

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 : P4660

ATTENTION : Jarod Stanfield



Laboratory Certification ID # 20012



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DATA OF KNOWN QUALITY CONFORMANCE/NON-CONFORMANCE SUMMARY QUESTIONNAIRE

Laboratory Name : Alliance Technical Group LLCClient : ENTACTProject Location : Brooklyn, NYProject Number : E9309Laboratory Sample ID(s) : P4660Sampling Date(s) : 10/28/2024,10/30/2024,10/31/2024

List DKQP Methods Used (e.g., 8260,8270, et Cetra)

**,1030,1311,1311 ZHE,160.4,1664A,6010D,7470A,8081B,8082A,8151A,8260D,
8270E,9012B,9034,9045D,9071B,9095B,ASTM,SM2540 B,SM4500-NH3,SM5220 D**

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?	☒ Yes ☐ No
1A	Were the method specified handling, preservation, and holding time requirements met?	☐ Yes ☒ No
1B	EPH Method: Was the EPH method conducted without significant modifications (see Section 11.3 of respective DKQ methods)	☐ Yes ☐ No ☒ 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)?	☒ Yes ☐ No
3	Were samples received at an appropriate temperature (4±2° C)?	☒ Yes ☐ No ☐ N/A
4	Were all QA/QC performance criteria specified in the NJDEP DKQP standards achieved?	☐ Yes ☒ No
5	a)Were reporting limits specified or referenced on the chain-of-custody or communicated to the laboratory prior to sample receipt?	☒ Yes ☐ No
	b)Were these reporting limits met?	☒ Yes ☐ No ☐ 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?	☒ Yes ☐ No
7	Are project-specific matrix spikes and/or laboratory duplicates included in this data set?	☐ Yes ☒ 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 : P4660

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

Client : ENTACT

Lab Sample Number

P4660-01
P4660-02
P4660-03
P4660-04
P4660-05
P4660-06
P4660-07
P4660-08
P4660-09
P4660-10
P4660-11
P4660-12

Client Sample Number

WC-TA2-01-G
WC-TA2-01-C
WC-TA2-01-C
WC-TA2-01-C
WC-WOOD-01-G
WC-WOOD-01-C
WC-WOOD-01-C
WC-WOOD-01-C
WC-CONCRETE-01-G
WC-CONCRETE-01-C
WC-CONCRETE-01-C
WC-CONCRETE-01-C

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 : _____

Date: 11/14/2024

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CASE NARRATIVE

ENTACT

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

Project # N/A

Chemtech Project # P4660

Test Name: TCLP VOA

A. Number of Samples and Date of Receipt:

12 Solid samples were received on 10/31/2024.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: ASTM Ammonia, ASTM COD, ASTM Leach Extraction, ASTM Oil and Grease, ASTM TS, Corrosivity, Ignitability, Oil and Grease, Paint Filter, PCB, pH, RCRA CHARACTERISTICS, Reactive Cyanide, Reactive Sulfide, TCLP BNA, TCLP Extraction, TCLP Herbicide, TCLP ICP Metals, TCLP Mercury, TCLP Pesticide, TCLP VOA, TCLP ZHE Extraction, TCLP-FULL, TCLP Metals Group2, TS, TVS and VOC-TCLVOA-10. This data package contains results for TCLP VOA.

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 TCLP VOA was based on method 8260D and TCLP extraction method was 1311.

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.

F. Manual Integration Comments:

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

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Signature_____

CASE NARRATIVE

ENTACT

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

Project # N/A

Chemtech Project # P4660

Test Name: TCLP BNA

A. Number of Samples and Date of Receipt:

12 Solid samples were received on 10/31/2024.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: ASTM Ammonia, ASTM COD, ASTM Leach Extraction, ASTM Oil and Grease, ASTM TS, Corrosivity, Ignitability, Oil and Grease, Paint Filter, PCB, pH, RCRA CHARACTERISTICS, Reactive Cyanide, Reactive Sulfide, TCLP BNA, TCLP Extraction, TCLP Herbicide, TCLP ICP Metals, TCLP Mercury, TCLP Pesticide, TCLP VOA, TCLP ZHE Extraction, TCLP-FULL, TCLP Metals Group2, TS, TVS and VOC-TCLVOA-10. This data package contains results for TCLP BNA.

C. Analytical Techniques:

The samples were analyzed on instrument BNA_E using GC Column ZB-SemiVolatiles Guardian which is 30 meters, 0.25 mm ID, 0.5 um df, Catalog # 7HG-G027-17-GGAThe analysis of TCLP BNA was based on method 8270E and extraction was done based on method 3510 and TCLP extraction method was 1311.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria except for

WC-TA2-01-C [2,4,6-Tribromophenol - 113%],

WC-WOOD-01-C [2,4,6-Tribromophenol - 115%],

WC-CONCRETE-01-C [2,4,6-Tribromophenol - 121% and 2-Fluorophenol - 117%]

these surrogates did not meet the NJDKQP criteria but met the in-house criteria .

The Internal Standards Areas met the acceptable requirements.

The Retention Times were acceptable for all samples.

The MS {P4640-04MS} with File ID: BE101481.D recoveries met the requirements for all compounds except for Hexachlorobutadiene[66%] this compound did not meet the NJDKQP criteria but met the in-house criteria, while 1,4-Dichlorobenzene[52%] this compound did not meet the NJDKQP criteria and in-house criteria, due to matrix interference.

The MSD {P4640-04MSD} with File ID: BE101482.D recoveries met the requirements for all compounds except for Hexachlorobutadiene[68%] this compound did not meet the NJDKQP criteria but met the in-house criteria, while 1,4-Dichlorobenzene[52%] this compound did not meet the NJDKQP criteria and in-house criteria, due to matrix interference.

The RPD met criteria .

The Blank Spike 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:

The Form 6 is not included in the data package because the Initial Calibration was performed using 7 points.

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.

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_____

CASE NARRATIVE

ENTACT

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

Project # N/A

Chemtech Project # P4660

Test Name: PCB

A. Number of Samples and Date of Receipt:

12 Solid samples were received on 10/31/2024.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: ASTM Ammonia, ASTM COD, ASTM Leach Extraction, ASTM Oil and Grease, ASTM TS, Corrosivity, Ignitability, Oil and Grease, Paint Filter, PCB, pH, RCRA CHARACTERISTICS, Reactive Cyanide, Reactive Sulfide, TCLP BNA, TCLP Extraction, TCLP Herbicide, TCLP ICP Metals, TCLP Mercury, TCLP Pesticide, TCLP VOA, TCLP ZHE Extraction, TCLP-FULL, TCLP Metals Group2, TS, TVS and VOC-TCLVOA-10. This data package contains results for PCB.

C. Analytical Techniques:

The analyses were performed on instrument GCECD_O. 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 3541.

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 MS recoveries met the requirements for all compounds .

The MSD recoveries met the acceptable requirements .

The RPD met criteria .

The Blank Spike 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:

The soil samples results are based on a dry weight basis.

F. Manual Integration Comments:



284 Sheffield Street, Mountainside, NJ 07092
Phone: 908 789 8900 Fax: 908 789 8922

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

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CASE NARRATIVE

ENTACT

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

Project # N/A

Chemtech Project # P4660

Test Name: TCLP Pesticide

A. Number of Samples and Date of Receipt:

12 Solid samples were received on 10/31/2024.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: ASTM Ammonia, ASTM COD, ASTM Leach Extraction, ASTM Oil and Grease, ASTM TS, Corrosivity, Ignitability, Oil and Grease, Paint Filter, PCB, pH, RCRA CHARACTERISTICS, Reactive Cyanide, Reactive Sulfide, TCLP BNA, TCLP Extraction, TCLP Herbicide, TCLP ICP Metals, TCLP Mercury, TCLP Pesticide, TCLP VOA, TCLP ZHE Extraction, TCLP-FULL, TCLP Metals Group2, TS, TVS and VOC-TCLVOA-10. This data package contains results for TCLP Pesticide.

C. Analytical Techniques:

The analysis was performed on instrument ECD_L. The front column is ZB-MR2 which is 30 meters, 0.32 mm ID, 0.25 um df, Catalog #: 7HMG017- 11 The rear column is ZB-MR1 which is 30 meters, 0.32 mm ID, 0. 5 um df,: Catalog # 7HM-G016-17. .The analysis of TCLP Pesticides was based on method 8081B and extraction was done based on method 3510 and TCLP extraction method was 1311.

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 MS recoveries met the requirements for all compounds .

The MSD recoveries met the acceptable requirements .

The RPD met criteria .

The Blank Spike 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.



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CASE NARRATIVE

ENTACT

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

Project # N/A

Chemtech Project # P4660

Test Name: TCLP Herbicide

A. Number of Samples and Date of Receipt:

12 Solid samples were received on 10/31/2024.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: ASTM Ammonia, ASTM COD, ASTM Leach Extraction, ASTM Oil and Grease, ASTM TS, Corrosivity, Ignitability, Oil and Grease, Paint Filter, PCB, pH, RCRA CHARACTERISTICS, Reactive Cyanide, Reactive Sulfide, TCLP BNA, TCLP Extraction, TCLP Herbicide, TCLP ICP Metals, TCLP Mercury, TCLP Pesticide, TCLP VOA, TCLP ZHE Extraction, TCLP-FULL, TCLP Metals Group2, TS, TVS and VOC-TCLVOA-10. This data package contains results for TCLP Herbicide.

C. Analytical Techniques:

The analysis was performed on instrument ECD_S. The front column is RTX-CLPesticides which is 30 meters, 0.32 mm ID, 0.5 µm df, Catalog # 11139. The rear column is RTX-CLPesticides2 which is 30 meters, 0.32 mm ID, 0.25 µm df, Catalog #: 11324. The analysis of TCLP Herbicides was based on method 8151A and extraction was done based on method 3510 and TCLP extraction method was 1311.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria except for WC-TA2-01-C [2,4-DCAA(1) - 136%], WC-TA2-01-CMS [2,4-DCAA(2) - 68%], WC-CONCRETE-01-C [2 and 4-DCAA(1) - 144%], PB164560TB [2 and 4-DCAA(2) - 61%] these compounds did not meet the NJDKQP criteria but met the in-house criteria.

The Retention Times were acceptable for all samples.

The MS recoveries met the requirements for all compounds.

The MSD recoveries met the acceptable requirements.

The RPD met criteria.

The Blank Spike 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.



284 Sheffield Street, Mountainside, NJ 07092
Phone: 908 789 8900 Fax: 908 789 8922

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.

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Signature_____

CASE NARRATIVE

ENTACT

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

Project # N/A

Chemtech Project # P4660

Test Name: TCLPMetals Group2,TCLP Mercury

A. Number of Samples and Date of Receipt:

12 Solid samples were received on 10/31/2024.

B. Parameters:

According to the Chain of Custody document, the following analyses were requested: ASTM Ammonia, ASTM COD, ASTM Leach Extraction, ASTM Oil and Grease, ASTM TS, Corrosivity, Ignitability, Oil and Grease, Paint Filter, PCB, pH, RCRA CHARACTERISTICS, Reactive Cyanide, Reactive Sulfide, TCLP BNA, TCLP Extraction, TCLP Herbicide, TCLP ICP Metals, TCLP Mercury, TCLP Pesticide, TCLP VOA, TCLP ZHE Extraction, TCLP-FULL, TCLPMetals Group2, TS, TVS and VOC-TCLVOA-10. This data package contains results for TCLPMetals Group2,TCLP Mercury.

C. Analytical Techniques:

The analysis of TCLPMetals Group2 was based on method 6010D, digestion based on method 3010 (waters). The analysis and digestion of TCLP Mercury was based on method 7470A and TCLP extraction method was 1311.

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:

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Signature_____

CASE NARRATIVE

ENTACT

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

Project # N/A

Chemtech Project # P4660

Test Name: ASTM Ammonia,TS,Oil and Grease,Corrosivity,pH,Paint Filter,ASTM TS,TVS,ASTM COD,Ignitability,ASTM Oil and Grease,Reactive Cyanide,Reactive Sulfide

A. Number of Samples and Date of Receipt:

12 Solid samples were received on 10/31/2024.

B. Parameters:

According to the Chain of Custody document, the following analyses were requested: ASTM Ammonia, ASTM COD, ASTM Leach Extraction, ASTM Oil and Grease, ASTM TS, Corrosivity, Ignitability, Oil and Grease, Paint Filter, PCB, pH, RCRA CHARACTERISTICS, Reactive Cyanide, Reactive Sulfide, TCLP BNA, TCLP Extraction, TCLP Herbicide, TCLP ICP Metals, TCLP Mercury, TCLP Pesticide, TCLP VOA, TCLP ZHE Extraction, TCLP-FULL, TCLP Metals Group2, TS, TVS and VOC-TCLVOA-10. This data package contains results for ASTM Ammonia,TS,Oil and Grease,Corrosivity,pH,Paint Filter,ASTM TS,TVS,ASTM COD,Ignitability,ASTM Oil and Grease,Reactive Cyanide,Reactive Sulfide.

C. Analytical Techniques:

The analysis of Ignitability was based on method 1030, The analysis of TVS was based on method 160.4, The analysis of ASTM Oil and Grease was based on method 1664A, The analysis of Reactive Cyanide was based on method 9012B, The analysis of Reactive Sulfide was based on method 9034, The analysis of Corrosivity,pH was based on method 9045D, The analysis of Oil and Grease was based on method 9071B, The analysis of Paint Filter was based on method 9095B, The analysis of ASTM TS,TS was based on method SM2540 B, The analysis of ASTM Ammonia was based on method SM4500-NH3 and The analysis of ASTM COD was based on method SM5220 D.

D. QA/ QC Samples:

The Holding Times were met for all samples except for WC-CONCRETE-01-C of pH & for WC-CONCRETE-01-C of Corrosivity & for WC-TA2-01-C of pH & for WC-TA2-01-C of Corrosivity & for WC-WOOD-01-C of pH & for WC-WOOD-01-C of Corrosivity due to sample receive out of hold.

The Blank Spike met requirements for all samples.

The Duplicate analysis met criteria for all samples.

The Matrix Spike (WC-TA2-01-CMS) analysis met criteria for all samples except for Oil and Grease due to matrix interferences.



The Matrix Spike Duplicate (WC-TA2-01-CMSD) analysis met criteria for all samples except for Oil and Grease due to matrix interferences.

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

The Calibration met the requirements.

E. Additional Comments:

For ASTM COD, sample P4660-08 reported with straight 5X dilution due to the original sample was reading over range, only 10X has been reported.

