

DATA PACKAGE

VOLATILE ORGANICS
GENERAL CHEMISTRY
METALS
GC SEMI-VOLATILES
SEMI-VOLATILE ORGANICS

PROJECT NAME : 540 DEGRAW ST, BROOKLYN, NY - E9309

ENTACT

606 E. Baltimore Pike

Floor 3

Media, PA - 19063

Phone No: 4844440702

ORDER ID : P4843

ATTENTION : Jarod Stanfield



Laboratory Certification ID # 20012



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DATA OF KNOWN QUALITY CONFORMANCE/NON-CONFORMANCE SUMMARY QUESTIONNAIRE

1

Laboratory Name : Alliance Technical Group LLC Client : ENTACT

Project Location : Brooklyn, NY Project Number : E9309

Laboratory Sample ID(s) : P4843 Sampling Date(s) : 11/13/2024

List DKQP Methods Used (e.g., 8260,8270, et Cetra) **1010B,300.0,6010D,7196A,7470A,8082A,8260-Low,8270E,9040C,Cal, SM2540 B,SM2540 D,SM4500 N Org B or C,SM5210 B**

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the NJDEP Data of Known Quality performance standards?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1A	Were the method specified handling, preservation, and holding time requirements met?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
1B	EPH Method: Was the EPH method conducted without significant modifications (see Section 11.3 of respective DKQ methods)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
3	Were samples received at an appropriate temperature (4±2° C)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
4	Were all QA/QC performance criteria specified in the NJDEP DKQP standards achieved?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
5	a)Were reporting limits specified or referenced on the chain-of-custody or communicated to the laboratory prior to sample receipt? b)Were these reporting limits met?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the DKQP documents and/or site-specific QAPP?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
7	Are project-specific matrix spikes and/or laboratory duplicates included in this data set?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information should be provided in an attached narrative. If the answer to question #1, #1A, or #1B is "No", the data package does not meet the requirements for "Data of Known Quality."

Cover Page

Order ID : P4843

Project ID : 540 Degraw St, Brooklyn, NY - E9309

Client : ENTACT

Lab Sample Number

P4843-01

Client Sample Number

SW-WTS-01

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature :

N. N. Pandya

APPROVED

By Nimisha Pandya, QA/QC Supervisor at 9:35 am, Nov 27, 2024

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CASE NARRATIVE

ENTACT

Project Name: 540 Degraw St, Brooklyn, NY - E9309

Project # N/A

Chemtech Project # P4843

Test Name: VOCMS Group4

A. Number of Samples and Date of Receipt:

1 Water sample was received on 11/13/2024.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: Ammonia, Anions Group4, BOD5, Flash Point, Hexavalent Chromium, Mercury, Metals Group4, Oil and Grease, PCB, pH, SVOCMS Group4, TKN, Total Nitrogen, TS, TSS and VOCMS Group4. This data package contains results for VOCMS Group4.

C. Analytical Techniques:

The analysis performed on instrument MSVOA_N were done using GC column RXI-624SIL MS 30m 0.25mm 1.4 um. Cat#13868. The analysis of VOCMS Group4 was based on method 8260D.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria.

The Internal Standards Areas met the acceptable requirements.

The Retention Times were acceptable for all samples.

The RPD met criteria .

The Blank Spike met requirements for all samples .

The Blank Spike Duplicate met requirements for all samples .

The Blank analysis did not indicate the presence of lab contamination.

The Initial Calibration met the requirements .

The Continuous Calibration met the requirements .

The Tuning criteria met requirements.

E. Additional Comments:

Samples for MS/MSD for VOC analysis were not provided with this set of samples. The Blank Spike Duplicate is reported with the data.

Trip Blank was not provided with this set of samples.

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <20% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 20% for the Initial Calibration curve for SW-846 analysis.



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Phone: 908 789 8900 Fax: 908 789 8922

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2.1

F. Manual Integration Comments:

Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature _____ *N. N. Pandya*

APPROVED

By Nimisha Pandya, QA/QC Supervisor at 9:36 am, Nov 27, 2024

CASE NARRATIVE

ENTACT

Project Name: 540 Degraw St, Brooklyn, NY - E9309

Project # N/A

Chemtech Project # P4843

Test Name: SVOCMS Group4

A. Number of Samples and Date of Receipt:

1 Water sample was received on 11/13/2024.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: Ammonia, Anions Group4, BOD5, Flash Point, Hexavalent Chromium, Mercury, Metals Group4, Oil and Grease, PCB, pH, SVOCMS Group4, TKN, Total Nitrogen, TS, TSS and VOCMS Group4. This data package contains results for SVOCMS Group4.

