-8	Tetrachloro-m-	xylene	81%		10-1	90%		
877-09-8	Tetrachloro-m-		119%		10-1			
2051-24-3	Decachlorobiph		<b>29</b> %		10-1			
2051-24-3	Decachlorobiph		21%		10-1			

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

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			Keport	UI AII	ai y 515			Page 1 of
Client Sam Lab Sample Matrix: Method: Project:	e ID: JD4786 AQ - G SW846	0-2 round Water 8082A SW d Street, Pell	/846 3510C			Date		7/06/22 7/06/22 /a
Run #1 Run #2	File ID XX2484430.D	DF 1	Analyzed 07/11/22 07:56	By 5 TL	Prep D 07/08/2	ate 2 09:50	Prep Batch OP40685	Analytical Batch GXX7852
Run #1 Run #2	Initial Volume 1020 ml	Final Volu 5.0 ml	ume					
PCB List								
CAS No.	Compound		Result	RL	MDL	Units	Q	
12674-11-2 11104-28-2 11141-16-5 53469-21-9 12672-29-6 11097-69-1 11096-82-5 11100-14-4 37324-23-5	Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260 Aroclor 1268 Aroclor 1262		ND ND ND ND ND ND ND ND	0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25	0.096 0.21 0.13 0.11 0.062 0.20 0.075 0.085 0.095	ug/l ug/l ug/l ug/l ug/l ug/l ug/l ug/l		
CAS No.	Surrogate Rec	overies	Run# 1	Run# 2	Lim	its		
877-09-8 877-09-8 2051-24-3 2051-24-3	Tetrachloro-m- Tetrachloro-m- Decachlorobipl Decachlorobipl	xylene henyl	87% 105% 19% 24%		10-1 10-1	74% 74% 51% 51%		

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

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Client Sample ID:			
Lab Sample ID:	JD47860-2	Date Sampled:	07/06/22
Matrix:	AQ - Ground Water	Date Received:	07/06/22
		Percent Solids:	n/a
Project:	4th 83rd Street, Pelham, NY		

**Total Metals Analysis** 

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum <sup>a</sup>	125000	400	ug/l	1	07/08/22	07/08/22 ND	SW846 6010D <sup>2</sup>	SW846 3010A <sup>4</sup>
Antimony <sup>a</sup>	< 12	12	ug/l	1	07/08/22	07/08/22 ND	SW846 6010D <sup>2</sup>	SW846 3010A <sup>4</sup>
Arsenic <sup>Ď</sup>	58.0	30	ug/l	5	07/08/22	07/11/22 ND	SW846 6010D <sup>3</sup>	SW846 3010A <sup>4</sup>
Barium <sup>a</sup>	1780	400	ug/l	1	07/08/22	07/08/22 ND	SW846 6010D <sup>2</sup>	SW846 3010A <sup>4</sup>
Beryllium <sup>a</sup>	7.8	2.0	ug/l	1	07/08/22	07/08/22 ND	SW846 6010D <sup>2</sup>	SW846 3010A <sup>4</sup>
Cadmium <sup>a</sup>	11.2	6.0	ug/l	1	07/08/22	07/08/22 ND	SW846 6010D <sup>2</sup>	SW846 3010A <sup>4</sup>
Calcium <sup>a</sup>	182000	10000	ug/l	1	07/08/22	07/08/22 ND	SW846 6010D <sup>2</sup>	SW846 3010A <sup>4</sup>
Chromium <sup>a</sup>	616	20	ug/l	1	07/08/22	07/08/22 ND	SW846 6010D <sup>2</sup>	SW846 3010A <sup>4</sup>
Cobalt <sup>a</sup>	120	100	ug/l	1	07/08/22	07/08/22 ND	SW846 6010D <sup>2</sup>	SW846 3010A <sup>4</sup>
Copper <sup>a</sup>	607	20	ug/l	1	07/08/22	07/08/22 ND	SW846 6010D <sup>2</sup>	SW846 3010A <sup>4</sup>
Iron <sup>a</sup>	269000	200	ug/l	1	07/08/22	07/08/22 ND	SW846 6010D <sup>2</sup>	SW846 3010A <sup>4</sup>
Lead <sup>b</sup>	1100	30	ug/l	5	07/08/22	<b>07/11/22</b> ND	SW846 6010D <sup>3</sup>	SW846 3010A <sup>4</sup>
Magnesium <sup>a</sup>	108000	10000	ug/l	1	07/08/22	07/08/22 ND	SW846 6010D <sup>2</sup>	SW846 3010A <sup>4</sup>
Manganese <sup>a</sup>	3520	30	ug/l	1	07/08/22	07/08/22 ND	SW846 6010D <sup>2</sup>	SW846 3010A <sup>4</sup>
Mercury <sup>c</sup>	< 1.2	1.2	ug/l	1	07/11/22	07/11/22 lm	SW846 7470A <sup>1</sup>	SW846 7470A <sup>5</sup>
Nickel <sup>a</sup>	376	20	ug/l	1	07/08/22	07/08/22 ND	SW846 6010D <sup>2</sup>	SW846 3010A <sup>4</sup>
Potassium <sup>a</sup>	20500	20000	ug/l	1	07/08/22	07/08/22 ND	SW846 6010D <sup>2</sup>	SW846 3010A <sup>4</sup>
Selenium <sup>b</sup>	< 100	100	ug/l	5	07/08/22	<b>07/11/22</b> ND	SW846 6010D <sup>3</sup>	SW846 3010A <sup>4</sup>
Silver <sup>a</sup>	< 20	20	ug/l	1	07/08/22	07/08/22 ND	SW846 6010D <sup>2</sup>	SW846 3010A <sup>4</sup>
Sodium <sup>a</sup>	62900	20000	ug/l	1	07/08/22	07/08/22 ND	SW846 6010D <sup>2</sup>	SW846 3010A <sup>4</sup>
Thallium <sup>a</sup>	< 20	20	ug/l	1	07/08/22	07/08/22 ND	SW846 6010D <sup>2</sup>	SW846 3010A <sup>4</sup>
Vanadium <sup>a</sup>	348	100	ug/l	1	07/08/22	07/08/22 ND	SW846 6010D <sup>2</sup>	SW846 3010A <sup>4</sup>
Zinc <sup>a</sup>	1400	40	ug/l	1	07/08/22	07/08/22 ND	SW846 6010D <sup>2</sup>	SW846 3010A <sup>4</sup>

(1) Instrument QC Batch: MA52700

(2) Instrument QC Batch: MA52704

(3) Instrument QC Batch: MA52711

(4) Prep QC Batch: MP33950

(5) Prep QC Batch: MP34003

(a) Elevated sample detection limit due to difficult sample matrix.