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_____

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: (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 #: P4660

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 Castody

✓

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: 11/14/2024

LAB CHRONICLE

OrderID:	P4660	OrderDate:	10/31/2024 2:38:00 PM
Client:	ENTACT	Project:	540 Degraw St, Brooklyn, NY - E9309
Contact:	Chris Lawrence	Location:	K41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4660-01	WC-TA2-01-G	TCLP	TCLP VOA	8260D	10/28/24		11/04/24	10/31/24
P4660-05	WC-WOOD-01-G	TCLP	TCLP VOA	8260D	10/31/24		11/04/24	10/31/24
P4660-09	WC-CONCRETE-01-G	TCLP	TCLP VOA	8260D	10/31/24		11/04/24	10/31/24

Hit Summary Sheet SW-846

SDG No.: P4660

Client: ENTACT

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

0

Total Voc :
Total Concentration:



SAMPLE DATA

Report of Analysis

Client:	ENTACT	Date Collected:	10/28/24
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	10/31/24
Client Sample ID:	WC-TA2-01-G	SDG No.:	P4660
Lab Sample ID:	P4660-01	Matrix:	TCLP
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :	SW5035		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084657.D	1		11/04/24 15:05	VN110424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.34	U	0.34	5.00	ug/L
75-35-4	1,1-Dichloroethene	0.26	U	0.26	5.00	ug/L
78-93-3	2-Butanone	1.30	U	1.30	25.0	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	5.00	ug/L
67-66-3	Chloroform	0.26	U	0.26	5.00	ug/L
71-43-2	Benzene	0.16	U	0.16	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.24	U	0.24	5.00	ug/L
79-01-6	Trichloroethene	0.32	U	0.32	5.00	ug/L
127-18-4	Tetrachloroethene	0.25	U	0.25	5.00	ug/L
108-90-7	Chlorobenzene	0.13	U	0.13	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.5		70 (74) - 130 (125)	101%	SPK: 50
1868-53-7	Dibromofluoromethane	46.1		70 (75) - 130 (124)	92%	SPK: 50
2037-26-5	Toluene-d8	46.1		70 (86) - 130 (113)	92%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.3		70 (77) - 130 (121)	91%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	172000	8.224			
540-36-3	1,4-Difluorobenzene	308000	9.1			
3114-55-4	Chlorobenzene-d5	271000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	119000	13.788			

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

Report of Analysis

Client:	ENTACT	Date Collected:	10/31/24
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	10/31/24
Client Sample ID:	WC-WOOD-01-G	SDG No.:	P4660
Lab Sample ID:	P4660-05	Matrix:	TCLP
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :	SW5035		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084659.D	1		11/04/24 15:53	VN110424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.34	U	0.34	5.00	ug/L
75-35-4	1,1-Dichloroethene	0.26	U	0.26	5.00	ug/L
78-93-3	2-Butanone	1.30	U	1.30	25.0	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	5.00	ug/L
67-66-3	Chloroform	0.26	U	0.26	5.00	ug/L
71-43-2	Benzene	0.16	U	0.16	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.24	U	0.24	5.00	ug/L
79-01-6	Trichloroethene	0.32	U	0.32	5.00	ug/L
127-18-4	Tetrachloroethene	0.25	U	0.25	5.00	ug/L
108-90-7	Chlorobenzene	0.13	U	0.13	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.3		70 (74) - 130 (125)	99%	SPK: 50
1868-53-7	Dibromofluoromethane	48.1		70 (75) - 130 (124)	96%	SPK: 50
2037-26-5	Toluene-d8	49.0		70 (86) - 130 (113)	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.0		70 (77) - 130 (121)	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	171000	8.218			
540-36-3	1,4-Difluorobenzene	304000	9.1			
3114-55-4	Chlorobenzene-d5	288000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	139000	13.788			

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

Report of Analysis

Client:	ENTACT	Date Collected:	10/31/24
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	10/31/24
Client Sample ID:	WC-CONCRETE-01-G	SDG No.:	P4660
Lab Sample ID:	P4660-09	Matrix:	TCLP
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :	SW5035		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084661.D	1		11/04/24 16:41	VN110424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.34	U	0.34	5.00	ug/L
75-35-4	1,1-Dichloroethene	0.26	U	0.26	5.00	ug/L
78-93-3	2-Butanone	1.30	U	1.30	25.0	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	5.00	ug/L
67-66-3	Chloroform	0.26	U	0.26	5.00	ug/L
71-43-2	Benzene	0.16	U	0.16	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.24	U	0.24	5.00	ug/L
79-01-6	Trichloroethene	0.32	U	0.32	5.00	ug/L
127-18-4	Tetrachloroethene	0.25	U	0.25	5.00	ug/L
108-90-7	Chlorobenzene	0.13	U	0.13	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	46.5		70 (74) - 130 (125)	93%	SPK: 50
1868-53-7	Dibromofluoromethane	46.1		70 (75) - 130 (124)	92%	SPK: 50
2037-26-5	Toluene-d8	47.6		70 (86) - 130 (113)	95%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.5		70 (77) - 130 (121)	103%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	183000	8.218			
540-36-3	1,4-Difluorobenzene	318000	9.1			
3114-55-4	Chlorobenzene-d5	293000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	142000	13.788			

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



QC SUMMARY

Surrogate Summary

SDG No.: P4660

Client: ENTACT

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
P4660-01	WC-TA2-01-G	1,2-Dichloroethane-d4	50	50.5	101	70 (74)	130 (125)
		Dibromofluoromethane	50	46.1	92	70 (75)	130 (124)
		Toluene-d8	50	46.1	92	70 (86)	130 (113)
		4-Bromofluorobenzene	50	45.3	91	70 (77)	130 (121)
P4660-05	WC-WOOD-01-G	1,2-Dichloroethane-d4	50	49.3	99	70 (74)	130 (125)
		Dibromofluoromethane	50	48.1	96	70 (75)	130 (124)
		Toluene-d8	50	49.0	98	70 (86)	130 (113)
		4-Bromofluorobenzene	50	50.0	100	70 (77)	130 (121)
P4660-09	WC-CONCRETE-01-G	1,2-Dichloroethane-d4	50	46.5	93	70 (74)	130 (125)
		Dibromofluoromethane	50	46.1	92	70 (75)	130 (124)
		Toluene-d8	50	47.6	95	70 (86)	130 (113)
		4-Bromofluorobenzene	50	51.5	103	70 (77)	130 (121)

Surrogate Summary

SDG No.: P4660

Client: ENTACT

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
VN1104WBL01	VN1104WBL01	1,2-Dichloroethane-d4	50	49.3	98	70 (74)	130 (125)
		Dibromofluoromethane	50	49.8	100	70 (75)	130 (124)
		Toluene-d8	50	46.9	94	70 (86)	130 (113)
		4-Bromofluorobenzene	50	45.1	90	70 (77)	130 (121)
VN1104WBS01	VN1104WBS01	1,2-Dichloroethane-d4	50	47.2	94	70 (74)	130 (125)
		Dibromofluoromethane	50	49.6	99	70 (75)	130 (124)
		Toluene-d8	50	49.7	99	70 (86)	130 (113)
		4-Bromofluorobenzene	50	51.4	103	70 (77)	130 (121)
VN1104WBSD0	VN1104WBSD01	1,2-Dichloroethane-d4	50	48.1	96	70 (74)	130 (125)
		Dibromofluoromethane	50	48.0	96	70 (75)	130 (124)
		Toluene-d8	50	49.0	98	70 (86)	130 (113)
		4-Bromofluorobenzene	50	47.9	96	70 (77)	130 (121)

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4660
Client: ENTACT
Analytical Method: SW8260-Low Datafile : VN084648.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VN1104WBS01	Vinyl chloride	20	18.1	ug/L	91			70 (65)	130 (117)	
	1,1-Dichloroethene	20	17.5	ug/L	88			70 (74)	130 (110)	
	2-Butanone	100	93.0	ug/L	93			40 (65)	160 (122)	
	Carbon Tetrachloride	20	19.0	ug/L	95			70 (77)	130 (113)	
	Chloroform	20	18.6	ug/L	93			70 (79)	130 (113)	
	Benzene	20	18.3	ug/L	92			70 (82)	130 (109)	
	1,2-Dichloroethane	20	18.8	ug/L	94			70 (80)	130 (115)	
	Trichloroethene	20	18.2	ug/L	91			70 (77)	130 (113)	
	Tetrachloroethene	20	17.9	ug/L	90			70 (67)	130 (123)	
	Chlorobenzene	20	17.3	ug/L	86			70 (82)	130 (109)	

() = LABORATORY INHOUSE LIMIT

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4660
Client: ENTACT
Analytical Method: SW8260-Low Datafile : VN084649.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VN1104WBSD01	Vinyl chloride	20	18.6	ug/L	93	2		70 (65)	130 (117)	20 (20)
	1,1-Dichloroethene	20	18.0	ug/L	90	2		70 (74)	130 (110)	20 (20)
	2-Butanone	100	99.4	ug/L	99	6		40 (65)	160 (122)	20 (20)
	Carbon Tetrachloride	20	19.2	ug/L	96	1		70 (77)	130 (113)	20 (20)
	Chloroform	20	19.8	ug/L	99	6		70 (79)	130 (113)	20 (20)
	Benzene	20	19.1	ug/L	96	4		70 (82)	130 (109)	20 (20)
	1,2-Dichloroethane	20	19.7	ug/L	99	5		70 (80)	130 (115)	20 (20)
	Trichloroethene	20	18.7	ug/L	94	3		70 (77)	130 (113)	20 (20)
	Tetrachloroethene	20	19.4	ug/L	97	7		70 (67)	130 (123)	20 (20)
	Chlorobenzene	20	19.0	ug/L	95	10		70 (82)	130 (109)	20 (20)

() = LABORATORY INHOUSE LIMIT

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN1104WBL01

Lab Name: CHEMTECH

Contract: ENTA05

Lab Code: CHEM Case No.: P4660

SAS No.: P4660 SDG NO.: P4660

Lab File ID: VN084647.D

Lab Sample ID: VN1104WBL01

Date Analyzed: 11/04/2024

Time Analyzed: 10:38

GC Column: RXI-624 ID: 0.25 (mm)

Heated Purge: (Y/N) N

Instrument ID: MSVOA_N

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VN1104WBS01	VN1104WBS01	VN084648.D	11/04/2024
VN1104WBSD01	VN1104WBSD01	VN084649.D	11/04/2024
WC-TA2-01-G	P4660-01	VN084657.D	11/04/2024
WC-WOOD-01-G	P4660-05	VN084659.D	11/04/2024
WC-CONCRETE-01-G	P4660-09	VN084661.D	11/04/2024

COMMENTS: _____

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: ENTA05
Lab Code: CHEM Case No.: P4660 SAS No.: P4660 SDG NO.: P4660
Lab File ID: VN084569.D BFB Injection Date: 10/30/2024
Instrument ID: MSVOA_N BFB Injection Time: 10:42
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.5
75	30.0 - 60.0% of mass 95	50.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.2
173	Less than 2.0% of mass 174	1.2 (1.6) 1
174	50.0 - 100.0% of mass 95	73.5
175	5.0 - 9.0% of mass 174	5.7 (7.7) 1
176	95.0 - 101.0% of mass 174	70.1 (95.4) 1
177	5.0 - 9.0% of mass 176	4.8 (6.9) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC100	VSTDICC100	VN084570.D	10/30/2024	11:46
VSTDICCC050	VSTDICCC050	VN084571.D	10/30/2024	12:09
VSTDICC020	VSTDICC020	VN084572.D	10/30/2024	12:33
VSTDICC010	VSTDICC010	VN084573.D	10/30/2024	12:57
VSTDICC005	VSTDICC005	VN084574.D	10/30/2024	13:21
VSTDICC001	VSTDICC001	VN084575.D	10/30/2024	13:45

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: ENTA05
Lab Code: CHEM Case No.: P4660 SAS No.: P4660 SDG NO.: P4660
Lab File ID: VN084644.D BFB Injection Date: 11/04/2024
Instrument ID: MSVOA_N BFB Injection Time: 08:22
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	17.5
75	30.0 - 60.0% of mass 95	51.8
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.5 (0.7) 1
174	50.0 - 100.0% of mass 95	73.3
175	5.0 - 9.0% of mass 174	5.1 (7) 1
176	95.0 - 101.0% of mass 174	72 (98.3) 1
177	5.0 - 9.0% of mass 176	5 (6.9) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VN084645.D	11/04/2024	09:32
VN1104WBL01	VN1104WBL01	VN084647.D	11/04/2024	10:38
VN1104WBS01	VN1104WBS01	VN084648.D	11/04/2024	11:14
VN1104WBSD01	VN1104WBSD01	VN084649.D	11/04/2024	11:38
WC-TA2-01-G	P4660-01	VN084657.D	11/04/2024	15:05
WC-WOOD-01-G	P4660-05	VN084659.D	11/04/2024	15:53
WC-CONCRETE-01-G	P4660-09	VN084661.D	11/04/2024	16:41

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: ENTA05
Lab Code: CHEM Case No.: P4660 SAS No.: P4660 SDG NO.: P4660
Lab File ID: VN084645.D Date Analyzed: 11/04/2024
Instrument ID: MSVOA_N Time Analyzed: 09:32
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	188408	8.22	303241	9.10	268457	11.86
UPPER LIMIT	376816	8.718	606482	9.6	536914	12.359
LOWER LIMIT	94204	7.718	151621	8.6	134229	11.359
EPA SAMPLE NO.						
WC-TA2-01-G	171677	8.22	307928	9.10	271085	11.87
WC-WOOD-01-G	170730	8.22	303877	9.10	288279	11.87
WC-CONCRETE-01-G	183096	8.22	318203	9.10	292659	11.87
VN1104WBL01	181983	8.22	315820	9.09	273716	11.86
VN1104WBS01	191080	8.22	315901	9.09	287009	11.87
VN1104WBSD01	179675	8.22	301837	9.10	269118	11.87

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: ENTA05
 Lab Code: CHEM Case No.: P4660 SAS No.: P4660 SDG NO.: P4660
 Lab File ID: VN084645.D Date Analyzed: 11/04/2024
 Instrument ID: MSVOA_N Time Analyzed: 09:32
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	143756	13.788				
UPPER LIMIT	287512	14.288				
LOWER LIMIT	71878	13.288				
EPA SAMPLE NO.						
WC-TA2-01-G	119210	13.79				
WC-WOOD-01-G	139356	13.79				
WC-CONCRETE-01-G	141822	13.79				
VN1104WBL01	126703	13.79				
VN1104WBS01	156261	13.79				
VN1104WBSD01	133565	13.79				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = -50% of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
 * Values outside of QC limits.



QC SAMPLE DATA

Report of Analysis

Client:	ENTACT		Date Collected:		
Project:	540 Degraw St, Brooklyn, NY - E9309		Date Received:		
Client Sample ID:	VN1104WBL01		SDG No.:	P4660	
Lab Sample ID:	VN1104WBL01		Matrix:	TCLP	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	TCLP VOA	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084647.D	1		11/04/24 10:38	VN110424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.34	U	0.34	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.26	U	0.26	1.00	ug/L
78-93-3	2-Butanone	1.30	U	1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
67-66-3	Chloroform	0.26	U	0.26	1.00	ug/L
71-43-2	Benzene	0.16	U	0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.24	U	0.24	1.00	ug/L
79-01-6	Trichloroethene	0.32	U	0.32	1.00	ug/L
127-18-4	Tetrachloroethene	0.25	U	0.25	1.00	ug/L
108-90-7	Chlorobenzene	0.13	U	0.13	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.2		70 (74) - 130 (125)	98%	SPK: 50
1868-53-7	Dibromofluoromethane	49.8		70 (75) - 130 (124)	100%	SPK: 50
2037-26-5	Toluene-d8	46.9		70 (86) - 130 (113)	94%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.1		70 (77) - 130 (121)	90%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	182000	8.218			
540-36-3	1,4-Difluorobenzene	316000	9.094			
3114-55-4	Chlorobenzene-d5	274000	11.859			
3855-82-1	1,4-Dichlorobenzene-d4	127000	13.788			

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

Report of Analysis

Client:	ENTACT		Date Collected:		
Project:	540 Degraw St, Brooklyn, NY - E9309		Date Received:		
Client Sample ID:	VN1104WBS01		SDG No.:	P4660	
Lab Sample ID:	VN1104WBS01		Matrix:	TCLP	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	TCLP VOA	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084648.D	1		11/04/24 11:14	VN110424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	18.1		0.34	1.00	ug/L
75-35-4	1,1-Dichloroethene	17.5		0.26	1.00	ug/L
78-93-3	2-Butanone	93.0		1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.0		0.25	1.00	ug/L
67-66-3	Chloroform	18.6		0.26	1.00	ug/L
71-43-2	Benzene	18.3		0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	18.8		0.24	1.00	ug/L
79-01-6	Trichloroethene	18.2		0.32	1.00	ug/L
127-18-4	Tetrachloroethene	17.9		0.25	1.00	ug/L
108-90-7	Chlorobenzene	17.3		0.13	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.2		70 (74) - 130 (125)	94%	SPK: 50
1868-53-7	Dibromofluoromethane	49.6		70 (75) - 130 (124)	99%	SPK: 50
2037-26-5	Toluene-d8	49.7		70 (86) - 130 (113)	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.4		70 (77) - 130 (121)	103%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	191000	8.218			
540-36-3	1,4-Difluorobenzene	316000	9.094			
3114-55-4	Chlorobenzene-d5	287000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	156000	13.788			

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

Report of Analysis

Client:	ENTACT		Date Collected:		
Project:	540 Degraw St, Brooklyn, NY - E9309		Date Received:		
Client Sample ID:	VN1104WBSD01		SDG No.:	P4660	
Lab Sample ID:	VN1104WBSD01		Matrix:	TCLP	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	TCLP VOA	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084649.D	1		11/04/24 11:38	VN110424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	18.6		0.34	1.00	ug/L
75-35-4	1,1-Dichloroethene	18.0		0.26	1.00	ug/L
78-93-3	2-Butanone	99.4		1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.2		0.25	1.00	ug/L
67-66-3	Chloroform	19.8		0.26	1.00	ug/L
71-43-2	Benzene	19.1		0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	19.7		0.24	1.00	ug/L
79-01-6	Trichloroethene	18.7		0.32	1.00	ug/L
127-18-4	Tetrachloroethene	19.4		0.25	1.00	ug/L
108-90-7	Chlorobenzene	19.0		0.13	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.1		70 (74) - 130 (125)	96%	SPK: 50
1868-53-7	Dibromofluoromethane	48.1		70 (75) - 130 (124)	96%	SPK: 50
2037-26-5	Toluene-d8	49.0		70 (86) - 130 (113)	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.9		70 (77) - 130 (121)	96%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	180000	8.218			
540-36-3	1,4-Difluorobenzene	302000	9.1			
3114-55-4	Chlorobenzene-d5	269000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	134000	13.788			