C. Analytical Techniques:

The samples were analyzed on instrument BNA_F using GC Column DB-UI 8270D which is 20 meters, 0.18 mm ID, 0.36 um dfThe analysis of SVOCMS Group4 was based on method 8270E and extraction was done based on method 3510.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria.

The Internal Standards Areas met the acceptable requirements.

The Retention Times were acceptable for all samples.

The RPD met criteria .

The Blank Spike met requirements for all samples .

The Blank Spike Duplicate met requirements for all samples .

The Blank analysis did not indicate the presence of lab contamination.

The Initial Calibration met the requirements .

The Continuous Calibration met the requirements .

The Tuning criteria met requirements.

E. Additional Comments:

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <20% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 20% for the Initial Calibration curve for SW-846 analysis.



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F. Manual Integration Comments:

Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature N. N. Pandya

APPROVED

By Nimisha Pandya, QA/QC Supervisor at 9:36 am, Nov 27, 2024

CASE NARRATIVE

ENTACT

Project Name: 540 Degraw St, Brooklyn, NY - E9309

Project # N/A

Chemtech Project # P4843

Test Name: PCB

A. Number of Samples and Date of Receipt:

1 Water sample was received on 11/13/2024.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: Ammonia, Anions Group4, BOD5, Flash Point, Hexavalent Chromium, Mercury, Metals Group4, Oil and Grease, PCB, pH, SVOCMS Group4, TKN, Total Nitrogen, TS, TSS and VOCMS Group4. This data package contains results for PCB.

C. Analytical Techniques:

The analyses were performed on instrument GCECD_P. The front column is ZB-MR1 which is 30 meters, 0.32 mm ID, 0.5 um df, Catalogue # 7HM-G016-17. The rear column is ZB-MR2 which is 30 meters, 0.32 mm ID, 0.25 µm; Catalogue # 7HM-G017-11. The analysis of PCBs was based on method 8082A and extraction was done based on method 3510.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria.

The Retention Times were acceptable for all samples.

The RPD met criteria .

The Blank Spike met requirements for all samples .

The Blank Spike Duplicate met requirements for all samples .

The Blank analysis did not indicate the presence of lab contamination.

The Initial Calibration met the requirements .

The Continuous Calibration met the requirements .

E. Additional Comments:

F. Manual Integration Comments:

Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed



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above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature N. N. Pandya

APPROVED

By Nimisha Pandya, QA/QC Supervisor at 9:36 am, Nov 27, 2024



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CASE NARRATIVE

ENTACT

Project Name: 540 Degraw St, Brooklyn, NY - E9309

Project # N/A

Chemtech Project # P4843

Test Name: Metals Group4,Mercury

A. Number of Samples and Date of Receipt:

1 Water sample was received on 11/13/2024.

B. Parameters:

According to the Chain of Custody document, the following analyses were requested: Ammonia, Anions Group4, BOD5, Flash Point, Hexavalent Chromium, Mercury, Metals Group4, Oil and Grease, PCB, pH, SVOCMS Group4, TKN, Total Nitrogen, TS, TSS and VOCMS Group4. This data package contains results for Metals Group4,Mercury.

C. Analytical Techniques:

The analysis of Metals Group4 was based on method 6010D, digestion based on method 3010 (waters). The analysis and digestion of Mercury was based on method 7470A.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Blank Spike met requirements for all samples.

The Duplicate analysis met criteria for all samples.

The Matrix Spike analysis met criteria for all samples.

The Matrix Spike Duplicate analysis met criteria for all samples.

The Blank analysis did not indicate the presence of lab contamination.

The Calibration met the requirements.

The Serial Dilution met the acceptable requirements.