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

(c) Elevated sample detection limit due to limited volume.

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### SGS LabLink@1149889 16:41 09-Nov-2022

Client Sample ID: Lab Sample ID: Matrix: Project:	·	-2 ound Water Street, Pelhan	n, NY			Date Sampled Date Received Percent Solids	: 07	
General Chemistry	7							
Analyte		Result	RL	Units	DF	Analyzed	By	Method
Cyanide		< 0.010	0.010	mg/l	1	07/11/22 15:27	BR	EPA 335.4/LACHAT

## **Report of Analysis**

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4.3

4



		Report	of Aı	nalysis			Page 1 of 2
Client Sam Lab Sampl Matrix: Method: Project:	-	m, NY			Date	1	7/06/22 7/06/22 a
Run #1 <sup>a</sup> Run #2		Analyzed 07/08/22 20:19	By 9 NH	Prep D n/a	ate	Prep Batch n/a	Analytical Batch V2A9490
Run #1 Run #2	Purge Volume 5.0 ml						
VOA TCL	List						
CAS No.	Compound	Result	RL	MDL	Units	Q	
67-64-1 71-43-2	Acetone Benzene	ND ND	10 0.50	3.1 0.43	ug/l ug/l		
74-97-5 75-27-4	Bromochloromethane Bromodichloromethane	ND ND	1.0 1.0	0.48 0.45	ug/l ug/l		
75-25-2 74-83-9 78-93-3	Bromoform Bromomethane 2-Butanone (MEK)	ND ND ND	1.0 2.0 10	0.63 1.6 6.9	ug/l ug/l ug/l		
75-15-0 56-23-5	Carbon disulfide Carbon tetrachloride	ND ND	2.0 1.0	0.3 0.46 0.55	ug/l ug/l		
108-90-7 75-00-3	Chlorobenzene Chloroethane	ND ND	1.0 1.0	0.56 0.73	ug/l ug/l		
67-66-3 74-87-3	Chloroform Chloromethane <sup>b</sup>	ND ND	1.0 1.0	0.50 0.76	ug/l ug/l		
110-82-7 96-12-8	Cyclohexane 1,2-Dibromo-3-chloropropan		5.0 2.0	0.78 0.53	ug/l ug/l		
124-48-1 106-93-4 95-50-1	Dibromochloromethane 1,2-Dibromoethane 1,2-Dichlorobenzene	ND ND ND	1.0 1.0 1.0	0.56 0.48 0.53	ug/l ug/l ug/l		
541-73-1 106-46-7	1,3-Dichlorobenzene 1,4-Dichlorobenzene	ND ND	1.0 1.0 1.0	0.54 0.51	ug/l ug/l		
75-71-8 75-34-3	Dichlorodifluoromethane 1,1-Dichloroethane	ND ND	2.0 1.0	0.56 0.57	ug/l ug/l		
107-06-2 75-35-4	1,2-Dichloroethane 1,1-Dichloroethene	ND ND	1.0 1.0	0.60 0.59	ug/l ug/l		
156-59-2 156-60-5	cis-1,2-Dichloroethene trans-1,2-Dichloroethene	ND ND	1.0 1.0	0.51 0.54	ug/l ug/l		
78-87-5 10061-01-5 10061-02-6		ND ND ND	1.0 1.0 1.0	0.51 0.47 0.43	ug/l ug/l ug/l		
100-41-4 76-13-1 591-78-6	Ethylbenzene Freon 113 <sup>c</sup> 2-Hexanone	ND ND ND	1.0 5.0 5.0	0.60 0.58 2.0	ug/l ug/l ug/l		

ND = Not detected MDL = Method Detection Limit

**RL** = **Reporting Limit** 

 $\mathbf{B} = \mathbf{Indicates}$  analyte found in associated method blank

N = Indicates presumptive evidence of a compound

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JD47860

**E** = Indicates value exceeds calibration range

J = Indicates an estimated value

Client Sample ID:TW-7Lab Sample ID:JD47860-3Matrix:AQ - Ground WaterMethod:SW846 8260DProject:4th 83rd Street, Pelham		n, NY			Dat	te Samp te Recei rcent So	07/06/22 07/06/22 n/a	
VOA TCL I	List							
CAS No.	Compound	Result	RL	MDL	Units	Q		
98-82-8 79-20-9 108-87-2 1634-04-4 108-10-1 75-09-2 100-42-5 79-34-5 127-18-4 108-88-3 87-61-6 120-82-1 71-55-6 79-00-5 79-01-6 75-69-4 75-01-4	Isopropylbenzene Methyl Acetate Methylcyclohexane Methyl Tert Butyl Ether 4-Methyl-2-pentanone(MIBK) Methylene chloride Styrene 1,1,2,2-Tetrachloroethane Tetrachloroethene Toluene 1,2,3-Trichlorobenzene 1,2,4-Trichlorobenzene 1,1,1-Trichloroethane 1,1,2-Trichloroethane Trichloroethene Trichloroethene Trichlorofluoromethane Vinyl chloride <sup>b</sup> m,p-Xylene	ND ND ND ND ND ND ND ND ND ND ND ND ND N	$ \begin{array}{c} 1.0\\ 5.0\\ 5.0\\ 1.0\\ 5.0\\ 2.0\\ 1.0\\ 1.0\\ 1.0\\ 1.0\\ 1.0\\ 1.0\\ 1.0\\ 1$	$\begin{array}{c} 0.65\\ 0.80\\ 0.60\\ 0.51\\ 1.9\\ 1.0\\ 0.49\\ 0.65\\ 0.90\\ 0.53\\ 0.50\\ 0.50\\ 0.54\\ 0.53\\ 0.53\\ 0.53\\ 0.40\\ 0.79\\ 0.78 \end{array}$	ug/l ug/l ug/l ug/l ug/l ug/l ug/l ug/l			
95-47-6 1330-20-7	o-Xylene Xylene (total)	ND ND	1.0 1.0	0.59 0.59	ug/l ug/l			
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Lim	its			
1868-53-7 17060-07-0 2037-26-5 460-00-4	Dibromofluoromethane 1,2-Dichloroethane-D4 Toluene-D8 4-Bromofluorobenzene	105% 89% 95% 93%		80-120% 80-120% 80-120% 82-114%				
CAS No.	Tentatively Identified Compounds		R.T.	Est.	Conc.	Units	Q	
	Total TIC, Volatile			0		ug/l		

(a) (pH=3)Sample pH did not satisfy field preservation criteria.