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



CALIBRATION SUMMARY

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: ENTA05

Lab Code: CHEM Case No.: P4660 SAS No.: P4660 SDG No.: P4660

Instrument ID: MSVOA_N Calibration Date(s): 10/30/2024 10/30/2024

Heated Purge: (Y/N) N Calibration Time(s): 11:46 13:45

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID:		RRF100 = VN084570.D		RRF050 = VN084571.D		RRF020 = VN084572.D		
		RRF010 = VN084573.D		RRF005 = VN084574.D		RRF001 = VN084575.D		
COMPOUND	RRF100	RRF050	RRF020	RRF010	RRF005	RRF001	RRF	% RSD
Vinyl Chloride	0.613	0.605	0.623	0.636	0.651	0.581	0.618	4
1,1-Dichloroethene	0.548	0.538	0.560	0.575	0.552	0.644	0.569	6.8
2-Butanone	0.316	0.315	0.348	0.338	0.370	0.334	0.337	6.1
Carbon Tetrachloride	0.530	0.514	0.532	0.548	0.537	0.488	0.525	4
Chloroform	1.099	1.086	1.142	1.154	1.222	1.025	1.121	6
Benzene	1.494	1.448	1.509	1.507	1.546	1.540	1.507	2.4
1,2-Dichloroethane	0.488	0.494	0.493	0.492	0.503	0.459	0.488	3.1
Trichloroethene	0.339	0.335	0.345	0.338	0.341	0.387	0.348	5.7
Tetrachloroethene	0.326	0.313	0.333	0.347	0.351	0.325	0.333	4.3
Chlorobenzene	1.068	1.061	1.149	1.123	1.165	1.146	1.119	3.9
1,2-Dichloroethane-d4	0.689	0.721	0.708	0.722	0.771		0.722	4.2
Dibromofluoromethane	0.334	0.344	0.326	0.336	0.353		0.338	3.1
Toluene-d8	1.267	1.303	1.216	1.231	1.217		1.247	3
4-Bromofluorobenzene	0.481	0.493	0.450	0.451	0.454		0.466	4.3

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: ENTA05

Lab Code: CHEM Case No.: P4660 SAS No.: P4660 SDG No.: P4660

Instrument ID: MSVOA_N Calibration Date/Time: 11/04/2024 09:32

Lab File ID: VN084645.D Init. Calib. Date(s): 10/30/2024 10/30/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:46 13:45

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Vinyl Chloride	0.618	0.560		-9.39	20
1,1-Dichloroethene	0.569	0.504		-11.42	20
2-Butanone	0.337	0.308		-8.6	20
Carbon Tetrachloride	0.525	0.519		-1.14	20
Chloroform	1.121	1.059		-5.53	20
Benzene	1.507	1.441		-4.38	20
1,2-Dichloroethane	0.488	0.470		-3.69	20
Trichloroethene	0.348	0.332		-4.6	20
Tetrachloroethene	0.333	0.334		0.3	20
Chlorobenzene	1.119	1.037	0.3	-7.33	20
1,2-Dichloroethane-d4	0.722	0.646		-10.53	20
Dibromofluoromethane	0.338	0.328		-2.96	20
Toluene-d8	1.247	1.211		-2.89	20
4-Bromofluorobenzene	0.466	0.475		1.93	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

LAB CHRONICLE

OrderID:	P4660	OrderDate:	10/31/2024 2:38:00 PM
Client:	ENTACT	Project:	540 Degraw St, Brooklyn, NY - E9309
Contact:	Jarod Stanfield	Location:	K41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4660-03	WC-TA2-01-C	TCLP	TCLP BNA	8270E	10/30/24	11/05/24	11/05/24	10/31/24
P4660-07	WC-WOOD-01-C	TCLP	TCLP BNA	8270E	10/31/24	11/05/24	11/07/24	10/31/24
P4660-11	WC-CONCRETE-01-C	TCLP	TCLP BNA	8270E	10/31/24	11/05/24	11/06/24	10/31/24



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Hit Summary Sheet
SW-846

SDG No.: P4660
Client: ENTACT

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : P4660-07	WC-WOOD-01-C WC-WOOD-01-C	TCLP	2-Methylphenol	20.700	J	11.3	50	ug/L
Total Svoc :				20.70				
Total Concentration:				20.70				



SAMPLE DATA

Report of Analysis

Client:	ENTACT		Date Collected:	10/30/24	
Project:	540 Degraw St, Brooklyn, NY - E9309		Date Received:	10/31/24	
Client Sample ID:	WC-TA2-01-C		SDG No.:	P4660	
Lab Sample ID:	P4660-03		Matrix:	TCLP	
Analytical Method:	SW8270		% Solid:	0	
Sample Wt/Vol:	100	Units: mL	Final Vol:	1000	uL
Soil Aliquot Vol:		uL	Test:	TCLP BNA	
Extraction Type :		Decanted : N	Level :	LOW	
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101488.D	1	11/05/24 08:54	11/05/24 20:27	PB164561

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	15.5	U	15.5	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	8.40	U	8.40	50.0	ug/L
95-48-7	2-Methylphenol	11.3	U	11.3	50.0	ug/L
65794-96-9	3+4-Methylphenols	11.5	U	11.5	100	ug/L
67-72-1	Hexachloroethane	10.1	U	10.1	50.0	ug/L
98-95-3	Nitrobenzene	12.7	U	12.7	50.0	ug/L
87-68-3	Hexachlorobutadiene	12.7	U	12.7	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	8.90	U	8.90	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	10.1	U	10.1	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	15.2	U	15.2	50.0	ug/L
118-74-1	Hexachlorobenzene	11.4	U	11.4	50.0	ug/L
87-86-5	Pentachlorophenol	18.5	U	18.5	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	164		15 (10) - 110 (139)	110%	SPK: 150
13127-88-3	Phenol-d6	151		15 (10) - 110 (134)	101%	SPK: 150
4165-60-0	Nitrobenzene-d5	102		30 (49) - 130 (133)	102%	SPK: 100
321-60-8	2-Fluorobiphenyl	101		30 (52) - 130 (132)	101%	SPK: 100
118-79-6	2,4,6-Tribromophenol	170	*	15 (44) - 110 (137)	113%	SPK: 150
1718-51-0	Terphenyl-d14	106		30 (48) - 130 (125)	106%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	57300	7.57			
1146-65-2	Naphthalene-d8	246000	10.338			
15067-26-2	Acenaphthene-d10	174000	14.18			
1517-22-2	Phenanthrene-d10	416000	16.912			
1719-03-5	Chrysene-d12	485000	21.072			
1520-96-3	Perylene-d12	619000	23.363			

Report of Analysis

Client:	ENTACT		Date Collected:	10/30/24	
Project:	540 Degraw St, Brooklyn, NY - E9309		Date Received:	10/31/24	
Client Sample ID:	WC-TA2-01-C		SDG No.:	P4660	
Lab Sample ID:	P4660-03		Matrix:	TCLP	
Analytical Method:	SW8270		% Solid:	0	
Sample Wt/Vol:	100	Units: mL	Final Vol:	1000	uL
Soil Aliquot Vol:		uL	Test:	TCLP BNA	
Extraction Type :		Decanted : N	Level :	LOW	
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101488.D	1	11/05/24 08:54	11/05/24 20:27	PB164561

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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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

Report of Analysis

Client:	ENTACT		Date Collected:	10/31/24	
Project:	540 Degraw St, Brooklyn, NY - E9309		Date Received:	10/31/24	
Client Sample ID:	WC-WOOD-01-C		SDG No.:	P4660	
Lab Sample ID:	P4660-07		Matrix:	TCLP	
Analytical Method:	SW8270		% Solid:	0	
Sample Wt/Vol:	100	Units: mL	Final Vol:	1000	uL
Soil Aliquot Vol:		uL	Test:	TCLP BNA	
Extraction Type :		Decanted : N	Level :	LOW	
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101516.D	1	11/05/24 08:54	11/07/24 03:38	PB164561

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	15.5	U	15.5	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	8.40	U	8.40	50.0	ug/L
95-48-7	2-Methylphenol	20.7	J	11.3	50.0	ug/L
65794-96-9	3+4-Methylphenols	11.5	U	11.5	100	ug/L
67-72-1	Hexachloroethane	10.1	U	10.1	50.0	ug/L
98-95-3	Nitrobenzene	12.7	U	12.7	50.0	ug/L
87-68-3	Hexachlorobutadiene	12.7	U	12.7	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	8.90	U	8.90	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	10.1	U	10.1	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	15.2	U	15.2	50.0	ug/L
118-74-1	Hexachlorobenzene	11.4	U	11.4	50.0	ug/L
87-86-5	Pentachlorophenol	18.5	U	18.5	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	160		15 (10) - 110 (139)	107%	SPK: 150
13127-88-3	Phenol-d6	146		15 (10) - 110 (134)	98%	SPK: 150
4165-60-0	Nitrobenzene-d5	104		30 (49) - 130 (133)	104%	SPK: 100
321-60-8	2-Fluorobiphenyl	99.3		30 (52) - 130 (132)	99%	SPK: 100
118-79-6	2,4,6-Tribromophenol	173	*	15 (44) - 110 (137)	115%	SPK: 150
1718-51-0	Terphenyl-d14	94.6		30 (48) - 130 (125)	95%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	43700		7.558		
1146-65-2	Naphthalene-d8	201000		10.325		
15067-26-2	Acenaphthene-d10	142000		14.168		
1517-22-2	Phenanthrene-d10	365000		16.906		
1719-03-5	Chrysene-d12	491000		21.066		
1520-96-3	Perylene-d12	503000		23.346		

Report of Analysis

Client:	ENTACT		Date Collected:	10/31/24	
Project:	540 Degraw St, Brooklyn, NY - E9309		Date Received:	10/31/24	
Client Sample ID:	WC-WOOD-01-C		SDG No.:	P4660	
Lab Sample ID:	P4660-07		Matrix:	TCLP	
Analytical Method:	SW8270		% Solid:	0	
Sample Wt/Vol:	100	Units: mL	Final Vol:	1000	uL
Soil Aliquot Vol:		uL	Test:	TCLP BNA	
Extraction Type :		Decanted : N	Level :	LOW	
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101516.D	1	11/05/24 08:54	11/07/24 03:38	PB164561

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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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

Report of Analysis

Client:	ENTACT	Date Collected:	10/31/24
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	10/31/24
Client Sample ID:	WC-CONCRETE-01-C	SDG No.:	P4660
Lab Sample ID:	P4660-11	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101507.D	1	11/05/24 08:54	11/06/24 22:15	PB164561

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	15.5	U	15.5	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	8.40	U	8.40	50.0	ug/L
95-48-7	2-Methylphenol	11.3	U	11.3	50.0	ug/L
65794-96-9	3+4-Methylphenols	11.5	U	11.5	100	ug/L
67-72-1	Hexachloroethane	10.1	U	10.1	50.0	ug/L
98-95-3	Nitrobenzene	12.7	U	12.7	50.0	ug/L
87-68-3	Hexachlorobutadiene	12.7	U	12.7	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	8.90	U	8.90	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	10.1	U	10.1	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	15.2	U	15.2	50.0	ug/L
118-74-1	Hexachlorobenzene	11.4	U	11.4	50.0	ug/L
87-86-5	Pentachlorophenol	18.5	U	18.5	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	176	*	15 (10) - 110 (139)	117%	SPK: 150
13127-88-3	Phenol-d6	153		15 (10) - 110 (134)	102%	SPK: 150
4165-60-0	Nitrobenzene-d5	118		30 (49) - 130 (133)	118%	SPK: 100
321-60-8	2-Fluorobiphenyl	111		30 (52) - 130 (132)	111%	SPK: 100
118-79-6	2,4,6-Tribromophenol	182	*	15 (44) - 110 (137)	121%	SPK: 150
1718-51-0	Terphenyl-d14	86.8		30 (48) - 130 (125)	87%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	47000	7.559			
1146-65-2	Naphthalene-d8	200000	10.332			
15067-26-2	Acenaphthene-d10	139000	14.169			
1517-22-2	Phenanthrene-d10	336000	16.907			
1719-03-5	Chrysene-d12	438000	21.066			
1520-96-3	Perylene-d12	583000	23.352			

Report of Analysis

Client:	ENTACT		Date Collected:	10/31/24	
Project:	540 Degraw St, Brooklyn, NY - E9309		Date Received:	10/31/24	
Client Sample ID:	WC-CONCRETE-01-C		SDG No.:	P4660	
Lab Sample ID:	P4660-11		Matrix:	TCLP	
Analytical Method:	SW8270		% Solid:	0	
Sample Wt/Vol:	100	Units: mL	Final Vol:	1000	uL
Soil Aliquot Vol:		uL	Test:	TCLP BNA	
Extraction Type :		Decanted : N	Level :	LOW	
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101507.D	1	11/05/24 08:54	11/06/24 22:15	PB164561

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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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

Report of Analysis

Client:	ENTACT	Date Collected:	11/05/24
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	11/05/24
Client Sample ID:	PB164561TB	SDG No.:	P4660
Lab Sample ID:	PB164561TB	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101505.D	1	11/05/24 08:54	11/06/24 21:04	PB164561

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	15.5	U	15.5	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	8.40	U	8.40	50.0	ug/L
95-48-7	2-Methylphenol	11.3	U	11.3	50.0	ug/L
65794-96-9	3+4-Methylphenols	11.5	U	11.5	100	ug/L
67-72-1	Hexachloroethane	10.1	U	10.1	50.0	ug/L
98-95-3	Nitrobenzene	12.7	U	12.7	50.0	ug/L
87-68-3	Hexachlorobutadiene	12.7	U	12.7	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	8.90	U	8.90	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	10.1	U	10.1	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	15.2	U	15.2	50.0	ug/L
118-74-1	Hexachlorobenzene	11.4	U	11.4	50.0	ug/L
87-86-5	Pentachlorophenol	18.5	U	18.5	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	157		15 (10) - 110 (139)	104%	SPK: 150
13127-88-3	Phenol-d6	142		15 (10) - 110 (134)	95%	SPK: 150
4165-60-0	Nitrobenzene-d5	97.6		30 (49) - 130 (133)	98%	SPK: 100
321-60-8	2-Fluorobiphenyl	101		30 (52) - 130 (132)	101%	SPK: 100
118-79-6	2,4,6-Tribromophenol	141		15 (44) - 110 (137)	94%	SPK: 150
1718-51-0	Terphenyl-d14	97.6		30 (48) - 130 (125)	98%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	53900	7.565			
1146-65-2	Naphthalene-d8	224000	10.326			
15067-26-2	Acenaphthene-d10	147000	14.169			
1517-22-2	Phenanthrene-d10	335000	16.907			
1719-03-5	Chrysene-d12	421000	21.067			
1520-96-3	Perylene-d12	610000	23.352			

Report of Analysis

Client:	ENTACT		Date Collected:	11/05/24	
Project:	540 Degraw St, Brooklyn, NY - E9309		Date Received:	11/05/24	
Client Sample ID:	PB164561TB		SDG No.:	P4660	
Lab Sample ID:	PB164561TB		Matrix:	TCLP	
Analytical Method:	SW8270		% Solid:	0	
Sample Wt/Vol:	100	Units: mL	Final Vol:	1000	uL
Soil Aliquot Vol:		uL	Test:	TCLP BNA	
Extraction Type :		Decanted : N	Level :	LOW	
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101505.D	1	11/05/24 08:54	11/06/24 21:04	PB164561

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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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