E. Additional Comments:

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature _____

N. N. Pandya

APPROVED

By Nimisha Pandya, QA/QC Supervisor at 9:37 am, Nov 27, 2024

CASE NARRATIVE

ENTACT

Project Name: 540 Degraw St, Brooklyn, NY - E9309

Project # N/A

Chemtech Project # P4843

Test Name: Hexavalent Chromium, Total Nitrogen, TS, pH, Flash Point, TKN, BOD5, TSS, Anions Group4

A. Number of Samples and Date of Receipt:

1 Water sample was received on 11/13/2024.

B. Parameters:

According to the Chain of Custody document, the following analyses were requested: Ammonia, Anions Group4, BOD5, Flash Point, Hexavalent Chromium, Mercury, Metals Group4, Oil and Grease, PCB, pH, SVOCMS Group4, TKN, Total Nitrogen, TS, TSS and VOCMS Group4. This data package contains results for Hexavalent Chromium, Total Nitrogen, TS, pH, Flash Point, TKN, BOD5, TSS, Anions Group4.

C. Analytical Techniques:

The analysis of Flash Point was based on method 1010B, The analysis of Anions Group4 was based on method 300.0, The analysis of Hexavalent Chromium was based on method 7196A, The analysis of pH was based on method 9040C, The analysis of Total Nitrogen was based on method Cal, The analysis of TS was based on method SM2540 B, The analysis of TSS was based on method SM2540 D, The analysis of TKN was based on method SM4500 N Org B or C and The analysis of BOD5 was based on method SM5210 B.

D. QA/ QC Samples:

The Holding Times were met for all samples except for SW-WTS-01 of pH as sample was receive out of holding time.

Sample SW-WTS-01 was diluted due to high concentrations for TKN and Chloride.

The Blank Spike met requirements for all samples.

The Duplicate analysis met criteria for all samples.

The Matrix Spike analysis met criteria for all samples.

The Matrix Spike Duplicate analysis met criteria for all samples.

The Blank analysis did not indicate the presence of lab contamination.

The Calibration met the requirements.

E. Additional Comments:



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Signature N. N. Pandya

APPROVED

By Nimisha Pandya, QA/QC Supervisor at 9:37 am, Nov 27, 2024

DATA REPORTING QUALIFIERS- INORGANIC

For reporting results, the following “ Results Qualifiers” are used:

J	Indicates the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL), but greater than or equal to the Instrument Detection Limit (IDL).
U	Indicates the analyte was analyzed for, but not detected.
ND	Indicates the analyte was analyzed for, but not detected
E	Indicates the reported value is estimated because of the presence of interference
M	Indicates Duplicate injection precision not met.
N	Indicates the spiked sample recovery is not within control limits.
S	Indicates the reported value was determined by the Method of Standard Addition (MSA).
*	Indicates that the duplicate analysis is not within control limits.
+	Indicates the correlation coefficient for the MSA is less than 0.995.
D	Indicates the reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.
M	Method qualifiers “P” for ICP instrument “PM” for ICP when Microwave Digestion is used “CV” for Manual Cold Vapor AA “AV” for automated Cold Vapor AA “CA” for MIDI-Distillation Spectrophotometric “AS” for Semi -Automated Spectrophotometric “C” for Manual Spectrophotometric “T” for Titrimetric “NR” for analyte not required to be analyzed
OR	Indicates the analyte’s concentration exceeds the calibrated range of the instrument for that specific analysis.
Q	Indicates the LCS did not meet the control limits requirements
H	Sample Analysis Out Of Hold Time

DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following “ Results Qualifiers” are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. “10 U”. This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the analyte was analyzed for, but not detected
J	Indicates an estimated value. This flag is used: <ul style="list-style-type: none"> (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as “12 B”.
E	Indicates the analyte ‘s concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a “P”.
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
Q	Indicates the LCS did not meet the control limits requirements

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: P4843

Completed

For thorough review, the report must have the following:

GENERAL:

Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)

✓

Check chain-of-custody for proper relinquish/return of samples

✓

Is the chain of custody signed and complete

✓

Check internal chain-of-custody for proper relinquish/return of samples /sample extracts

✓

Collect information for each project id from server. Were all requirements followed

✓

COVER PAGE:

Do numbers of samples correspond to the number of samples in the Chain of Custody on login page

✓

Do lab numbers and client Ids on cover page agree with the Chain of Custody

✓

CHAIN OF CUSTODY:

Do requested analyses on Chain of Custody agree with form I results

✓

Do requested analyses on Chain of Custody agree with the log-in page

✓

Were the correct method log-in for analysis according to the Analytical Request and Chain of Custody