(b) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

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

J = Indicates an estimated value

**B** = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound



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JD47860

			Page 1 of 3							
Client Sam Lab Sampl Matrix: Method: Project:	le ID: JD4786 AQ - G SW846					Date Sampled: 07/06/22 Date Received: 07/06/22 Percent Solids: n/a				
Run #1 Run #2	File ID P150512.D	DF 1	Analyzed 07/10/22 19:22	By 2 KLS	Prep Date 07/09/22 15:40		Prep Batch OP40689	Analytical Batch EP6960		
Run #1 Run #2	Initial Volume 1000 ml	Final Volu 1.0 ml	ıme							
ABN TCL	List (SOM0 1.1)									
CAS No.	Compound		Result	RL	MDL	Units	Q			
95-57-8 59-50-7 120-83-2	2-Chloropheno 4-Chloro-3-me 2,4-Dichloroph	thyl phenol	ND ND ND	5.0 5.0 2.0	0.82 0.89 1.3	ug/l ug/l				
105-67-9 51-28-5	2,4-Dimethylpl 2,4-Dinitrophe	nenol nol	ND ND	5.0 5.0	2.4 1.6	ug/l ug/l ug/l				
534-52-1 95-48-7	4,6-Dinitro-o-c 2-Methylpheno 3&4-Methylpho	1	ND ND ND	5.0 2.0 2.0	1.3 0.89 0.88	ug/l ug/l ug/l				
88-75-5 100-02-7	2-Nitrophenol 4-Nitrophenol		ND ND ND	5.0 10	0.96 1.2	ug/l ug/l				
87-86-5 108-95-2 58-90-2	Phenol	Pentachlorophenol <sup>a</sup> Phenol 2,3,4,6-Tetrachlorophenol		4.0 2.0 5.0	1.4 0.39 1.5	ug/l ug/l ug/l				
95-95-4 88-06-2 83-32-9		2,4,5-Trichlorophenol 2,4,6-Trichlorophenol Accommuthene		5.0 5.0 1.0	1.3 0.92 0.19	ug/l ug/l ug/l				
208-96-8 98-86-2	Acenaphthylen Acetophenone	Acenaphthylene		1.0 2.0	0.14 0.21	ug/l ug/l				
120-12-7 1912-24-9 100-52-7	Anthracene Atrazine Benzaldehyde		ND ND ND	1.0 2.0 5.0	0.21 0.45 0.29	ug/l ug/l ug/l				
56-55-3 50-32-8	Benzo(a)anthra Benzo(a)pyrene	Benzo(a)anthracene Benzo(a)pyrene		1.0 1.0	0.20 0.21	ug/l ug/l				
205-99-2 191-24-2 207-08-9	Benzo(b)fluoranthene Benzo(g,h,i)perylene Benzo(k)fluoranthene		ND ND ND	1.0 1.0 1.0	0.21 0.34 0.21	ug/l ug/l ug/l				
101-55-3 85-68-7 92-52-4	4-Bromopheny Butyl benzyl pł 1,1'-Biphenyl	l phenyl ethe		2.0 2.0 1.0	0.40 0.46 0.21	ug/l ug/l ug/l				
91-58-7 106-47-8 86-74-8	2-Chloronaphth 4-Chloroaniline Carbazole		ND ND ND	2.0 5.0 1.0	0.24 0.34 0.23	ug/l ug/l ug/l				

MDL = Method Detection Limit ND = Not detected

**RL** = **Reporting Limit** 

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound



**E** = Indicates value exceeds calibration range

J = Indicates an estimated value

Client Sample ID:	TW-7		
Lab Sample ID:	JD47860-3	Date Sampled:	07/06/22
Matrix:	AQ - Ground Water	Date Received:	07/06/22
Method:	SW846 8270E SW846 3510C	Percent Solids:	n/a
Project:	4th 83rd Street, Pelham, NY		

#### ABN TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	2.0	0.65	ug/l	
218-01-9	Chrysene	ND	1.0	0.18	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.28	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.25	ug/l	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	2.0	0.40	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.37	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	1.0	0.55	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	1.0	0.48	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	2.0	0.51	ug/l	
53-70-3	Dibenzo(a, h)anthracene	ND	1.0	0.33	ug/l	
132-64-9	Dibenzofuran	ND	5.0	0.22	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.50	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.23	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.26	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.22	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	1.7	ug/l	
206-44-0	Fluoranthene	ND	1.0	0.17	ug/l	
86-73-7	Fluorene	ND	1.0	0.17	ug/l	
118-74-1	Hexachlorobenzene	ND	1.0	0.33	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.49	ug/l	
77-47-4	Hexachlorocyclopentadiene <sup>a</sup>	ND	10	2.8	ug/l	
67-72-1	Hexachloroethane	ND	2.0	0.39	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.0	0.33	ug/l	
78-59-1	Isophorone	ND	2.0	0.28	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.0	0.21	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	0.28	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.39	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0.44	ug/l	
91-20-3	Naphthalene	0.23	1.0	0.23	ug/l	J
98-95-3	Nitrobenzene	ND	2.0	0.64	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.48	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.22	ug/l	
85-01-8	Phenanthrene	ND	1.0	0.18	ug/l	
129-00-0	Pyrene	ND	1.0	0.22	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	2.0	0.37	ug/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limi	its	
367-12-4	2-Fluorophenol	10%		10-7	1%	
4165-62-2	Phenol-d5	7% <sup>b</sup>		10-5	8%	

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



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Client Sam Lab Sample Matrix: Method: Project:	1	Date Sampled:07/06/22Date Received:07/06/22Percent Solids:n/a					
ABN TCL	List (SOM0 1.1)						
CAS No.	AS No. Surrogate Recoveries Run# 1		Run# 2	Limits			
118-79-6 4165-60-0 321-60-8 1718-51-0	2,4,6-Tribromophenol Nitrobenzene-d5 2-Fluorobiphenyl Terphenyl-d14	22% 27% b 27% b 19%		22-144% 28-118% 34-116% 10-127%			
CAS No.	Tentatively Identified Con	npounds	R.T.	Est. Conc.	Units	Q	
143-07-7	Internal standard added for Dodecanoic acid Internal standard added for Internal standard added for Internal standard added for Total TIC, Semi-Volatile	4.48 6.90 7.18 10.49 16.48	4.1 11 4.5 4.6 4.7 11	ug/l ug/l ug/l ug/l ug/l ug/l	J JN J J J J		

**Report of Analysis** 

(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) Outside of in house control limits.