QC SUMMARY

Surrogate Summary

SW-846

SDG No.: P4660

Client: ENTACT

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
P4640-04MS	MH-3MS	2-Fluorophenol	150	141	94		15 (10)	110 (139)
		Phenol-d6	150	128	86		15 (10)	110 (134)
		Nitrobenzene-d5	100	90.9	91		30 (49)	130 (133)
		2-Fluorobiphenyl	100	93.2	93		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	141	94		15 (44)	110 (137)
		Terphenyl-d14	100	95.6	96		30 (48)	130 (125)
P4640-04MSD	MH-3MSD	2-Fluorophenol	150	150	100		15 (10)	110 (139)
		Phenol-d6	150	138	92		15 (10)	110 (134)
		Nitrobenzene-d5	100	94.8	95		30 (49)	130 (133)
		2-Fluorobiphenyl	100	97.4	97		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	146	98		15 (44)	110 (137)
		Terphenyl-d14	100	97.8	98		30 (48)	130 (125)
P4660-03	WC-TA2-01-C	2-Fluorophenol	150	164	110		15 (10)	110 (139)
		Phenol-d6	150	151	101		15 (10)	110 (134)
		Nitrobenzene-d5	100	102	102		30 (49)	130 (133)
		2-Fluorobiphenyl	100	101	101		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	170	113	*	15 (44)	110 (137)
		Terphenyl-d14	100	106	106		30 (48)	130 (125)
P4660-07	WC-WOOD-01-C	2-Fluorophenol	150	160	107		15 (10)	110 (139)
		Phenol-d6	150	146	98		15 (10)	110 (134)
		Nitrobenzene-d5	100	104	104		30 (49)	130 (133)
		2-Fluorobiphenyl	100	99.3	99		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	173	115	*	15 (44)	110 (137)
		Terphenyl-d14	100	94.6	95		30 (48)	130 (125)
P4660-11	WC-CONCRETE-01-C	2-Fluorophenol	150	176	117	*	15 (10)	110 (139)
		Phenol-d6	150	153	102		15 (10)	110 (134)
		Nitrobenzene-d5	100	118	118		30 (49)	130 (133)
		2-Fluorobiphenyl	100	111	111		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	182	121	*	15 (44)	110 (137)
		Terphenyl-d14	100	86.8	87		30 (48)	130 (125)
PB164561BL	PB164561BL	2-Fluorophenol	150	162	108		15 (10)	110 (139)
		Phenol-d6	150	146	97		15 (10)	110 (134)
		Nitrobenzene-d5	100	102	102		30 (49)	130 (133)
		2-Fluorobiphenyl	100	106	106		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	147	98		15 (44)	110 (137)
		Terphenyl-d14	100	101	101		30 (48)	130 (125)
PB164561BS	PB164561BS	2-Fluorophenol	150	147	98		15 (10)	110 (139)
		Phenol-d6	150	136	91		15 (10)	110 (134)
		Nitrobenzene-d5	100	91.0	91		30 (49)	130 (133)
		2-Fluorobiphenyl	100	97.3	97		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	131	88		15 (44)	110 (137)
		Terphenyl-d14	100	94.2	94		30 (48)	130 (125)
PB164561TB	PB164561TB	2-Fluorophenol	150	157	104		15 (10)	110 (139)
		Phenol-d6	150	142	95		15 (10)	110 (134)
		Nitrobenzene-d5	100	97.6	98		30 (49)	130 (133)
		2-Fluorobiphenyl	100	101	101		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	141	94		15 (44)	110 (137)
		Terphenyl-d14	100	97.6	98		30 (48)	130 (125)

() = LABORATORY INHOUSE LIMIT

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4660

Client: ENTACT

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: P4640-04MS		Client Sample ID: MH-3MS		DataFile: BE101481.D							
Pyridine	500	0	260	ug/L	52				20 (10)	160 (109)	
1,4-Dichlorobenzene	500	0	260	ug/L	52	*			70 (55)	130 (125)	
2-Methylphenol	500	0	400	ug/L	80				70 (37)	130 (126)	
3+4-Methylphenols	500	0	410	ug/L	82				20 (31)	160 (127)	
Hexachloroethane	500	0	260	ug/L	52				20 (49)	160 (110)	
Nitrobenzene	500	0	370	ug/L	74				70 (62)	130 (112)	
Hexachlorobutadiene	500	0	330	ug/L	66	*			70 (52)	130 (125)	
2,4,6-Trichlorophenol	500	0	500	ug/L	100				70 (78)	130 (112)	
2,4,5-Trichlorophenol	500	0	480	ug/L	96				70 (71)	130 (111)	
2,4-Dinitrotoluene	500	0	460	ug/L	92				70 (50)	130 (142)	
Hexachlorobenzene	500	0	470	ug/L	94				70 (72)	130 (115)	
Pentachlorophenol	1000	0	990	ug/L	99				20 (25)	160 (139)	

() = LABORATORY INHOUSE LIMIT

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4660

Client: ENTACT

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: P4640-04MSD		Client Sample ID: MH-3MSD		DataFile: BE101482.D							
Pyridine	500	0	270	ug/L	54		4		20 (10)	160 (109)	20 (20)
1,4-Dichlorobenzene	500	0	260	ug/L	52	*	0		70 (55)	130 (125)	20 (20)
2-Methylphenol	500	0	440	ug/L	88		10		70 (37)	130 (126)	20 (20)
3+4-Methylphenols	500	0	450	ug/L	90		9		20 (31)	160 (127)	20 (20)
Hexachloroethane	500	0	270	ug/L	54		4		20 (49)	160 (110)	20 (20)
Nitrobenzene	500	0	390	ug/L	78		5		70 (62)	130 (112)	20 (20)
Hexachlorobutadiene	500	0	340	ug/L	68	*	3		70 (52)	130 (125)	20 (20)
2,4,6-Trichlorophenol	500	0	530	ug/L	106		6		70 (78)	130 (112)	20 (20)
2,4,5-Trichlorophenol	500	0	510	ug/L	102		6		70 (71)	130 (111)	20 (20)
2,4-Dinitrotoluene	500	0	480	ug/L	96		4		70 (50)	130 (142)	20 (20)
Hexachlorobenzene	500	0	490	ug/L	98		4		70 (72)	130 (115)	20 (20)
Pentachlorophenol	1000	0	1000	ug/L	100		1		20 (25)	160 (139)	20 (20)

() = LABORATORY INHOUSE LIMIT

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4660

Client: ENTACT

Analytical Method: 8270E DataFile: BE101506.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB164561BS	Pyridine	50	37.3	ug/L	75				20 (29)	160 (97)		
	1,4-Dichlorobenzene	50	45.0	ug/L	90				70 (76)	130 (103)		
	2-Methylphenol	50	47.4	ug/L	95				70 (69)	130 (109)		
	3+4-Methylphenols	50	47.2	ug/L	94				20 (67)	160 (106)		
	Hexachloroethane	50	44.9	ug/L	90				20 (76)	160 (118)		
	Nitrobenzene	50	44.8	ug/L	90				70 (58)	130 (106)		
	Hexachlorobutadiene	50	44.2	ug/L	88				70 (69)	130 (101)		
	2,4,6-Trichlorophenol	50	49.4	ug/L	99				70 (61)	130 (110)		
	2,4,5-Trichlorophenol	50	47.5	ug/L	95				70 (70)	130 (106)		
	2,4-Dinitrotoluene	50	44.0	ug/L	88				70 (60)	130 (115)		
	Hexachlorobenzene	50	46.9	ug/L	94				70 (73)	130 (106)		
	Pentachlorophenol	100	98.3	ug/L	98				20 (47)	160 (114)		

() = LABORATORY INHOUSE LIMIT

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB164561BL

Lab Name: CHEMTECH

Contract: ENTA05

Lab Code: CHEM Case No.: P4660

SAS No.: P4660 SDG NO.: P4660

Lab File ID: BE101502.D

Lab Sample ID: PB164561BL

Instrument ID: BNA_E

Date Extracted: 11/05/2024

Matrix: (soil/water) water

Date Analyzed: 11/06/2024

Level: (low/med) LOW

Time Analyzed: 19:16

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
WC-CONCRETE-01-C	P4660-11	BE101507.D	11/06/2024
WC-WOOD-01-C	P4660-07	BE101516.D	11/07/2024
PB164561TB	PB164561TB	BE101505.D	11/06/2024
PB164561BS	PB164561BS	BE101506.D	11/06/2024
MH-3MS	P4640-04MS	BE101481.D	11/05/2024
MH-3MSD	P4640-04MSD	BE101482.D	11/05/2024
WC-TA2-01-C	P4660-03	BE101488.D	11/05/2024

COMMENTS: _____

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: ENTA05

Lab Code: CHEM

SAS No.: P4660 SDG NO.: P4660

Lab File ID: BE101388.D

DFTPP Injection Date: 10/28/2024

Instrument ID: BNA_E

DFTPP Injection Time: 10:51

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	17.8
68	Less than 2.0% of mass 69	0.3 (1.5) 1
69	Mass 69 relative abundance	18.3
70	Less than 2.0% of mass 69	0.0 (0.1) 1
127	10.0 - 80.0% of mass 198	27.1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	4
275	10.0 - 60.0% of mass 198	20
365	Greater than 1% of mass 198	3.2
441	Present, but less than mass 443	16.5
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	20.1 (20.1) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BE101389.D	10/28/2024	11:44
SSTDICC005	SSTDICC005	BE101390.D	10/28/2024	12:23
SSTDICC010	SSTDICC010	BE101391.D	10/28/2024	12:59
SSTDICC020	SSTDICC020	BE101392.D	10/28/2024	13:35
SSTDICCC040	SSTDICCC040	BE101393.D	10/28/2024	14:11
SSTDICC050	SSTDICC050	BE101394.D	10/28/2024	14:49
SSTDICC060	SSTDICC060	BE101395.D	10/28/2024	15:25
SSTDICC080	SSTDICC080	BE101396.D	10/28/2024	16:01

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: ENTA05

Lab Code: CHEM

SAS No.: P4660 SDG NO.: P4660

Lab File ID: BE101471.D

DFTPP Injection Date: 11/05/2024

Instrument ID: BNA_E

DFTPP Injection Time: 10:12

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	14
68	Less than 2.0% of mass 69	0.2 (1.5) 1
69	Mass 69 relative abundance	15.1
70	Less than 2.0% of mass 69	0.1 (0.5) 1
127	10.0 - 80.0% of mass 198	22
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	3.4
275	10.0 - 60.0% of mass 198	17.6
365	Greater than 1% of mass 198	2.9
441	Present, but less than mass 443	16.4
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.3 (19.3) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BE101472.D	11/05/2024	10:48
MH-3MS	P4640-04MS	BE101481.D	11/05/2024	16:16
MH-3MSD	P4640-04MSD	BE101482.D	11/05/2024	16:52
WC-TA2-01-C	P4660-03	BE101488.D	11/05/2024	20:27

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: ENTA05

Lab Code: CHEM

SAS No.: P4660 SDG NO.: P4660

Lab File ID: BE101491.D

DFTPP Injection Date: 11/06/2024

Instrument ID: BNA_E

DFTPP Injection Time: 11:40

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	14.8
68	Less than 2.0% of mass 69	0.2 (1.3) 1
69	Mass 69 relative abundance	16
70	Less than 2.0% of mass 69	0.1 (0.4) 1
127	10.0 - 80.0% of mass 198	23.5
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	3.6
275	10.0 - 60.0% of mass 198	18.3
365	Greater than 1% of mass 198	2.9
441	Present, but less than mass 443	16.4
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.6 (19.6) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BE101493.D	11/06/2024	13:51
SSTDICC005	SSTDICC005	BE101494.D	11/06/2024	14:27
SSTDICC010	SSTDICC010	BE101495.D	11/06/2024	15:03
SSTDICC020	SSTDICC020	BE101496.D	11/06/2024	15:39
SSTDICCC040	SSTDICCC040	BE101497.D	11/06/2024	16:14
SSTDICC050	SSTDICC050	BE101498.D	11/06/2024	16:50
SSTDICC060	SSTDICC060	BE101499.D	11/06/2024	17:26
SSTDICC080	SSTDICC080	BE101500.D	11/06/2024	18:02
PB164561BL	PB164561BL	BE101502.D	11/06/2024	19:16

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: ENTA05

Lab Code: CHEM

SAS No.: P4660 SDG NO.: P4660

Lab File ID: BE101503.D

DFTPP Injection Date: 11/06/2024

Instrument ID: BNA_E

DFTPP Injection Time: 19:52

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	15.4
68	Less than 2.0% of mass 69	0.1 (0.9) 1
69	Mass 69 relative abundance	16.3
70	Less than 2.0% of mass 69	0.1 (0.4) 1
127	10.0 - 80.0% of mass 198	23.3
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	3.6
275	10.0 - 60.0% of mass 198	18.4
365	Greater than 1% of mass 198	3
441	Present, but less than mass 443	16.1
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.6 (19.6) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BE101504.D	11/06/2024	20:28
PB164561TB	PB164561TB	BE101505.D	11/06/2024	21:04
PB164561BS	PB164561BS	BE101506.D	11/06/2024	21:40
WC-CONCRETE-01-C	P4660-11	BE101507.D	11/06/2024	22:15
WC-WOOD-01-C	P4660-07	BE101516.D	11/07/2024	03:38

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4660 SAS No.: P4660 SDG NO.: P4660

EPA Sample No.: SSTDCCC040 Date Analyzed: 11/05/2024

Lab File ID: BE101472.D Time Analyzed: 10:48

Instrument ID: BNA_E GC Column: ZB-GR ID: 0.25 (mm)

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	77150	7.57	373279	10.34	260925	14.18
UPPER LIMIT	154300	8.07	746558	10.838	521850	14.68
LOWER LIMIT	38575	7.07	186640	9.838	130463	13.68
EPA SAMPLE NO.						
01 MH-3MS	74749	7.57	324674	10.34	214275	14.18
02 MH-3MSD	70903	7.57	316494	10.34	211098	14.18
03 WC-TA2-01-C	57343	7.57	245737	10.34	174187	14.18

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4660 SAS No.: P4660 SDG NO.: P4660

EPA Sample No.: SSTDCCC040 Date Analyzed: 11/05/2024

Lab File ID: BE101472.D Time Analyzed: 10:48

Instrument ID: BNA_E GC Column: ZB-GR ID: 0.25 (mm)

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	585617	16.918	614200	21.084	775519	23.369
UPPER LIMIT	1171230	17.418	1228400	21.584	1551040	23.869
LOWER LIMIT	292809	16.418	307100	20.584	387760	22.869
EPA SAMPLE NO.						
01 MH-3MS	468131	16.92	544407	21.08	697857	23.37
02 MH-3MSD	458730	16.92	529239	21.08	687004	23.37
03 WC-TA2-01-C	416458	16.91	485314	21.07	618963	23.36

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4660 SAS No.: P4660 SDG NO.: P4660

EPA Sample No.: SSTDICCC040 Date Analyzed: 11/06/2024

Lab File ID: BE101497.D Time Analyzed: 16:14

Instrument ID: BNA_E GC Column: ZB-GR ID: 0.25 (mm)

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	65428	7.563	303330	10.33	215457	14.17
UPPER LIMIT	130856	8.063	606660	10.831	430914	14.673
LOWER LIMIT	32714	7.063	151665	9.831	107729	13.673
EPA SAMPLE NO.						
01 PB164561BL	49754	7.56	204369	10.33	133519	14.17

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4660 SAS No.: P4660 SDG NO.: P4660

EPA Sample No.: SSTDICCC040 Date Analyzed: 11/06/2024

Lab File ID: BE101497.D Time Analyzed: 16:14

Instrument ID: BNA_E GC Column: ZB-GR ID: 0.25 (mm)

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	491742	16.911	550275	21.077	716867	23.357
UPPER LIMIT	983484	17.411	1100550	21.577	1433730	23.857
LOWER LIMIT	245871	16.411	275138	20.577	358434	22.857
EPA SAMPLE NO.						
01 PB164561BL	306761	16.91	392502	21.07	573520	23.35

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4660 SAS No.: P4660 SDG NO.: P4660

EPA Sample No.: SSTDCCC040 Date Analyzed: 11/06/2024

Lab File ID: BE101504.D Time Analyzed: 20:28

Instrument ID: BNA_E GC Column: ZB-GR ID: 0.25 (mm)

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	70453	7.559	326960	10.33	230956	14.18
UPPER LIMIT	140906	8.059	653920	10.832	461912	14.675
LOWER LIMIT	35226.5	7.059	163480	9.832	115478	13.675
EPA SAMPLE NO.						
01 PB164561BS	49257	7.56	217361	10.33	139774	14.17
02 PB164561TB	53927	7.57	223555	10.33	146954	14.17
03 WC-CONCRETE-01-C	46975	7.56	200241	10.33	139072	14.17
04 WC-WOOD-01-C	43720	7.56	200694	10.33	141864	14.17

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4660 SAS No.: P4660 SDG NO.: P4660

EPA Sample No.: SSTDCCC040 Date Analyzed: 11/06/2024

Lab File ID: BE101504.D Time Analyzed: 20:28

Instrument ID: BNA_E GC Column: ZB-GR ID: 0.25 (mm)

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	529782	16.913	603519	21.072	779379	23.358
UPPER LIMIT	1059560	17.413	1207040	21.572	1558760	23.858
LOWER LIMIT	264891	16.413	301760	20.572	389690	22.858
EPA SAMPLE NO.						
01 PB164561BS	295636	16.91	377795	21.07	554255	23.35
02 PB164561TB	335497	16.91	420702	21.07	609595	23.35
03 WC-CONCRETE-01-C	335687	16.91	438455	21.07	582677	23.35
04 WC-WOOD-01-C	364933	16.91	491415	21.07	502658	23.35

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.