✓

Were the samples received within hold time

✓

Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: SOHIL JODHANI

Date: 11/25/2024

Hit Summary Sheet
SW-846

SDG No.: P4843
Client: ENTACT

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	SW-WTS-01							
P4843-01	SW-WTS-01	Water	Chloroform	6.70		0.26	1.00	ug/L
P4843-01	SW-WTS-01	Water	Benzene	22.9		0.16	1.00	ug/L
P4843-01	SW-WTS-01	Water	Toluene	1.50		0.18	1.00	ug/L
P4843-01	SW-WTS-01	Water	Ethyl Benzene	28.8		0.16	1.00	ug/L
P4843-01	SW-WTS-01	Water	Total Xylenes	10.8		0.45	3.00	ug/L
			Total Voc :		70.7			
			Total Concentration:		70.7			

A

B

C

D



SAMPLE DATA

Report of Analysis

Client:	ENTACT		Date Collected:	11/13/24	
Project:	540 Degraw St, Brooklyn, NY - E9309		Date Received:	11/13/24	
Client Sample ID:	SW-WTS-01		SDG No.:	P4843	
Lab Sample ID:	P4843-01		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group4	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084952.D	1		11/19/24 17:16	VN111924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
67-66-3	Chloroform	6.70		0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.19	U	0.19	1.00	ug/L
71-43-2	Benzene	22.9		0.16	1.00	ug/L
108-88-3	Toluene	1.50		0.18	1.00	ug/L
127-18-4	Tetrachloroethene	0.25	U	0.25	1.00	ug/L
100-41-4	Ethyl Benzene	28.8		0.16	1.00	ug/L
1330-20-7	Total Xylenes	10.8		0.45	3.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.1		70 (74) - 130 (125)	102%	SPK: 50
1868-53-7	Dibromofluoromethane	47.4		70 (75) - 130 (124)	95%	SPK: 50
2037-26-5	Toluene-d8	45.7		70 (86) - 130 (113)	91%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.8		70 (77) - 130 (121)	96%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	187000	8.224			
540-36-3	1,4-Difluorobenzene	348000	9.1			
3114-55-4	Chlorobenzene-d5	291000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	136000	13.794			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

LAB CHRONICLE

OrderID:	P4843	OrderDate:	11/13/2024 3:18:00 PM
Client:	ENTACT	Project:	540 Degraw St, Brooklyn, NY - E9309
Contact:	Jarod Stanfield	Location:	L23,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4843-01	SW-WTS-01	Water	VOCMS Group4	8260-Low	11/13/24		11/19/24	11/13/24



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Fax : 908 789 8922

Hit Summary Sheet SW-846

SDG No.: P4843
Client: ENTACT

Sample ID	Client ID	Parameter	Concentration	C	MDL	RDL	Units
Client ID :	SW-WTS-01						
P4843-01	SW-WTS-01	WATER	Naphthalene	54.400	1	5.1	ug/L
			Total Svoc :	54.40			
			Total Concentration:	54.40			



SAMPLE DATA

Report of Analysis

Client:	ENTACT	Date Collected:	11/13/24
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	11/13/24
Client Sample ID:	SW-WTS-01	SDG No.:	P4843
Lab Sample ID:	P4843-01	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	990 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group4
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140492.D	1	11/16/24 08:15	11/20/24 11:23	PB165039

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
108-95-2	Phenol	0.94	U	0.94	5.10	ug/L
106-46-7	1,4-Dichlorobenzene	0.85	U	0.85	5.10	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.10	U	1.10	5.10	ug/L
91-20-3	Naphthalene	54.4		1.00	5.10	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	67.6		15 (10) - 110 (139)	45%	SPK: 150
13127-88-3	Phenol-d6	41.3		15 (10) - 110 (134)	28%	SPK: 150
4165-60-0	Nitrobenzene-d5	93.3		30 (49) - 130 (133)	93%	SPK: 100
321-60-8	2-Fluorobiphenyl	97.7		30 (52) - 130 (132)	98%	SPK: 100
118-79-6	2,4,6-Tribromophenol	135		15 (44) - 110 (137)	90%	SPK: 150
1718-51-0	Terphenyl-d14	93.4		30 (48) - 130 (125)	93%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	109000	6.875			
1146-65-2	Naphthalene-d8	404000	8.151			
15067-26-2	Acenaphthene-d10	210000	9.91			
1517-22-2	Phenanthrene-d10	331000	11.398			
1719-03-5	Chrysene-d12	183000	14.051			
1520-96-3	Perylene-d12	218000	15.556			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