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

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		Керон	u1 y 515		1 age 1 01 1				
	nod: SW846 8270E BY SIM SW846 3510C				Date Sampled: 07/06/22 Date Received: 07/06/22 Percent Solids: n/a				
Run #1 Run #2	File ID D 4M109721.D 1	OF Analyzed 07/10/22 15:35	By 5 KLS	Prep D 07/09/2	ate 2 15:40	Prep Batch OP40689A	Analytical Batch E4M5103		
Run #1 Run #2		inal Volume .0 ml							
CAS No.	Compound	Result	RL	MDL	Units	Q			
123-91-1	1,4-Dioxane	ND	0.10	0.050	ug/l				
CAS No.	Surrogate Recove	eries Run# 1	Run# 2	Lim	its				
4165-60-0 321-60-8 1718-51-0	Nitrobenzene-d5 2-Fluorobiphenyl Terphenyl-d14	22% <sup>a</sup> 27% 17%		23-1	27% 14% 21%				

(a) Outside of in house control limits.

ND = Not detected MDL = Method Detection Limit

**RL** = **Reporting Limit** 

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

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4.4 **4** 

**E** = Indicates value exceeds calibration range

	<b>Report of Analysis</b>								
Client Sample ID: TW-7 Lab Sample ID: JD47860-3 Matrix: AQ - Ground Water Method: SW846 8081B SW846 3510C Project: 4th 83rd Street, Pelham, NY					Date Sampled: 07/06/22 Date Received: 07/06/22 Percent Solids: n/a				
Run #1 Run #2	File ID 1G177934.D	DF 1	Analyzed 07/11/22 19:28	By TL	Prep Da 07/08/23		Prep Batch OP40684	Analytical Batch G1G6174	
Run #1 Run #2	Initial Volume 1040 ml	Final Volu 5.0 ml	ume						
Pesticide T	CL List								
CAS No.	Compound		Result	RL	MDL	Units	Q		
309-00-2 319-84-6 319-85-7 319-86-8 58-89-9 5103-71-9 5103-74-2 60-57-1 72-54-8 72-55-9 50-29-3 72-20-8 1031-07-8 7421-93-4 53494-70-5 959-98-8 33213-65-9 76-44-8 1024-57-3 72-43-5 8001-35-2	Aldrin alpha-BHC beta-BHC delta-BHC gamma-BHC (I alpha-Chlordan gamma-Chlorda Dieldrin 4,4'-DDD 4,4'-DDT Endrin Endosulfan sulf Endrin aldehyd Endrin ketone Endosulfan-I Endosulfan-I Heptachlor Heptachlor epo Methoxychlor Toxaphene	e ane `ate e	ND ND ND ND ND ND ND ND ND ND ND ND ND N	0.0048 0.0048	0.0025 0.0025 0.0038 0.0029 0.0024 0.0020 0.0037 0.0028 0.0024 0.0033 0.0029 0.0026 0.0032 0.0025 0.0023 0.0025 0.0022 0.0022 0.0029 0.0022 0.0029 0.0032 0.0032	ug/l ug/l ug/l ug/l ug/l ug/l ug/l ug/l	В		
CAS No.	Surrogate Reco	overies	Run# 1	Run# 2	Limi				
877-09-8 877-09-8 2051-24-3 2051-24-3	Tetrachloro-m- Tetrachloro-m- Decachlorobiph Decachlorobiph	xylene 1enyl	84% 87% 12% 9% <sup>a</sup>		10-19 10-19 10-13 10-13	90% 56%			

(a) Outside of in house control limits.

**RL** = **Reporting Limit** 

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound





**E** = Indicates value exceeds calibration range

	Report of Analysis						Page 1 of 1	
Client Sam Lab Sample Matrix: Method: Project:	e ID: JD4786 AQ - Gi SW846	0-3 round Water 8082A SW l Street, Pel	/846 3510C			Date	-	7/06/22 7/06/22 a
Run #1 Run #2	File ID XX2484431.D	DF 1	Analyzed 07/11/22 08:13	By TL	Prep D 07/08/2	ate 2 09:50	Prep Batch OP40685	Analytical Batch GXX7852
Run #1 Run #2	Initial Volume 1040 ml	Final Volt 5.0 ml	ume					
PCB List								
CAS No.	Compound		Result	RL	MDL	Units	Q	
12674-11-2 11104-28-2 11141-16-5 53469-21-9 12672-29-6 11097-69-1 11096-82-5 11100-14-4 37324-23-5	Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260 Aroclor 1268 Aroclor 1262		ND ND ND ND ND ND ND ND	0.24 0.24 0.24 0.24 0.24 0.24 0.24 0.24	0.094 0.20 0.12 0.11 0.061 0.20 0.073 0.083 0.093	ug/l ug/l ug/l ug/l ug/l ug/l ug/l ug/l		
CAS No.	Surrogate Rec	overies	Run# 1	Run# 2	Lim	its		
877-09-8 877-09-8 2051-24-3 2051-24-3	Tetrachloro-m- Tetrachloro-m- Decachlorobipl Decachlorobipl	xylene 1enyl	87% 108% 8% <sup>a</sup> 11%		10-1 10-1	74% 74% 51% 51%		

(a) Outside of in house control limits.

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

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Client Sample ID:			
Lab Sample ID:	JD47860-3	Date Sampled:	07/06/22
Matrix:	AQ - Ground Water	Date Received:	07/06/22
		Percent Solids:	n/a
Project:	4th 83rd Street, Pelham, NY		