QC SAMPLE DATA

Report of Analysis

Client:	ENTACT		Date Collected:		
Project:	540 Degraw St, Brooklyn, NY - E9309		Date Received:		
Client Sample ID:	PB164561BL		SDG No.:	P4660	
Lab Sample ID:	PB164561BL		Matrix:	TCLP	
Analytical Method:	SW8270		% Solid:	0	
Sample Wt/Vol:	1000	Units: mL	Final Vol:	1000	uL
Soil Aliquot Vol:		uL	Test:	TCLP BNA	
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
BE101502.D	1	11/05/24 08:54	11/06/24 19:16	PB164561

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	1.60	U	1.60	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.84	U	0.84	5.00	ug/L
95-48-7	2-Methylphenol	1.10	U	1.10	5.00	ug/L
65794-96-9	3+4-Methylphenols	1.20	U	1.20	10.0	ug/L
67-72-1	Hexachloroethane	1.00	U	1.00	5.00	ug/L
98-95-3	Nitrobenzene	1.30	U	1.30	5.00	ug/L
87-68-3	Hexachlorobutadiene	1.30	U	1.30	5.00	ug/L
88-06-2	2,4,6-Trichlorophenol	0.89	U	0.89	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	1.00	U	1.00	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	1.50	U	1.50	5.00	ug/L
118-74-1	Hexachlorobenzene	1.10	U	1.10	5.00	ug/L
87-86-5	Pentachlorophenol	1.90	U	1.90	10.0	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	162		15 (10) - 110 (139)	108%	SPK: 150
13127-88-3	Phenol-d6	146		15 (10) - 110 (134)	97%	SPK: 150
4165-60-0	Nitrobenzene-d5	102		30 (49) - 130 (133)	102%	SPK: 100
321-60-8	2-Fluorobiphenyl	106		30 (52) - 130 (132)	106%	SPK: 100
118-79-6	2,4,6-Tribromophenol	147		15 (44) - 110 (137)	98%	SPK: 150
1718-51-0	Terphenyl-d14	101		30 (48) - 130 (125)	101%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	49800	7.564			
1146-65-2	Naphthalene-d8	204000	10.331			
15067-26-2	Acenaphthene-d10	134000	14.174			
1517-22-2	Phenanthrene-d10	307000	16.906			
1719-03-5	Chrysene-d12	393000	21.066			
1520-96-3	Perylene-d12	574000	23.351			

Report of Analysis

Client:	ENTACT		Date Collected:		
Project:	540 Degraw St, Brooklyn, NY - E9309		Date Received:		
Client Sample ID:	PB164561BL		SDG No.:	P4660	
Lab Sample ID:	PB164561BL		Matrix:	TCLP	
Analytical Method:	SW8270		% Solid:	0	
Sample Wt/Vol:	1000	Units: mL	Final Vol:	1000	uL
Soil Aliquot Vol:		uL	Test:	TCLP BNA	
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
BE101502.D	1	11/05/24 08:54	11/06/24 19:16	PB164561

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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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

Report of Analysis

Client:	ENTACT		Date Collected:		
Project:	540 Degraw St, Brooklyn, NY - E9309		Date Received:		
Client Sample ID:	PB164561BS		SDG No.:	P4660	
Lab Sample ID:	PB164561BS		Matrix:	TCLP	
Analytical Method:	SW8270		% Solid:	0	
Sample Wt/Vol:	1000	Units: mL	Final Vol:	1000	uL
Soil Aliquot Vol:		uL	Test:	TCLP BNA	
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
BE101506.D	1	11/05/24 08:54	11/06/24 21:40	PB164561

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	37.3		1.60	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	45.0		0.84	5.00	ug/L
95-48-7	2-Methylphenol	47.4		1.10	5.00	ug/L
65794-96-9	3+4-Methylphenols	47.2		1.20	10.0	ug/L
67-72-1	Hexachloroethane	44.9		1.00	5.00	ug/L
98-95-3	Nitrobenzene	44.8		1.30	5.00	ug/L
87-68-3	Hexachlorobutadiene	44.2		1.30	5.00	ug/L
88-06-2	2,4,6-Trichlorophenol	49.4		0.89	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	47.5		1.00	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	44.0		1.50	5.00	ug/L
118-74-1	Hexachlorobenzene	46.9		1.10	5.00	ug/L
87-86-5	Pentachlorophenol	98.3	E	1.90	10.0	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	147		15 (10) - 110 (139)	98%	SPK: 150
13127-88-3	Phenol-d6	136		15 (10) - 110 (134)	91%	SPK: 150
4165-60-0	Nitrobenzene-d5	91.0		30 (49) - 130 (133)	91%	SPK: 100
321-60-8	2-Fluorobiphenyl	97.3		30 (52) - 130 (132)	97%	SPK: 100
118-79-6	2,4,6-Tribromophenol	131		15 (44) - 110 (137)	88%	SPK: 150
1718-51-0	Terphenyl-d14	94.2		30 (48) - 130 (125)	94%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	49300		7.559		
1146-65-2	Naphthalene-d8	217000		10.326		
15067-26-2	Acenaphthene-d10	140000		14.169		
1517-22-2	Phenanthrene-d10	296000		16.907		
1719-03-5	Chrysene-d12	378000		21.072		
1520-96-3	Perylene-d12	554000		23.352		

Report of Analysis

Client:	ENTACT		Date Collected:	
Project:	540 Degraw St, Brooklyn, NY - E9309		Date Received:	
Client Sample ID:	PB164561BS		SDG No.:	P4660
Lab Sample ID:	PB164561BS		Matrix:	TCLP
Analytical Method:	SW8270		% Solid:	0
Sample Wt/Vol:	1000	Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:		uL	Test:	TCLP BNA
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
BE101506.D	1	11/05/24 08:54	11/06/24 21:40	PB164561

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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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

Report of Analysis

Client:	ENTACT		Date Collected:	10/30/24	
Project:	540 Degraw St, Brooklyn, NY - E9309		Date Received:	10/30/24	
Client Sample ID:	MH-3MS		SDG No.:	P4660	
Lab Sample ID:	P4640-04MS		Matrix:	TCLP	
Analytical Method:	SW8270		% Solid:	0	
Sample Wt/Vol:	100	Units: mL	Final Vol:	1000	uL
Soil Aliquot Vol:		uL	Test:	TCLP BNA	
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
BE101481.D	1	11/05/24 08:54	11/05/24 16:16	PB164561

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	260		15.5	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	260		8.40	50.0	ug/L
95-48-7	2-Methylphenol	400		11.3	50.0	ug/L
65794-96-9	3+4-Methylphenols	410		11.5	100	ug/L
67-72-1	Hexachloroethane	260		10.1	50.0	ug/L
98-95-3	Nitrobenzene	370		12.7	50.0	ug/L
87-68-3	Hexachlorobutadiene	330		12.7	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	500		8.90	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	480		10.1	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	460		15.2	50.0	ug/L
118-74-1	Hexachlorobenzene	470		11.4	50.0	ug/L
87-86-5	Pentachlorophenol	990	E	18.5	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	141		15 (10) - 110 (139)	94%	SPK: 150
13127-88-3	Phenol-d6	128		15 (10) - 110 (134)	86%	SPK: 150
4165-60-0	Nitrobenzene-d5	90.9		30 (49) - 130 (133)	91%	SPK: 100
321-60-8	2-Fluorobiphenyl	93.2		30 (52) - 130 (132)	93%	SPK: 100
118-79-6	2,4,6-Tribromophenol	141		15 (44) - 110 (137)	94%	SPK: 150
1718-51-0	Terphenyl-d14	95.6		30 (48) - 130 (125)	96%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	74700	7.571			
1146-65-2	Naphthalene-d8	325000	10.339			
15067-26-2	Acenaphthene-d10	214000	14.181			
1517-22-2	Phenanthrene-d10	468000	16.919			
1719-03-5	Chrysene-d12	544000	21.079			
1520-96-3	Perylene-d12	698000	23.37			

Report of Analysis

Client:	ENTACT		Date Collected:	10/30/24	
Project:	540 Degraw St, Brooklyn, NY - E9309		Date Received:	10/30/24	
Client Sample ID:	MH-3MS		SDG No.:	P4660	
Lab Sample ID:	P4640-04MS		Matrix:	TCLP	
Analytical Method:	SW8270		% Solid:	0	
Sample Wt/Vol:	100	Units: mL	Final Vol:	1000	uL
Soil Aliquot Vol:		uL	Test:	TCLP BNA	
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
BE101481.D	1	11/05/24 08:54	11/05/24 16:16	PB164561

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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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

Report of Analysis

Client:	ENTACT	Date Collected:	10/30/24
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	10/30/24
Client Sample ID:	MH-3MSD	SDG No.:	P4660
Lab Sample ID:	P4640-04MSD	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
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
BE101482.D	1	11/05/24 08:54	11/05/24 16:52	PB164561

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	270		15.5	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	260		8.40	50.0	ug/L
95-48-7	2-Methylphenol	440		11.3	50.0	ug/L
65794-96-9	3+4-Methylphenols	450		11.5	100	ug/L
67-72-1	Hexachloroethane	270		10.1	50.0	ug/L
98-95-3	Nitrobenzene	390		12.7	50.0	ug/L
87-68-3	Hexachlorobutadiene	340		12.7	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	530		8.90	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	510		10.1	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	480		15.2	50.0	ug/L
118-74-1	Hexachlorobenzene	490		11.4	50.0	ug/L
87-86-5	Pentachlorophenol	1000	E	18.5	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	150		15 (10) - 110 (139)	100%	SPK: 150
13127-88-3	Phenol-d6	138		15 (10) - 110 (134)	92%	SPK: 150
4165-60-0	Nitrobenzene-d5	94.8		30 (49) - 130 (133)	95%	SPK: 100
321-60-8	2-Fluorobiphenyl	97.4		30 (52) - 130 (132)	97%	SPK: 100
118-79-6	2,4,6-Tribromophenol	146		15 (44) - 110 (137)	98%	SPK: 150
1718-51-0	Terphenyl-d14	97.8		30 (48) - 130 (125)	98%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	70900	7.571			
1146-65-2	Naphthalene-d8	316000	10.338			
15067-26-2	Acenaphthene-d10	211000	14.181			
1517-22-2	Phenanthrene-d10	459000	16.918			
1719-03-5	Chrysene-d12	529000	21.084			
1520-96-3	Perylene-d12	687000	23.37			

Report of Analysis

Client:	ENTACT		Date Collected:	10/30/24	
Project:	540 Degraw St, Brooklyn, NY - E9309		Date Received:	10/30/24	
Client Sample ID:	MH-3MSD		SDG No.:	P4660	
Lab Sample ID:	P4640-04MSD		Matrix:	TCLP	
Analytical Method:	SW8270		% Solid:	0	
Sample Wt/Vol:	100	Units: mL	Final Vol:	1000	uL
Soil Aliquot Vol:		uL	Test:	TCLP BNA	
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
BE101482.D	1	11/05/24 08:54	11/05/24 16:52	PB164561

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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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



CALIBRATION SUMMARY

Method Path : Z:\svoasrv\HPCHEM1\BNA_E\Methods\
Method File : 8270-BE102824.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Oct 29 01:26:30 2024
Response Via : Initial Calibration

Calibration Files

2.5 =BE101389.D 5 =BE101390.D 10 =BE101391.D 20 =BE101392.D 40 =BE101393.D 50 =BE101394.D 60 =BE101395.D 80 =BE101396.D

Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD

1) I 1,4-Dichlorobenzen...	-----ISTD-----									
2) 1,4-Dioxane		0.471	0.463	0.454	0.421	0.400	0.392	0.379	0.426	8.76
3) Pyridine		1.064	1.123	1.255	1.196	1.252	1.287	1.252	1.204	6.80
4) n-Nitrosodimet...		0.459	0.440	0.454	0.479	0.473	0.488	0.468	0.466	3.45
5) S 2-Fluorophenol		1.134	1.073	1.142	1.153	1.143	1.187	1.155	1.141	3.03
6) Aniline		1.059	1.262	1.529	1.346	1.301	1.224	0.767	1.213	19.92
7) S Phenol-d6		1.450	1.475	1.558	1.629	1.594	1.727	1.643	1.582	6.15
8) 2-Chlorophenol		1.335	1.305	1.371	1.403	1.369	1.426	1.371	1.369	2.94
9) Benzaldehyde		0.793	0.849	0.861	0.807	0.678	0.595		0.764	13.74
10) C Phenol		1.488	1.456	1.766	1.826	1.797	1.914	1.769	1.717	10.16
11) bis(2-Chloroet...		1.513	1.401	1.245	1.477	1.322	1.408	1.492	1.408	6.93
12) 1,3-Dichlorobe...		1.563	1.523	1.508	1.488	1.424	1.443	1.382	1.476	4.25
13) C 1,4-Dichlorobe...		1.624	1.534	1.546	1.505	1.447	1.484	1.409	1.507	4.66
14) 1,2-Dichlorobe...		1.553	1.488	1.502	1.490	1.433	1.472	1.388	1.475	3.56
15) Benzyl Alcohol		0.704	0.797	0.979	1.061	1.013	1.059	0.990	0.943	14.61
16) 2,2'-oxybis(1-...		1.840	1.857	1.816	1.794	1.711	1.746	1.642	1.772	4.33
17) 2-Methylphenol		1.038	1.078	1.142	1.217	1.181	1.263	1.215	1.162	6.96
18) Hexachloroethane		0.497	0.486	0.492	0.497	0.495	0.496	0.481	0.492	1.28
19) P n-Nitroso-di-n...	0.807	0.900	1.060	1.081	1.150	1.115	1.185	1.102	1.050	12.35
20) 3+4-Methylphenols		1.364	1.500	1.580	1.685	1.646	1.778	1.674	1.604	8.53
21) I Naphthalene-d8	-----ISTD-----									
22) Acetophenone		0.427	0.447	0.467	0.481	0.449	0.462	0.446	0.454	3.79
23) S Nitrobenzene-d5		0.292	0.306	0.325	0.336	0.323	0.331	0.316	0.318	4.78
24) Nitrobenzene		0.315	0.325	0.349	0.355	0.339	0.350	0.339	0.339	4.26
25) Isophorone		0.533	0.601	0.624	0.665	0.639	0.655	0.632	0.621	7.13
26) C 2-Nitrophenol		0.127	0.141	0.162	0.179	0.175	0.182	0.181	0.164	13.41
27) 2,4-Dimethylph...		0.196	0.194	0.207	0.215	0.206	0.215	0.211	0.206	4.19
28) bis(2-Chloroet...		0.351	0.378	0.388	0.392	0.374	0.385	0.370	0.377	3.65
29) C 2,4-Dichloroph...		0.257	0.268	0.285	0.297	0.287	0.305	0.297	0.285	6.00
30) 1,2,4-Trichlor...		0.325	0.311	0.315	0.314	0.304	0.307	0.299	0.311	2.71
31) Naphthalene		1.092	1.040	1.039	1.045	0.982	0.999	0.936	1.019	5.00
32) Benzoic acid			0.091	0.145	0.196	0.203	0.223	0.234	0.182	29.71
33) 4-Chloroaniline		0.321	0.355	0.373	0.398	0.364	0.365	0.305	0.354	8.87
34) C Hexachlorobuta...		0.193	0.185	0.187	0.187	0.179	0.180	0.176	0.184	3.26
35) Caprolactam		0.077	0.093	0.109	0.119	0.118	0.126	0.124	0.109	16.48
36) C 4-Chloro-3-met...		0.277	0.314	0.321	0.341	0.330	0.347	0.343	0.325	7.51
37) 2-Methylnaphth...		0.753	0.752	0.736	0.756	0.711	0.736	0.696	0.734	3.12
38) 1-Methylnaphth...		0.750	0.756	0.735	0.751	0.709	0.733	0.696	0.733	3.08