LAB CHRONICLE

OrderID:	P4843	OrderDate:	11/13/2024 3:18:00 PM
Client:	ENTACT	Project:	540 Degraw St, Brooklyn, NY - E9309
Contact:	Jarod Stanfield	Location:	L23,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4843-01	SW-WTS-01	Water	SVOCMS Group4	8270E	11/13/24	11/16/24	11/20/24	11/13/24

Hit Summary Sheet
SW-846

SDG No.: P4843

Order ID: P4843

Client: ENTACT

Project ID: 540 Degraw St, Brooklyn, NY - E9309

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
-----------	-----------	--------	-----------	---------------	---	-----	-----	-------

Client ID :

Total Concentration: 0.000

A

B

C

D



SAMPLE DATA

Report of Analysis

Client:	ENTACT		Date Collected:	11/13/24	
Project:	540 Degraw St, Brooklyn, NY - E9309		Date Received:	11/13/24	
Client Sample ID:	SW-WTS-01		SDG No.:	P4843	
Lab Sample ID:	P4843-01		Matrix:	WATER	
Analytical Method:	SW8082A		% Solid:	0	Decanted:
Sample Wt/Vol:	990	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP068518.D	1	11/15/24 08:21	11/15/24 22:35	PB164990

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.15	U	0.15	0.51	ug/L
11104-28-2	Aroclor-1221	0.23	U	0.23	0.51	ug/L
11141-16-5	Aroclor-1232	0.37	U	0.37	0.51	ug/L
53469-21-9	Aroclor-1242	0.16	U	0.16	0.51	ug/L
12672-29-6	Aroclor-1248	0.12	U	0.12	0.51	ug/L
11097-69-1	Aroclor-1254	0.11	U	0.11	0.51	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.51	ug/L
11100-14-4	Aroclor-1268	0.12	U	0.12	0.51	ug/L
11096-82-5	Aroclor-1260	0.15	U	0.15	0.51	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	13.9		30 (10) - 150 (157)	69%	SPK: 20
2051-24-3	Decachlorobiphenyl	6.99		30 (10) - 150 (173)	35%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

LAB CHRONICLE

OrderID:	P4843	OrderDate:	11/13/2024 3:18:00 PM
Client:	ENTACT	Project:	540 Degraw St, Brooklyn, NY - E9309
Contact:	Jarod Stanfield	Location:	L23,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4843-01	SW-WTS-01	WATER	PCB	8082A	11/13/24	11/15/24	11/15/24	11/13/24

Hit Summary Sheet SW-846

SDG No.: P4843

Order ID: P4843

Client: ENTACT

Project ID: 540 Degraw St, Brooklyn, NY - E9309

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : SW-WTS-01								
P4843-01	SW-WTS-01	Water	Cadmium	1.98	J	0.094	3.00	ug/L
P4843-01	SW-WTS-01	Water	Copper	98.9		7.07	10.0	ug/L
P4843-01	SW-WTS-01	Water	Lead	104		3.51	6.00	ug/L
P4843-01	SW-WTS-01	Water	Mercury	0.36		0.081	0.20	ug/L
P4843-01	SW-WTS-01	Water	Nickel	30.7		0.85	20.0	ug/L
P4843-01	SW-WTS-01	Water	Zinc	274		1.75	20.0	ug/L



SAMPLE DATA

Report of Analysis

Client:	ENTACT	Date Collected:	11/13/24
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	11/13/24
Client Sample ID:	SW-WTS-01	SDG No.:	P4843
Lab Sample ID:	P4843-01	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7440-43-9	Cadmium	1.98	J	1	0.094	3.00	ug/L	11/14/24 10:15	11/15/24 15:18	SW6010	SW3010
7440-50-8	Copper	98.9		1	7.07	10.0	ug/L	11/14/24 10:15	11/15/24 15:18	SW6010	SW3010
7439-92-1	Lead	104		1	3.51	6.00	ug/L	11/14/24 10:15	11/15/24 15:18	SW6010	SW3010
7439-97-6	Mercury	0.36		1	0.081	0.20	ug/L	11/14/24 08:00	11/14/24 14:51	SW7470A	
7440-02-0	Nickel	30.7		1	0.85	20.0	ug/L	11/14/24 10:15	11/15/24 15:18	SW6010	SW3010
7440-66-6	Zinc	274		1	1.75	20.0	ug/L	11/14/24 10:15	11/15/24 15:18	SW6010	SW3010