**Total Metals Analysis** 

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	85700	200	ug/l	1	07/08/22	07/08/22 ND	SW846 6010D <sup>2</sup>	SW846 3010A <sup>5</sup>
Antimony	< 6.0	6.0	ug/l	1	07/08/22	07/08/22 ND	SW846 6010D <sup>2</sup>	SW846 3010A <sup>5</sup>
Arsenic <sup>a</sup>	31.2	15	ug/l	5	07/08/22	07/11/22 ND	SW846 6010D <sup>3</sup>	SW846 3010A <sup>5</sup>
Barium	698	200	ug/l	1	07/08/22	07/08/22 ND	SW846 6010D <sup>2</sup>	SW846 3010A <sup>5</sup>
Beryllium	4.3	1.0	ug/l	1	07/08/22	07/08/22 ND	SW846 6010D <sup>2</sup>	SW846 3010A <sup>5</sup>
Cadmium	5.4	3.0	ug/l	1	07/08/22	07/08/22 ND	SW846 6010D <sup>2</sup>	SW846 3010A <sup>5</sup>
Calcium	74100	5000	ug/l	1	07/08/22	07/08/22 ND	SW846 6010D <sup>2</sup>	SW846 3010A <sup>5</sup>
Chromium	286	10	ug/l	1	07/08/22	07/08/22 ND	SW846 6010D <sup>2</sup>	SW846 3010A <sup>5</sup>
Cobalt	59.9	50	ug/l	1	07/08/22	07/08/22 ND	SW846 6010D <sup>2</sup>	SW846 3010A <sup>5</sup>
Copper	328	10	ug/l	1	07/08/22	07/08/22 ND	SW846 6010D <sup>2</sup>	SW846 3010A <sup>5</sup>
Iron	120000	100	ug/l	1	07/08/22	07/08/22 ND	SW846 6010D <sup>2</sup>	SW846 3010A <sup>5</sup>
Lead <sup>a</sup>	78.0	15	ug/l	5	07/08/22	07/11/22 ND	SW846 6010D <sup>3</sup>	SW846 3010A <sup>5</sup>
Magnesium	32900	5000	ug/l	1	07/08/22	07/08/22 ND	SW846 6010D <sup>2</sup>	SW846 3010A <sup>5</sup>
Manganese	929	15	ug/l	1	07/08/22	07/08/22 ND	SW846 6010D <sup>2</sup>	SW846 3010A <sup>5</sup>
Mercury <sup>b</sup>	< 1.2	1.2	ug/l	1	07/11/22	07/11/22 lm	SW846 7470A <sup>1</sup>	SW846 7470A <sup>6</sup>
Nickel	228	10	ug/l	1	07/08/22	07/08/22 ND	SW846 6010D <sup>2</sup>	SW846 3010A <sup>5</sup>
Potassium	21700	10000	ug/l	1	07/08/22	07/08/22 ND	SW846 6010D <sup>2</sup>	SW846 3010A <sup>5</sup>
Selenium <sup>a</sup>	50.6	50	ug/l	5	07/08/22	07/11/22 ND	SW846 6010D <sup>3</sup>	SW846 3010A <sup>5</sup>
Silver	10.0	10	ug/l	1	07/08/22	07/08/22 ND	SW846 6010D <sup>2</sup>	SW846 3010A <sup>5</sup>
Sodium	1030000	100000	ug/l	10	07/08/22	07/12/22 ND	SW846 6010D <sup>4</sup>	SW846 3010A <sup>5</sup>
Thallium	< 10	10	ug/l	1	07/08/22	07/08/22 ND	SW846 6010D <sup>2</sup>	SW846 3010A <sup>5</sup>
Vanadium	324	50	ug/l	1	07/08/22	07/08/22 ND	SW846 6010D <sup>2</sup>	SW846 3010A <sup>5</sup>
Zinc	336	20	ug/l	1	07/08/22	07/08/22 ND	SW846 6010D <sup>2</sup>	SW846 3010A <sup>5</sup>

(1) Instrument QC Batch: MA52700

(2) Instrument QC Batch: MA52704

(3) Instrument QC Batch: MA52711

(4) Instrument QC Batch: MA52714

(5) Prep QC Batch: MP33950

(6) Prep QC Batch: MP34003

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

(b) Elevated sample detection limit due to limited volume.



4.4

SGS

#### SGS LabLink@1149889 16:41 09-Nov-2022

Client Sample ID: Lab Sample ID: Matrix: Project:								
General Chemistry	7							
Analyte		Result	RL	Units	DF	Analyzed	By	Method
Cyanide		< 0.010	0.010	mg/l	1	07/11/22 15:25	BR	EPA 335.4/LACHAT

# **Report of Analysis**

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4.4

4



			Keport	01 2 11	ary 515			Page 1 of	
Client Sam	ple ID: TW-7								
Lab Sample		60-3A				Date	Sampled: 07	//06/22	
Matrix:		round Water					-	//06/22	
Method:			EPA 537 MOD				ent Solids: n/		
Project:		d Street, Pelha							
- <b>J</b>			,						
	File ID		Analyzed	By	Prep D		Prep Batch	Analytical Batch	
Run #1 <sup>a</sup>	Q92230.D		07/23/22 20:02			22 09:00	F:OP92114	F:SQ1992	
Run #2 <sup>b</sup>	Q92269.D	5	07/25/22 17:20	AFL	07/16/2	22 09:00	F:OP92114	F:SQ1993	
	Initial Volume	Final Volu	me						
Run #1	255 ml	1.0 ml							
Run #2	255 ml	1.0 ml							
PFAS List									
CAS No.	Compound		Result	RL	MDL	Units	Q		
PERFLUO	ROALKYLCAI	RBOXYLIC A	ACIDS						
375-22-4	Perfluorobutan	noic acid	6.7	3.9	2.0	ng/l			
2706-90-3	Perfluoropenta		8.9	2.0	0.98	ng/l			
307-24-4	Perfluorohexa		5.7	2.0	0.98	ng/l			
375-85-9	Perfluorohepta		3.6	2.0	0.98	ng/l			
335-67-1	Perfluorooctan		8.2	2.0	0.98	ng/l			
375-95-1	Perfluoronona		3.2	2.0	0.98	ng/l			
335-76-2	Perfluorodeca		5.2	2.0	0.98	ng/l			
2058-94-8	Perfluorounde		ND <sup>c</sup>	9.8	4.9	ng/l			
307-55-1	Perfluorodode		ND <sup>c</sup>	9.8	4.9	ng/l			
72629-94-8	Perfluorotrideo		ND c	9.8	4.9	ng/l			
376-06-7	Perfluorotetrad		ND	2.0	0.98	ng/l			
DEDELUA	ROALKYLSUL	FONIC ACH	DC						
375-73-5	Perfluorobutan			2.0	0.98	ng/l			
375-73-5 355-46-4	Perfluorobexa			2.0 2.0	0.98	ng/l ng/l	т		
355-40-4 375-92-8	Perfluorohepta			2.0 2.0	0.98	ng/l ng/l	J		
375-92-8 1763-23-1	Perfluorooctan			2.0 2.0	0.98	ng/l ng/l			
1765-25-1 335-77-3	Perfluorodeca			2.0 9.8	0.98 4.9	ng/l ng/l			
999-11-9	i ennuorouecai	icsuitonic aciu		3.0	4.J	ng/l			
	ROOCTANESU	JLFONAMID							
754-91-6	PFOSA		ND	3.9	2.0	ng/l			
PERFLUO	ROOCTANESU	JLFONAMID	OACETIC AC	IDS					
2355-31-9	MeFOSAA		ND	3.9	2.0	ng/l			
2991-50-6	EtFOSAA		ND	3.9	2.0	ng/l			
FLUOROT	ELOMER SUL	FONATES							
	6:2 Fluorotelo		ND	7.8	2.0	ng/l			
	8:2 Fluorotelo		ND	7.8	2.0 2.0	ng/l			
55100 UT T		inci Suitonale			w.0				