Method Path : Z:\svoasrv\HPCHEM1\BNA_E\Methods\
 Method File : 8270-BE102824.M

39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.522	0.493	0.515	0.512	0.491	0.499	0.481	0.502	2.96	
41) P	Hexachlorocycl...	0.153	0.150	0.179	0.177	0.173	0.168	0.162	0.166	6.85	
42) S	2,4,6-Tribromo...	0.329	0.341	0.358	0.366	0.355	0.359	0.346	0.351	3.59	
43) C	2,4,6-Trichlor...	0.310	0.325	0.352	0.369	0.353	0.360	0.353	0.346	6.01	
44)	2,4,5-Trichlor...	0.356	0.372	0.401	0.415	0.402	0.418	0.411	0.396	5.93	
45) S	2-Fluorobiphenyl	1.359	1.275	1.283	1.226	1.114	1.072	0.938	1.181	12.39	
46)	1,1'-Biphenyl	1.477	1.399	1.431	1.408	1.326	1.326	1.224	1.370	6.15	
47)	2-Chloronaphth...	1.159	1.091	1.112	1.098	1.054	1.060	1.002	1.083	4.60	
48)	2-Nitroaniline	0.214	0.243	0.295	0.318	0.318	0.329	0.322	0.291	15.45	
49)	Acenaphthylene	1.613	1.605	1.656	1.677	1.586	1.597	1.473	1.601	4.07	
50)	Dimethylphthalate	1.446	1.469	1.459	1.449	1.378	1.383	1.298	1.412	4.38	
51)	2,6-Dinitrotol...	0.284	0.309	0.331	0.345	0.333	0.346	0.334	0.326	6.77	
52) C	Acenaphthene	1.120	1.080	1.073	1.075	1.016	1.017	0.936	1.045	5.79	
53)	3-Nitroaniline	0.266	0.296	0.342	0.357	0.347	0.345	0.315	0.324	10.25	
54) P	2,4-Dinitrophenol	0.125	0.177	0.208	0.219	0.230	0.231	0.198		20.84	
55)	Dibenzofuran	1.828	1.739	1.721	1.695	1.604	1.608	1.468	1.666	7.02	
56) P	4-Nitrophenol	0.219	0.291	0.311	0.318	0.324	0.318	0.297		13.34	
57)	2,4-Dinitrotol...	0.344	0.407	0.454	0.481	0.480	0.495	0.481	0.449	12.18	
58)	Fluorene	1.490	1.450	1.446	1.453	1.354	1.342	1.222	1.394	6.71	
59)	2,3,4,6-Tetrac...	0.345	0.355	0.368	0.382	0.367	0.378	0.369	0.366	3.48	
60)	Diethylphthalate	1.499	1.532	1.560	1.535	1.456	1.427	1.327	1.477	5.47	
61)	4-Chlorophenyl...	0.737	0.713	0.705	0.707	0.676	0.673	0.631	0.692	5.05	
62)	4-Nitroaniline	0.267	0.316	0.374	0.391	0.393	0.394	0.389	0.361	13.79	
63)	Azobenzene	1.280	1.309	1.331	1.319	1.248	1.245	1.154	1.269	4.80	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...	0.086	0.108	0.123	0.125	0.131	0.133	0.118		15.15	
66) c	n-Nitrosodiphe...	0.542	0.548	0.545	0.553	0.516	0.520	0.489	0.530	4.33	
67)	4-Bromophenyl-...	0.211	0.207	0.209	0.215	0.208	0.215	0.209	0.210	1.48	
68)	Hexachlorobenzene	0.283	0.272	0.274	0.283	0.271	0.278	0.269	0.276	2.01	
69)	Atrazine	0.182	0.179	0.160	0.184	0.109		0.163		19.39	
70) C	Pentachlorophenol	0.116	0.137	0.159	0.173	0.172	0.177	0.177	0.159	14.86	
71)	Phenanthrene	1.068	1.023	1.012	0.991	0.912	0.896	0.801	0.958	9.62	
72)	Anthracene	1.002	0.972	0.997	0.979	0.909	0.893	0.793	0.935	8.08	
73)	Carbazole	1.010	0.987	1.033	0.995	0.939	0.914	0.820	0.957	7.62	
74)	Di-n-butylphth...	1.018	1.088	1.221	1.136	1.058	0.985	0.867	1.053	10.73	
75) C	Fluoranthene	1.320	1.268	1.306	1.199	1.102	1.043	0.903	1.163	13.27	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzydine	0.236	0.285	0.253	0.347	0.228	0.198	0.230	0.254	19.22	
78)	Pyrene	1.176	1.206	1.184	1.174	1.052	1.016	0.890	1.100	10.69	
79) S	Terphenyl-d14	1.036	1.023	0.970	0.841	0.686	0.657		0.869	19.31	
80)	Butylbenzylpht...	0.443	0.467	0.515	0.510	0.494	0.490	0.455	0.482	5.73	
81)	Benzo(a)anthra...	1.277	1.238	1.243	1.174	1.047	1.010	0.879	1.124	13.18	
82)	3,3'-Dichlorob...	0.404	0.438	0.470	0.481	0.450	0.444	0.396	0.440	7.11	
83)	Chrysene	1.266	1.225	1.201	1.110	1.005	0.962	0.838	1.087	14.51	
84)	Bis(2-ethylhex...	0.550	0.608	0.705	0.698	0.672	0.659	0.591	0.641	9.15	
85) c	Di-n-octyl pht...	0.987	1.057	1.209	1.137	1.053	1.032	0.883	1.051	9.92	

Method Path : Z:\svoasrv\HPCHEM1\BNA_E\Methods\
Method File : 8270-BE102824.M

86) I	Perylene-d12	-----ISTD-----								
87)	Indeno(1,2,3-c...	1.390	1.352	1.390	1.394	1.315	1.315	1.214	1.338	4.83
88)	Benzo(b)fluora...	1.076	1.113	1.100	1.110	1.023	1.000	0.873	1.042	8.29
89)	Benzo(k)fluora...	1.126	1.042	1.087	1.015	0.897	0.875	0.774	0.974	13.13
90) C	Benzo(a)pyrene	0.935	0.933	0.961	0.966	0.899	0.890	0.796	0.912	6.37
91)	Dibenzo(a,h)an...	1.130	1.125	1.169	1.170	1.089	1.083	0.977	1.106	6.00
92)	Benzo(g,h,i)pe...	1.162	1.130	1.155	1.179	1.125	1.152	1.075	1.140	2.98

(#) = Out of Range

Method Path : Z:\svoasrv\HPCHEM1\BNA_E\Methods\
 Method File : 8270-BE110624.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Thu Nov 07 00:01:20 2024
 Response Via : Initial Calibration

Calibration Files

2.5 =BE101493.D 5 =BE101494.D 10 =BE101495.D 20 =BE101496.D 40 =BE101497.D 50 =BE101498.D 60 =BE101499.D 80 =BE101500.D

	Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----									
2)	1,4-Dioxane	0.495	0.458	0.438	0.406	0.378	0.394	0.378	0.421	10.54	
3)	Pyridine	1.154	1.183	1.143	1.154	1.192	1.230	1.186	1.177	2.53	
4)	n-Nitrosodimet...	0.509	0.465	0.446	0.445	0.461	0.473	0.464	0.466	4.58	
5) S	2-Fluorophenol	1.161	1.135	1.120	1.101	1.114	1.159	1.127	1.131	1.99	
6)	Aniline	1.323	1.251	1.316	1.368	1.026	1.044	0.819	1.164	17.52	
7) S	Phenol-d6	1.494	1.525	1.558	1.540	1.571	1.617	1.551	1.551	2.49	
8)	2-Chlorophenol	1.339	1.343	1.359	1.316	1.336	1.364	1.324	1.340	1.30	
9)	Benzaldehyde	0.902	0.930	0.875	0.767	0.654	0.640	0.542	0.759	19.80	
10) C	Phenol	1.646	1.682	1.702	1.664	1.709	1.764	1.649	1.688	2.45	
11)	bis(2-Chloroet...	1.362	1.474	1.392	1.165	1.446	1.447	1.497	1.397	8.03	
12)	1,3-Dichlorobe...	1.573	1.526	1.491	1.424	1.410	1.437	1.379	1.463	4.74	
13) C	1,4-Dichlorobe...	1.565	1.543	1.508	1.444	1.437	1.464	1.412	1.482	3.89	
14)	1,2-Dichlorobe...	1.559	1.496	1.481	1.418	1.416	1.435	1.378	1.455	4.20	
15)	Benzyl Alcohol	0.791	0.861	0.910	0.919	0.958	0.977	0.926	0.906	6.94	
16)	2,2'-oxybis(1-...	1.733	1.690	1.700	1.628	1.625	1.636	1.567	1.654	3.41	
17)	2-Methylphenol	1.015	1.041	1.073	1.113	1.123	1.163	1.123	1.093	4.76	
18)	Hexachloroethane	0.524	0.509	0.507	0.484	0.494	0.501	0.483	0.500	2.95	
19) P	n-Nitroso-di-n...	0.958	0.996	1.040	1.058	1.027	1.046	1.057	0.998	1.023	3.48
20)	3+4-Methylphenols	1.376	1.483	1.529	1.524	1.558	1.606	1.530	1.515	4.74	
21) I	Naphthalene-d8	-----ISTD-----									
22)	Acetophenone	0.462	0.460	0.461	0.443	0.447	0.455	0.443	0.453	1.91	
23) S	Nitrobenzene-d5	0.313	0.316	0.318	0.312	0.318	0.325	0.313	0.317	1.46	
24)	Nitrobenzene	0.325	0.329	0.330	0.324	0.329	0.338	0.330	0.329	1.41	
25)	Isophorone	0.599	0.619	0.632	0.611	0.618	0.630	0.605	0.616	1.98	
26) C	2-Nitrophenol	0.159	0.167	0.175	0.174	0.182	0.187	0.183	0.175	5.41	
27)	2,4-Dimethylph...	0.196	0.199	0.204	0.198	0.205	0.212	0.206	0.203	2.83	
28)	bis(2-Chloroet...	0.376	0.383	0.386	0.371	0.375	0.381	0.369	0.377	1.65	
29) C	2,4-Dichloroph...	0.275	0.279	0.289	0.283	0.294	0.302	0.294	0.288	3.35	
30)	1,2,4-Trichlor...	0.344	0.326	0.323	0.311	0.313	0.321	0.312	0.321	3.63	
31)	Naphthalene	1.071	1.033	1.027	0.983	0.983	1.003	0.968	1.010	3.58	
32)	Benzoic acid		0.112	0.137	0.166	0.191	0.202	0.202	0.168	22.18	
33)	4-Chloroaniline	0.342	0.364	0.371	0.358	0.356	0.361	0.334	0.355	3.65	
34) C	Hexachlorobuta...	0.209	0.198	0.202	0.192	0.195	0.198	0.193	0.198	2.95	
35)	Caprolactam	0.097	0.107	0.107	0.107	0.106	0.111	0.105	0.106	4.09	
36) C	4-Chloro-3-met...	0.293	0.318	0.316	0.312	0.318	0.327	0.317	0.314	3.27	
37)	2-Methylnaphth...	0.744	0.733	0.733	0.706	0.705	0.715	0.684	0.717	2.93	
38)	1-Methylnaphth...	0.752	0.738	0.734	0.696	0.697	0.711	0.679	0.715	3.72	

Method Path : Z:\svoasrv\HPCHEM1\BNA_E\Methods\
 Method File : 8270-BE110624.M

39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.546	0.518	0.535	0.513	0.519	0.535	0.525	0.527	2.24	
41) P	Hexachlorocycl...	0.106	0.128	0.153	0.167	0.175	0.178	0.171	0.154	17.72	
42) S	2,4,6-Tribromo...	0.388	0.391	0.391	0.369	0.364	0.375	0.357	0.376	3.64	
43) C	2,4,6-Trichlor...	0.358	0.352	0.360	0.358	0.361	0.376	0.369	0.362	2.21	
44)	2,4,5-Trichlor...	0.390	0.381	0.402	0.400	0.411	0.425	0.415	0.403	3.71	
45) S	2-Fluorobiphenyl	1.353	1.295	1.299	1.204	1.160	1.163	1.100	1.225	7.52	
46)	1,1'-Biphenyl	1.451	1.416	1.424	1.336	1.344	1.366	1.320	1.380	3.66	
47)	2-Chloronaphth...	1.124	1.104	1.115	1.060	1.065	1.091	1.060	1.088	2.49	
48)	2-Nitroaniline	0.248	0.273	0.292	0.288	0.300	0.312	0.302	0.288	7.44	
49)	Acenaphthylene	1.664	1.660	1.661	1.584	1.586	1.629	1.565	1.622	2.62	
50)	Dimethylphthalate	1.500	1.479	1.478	1.389	1.368	1.403	1.352	1.424	4.22	
51)	2,6-Dinitrotol...	0.316	0.330	0.336	0.324	0.327	0.338	0.329	0.329	2.23	
52) C	Acenaphthene	1.116	1.075	1.080	1.007	0.996	1.007	0.962	1.035	5.38	
53)	3-Nitroaniline	0.282	0.320	0.335	0.328	0.323	0.333	0.314	0.319	5.67	
54) P	2,4-Dinitrophenol		0.139	0.178	0.194	0.208	0.220	0.217	0.193	15.82	
55)	Dibenzofuran	1.799	1.736	1.724	1.615	1.591	1.629	1.568	1.666	5.20	
56) P	4-Nitrophenol	0.197	0.235	0.278	0.275	0.274	0.295	0.290	0.264	13.26	
57)	2,4-Dinitrotol...	0.426	0.456	0.480	0.460	0.463	0.482	0.466	0.462	3.99	
58)	Fluorene	1.490	1.475	1.458	1.363	1.328	1.347	1.272	1.391	6.03	
59)	2,3,4,6-Tetrac...	0.379	0.366	0.377	0.369	0.370	0.381	0.372	0.373	1.53	
60)	Diethylphthalate	1.600	1.579	1.577	1.457	1.442	1.460	1.397	1.502	5.41	
61)	4-Chlorophenyl...	0.757	0.736	0.733	0.689	0.680	0.692	0.657	0.706	5.12	
62)	4-Nitroaniline	0.285	0.334	0.359	0.349	0.355	0.366	0.359	0.344	8.07	
63)	Azobenzene	1.283	1.269	1.289	1.196	1.183	1.203	1.153	1.225	4.44	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...	0.084	0.104	0.117	0.123	0.131	0.136	0.135	0.119	15.97	
66) c	n-Nitrosodiphe...	0.550	0.534	0.545	0.519	0.526	0.533	0.509	0.531	2.68	
67)	4-Bromophenyl-...	0.226	0.218	0.221	0.214	0.221	0.225	0.219	0.221	1.85	
68)	Hexachlorobenzene	0.301	0.290	0.295	0.282	0.287	0.294	0.283	0.290	2.33	
69)	Atrazine	0.202	0.187	0.151	0.171	0.121	0.135	0.130	0.157	19.70	
70) C	Pentachlorophenol	0.129	0.139	0.155	0.162	0.167	0.176	0.176	0.158	11.39	
71)	Phenanthrene	1.067	1.000	1.016	0.942	0.936	0.947	0.901	0.973	5.87	
72)	Anthracene	1.030	0.985	0.998	0.943	0.932	0.949	0.887	0.961	4.94	
73)	Carbazole	1.030	1.003	1.001	0.940	0.924	0.947	0.899	0.963	5.00	
74)	Di-n-butylphth...	1.312	1.269	1.261	1.170	1.128	1.121	1.068	1.190	7.68	
75) C	Fluoranthene	1.442	1.353	1.316	1.208	1.157	1.158	1.096	1.247	10.04	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine	0.324	0.433	0.250	0.403	0.656	0.503	0.440	0.430	30.17	
78)	Pyrene	1.201	1.158	1.199	1.130	1.125	1.117	1.036	1.138	4.95	
79) S	Terphenyl-d14	1.065	1.023	1.028	0.902	0.819	0.780	0.707	0.904	15.44	
80)	Butylbenzylpht...	0.541	0.522	0.531	0.507	0.500	0.505	0.474	0.511	4.31	
81)	Benzo(a)anthra...	1.334	1.258	1.258	1.170	1.138	1.118	1.040	1.188	8.47	
82)	3,3'-Dichlorob...	0.466	0.474	0.480	0.469	0.478	0.467	0.439	0.468	2.92	
83)	Chrysene	1.261	1.215	1.207	1.116	1.074	1.050	0.979	1.129	9.06	
84)	Bis(2-ethylhex...	0.857	0.816	0.822	0.760	0.738	0.733	0.686	0.773	7.81	
85) c	Di-n-octyl pht...	1.510	1.430	1.383	1.284	1.226	1.203	1.119	1.308	10.60	

Method Path : Z:\svoasrv\HPCHEM1\BNA_E\Methods\
Method File : 8270-BE110624.M

86) I	Perylene-d12	-----ISTD-----									
87)	Indeno(1,2,3-c...	1.480	1.394	1.411	1.347	1.342	1.357	1.290	1.374	4.40	
88)	Benzo(b)fluora...	1.220	1.158	1.107	1.056	1.053	1.073	1.014	1.097	6.46	
89)	Benzo(k)fluora...	1.119	1.045	1.080	0.977	0.966	0.937	0.849	0.996	9.23	
90) C	Benzo(a)pyrene	1.023	0.974	0.977	0.926	0.923	0.931	0.877	0.947	5.02	
91)	Dibenzo(a,h)an...	1.250	1.169	1.189	1.128	1.111	1.119	1.047	1.145	5.68	
92)	Benzo(g,h,i)pe...	1.239	1.164	1.182	1.133	1.148	1.162	1.113	1.163	3.46	

(#) = Out of Range

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: ENTA05

Lab Code: CHEM Case No.: P4660 SAS No.: P4660 SDG No.: P4660

Instrument ID: BNA_E Calibration Date/Time: 11/05/2024 10:48

Lab File ID: BE101472.D Init. Calib. Date(s): 10/28/2024 10/28/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:44 16:01

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Pyridine	1.204	1.211		0.6	
2-Fluorophenol	1.141	1.115		-2.3	
Phenol-d6	1.582	1.603		1.3	
1,4-Dichlorobenzene	1.507	1.451		-3.7	20.0
2-Methylphenol	1.162	1.145		-1.5	
3+4-Methylphenols	1.604	1.605		0.1	
Nitrobenzene-d5	0.318	0.318		0.0	
Hexachloroethane	0.492	0.495		0.6	
Nitrobenzene	0.339	0.335		-1.2	
Hexachlorobutadiene	0.184	0.190		3.3	20.0
2,4,6-Trichlorophenol	0.346	0.362		4.6	20.0
2-Fluorobiphenyl	1.181	1.226		3.8	
2,4,5-Trichlorophenol	0.396	0.411		3.8	
2,4-Dinitrotoluene	0.449	0.469		4.5	
2,4,6-Tribromophenol	0.351	0.367		4.6	
Hexachlorobenzene	0.276	0.285		3.3	
Pentachlorophenol	0.159	0.168		5.7	20.0
Terphenyl-d14	0.869	0.916		5.4	

All other compounds must meet a minimum RRF of 0.010.