Color Before:	Brown	Clarity Before:	Cloudy	Texture:
Color After:	Colorless	Clarity After:	Clear	Artifacts:
Comments:	Mercury			

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 LOD = Limit of Detection
 D = Dilution
 Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 * = indicates the duplicate analysis is not within control limits.
 E = Indicates the reported value is estimated because of the presence of interference.
 OR = Over Range
 N = Spiked sample recovery not within control limits

LAB CHRONICLE

OrderID:	P4843	OrderDate:	11/13/2024 3:18:00 PM
Client:	ENTACT	Project:	540 Degraw St, Brooklyn, NY - E9309
Contact:	Jarod Stanfield	Location:	L23,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4843-01	SW-WTS-01	Water			11/13/24			11/13/24
			Mercury	7470A		11/14/24	11/14/24	
			Metals Group4	6010D		11/14/24	11/15/24	



SAMPLE DATA

Report of Analysis

Client:	ENTACT	Date Collected:	11/13/24 08:00
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	11/13/24
Client Sample ID:	SW-WTS-01	SDG No.:	P4843
Lab Sample ID:	P4843-01	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Chloride	24.4	OR	1	0.011	0.60	mg/L		11/14/24 12:01	300.0
Nitrite	0.18	J	1	0.011	0.60	mg/L		11/14/24 12:01	300.0
Nitrate	0.80		1	0.0034	0.50	mg/L		11/14/24 12:01	300.0
Nitrate+Nitrite	0.98	J	1	0.010	1.10	mg/L		11/14/24 12:01	300.0
BOD5	15.7		1	0.17	2.00	mg/L		11/14/24 16:30	SM 5210 B-16
Flash Point	>212		1	0	0	o F		11/15/24 13:55	1010B
Dissolved Hexavalent Chromium	0.020		1	0.0030	0.010	mg/L		11/14/24 09:04	7196A
pH	12.0	H	1	0	0	pH		11/14/24 08:47	9040C
TKN	19.7	OR	1	0.18	0.50	mg/L	11/21/24 09:15	11/21/24 15:22	SM4500-N Org C-11 plus NH3 B plus G-11
Nitrogen	26.9		1	0.31	1.30	mg/L		11/21/24 15:54	SM 4500-N Org C-11 plus NH3 B plus G-11
TS	1710		1	1.00	5.00	mg/L		11/14/24 11:00	SM 2540 B-15
TSS	307		1	1.00	4.00	mg/L		11/15/24 09:00	SM 2540 D-15

Comments: Other method reference for flash point : Pensky-Martens Closed Cup Flash Point ASTM D 93 - IP 34, pH result reported at temperature

U = Not Detected

LOQ = Limit of Quantitation

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LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N =Spiked sample recovery not within control limits

Report of Analysis

Client:	ENTACT	Date Collected:	11/13/24 08:00
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	11/13/24
Client Sample ID:	SW-WTS-01DL	SDG No.:	P4843
Lab Sample ID:	P4843-01DL	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Chloride	23.4	D	10	0.11	6.00	mg/L		11/14/24 13:06	300.0
TKN	25.9	D	5	0.90	2.50	mg/L	11/21/24 09:15	11/21/24 15:54	SM4500-N Org C-11 plus NH3 B plus G-11

Comments: _____

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked sample recovery not within control limits

LAB CHRONICLE

OrderID:	P4843	OrderDate:	11/13/2024 3:18:00 PM
Client:	ENTACT	Project:	540 Degraw St, Brooklyn, NY - E9309
Contact:	Jarod Stanfield	Location:	L23,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4843-01	SW-WTS-01	WATER			11/13/24 08:00			11/13/24
			Anions Group4	300.0			11/14/24 12:01	
			BOD5	SM5210 B			11/14/24 16:30	
			Flash Point	1010B			11/15/24 13:55	
			Hexavalent Chromium	7196A			11/14/24 09:04	
			pH	9040C			11/14/24 08:47	
			TKN	SM4500-N Org C-11 plus NH3 B plus G-11		11/21/24	11/21/24 15:22	
			Total Nitrogen	Cal			11/21/24 15:54	
			TS	SM2540 B			11/14/24 11:00	
			TSS	SM2540 D			11/15/24 09:00	
P4843-01DL	SW-WTS-01DL	WATER			11/13/24 08:00			11/13/24
			Anions Group4	300.0			11/14/24 13:06	
			TKN	SM4500-N Org C-11 plus NH3 B plus G-11		11/21/24	11/21/24 15:54	