Page 1 of 2

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

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Client Sample ID:	TW-7		
Lab Sample ID:	JD47860-3A	Date Sampled:	07/06/22
Matrix:	AQ - Ground Water	Date Received:	07/06/22
Method:	EPA 537M BY ID EPA 537 MOD	Percent Solids:	n/a
Project:	4th 83rd Street, Pelham, NY		

**PFAS List** 

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	<b>72</b> %	75%	35-135%
	13C5-PFPeA	77%	94%	<b>50-150%</b>
	13C5-PFHxA	72%	<b>92%</b>	<b>50-150%</b>
	13C4-PFHpA	73%	101%	<b>50-150%</b>
	13C8-PFOA	74%	<b>95</b> %	<b>50-150%</b>
	13C9-PFNA	75%	<b>92%</b>	<b>50-150%</b>
	13C6-PFDA	72%	<b>85</b> %	<b>50-150%</b>
	13C7-PFUnDA	23% d	<b>69</b> %	40-140%
	13C2-PFDoDA	15% <sup>d</sup>	64%	40-140%
	13C2-PFTeDA	44%	35%	<b>30-130%</b>
	13C3-PFBS	81%	106%	<b>50-150%</b>
	13C3-PFHxS	77%	<b>107</b> %	<b>50-150%</b>
	13C8-PFOS	81%	121%	<b>50-150%</b>
	13C8-FOSA	33%	<b>88</b> %	<b>30-130%</b>
	d3-MeFOSAA	96%	107%	40-140%
	d5-EtFOSAA	57%	102%	40-140%
	13C2-6:2FTS	84%	108%	<b>50-150%</b>
	13C2-8:2FTS	85%	<b>86</b> %	50-150%

<sup>(</sup>a) Analysis performed at SGS Orlando, FL.

(b) Dilution required due to matrix interference (ID recovery standard failure). Analysis performed at SGS Orlando, FL.

(c) Result is from Run# 2

(d) Outside control limits.

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

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JD47860



		Kepor	t of Al	larysis			Page 1 of
Client Sam Lab Sampl Matrix: Method: Project:					Date	1	7/06/22 7/06/22 a
Run #1 Run #2	File ID         DF           2A218304.D         1	Analyzed 07/08/22 17:	By 55 NH	Prep D n/a	ate	Prep Batch n/a	Analytical Batch V2A9490
Run #1 Run #2	Purge Volume 5.0 ml						
VOA TCL	List						
CAS No.	Compound	Result	RL	MDL	Units	Q	
67-64-1	Acetone	ND	10	3.1	ug/l	-	
71-43-2	Benzene	ND	0.50	0.43	ug/l		
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l		
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l		
75-25-2	Bromoform	ND	1.0	0.63	ug/l		
74-83-9	Bromomethane	ND	2.0	1.6	ug/l		
78-93-3	2-Butanone (MEK)	ND	10	6.9	ug/l		
75-15-0	Carbon disulfide	ND	2.0	0.46	ug/l		
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l		
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l		
75-00-3	Chloroethane	ND	1.0	0.73	ug/l		
67-66-3	Chloroform	ND	1.0	0.50	ug/l		
74-87-3	Chloromethane <sup>a</sup>	ND	1.0	0.76	ug/l		
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l		
96-12-8	1,2-Dibromo-3-chloropro	pane ND	2.0	0.53	ug/l		
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l		
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l		
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l		
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l		
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l		
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l		
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l		
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l		
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l		
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l		
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l		
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l		
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l		
10061-02-6			1.0	0.43	ug/l		
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l		
76-13-1	Freon 113 <sup>b</sup>	ND	5.0	0.58	ug/l		
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l		

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ND = Not detected MDL = Method Detection LimitRL = Reporting LimitE = 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



Client Samp Lab Sample Matrix: Method: Project:					Dat	te Samj te Recei ccent So	ived:	07/06/22 07/06/22 n/a
VOA TCL	List							
CAS No.	Compound	Result	RL	MDL	Units	Q		
98-82-8 79-20-9 108-87-2 1634-04-4 108-10-1 75-09-2 100-42-5 79-34-5 127-18-4 108-88-3 87-61-6 120-82-1 71-55-6 79-00-5 79-01-6 75-69-4	Isopropylbenzene Methyl Acetate Methylcyclohexane Methyl Tert Butyl Ether 4-Methyl-2-pentanone(MIBK) Methylene chloride Styrene 1,1,2,2-Tetrachloroethane Tetrachloroethene Toluene 1,2,3-Trichlorobenzene 1,2,4-Trichlorobenzene 1,1,1-Trichloroethane 1,1,2-Trichloroethane Trichloroethene Trichloroethene	ND ND ND ND ND ND ND ND ND ND ND ND ND	1.0 5.0 5.0 1.0 5.0 2.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 2.0	$\begin{array}{c} 0.65\\ 0.80\\ 0.60\\ 0.51\\ 1.9\\ 1.0\\ 0.49\\ 0.65\\ 0.90\\ 0.53\\ 0.50\\ 0.50\\ 0.50\\ 0.54\\ 0.53\\ 0.53\\ 0.53\\ 0.40\\ 0.50\end{array}$	ug/l ug/l ug/l ug/l ug/l ug/l ug/l ug/l			
75-01-4 95-47-6 1330-20-7	Vinyl chloride <sup>a</sup> m,p-Xylene o-Xylene Xylene (total)	ND ND ND ND	1.0 1.0 1.0 1.0	0.79 0.78 0.59 0.59	ug/l ug/l ug/l ug/l			
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limi	its			
1868-53-7 17060-07-0 2037-26-5 460-00-4	Dibromofluoromethane 1,2-Dichloroethane-D4 Toluene-D8 4-Bromofluorobenzene	105% 89% 95% 95%		80-12 80-12 80-12 82-12	20% 20%			
CAS No.	Tentatively Identified Compo	ounds	R.T.	Est.	Conc.	Units	Q	
	Total TIC, Volatile			0		ug/l		

(a) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

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

**J** = Indicates an estimated value

 $B = \ Indicates \ analyte \ found \ in \ associated \ method \ blank$ 

N = Indicates presumptive evidence of a compound

4.6 **4** 

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Misc. Forms

## **Custody Documents and Other Forms**

Includes the following where applicable:

- Chain of Custody
- Chain of Custody (SGS Orlando, FL)



SGS North America Inc Dayton	I PN
SGS North Hiller La Int. C. Jaylon         FED.EX. Tracking #         Bage Order Control #           2235 Route 130, Dayton, NJ 08810         FED.EX. Tracking #         Bream-CR-co320           TEL. 732-329-0200         FAX: 732-329-3499/3480         SGS Quote #         EGS bolt#	
EHSA-QAC-0023-04-FORM-Standard COC www.sgs.com/ehsusa ()/ 2/ 78 60	)
Client / Reporting Information Project Information Requested Analysis	Matrix Codes
SEST 12335-pelhon NY	DW - Drinking Water GW - Ground Water
Street Adverses 12 A Maple Ave 44h & 3r. A St. City State Concern Name	WW - Water SW - Surface Water SO - Soil SL- Sludge
Protect Contact Final Decision NY	SED-Sediment OI - Oil LIQ - Other Liquid
MKN: monica-northoress of 12335	AIR - Air SOL - Other Solid
	WP - Wipe FB - Field Blank EB-Equipment Blank
Bricau Staul Morie North Alertion:	RB - Rinse Blank TB - Trip Blank
Collection Number of presend Bottles pH Check (Lab Use Only)	
Sors Same Field ID / Point of Collection MEOHID Vial # Date Time by Comp C: 1000 Co	LAB USE ONLY
$\frac{1}{1}  \frac{1}{16}  \frac{1}{23}  \frac{1}{130}  \frac{1}{130}  \frac{1}{130}  \frac{1}{10}  \frac{1}{10$	E27
2 TW-4 7422 1230 6 3 3 7	A22
3 TW-7 7/422 1450 0 0 11 3 1 1 6 1 1 1	Sub
4 TB = 20390706 63012 1000 22 2 MINIMIN V	622 74
	V97
Turn Around Time (Business Days) Deliverable Comments / Specific	Instructions
Approved By (SGS PM): / Date: Commercial "A" (Level 1) DYASP Category A DOD-QSM5 CC M (Gare to the commercial "B" (Level 2) V NYASP Category B	Teked
S Business Days ON Reduced (Laver J) ON ANCP Criteria	3
3 Business Days*   Full Tier1 (Level 4)  CT RCP Criteria	
2 Business Days*	
D 1 Business Day ↓ 1 Busines	F I
All data available via Edblink Approval needed for 1-3 Business Day TAT Commercial "C" = Results + QC Summary + Partial Raw data	terms-and-conditions
Sample Custody must be documented below each time samples charge possession, including courier delivery. Received By: 10101000 Att 1020	en la
Realinguished by: 3 Dato / Time: Received By: A Comparison of the second By: Comparison o	
Relinquished by:         Date / Time:         Received By:         Custody Seal #         Intact         Thorm 10:         On (ce           5         5         Intact         Absent         See Sample Receipt Summary 4	Cooler Temp. "C

JD47860: Chain of Custody Page 1 of 3

SGS



5.<u>1</u>

S

#### SGS Sample Receipt Summary

Job Number:	JD47860 Clie	nt: SESI CONSULTING ENG	INEERS Project: 12335 PHASE 4	
Date / Time Received:	7/6/2022 6:04:00 PM	Delivery Method:	Airbill #'s:	
Cooler Temps (Raw Mea Cooler Temps (Cor	nsured) °C: Cooler 1: (4 rected) °C: Cooler 1: (4			
Cooler Security 1. Custody Seals Present: 2. Custody Seals Intact: Cooler Temperature 1. Temp criteria achieved: 2. Cooler temp verification 3. Cooler media: 4. No. Coolers: Cuality Control Present 1. Trip Blank present / cool 2. Trip Blank listed on COOl 3. Samples preserved pro 4. VOCs headspace free:	✓     ✓     4. Smpl I       ✓     ✓     ✓       ✓     ✓     ✓       IR Gun     Ice (Bag)       1     ✓       vation     Y or N       Iter:     ✓       ✓     ✓       ✓     ✓       ✓     ✓       ✓     ✓       ✓     ✓       ✓     ✓       ✓     ✓       ✓     ✓       ✓     ✓       ✓     ✓       ✓     ✓       ✓     ✓       ✓     ✓	Y or N C Present: v □ hates/Time OK v □ VA □ □	Sample Integrity - Documentation         1. Sample labels present on bottles:         2. Container labeling complete:         3. Sample container label / COC agree:         Sample Integrity - Condition         1. Sample necvd within HT:         2. All containers accounted for:         3. Condition of sample:         Sample Integrity - Instructions         1. Analysis requested is clear:         2. Bottles received for unspecified tests         3. Sufficient volume recvd for analysis:         4. Compositing instructions clear:	Y     or     N       V        V        V     or     N       V     or     N
		mber bottle for extraction analyse	5. Filtering instructions clear:          203117A       Other: (Specify)         es. Please confirm.         for all anlaysis requected on COC. Please confirm	

JD47860: Chain of Custody Page 2 of 3





SM089-02 Rev. Date 12/1/16

Responded to by: Kelly Ramos

Response Date: 7/7/2022

-1: please note limited volume for SVOC. Run for AB8270TCL20-14DX, B8270SIM14DIOX, BLS, XMTALCN, V8260TCL20+, LCID537NY21 (no PEST/PCB) -2: SM aliquot 250ml and preserve with HNO3 from one of the 3 liters for metals. Aliquot and preserve for CN from the same liter bottle!. Run for AB8270TCL20-14DX, B8270SIM14DIOX, BLS, XMTALCN, V8260TCL20+, XPPTCL11 (no PFAS). Note limited volume for SVOC and Pest/PCB (1L each!)