SHIPPING DOCUMENTS



284 Sheffield Street, Mountainside, NJ 07092

(908) 789-8900 Fax: (908) 788-9222

www.chemtech.net

CHAIN OF CUSTODY RECORD

Alliance Project Number:

P4843

COC Number: 2042104

Page 1 of 1

CLIENT INFORMATION

COMPANY: ENTACT, LLC

ADDRESS: 150 Bay Street, Suite 806

CITY: Jersey City STATE: NJ ZIP: 07302

ATTENTION: Jarod Stanfield

PHONE: 570-886-0442

FAX:

PROJECT INFORMATION

PROJECT NAME: 540 Degraw St Brooklyn, NY

PROJECT #: E9309

LOCATION: Brooklyn, NY

PROJECT MANAGER: Jarod Stanfield

E-MAIL: jstanfield@entact.com

PHONE: 570-886-0442

FAX:

BILLING INFORMATION

BILL TO: ENTACT, LLC

PO# E9309

ADDRESS: 999 Oakmont Plaza Drive, Suite 300

CITY: Westmont

STATE: IL ZIP: 60559

ATTENTION: Wendy Murray

PHONE: 800-936-8228

ANALYSIS

Metals	Flashpoint + PCB	VOC	SVOC + Chloride (Anions)	BOD+TSS					
1	2	3	4	5	6	7	8	9	

PRESERVATIVES

COMMENTS

<-- Specify Preservatives

A-HCl B-HNO3

C-H2SO4 D-NaOH

E-ICE F-Other

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# of Bottles	B	E	E	E	E						
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9		
1.	SW-WTS-01	Surface Water		X	11/13	8:00	4	X	X	X	X	X						
2.																		
3.																		
4.																		
5.																		
6.																		
7.																		
8.																		
9.																		
10.																		

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE PROSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER 1. Jarod Stanfield	DATE/TIME 11/13 15:13	RECEIVED BY 	1513 11-13-24	Conditions of bottles or coolers at receipt: <input type="checkbox"/> Compliant <input type="checkbox"/> Non Compliant <input type="checkbox"/> Cooler Temp 3.5° <input type="checkbox"/> Ice in Cooler?:
RELINQUISHED BY 2.	DATE/TIME	RECEIVED BY		Comments: Field pH: 10+ Field Temp: 37.5 °F
RELINQUISHED BY 3.	DATE/TIME 11-13-24	RECEIVED FOR LAB BY 3.		SHIPPED VIA: CLIENT: <input type="checkbox"/> Hand Delivered <input type="checkbox"/> Overnight ALLIANCE: <input type="checkbox"/> Picked Up <input type="checkbox"/> Overnight

Shipment Complete

☐ YES ☐ NO

Page _____ of _____

P4843

WHITE - ALLIANCE COPY FOR RETURN TO CLIENT

YELLOW - ALLIANCE COPY

PINK - SAMPLER COPY

38 of 40

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

LOGIN REPORT/SAMPLE TRANSFER

Order ID : P4843 ENTA05

Order Date : 11/13/2024 3:18:00 PM

Project Mgr : Yazmeen

Client Name : ENTACT

Project Name : 540 Degraw St, Brooklyn, N

Report Type : Level 1

Client Contact : Jarod Stanfield

Receive DateTime : 11/13/2024 12:00:00 AM

EDD Type : Excel NJ

Invoice Name : ENTACT

Purchase Order :

Hard Copy Date :

Invoice Contact : Jarod Stanfield

Date Signoff : 11/14/2024 10:47:46 AM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
P4843-01	SW-WTS-01	Water	11/13/2024	08:00	VOCMS Group4		8260-Low		5 Bus. Days

Relinquished By :

Date / Time :

11/14/24 1220

Received By :

Date / Time :

11.14.24 12:00

Storage Area : VOA Refridgerator Room