> 5.1 5

JD47860: Chain of Custody Page 3 of 3



Zip City Project #	ne Street, Pelham, NY asse Order # isser ut # Onion / 7/19/22 3:		Billing i Compan Street Ac City Attention Sampled by	AQ	susa n (if differe s of bottics	nt from Sta	n Repor		Čip kotties	CID537XV21 LCMS+14DAY ,		Requ	ested Ana	ss an a	JD47	860	Matrix Codes DW- Drivking Water GW- Ground Water WW- Water WW- Water SU-Saltone Water SU-Saltone Water SU-Saltone Value RE-Seatlanet WP- Wige FB - Field Bank EB-Equipment Blank		(1999) (1997)
Project Nan 4th B3rd 5 Street Zpp City Project # Clent Purch Phone Project Man	Insec Criter #	State Callection Time 3:30:00 PM	Bailing i Compan Street Ac City Attention Sampled by	informatic ny Namo ddress :: Matrix AQ	# of	Sta	le					Requi	ested Ana	lysis			DW - Drinking Water GW - Ground Water WW - Water SW - Surface Water SO - Soil SED-Sediment O I - Oil LIQ - Other Liquid AIR - Air SOL - Other Liquid AIR - Air SOL - Other Solid WP - Wipe FB - Field Blank EB-Equipment Blank		
4th B3rd 5 Street Zip Chy Project # Client Purch Phone Project Man	Insec Criter #	Collection Time 3:30:00 PM	Compan Street Ac City Attention Sampled by	ddress  Matrix AQ	# of	Sta	le										GW - Ground Water WW - Water SW - Surface Water SO - Soil SL - Studge SED-Sediment OI - Oil UI - Other Liquid AIR - Air SOL - Other Soid WP - Wipe FB - Field Blank EB-Equipment Blank		
Zip City Project # Client Purch Phone Project Man	iliger ial # Date 7/6/22 3:	Collection Time 3:30:00 PM	Compan Street Ac City Attention Sampled by	ddress  Matrix AQ	# of	Sta	le										WW - Water SW - Surface Water SO - Soil SL- Studge SED-Sediment OI - Oil LIQ - Other Liquid AIR - Air SOL - Other Solid WP - Wipe FB - Field Blank EB-Equipment Blank		
Project # Client Purch Phone Project Man	iliger ial # Date 7/6/22 3:	Collection Time 3:30:00 PM	Compan Street Ac City Attention Sampled by	ddress  Matrix AQ	# of	Sta	le										SO - Soil SL- Studge SED-Sediment OI - Oil LIQ - Other Liquid AIR - Air SOL - Other Solid WP - Wipe FB - Field Blank EB-Equipment Blank		
Client Purch Phone Project Man	iliger ial # Date 7/6/22 3:	Time 3:30:00 PM	City Attention Sampled by I BS	Matrix AQ	# of bottles												OI - Oil LIQ - Other Liquid AIR - Air SOL - Other Solid WP - Wipe FB - Field Blank EB-Equipment Blank		
Client Purch Phone Project Man	iliger ial # Date 7/6/22 3:	Time 3:30:00 PM	City Attention Sampled by BS	Matrix AQ	# of bottles												AIR - Air SOL - Other Solid WP - Wipe FB - Field Błank EB-Equipment Błank		
Phone Project Man	iliger ial # Date 7/6/22 3:	Time 3:30:00 PM	Attention Sampled by 1 BS	Mateix AQ	# of bottles												WP - Wipe FB - Field Blank EB-Equipment Blank		
	Lat # Date 7/6/22 3:	Time 3:30:00 PM	Sampled by BS	Mateix AQ	# of bottles	NaOH N	H <sub>2</sub> SO <sub>4</sub> In Ma	u seconad	Sotties								EB-Equipment Blank RB - Rinse Blank		
ection MEONDLY	ial # Date 7/6/22 3:	Time 3:30:00 PM	by BS	AQ	# of bottles	NeoH HC	H-SO <sub>4</sub> to aqua	eresonied u ste	Sotties	ZNV2									
ection MEONOLV	7/6/22 3:	3:30:00 PM	by BS	AQ	# of bottles	NaOH Na	H_SO4	Vater	<b>W</b>			1 1	1 I.				TB - Trip Blank		
	7/6/22 3:	3:30:00 PM	BS	AQ	bottles	¥ 2	루 로		5 5	CIDSO			1						
			-	-			-	N G	Ξŵ	X					-		LAB USE ONLY		
			1	AQ		+		+	++	x	-		+		-	+			
						+	-	+	++							+			
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						+		++	++		-					-			
			-	-		+			++-		-					-			
						++	++	++			+					-			
						++					-								
	(FOT DW) 10-4-									4	_	LL	Comm	nts / Special	Instructions				
	(000 m), / Dire.			Commerci	al "B" ( Lev	el 2)	í	NY/	SP Cate	gory B									
							ī	X Oth			-						1		
					Commercial	"B" = {	Results -	+ QC Sur	ımary										
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JD47860: Chain of Custody Page 1 of 2 SGS Orlando, FL



SGS

### SGS Sample Receipt Summary

Job Number: JD	047860	Client:	SGS NJ		Project: 4TH 83RD S	STREET			
Date / Time Received: 7/8	8/2022 9:30:00	AM	Delivery Method:	FEDEX	Airbill #'s:				
Therm ID: IR 1;			Therm CF: 0.4;		# of Coole	<b>rs:</b> 1			
Cooler Temps (Raw Me	asured) °C: C	ooler 1: (0.4	);						
Cooler Temps (Co	rrected) °C: C	ooler 1: (0.8	);						
Cooler Information	<u>Y</u> (	or N		Sample Information		Y or N	<u>_N/A_</u>		
1. Custody Seals Present	$\checkmark$			1. Sample labels preser	nt on bottles				
2. Custody Seals Intact	$\checkmark$			2. Samples preserved p	roperly				
3. Temp criteria achieved				3. Sufficient volume/con	tainers recvd for analysis:				
4. Cooler temp verification	IR Gur			4. Condition of sample		Intact			
5. Cooler media	Ice (Ba	<u>g)</u>		5. Sample recvd within I	HT				
				6. Dates/Times/IDs on 0	COC match Sample Label				
Trip Blank Information	<u>Y</u> c	<u>r N</u>	N/A	7. VOCs have headspace	ce		$\checkmark$		
1. Trip Blank present / coole	er 🗌		$\checkmark$	8. Bottles received for u	nspecified tests				
2. Trip Blank listed on COC			$\checkmark$	9. Compositing instruction	ons clear		$\checkmark$		
	w/	or S	N/A	10. Voa Soil Kits/Jars re	eceived past 48hrs?		$\checkmark$		
				11. % Solids Jar receive	ed?		$\checkmark$		
3. Type Of TB Received				12. Residual Chlorine P	resent?		$\checkmark$		
Misc. Information									
Number of Encores: 2	5-Gram	5-Gram	Num	nber of 5035 Field Kits:	Number of La	ab Filtered Metals:			
Test Strip Lot #s:	pH 0-3	23031	 5 pł	H 10-12 219813A	Other: (Spec	cify)			
Residual Chlorine Test S	trip Lot #:								
Comments									
SM001 Rev. Date 05/24/17	chnician: SAMU	ELM	Date: 7/8/2022	9:30:00 AM	Reviewer:	Date:			

JD47860: Chain of Custody Page 2 of 2



5.2