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: ENTA05

Lab Code: CHEM Case No.: P4660 SAS No.: P4660 SDG No.: P4660

Instrument ID: BNA_E Calibration Date/Time: 11/06/2024 16:14

Lab File ID: BE101497.D Init. Calib. Date(s): _____

EPA Sample No.: SSTDICCC040 Init. Calib. Time(s): _____

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Pyridine	1.177	1.154		-2.0	
2-Fluorophenol	1.131	1.101		-2.7	
Phenol-d6	1.551	1.540		-0.7	
1,4-Dichlorobenzene	1.482	1.444		-2.6	20.0
2-Methylphenol	1.093	1.113		1.8	
3+4-Methylphenols	1.515	1.524		0.6	
Nitrobenzene-d5	0.317	0.312		-1.6	
Hexachloroethane	0.500	0.484		-3.2	
Nitrobenzene	0.329	0.324		-1.5	
Hexachlorobutadiene	0.198	0.192		-3.0	20.0
2,4,6-Trichlorophenol	0.362	0.358		-1.1	20.0
2-Fluorobiphenyl	1.225	1.204		-1.7	
2,4,5-Trichlorophenol	0.403	0.401		-0.7	
2,4-Dinitrotoluene	0.462	0.460		-0.4	
2,4,6-Tribromophenol	0.376	0.369		-1.9	
Hexachlorobenzene	0.290	0.282		-2.8	
Pentachlorophenol	0.158	0.162		2.5	20.0
Terphenyl-d14	0.904	0.902		-0.2	

All other compounds must meet a minimum RRF of 0.010.

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: ENTA05
Lab Code: CHEM Case No.: P4660 SAS No.: P4660 SDG No.: P4660
Instrument ID: BNA_E Calibration Date/Time: 11/06/2024 20:28
Lab File ID: BE101504.D Init. Calib. Date(s): 11/06/2024 11/06/2024
EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 13:51 18:02
GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Pyridine	1.177	1.157		-1.7	
2-Fluorophenol	1.131	1.103		-2.5	
Phenol-d6	1.551	1.542		-0.6	
1,4-Dichlorobenzene	1.482	1.438		-3.0	20.0
2-Methylphenol	1.093	1.128		3.2	
3+4-Methylphenols	1.515	1.514		-0.1	
Nitrobenzene-d5	0.317	0.314		-0.9	
Hexachloroethane	0.500	0.489		-2.2	
Nitrobenzene	0.329	0.327		-0.6	
Hexachlorobutadiene	0.198	0.192		-3.0	20.0
2,4,6-Trichlorophenol	0.362	0.356		-1.7	20.0
2-Fluorobiphenyl	1.225	1.208		-1.4	
2,4,5-Trichlorophenol	0.403	0.401		-0.5	
2,4-Dinitrotoluene	0.462	0.464		0.4	
2,4,6-Tribromophenol	0.376	0.368		-2.1	
Hexachlorobenzene	0.290	0.280		-3.4	
Pentachlorophenol	0.158	0.162		2.5	20.0
Terphenyl-d14	0.904	0.885		-2.1	

All other compounds must meet a minimum RRF of 0.010.

LAB CHRONICLE

OrderID:	P4660	OrderDate:	10/31/2024 2:38:00 PM
Client:	ENTACT	Project:	540 Degraw St, Brooklyn, NY - E9309
Contact:	Chris Lawrence	Location:	K41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4660-02	WC-TA2-01-C	SOIL	PCB	8082A	10/30/24	11/04/24	11/04/24	10/31/24
P4660-06	WC-WOOD-01-C	SOIL	PCB	8082A	10/31/24	11/04/24	11/04/24	10/31/24
P4660-10	WC-CONCRETE-01-C	SOIL	PCB	8082A	10/31/24	11/04/24	11/04/24	10/31/24

Hit Summary Sheet SW-846

SDG No.: P4660

Order ID: P4660

Client: ENTACT

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

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

Total Concentration: 0.000



SAMPLE DATA

Report of Analysis

Client:	ENTACT		Date Collected:	10/30/24	
Project:	540 Degraw St, Brooklyn, NY - E9309		Date Received:	10/31/24	
Client Sample ID:	WC-TA2-01-C		SDG No.:	P4660	
Lab Sample ID:	P4660-02		Matrix:	SOIL	
Analytical Method:	SW8082A		% Solid:	88.9	Decanted:
Sample Wt/Vol:	30.04	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO107636.D	1	11/04/24 08:15	11/04/24 14:30	PB164638

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	3.80	U	3.80	19.1	ug/kg
11104-28-2	Aroclor-1221	7.20	U	7.20	19.1	ug/kg
11141-16-5	Aroclor-1232	3.80	U	3.80	19.1	ug/kg
53469-21-9	Aroclor-1242	3.80	U	3.80	19.1	ug/kg
12672-29-6	Aroclor-1248	8.90	U	8.90	19.1	ug/kg
11097-69-1	Aroclor-1254	3.10	U	3.10	19.1	ug/kg
37324-23-5	Aroclor-1262	5.10	U	5.10	19.1	ug/kg
11100-14-4	Aroclor-1268	3.90	U	3.90	19.1	ug/kg
11096-82-5	Aroclor-1260	3.30	U	3.30	19.1	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	15.7		30 (32) - 150 (144)	79%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.9		30 (32) - 150 (175)	89%	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

Report of Analysis

Client:	ENTACT		Date Collected:	10/31/24	
Project:	540 Degraw St, Brooklyn, NY - E9309		Date Received:	10/31/24	
Client Sample ID:	WC-WOOD-01-C		SDG No.:	P4660	
Lab Sample ID:	P4660-06		Matrix:	SOIL	
Analytical Method:	SW8082A		% Solid:	100	Decanted:
Sample Wt/Vol:	30.02	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO107637.D	1	11/04/24 08:15	11/04/24 14:46	PB164638

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	3.40	U	3.40	17.0	ug/kg
11104-28-2	Aroclor-1221	6.40	U	6.40	17.0	ug/kg
11141-16-5	Aroclor-1232	3.40	U	3.40	17.0	ug/kg
53469-21-9	Aroclor-1242	3.40	U	3.40	17.0	ug/kg
12672-29-6	Aroclor-1248	7.90	U	7.90	17.0	ug/kg
11097-69-1	Aroclor-1254	2.70	U	2.70	17.0	ug/kg
37324-23-5	Aroclor-1262	4.60	U	4.60	17.0	ug/kg
11100-14-4	Aroclor-1268	3.40	U	3.40	17.0	ug/kg
11096-82-5	Aroclor-1260	2.90	U	2.90	17.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	11.4		30 (32) - 150 (144)	57%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.0		30 (32) - 150 (175)	85%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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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

Report of Analysis

Client:	ENTACT		Date Collected:	10/31/24	
Project:	540 Degraw St, Brooklyn, NY - E9309		Date Received:	10/31/24	
Client Sample ID:	WC-CONCRETE-01-C		SDG No.:	P4660	
Lab Sample ID:	P4660-10		Matrix:	SOIL	
Analytical Method:	SW8082A		% Solid:	92.3	Decanted:
Sample Wt/Vol:	30.05	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO107638.D	1	11/04/24 08:15	11/04/24 15:02	PB164638

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	3.70	U	3.70	18.4	ug/kg
11104-28-2	Aroclor-1221	6.90	U	6.90	18.4	ug/kg
11141-16-5	Aroclor-1232	3.70	U	3.70	18.4	ug/kg
53469-21-9	Aroclor-1242	3.70	U	3.70	18.4	ug/kg
12672-29-6	Aroclor-1248	8.50	U	8.50	18.4	ug/kg
11097-69-1	Aroclor-1254	3.00	U	3.00	18.4	ug/kg
37324-23-5	Aroclor-1262	4.90	U	4.90	18.4	ug/kg
11100-14-4	Aroclor-1268	3.70	U	3.70	18.4	ug/kg
11096-82-5	Aroclor-1260	3.10	U	3.10	18.4	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	7.09		30 (32) - 150 (144)	35%	SPK: 20
2051-24-3	Decachlorobiphenyl	13.7		30 (32) - 150 (175)	68%	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



QC SUMMARY

Surrogate Summary

SDG No.: **P4660**

Client: **ENTACT**

Analytical Method: **8082A**

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
I.BLK-PO107183.D	PIBLK-PO107183.D	Tetrachloro-m-xylene	1	20	22.5	112		70 (60)	130 (140)
		Decachlorobiphenyl	1	20	23.4	117		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	22.1	110		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	22.8	114		70 (60)	130 (140)
I.BLK-PO107633.D	PIBLK-PO107633.D	Tetrachloro-m-xylene	1	20	19.4	97		70 (60)	130 (140)
		Decachlorobiphenyl	1	20	21.3	106		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	19.4	97		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	22.3	111		70 (60)	130 (140)
PB164638BL	PB164638BL	Tetrachloro-m-xylene	1	20	20.4	102		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	22.3	111		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	20.2	101		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	22.9	115		30 (32)	150 (175)
PB164638BS	PB164638BS	Tetrachloro-m-xylene	1	20	20.2	101		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	21.9	109		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	18.9	95		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	22.6	113		30 (32)	150 (175)
P4660-02	WC-TA2-01-C	Tetrachloro-m-xylene	1	20	13.3	67		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	17.3	86		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	15.7	79		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	17.9	89		30 (32)	150 (175)
P4660-06	WC-WOOD-01-C	Tetrachloro-m-xylene	1	20	10.5	53		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	17.0	85		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	11.4	57		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	14.6	73		30 (32)	150 (175)
P4660-10	WC-CONCRETE-01-C	Tetrachloro-m-xylene	1	20	6.73	34		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	13.7	68		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	7.09	35		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	10.4	52		30 (32)	150 (175)
I.BLK-PO107648.D	PIBLK-PO107648.D	Tetrachloro-m-xylene	1	20	19.3	96		70 (60)	130 (140)
		Decachlorobiphenyl	1	20	20.8	104		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	19.7	98		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	21.3	107		70 (60)	130 (140)
P4680-01MS	BP-F26MS	Tetrachloro-m-xylene	1	20	19.6	98		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	19.1	95		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	18.9	95		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	19.1	96		30 (32)	150 (175)
P4680-01MSD	BP-F26MSD	Tetrachloro-m-xylene	1	20	18.8	94		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	19.2	96		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	18.9	95		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	19.2	96		30 (32)	150 (175)
I.BLK-PO107663.D	PIBLK-PO107663.D	Tetrachloro-m-xylene	1	20	19.5	97		70 (60)	130 (140)

() = LABORATORY INHOUSE LIMIT

Surrogate Summary

SDG No.: P4660

Client: ENTACT

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
I.BLK-PO107663.D	PIBLK-PO107663.D	Decachlorobiphenyl	1	20	20.9	105		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	19.7	98		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	21.9	109		70 (60)	130 (140)

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4660

Client: ENTACT

Analytical Method: 8082A

DataFile : PO107656.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID: P4680-01MS	BP-F26MS											
	AR1016	185.2	0	161	ug/kg	87				40 (55)	140 (146)	
	AR1260	185.2	0	155	ug/kg	84				40 (45)	140 (144)	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4660

Client: ENTACT

Analytical Method: 8082A

DataFile : PO107657.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID: P4680-01MSD	BP-F26MSD											
	AR1016	185.3	0	162	ug/kg	87		0		40 (55)	140 (146)	30 (20)
	AR1260	185.3	0	155	ug/kg	84		0		40 (45)	140 (144)	30 (20)

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4660

Client: ENTACT

Analytical Method: **8082A** Datafile : PO107635.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB164638BS	AR1016	166.6	148	ug/kg	89				40 (71)	140 (120)		
	AR1260	166.6	150	ug/kg	90				40 (65)	140 (130)		

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB164638BL

Lab Name: CHEMTECH

Contract: ENTA05

Lab Code: CHEM Case No.: P4660

SAS No.: P4660 SDG NO.: P4660

Lab Sample ID: PB164638BL

Lab File ID: PO107634.D

Matrix: (soil/water) Solid

Extraction: (Type) _____

Sulfur Cleanup: (Y/N) N

Date Extracted: 11/04/2024

Date Analyzed (1): 11/04/2024

Date Analyzed (2): 11/04/2024

Time Analyzed (1): 13:57

Time Analyzed (2): 13:57

Instrument ID (1): ECD_O

Instrument ID (2): ECD_O

GC Column (1): ZB-MR1 ID: 0.32 (mm)

GC Column (2): ZB-MR2 ID: 0.32 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
PB164638BS	PB164638BS	PO107635.D	11/04/2024	11/04/2024
WC-TA2-01-C	P4660-02	PO107636.D	11/04/2024	11/04/2024
WC-WOOD-01-C	P4660-06	PO107637.D	11/04/2024	11/04/2024
WC-CONCRETE-01-C	P4660-10	PO107638.D	11/04/2024	11/04/2024
BP-F26MS	P4680-01MS	PO107656.D	11/04/2024	11/04/2024
BP-F26MSD	P4680-01MSD	PO107657.D	11/04/2024	11/04/2024

COMMENTS: _____



CALIBRATION SUMMARY

RETENTION TIMES OF INITIAL CALIBRATION

Contract: ENTA05
Lab Code: CHEM **Case No.:** P4660 **SAS No.:** P4660 **SDG NO.:** P4660
Instrument ID: ECD_O **Calibration Date(s):** 10/15/2024 10/16/2024
Calibration Times: 18:27 02:36

GC Column: ZB-MR1 **ID:** 0.32 (mm)

LAB FILE ID: **RT 1000 =** PO107184.D **RT 750 =** PO107185.D
RT 500 = PO107186.D **RT 250 =** PO107187.D **RT 050 =** PO107188.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW	
								FROM	TO
Aroclor-1016-1	(1)	5.52	5.52	5.52	5.52	5.52	5.52	5.42	5.62
Aroclor-1016-2	(2)	5.54	5.55	5.55	5.54	5.54	5.54	5.44	5.64
Aroclor-1016-3	(3)	5.61	5.61	5.61	5.61	5.61	5.61	5.51	5.71
Aroclor-1016-4	(4)	5.70	5.70	5.70	5.70	5.70	5.70	5.60	5.80
Aroclor-1016-5	(5)	6.00	6.00	6.00	6.00	6.00	6.00	5.90	6.10
Aroclor-1260-1	(1)	7.12	7.13	7.13	7.12	7.13	7.13	7.03	7.23
Aroclor-1260-2	(2)	7.38	7.38	7.38	7.38	7.38	7.38	7.28	7.48
Aroclor-1260-3	(3)	7.74	7.74	7.74	7.74	7.74	7.74	7.64	7.84
Aroclor-1260-4	(4)	7.97	7.97	7.97	7.97	7.97	7.97	7.87	8.07
Aroclor-1260-5	(5)	8.28	8.28	8.28	8.28	8.28	8.28	8.18	8.38
Decachlorobiphenyl		10.06	10.06	10.06	10.06	10.06	10.06	9.96	10.16
Tetrachloro-m-xylene		4.37	4.37	4.37	4.37	4.37	4.37	4.27	4.47
Aroclor-1242-1	(1)	5.52	5.52	5.52	5.52	5.52	5.52	5.42	5.62
Aroclor-1242-2	(2)	5.55	5.54	5.54	5.54	5.54	5.54	5.44	5.64
Aroclor-1242-3	(3)	5.61	5.61	5.61	5.61	5.61	5.61	5.51	5.71
Aroclor-1242-4	(4)	5.70	5.70	5.70	5.70	5.70	5.70	5.60	5.80
Aroclor-1242-5	(5)	6.44	6.44	6.44	6.44	6.44	6.44	6.34	6.54
Decachlorobiphenyl		10.06	10.06	10.06	10.06	10.06	10.06	9.96	10.16
Tetrachloro-m-xylene		4.37	4.37	4.37	4.37	4.37	4.37	4.27	4.47
Aroclor-1248-1	(1)	5.52	5.52	5.52	5.52	5.52	5.52	5.42	5.62
Aroclor-1248-2	(2)	5.80	5.80	5.80	5.80	5.80	5.80	5.70	5.90
Aroclor-1248-3	(3)	6.00	6.00	6.00	6.00	6.00	6.00	5.90	6.10
Aroclor-1248-4	(4)	6.40	6.40	6.40	6.40	6.40	6.40	6.30	6.50
Aroclor-1248-5	(5)	6.44	6.44	6.44	6.44	6.44	6.44	6.34	6.54
Decachlorobiphenyl		10.06	10.06	10.06	10.06	10.06	10.06	9.96	10.16
Tetrachloro-m-xylene		4.37	4.37	4.37	4.37	4.37	4.37	4.27	4.47
Aroclor-1254-1	(1)	6.37	6.37	6.38	6.37	6.38	6.37	6.27	6.47
Aroclor-1254-2	(2)	6.59	6.59	6.59	6.59	6.59	6.59	6.49	6.69
Aroclor-1254-3	(3)	6.96	6.96	6.96	6.96	6.96	6.96	6.86	7.06
Aroclor-1254-4	(4)	7.24	7.24	7.24	7.24	7.24	7.24	7.14	7.34
Aroclor-1254-5	(5)	7.66	7.66	7.66	7.66	7.66	7.66	7.56	7.76
Decachlorobiphenyl		10.06	10.06	10.06	10.06	10.06	10.06	9.96	10.16
Tetrachloro-m-xylene		4.37	4.37	4.37	4.37	4.37	4.37	4.27	4.47
Aroclor-1268-1	(1)	8.59	8.59	8.59	8.59	8.59	8.59	8.49	8.69
Aroclor-1268-2	(2)	8.68	8.68	8.68	8.68	8.68	8.68	8.58	8.78
Aroclor-1268-3	(3)	8.91	8.91	8.91	8.91	8.91	8.91	8.81	9.01
Aroclor-1268-4	(4)	9.31	9.31	9.31	9.31	9.31	9.31	9.21	9.41
Aroclor-1268-5	(5)	9.72	9.72	9.72	9.72	9.72	9.72	9.62	9.82

RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	10.06	10.06	10.06	10.06	10.06	10.06	9.96	10.16
Tetrachloro-m-xylene	4.37	4.37	4.37	4.37	4.37	4.37	4.27	4.47

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RETENTION TIMES OF INITIAL CALIBRATION

Contract: ENTA05
Lab Code: CHEM **Case No.:** P4660 **SAS No.:** P4660 **SDG NO.:** P4660
Instrument ID: ECD_O **Calibration Date(s):** 10/15/2024 10/16/2024
Calibration Times: 18:27 02:36

GC Column: ZB-MR2 **ID:** 0.32 (mm)

LAB FILE ID: **RT 1000 =** PO107184.D **RT 750 =** PO107185.D
RT 500 = PO107186.D **RT 250 =** PO107187.D **RT 050 =** PO107188.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW	
								FROM	TO
Aroclor-1016-1	(1)	4.73	4.73	4.73	4.73	4.73	4.73	4.63	4.83
Aroclor-1016-2	(2)	4.75	4.75	4.75	4.75	4.75	4.75	4.65	4.85
Aroclor-1016-3	(3)	4.92	4.92	4.92	4.92	4.92	4.92	4.82	5.02
Aroclor-1016-4	(4)	4.96	4.96	4.96	4.96	4.96	4.96	4.86	5.06
Aroclor-1016-5	(5)	5.18	5.18	5.18	5.18	5.18	5.18	5.08	5.28
Aroclor-1260-1	(1)	6.21	6.21	6.21	6.21	6.21	6.21	6.11	6.31
Aroclor-1260-2	(2)	6.39	6.39	6.39	6.39	6.40	6.39	6.29	6.49
Aroclor-1260-3	(3)	6.55	6.55	6.55	6.55	6.55	6.55	6.45	6.65
Aroclor-1260-4	(4)	7.02	7.02	7.02	7.02	7.02	7.02	6.92	7.12
Aroclor-1260-5	(5)	7.26	7.26	7.26	7.26	7.26	7.26	7.16	7.36
Decachlorobiphenyl		8.64	8.64	8.64	8.64	8.64	8.64	8.54	8.74
Tetrachloro-m-xylene		3.64	3.64	3.65	3.64	3.64	3.64	3.54	3.74
Aroclor-1242-1	(1)	4.73	4.73	4.73	4.73	4.73	4.73	4.63	4.83
Aroclor-1242-2	(2)	4.75	4.75	4.75	4.75	4.75	4.75	4.65	4.85
Aroclor-1242-3	(3)	4.92	4.92	4.92	4.92	4.92	4.92	4.82	5.02
Aroclor-1242-4	(4)	5.00	5.01	5.00	5.01	5.00	5.00	4.90	5.10
Aroclor-1242-5	(5)	5.53	5.53	5.53	5.53	5.53	5.53	5.43	5.63
Decachlorobiphenyl		8.64	8.64	8.64	8.64	8.64	8.64	8.54	8.74
Tetrachloro-m-xylene		3.64	3.64	3.64	3.65	3.64	3.64	3.54	3.74
Aroclor-1248-1	(1)	4.73	4.73	4.73	4.73	4.73	4.73	4.63	4.83
Aroclor-1248-2	(2)	4.96	4.96	4.96	4.96	4.96	4.96	4.86	5.06
Aroclor-1248-3	(3)	5.00	5.00	5.00	5.00	5.00	5.00	4.90	5.10
Aroclor-1248-4	(4)	5.18	5.18	5.18	5.18	5.18	5.18	5.08	5.28
Aroclor-1248-5	(5)	5.57	5.57	5.57	5.57	5.57	5.57	5.47	5.67
Decachlorobiphenyl		8.64	8.64	8.64	8.64	8.64	8.64	8.54	8.74
Tetrachloro-m-xylene		3.64	3.64	3.64	3.64	3.64	3.64	3.54	3.74
Aroclor-1254-1	(1)	5.53	5.53	5.53	5.53	5.53	5.53	5.43	5.63
Aroclor-1254-2	(2)	5.67	5.67	5.67	5.67	5.67	5.67	5.57	5.77
Aroclor-1254-3	(3)	6.08	6.08	6.08	6.08	6.08	6.08	5.98	6.18
Aroclor-1254-4	(4)	6.30	6.30	6.30	6.31	6.30	6.30	6.20	6.40
Aroclor-1254-5	(5)	6.72	6.72	6.72	6.72	6.72	6.72	6.62	6.82
Decachlorobiphenyl		8.64	8.64	8.64	8.64	8.64	8.64	8.54	8.74
Tetrachloro-m-xylene		3.65	3.64	3.64	3.64	3.65	3.64	3.54	3.74
Aroclor-1268-1	(1)	7.54	7.54	7.54	7.54	7.54	7.54	7.44	7.64
Aroclor-1268-2	(2)	7.61	7.61	7.61	7.61	7.61	7.61	7.51	7.71
Aroclor-1268-3	(3)	7.81	7.81	7.81	7.81	7.81	7.81	7.71	7.91
Aroclor-1268-4	(4)	8.10	8.10	8.10	8.10	8.10	8.10	8.00	8.20
Aroclor-1268-5	(5)	8.39	8.39	8.39	8.39	8.39	8.39	8.29	8.49

RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	8.64	8.64	8.64	8.64	8.64	8.64	8.54	8.74
Tetrachloro-m-xylene	3.65	3.64	3.65	3.64	3.65	3.65	3.55	3.75

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: ENTA05

Lab Code: CHEM Case No.: P4660 SAS No.: P4660 SDG NO.: P4660

Instrument ID: ECD_O

Calibration Date(s): 10/15/2024 10/16/2024

Calibration Times: 18:27 02:36

GC Column: ZB-MR1 ID: 0.32 (mm)

LAB FILE ID:		CF 1000 = <u>PO107184.D</u>		CF 750 = <u>PO107185.D</u>			
CF 500 = <u>PO107186.D</u>		CF 250 = <u>PO107187.D</u>		CF 050 = <u>PO107188.D</u>			
COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	% RSD
Aroclor-1016-1	(1)	252081604	261702867	271939076	291118488	272229420	269814291
Aroclor-1016-2	(2)	373760062	383028583	397887352	419075308	410673320	396884925
Aroclor-1016-3	(3)	234678633	244145249	256575754	276405664	244042480	251169556
Aroclor-1016-4	(4)	185622493	193848624	202963902	215081552	165543020	192611918
Aroclor-1016-5	(5)	176326470	182141932	191487930	203514892	159796500	182653545
Aroclor-1260-1	(1)	238480871	246497651	259155974	277220676	271587560	258588546
Aroclor-1260-2	(2)	243402558	251747185	264083512	284216460	272650860	263220115
Aroclor-1260-3	(3)	167353086	171560129	181491762	195138068	183182660	179745141
Aroclor-1260-4	(4)	162125557	166999933	175289716	187582032	185522120	175503872
Aroclor-1260-5	(5)	268686175	273623828	283035894	299271412	297351500	284393762
Decachlorobiphenyl		2362750210	2427138920	2496479000	2603827440	2376686800	2453376474
Tetrachloro-m-xylene		8902656430	9087809293	9285762860	9548006280	8745262400	9113899453
Aroclor-1242-1	(1)	207947063	205572916	222208808	238956456	243522880	223641625
Aroclor-1242-2	(2)	302439626	299949616	323550412	342804408	348858880	323520588
Aroclor-1242-3	(3)	191912697	193178427	209638152	224306728	225847640	208976729
Aroclor-1242-4	(4)	150447174	145338196	162797508	173135964	168308740	160005516
Aroclor-1242-5	(5)	141009343	143408436	153689098	164623016	179679780	156481935
Decachlorobiphenyl		2339420350	2427742867	2492700840	2551827400	2426410200	2447620331
Tetrachloro-m-xylene		8860043620	8651743680	9146784160	9504075440	9174828800	9067495140
Aroclor-1248-1	(1)	155913014	164800668	175191332	184609772	188867720	173876501
Aroclor-1248-2	(2)	222845576	238202488	253637968	270074056	280366620	253025342
Aroclor-1248-3	(3)	231904923	246233752	259706092	274388212	266197800	255686156
Aroclor-1248-4	(4)	237210289	246633865	260533272	272872732	271860120	257822056
Aroclor-1248-5	(5)	236273499	246591072	260733536	276314120	280304600	260043365
Decachlorobiphenyl		2339780580	2371533013	2504089680	2566158680	2396701200	2435652631
Tetrachloro-m-xylene		8719403610	9119992693	9358904180	9492784200	8995773400	9137371617
Aroclor-1254-1	(1)	246822697	256579683	264992242	286189960	289157060	268748328
Aroclor-1254-2	(2)	348120894	361641555	373031238	401237980	402995760	377405485
Aroclor-1254-3	(3)	336293322	345653409	355909306	378498460	372630440	357796987
Aroclor-1254-4	(4)	213138598	220171503	227187688	242530220	244046960	229414994
Aroclor-1254-5	(5)	194609638	201069208	205869028	220139672	216546640	207646837
Decachlorobiphenyl		2357746210	2401897693	2508594000	2601578200	2359367400	2445836701
Tetrachloro-m-xylene		8883763230	9164627320	9184369060	9508828480	8791509400	9106619498
Aroclor-1268-1	(1)	351862425	352413819	364622844	381760528	369380480	364008019

CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	313096403	314491445	324862806	339637696	320299560	322477582	3
Aroclor-1268-3	(3)	272236453	272760276	282620036	293538700	275661940	279363481	3
Aroclor-1268-4	(4)	112236308	111261111	114714594	116428084	101458340	111219687	5
Aroclor-1268-5	(5)	836674479	833098204	847063314	864357444	781067560	832452200	4
Decachlorobiphenyl		4074190590	4136234160	4241958160	4399826360	4004084600	4171258774	4
Tetrachloro-m-xylene		9139601460	8935957933	9311606620	9495189880	8951901000	9166851379	3

A

B

C

D

E

F

G

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: ENTA05

Lab Code: CHEM Case No.: P4660 SAS No.: P4660 SDG NO.: P4660

Instrument ID: ECD_O

Calibration Date(s): 10/15/2024 10/16/2024

Calibration Times: 18:27 02:36

GC Column: ZB-MR2 ID: 0.32 (mm)

LAB FILE ID:		CF 1000 = <u>PO107184.D</u>		CF 750 = <u>PO107185.D</u>				
CF 500 = <u>PO107186.D</u>		CF 250 = <u>PO107187.D</u>		CF 050 = <u>PO107188.D</u>				
COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	98519363	99934743	102532802	106601384	108740020	103265662	4
Aroclor-1016-2	(2)	140533795	142751421	144315942	146877552	130360060	140967754	5
Aroclor-1016-3	(3)	75819146	77111448	78799028	81783348	80215260	78745646	3
Aroclor-1016-4	(4)	61532960	63413097	65607722	69564368	70423600	66108349	6
Aroclor-1016-5	(5)	78878086	80970861	83522668	86940988	80356660	82133853	4
Aroclor-1260-1	(1)	150450531	152030172	155131756	161942364	156218200	155154605	3
Aroclor-1260-2	(2)	173752920	181526657	184104290	189736236	151457920	176115605	8
Aroclor-1260-3	(3)	168454604	170292340	172108108	175991544	151894120	167748143	6
Aroclor-1260-4	(4)	143637024	144895129	147115166	150514212	137242140	144680734	3
Aroclor-1260-5	(5)	340738400	339782780	336796716	340391952	289493480	329440666	7
Decachlorobiphenyl		2730622670	2745732653	2784792900	2852828640	2594005000	2741596373	3
Tetrachloro-m-xylene		3312014480	3338472613	3349065240	3230716080	2862214000	3218496483	6
Aroclor-1242-1	(1)	80390662	80447493	83937762	87266896	86674240	83743411	4
Aroclor-1242-2	(2)	114487494	111266404	117741916	120667112	114031640	115638913	3
Aroclor-1242-3	(3)	61817452	60461905	64396992	66865868	63624080	63433259	4
Aroclor-1242-4	(4)	60582529	60636219	64384594	68045260	66598220	64049364	5
Aroclor-1242-5	(5)	73763103	75675432	77215916	80736528	80226620	77523520	4
Decachlorobiphenyl		2686985320	2764418280	2764436780	2798541920	2665265400	2735929540	2
Tetrachloro-m-xylene		3315724680	3241948653	3341198040	3335574400	2920075400	3230904235	6
Aroclor-1248-1	(1)	60218805	63038185	64879120	66667236	62402400	63441149	4
Aroclor-1248-2	(2)	85173308	89108361	93061950	96541480	93540340	91485088	5
Aroclor-1248-3	(3)	89257070	93226611	97377878	100891904	96212540	95393201	5
Aroclor-1248-4	(4)	105934439	110533117	114760412	117772688	111691080	112138347	4
Aroclor-1248-5	(5)	102828085	105359652	109801380	114217964	119140640	110269544	6
Decachlorobiphenyl		2669365810	2682497173	2791873700	2836714480	2679938000	2732077833	3
Tetrachloro-m-xylene		3278417600	3389239440	3425836480	3362184040	2965722400	3284279992	6
Aroclor-1254-1	(1)	159855276	163854537	165548332	171717704	162964860	164788142	3
Aroclor-1254-2	(2)	138468840	142269335	144546922	151325972	148203140	144962842	3
Aroclor-1254-3	(3)	227061110	231385951	232213406	238575248	218867080	229620559	3
Aroclor-1254-4	(4)	128242906	130249965	131325350	135207044	122091880	129423429	4
Aroclor-1254-5	(5)	191904554	195153152	195378104	201188864	171636600	191052255	6
Decachlorobiphenyl		2726927150	2738190720	2773447120	2836815760	2598739800	2734824110	3
Tetrachloro-m-xylene		3347799560	3397335627	3354246660	3362236280	2930639600	3278451545	6
Aroclor-1268-1	(1)	419191400	409991492	413863584	410849472	368955300	404570250	5

CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	389672996	380096764	383518208	378699872	334345600	373266688	6
Aroclor-1268-3	(3)	345284332	337828173	339535756	338755760	307004380	333681680	5
Aroclor-1268-4	(4)	129107993	127445005	127285362	129260796	113749480	125369727	5
Aroclor-1268-5	(5)	1049237500	1019311260	1017080130	996315476	856840280	987756929	8
Decachlorobiphenyl		4873889790	4739451973	4823511780	4890043960	4430545400	4751488581	4
Tetrachloro-m-xylene		3440286630	3329771373	3416104800	3331345720	2963806400	3296262985	6

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: ENTA05

Lab Code: CHEM Case No.: P4660 SAS No.: P4660 SDG NO.: P4660

Instrument ID: ECD_O Date(s) Analyzed: 10/15/2024 10/16/2024

GC Column: ZB-MR1 ID: 0.32 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Aroclor-1221	500	1	4.57	4.47	4.67	110010000
		2	4.66	4.56	4.76	78836600
		3	4.73	4.63	4.83	234100000
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.73	4.63	4.83	195844000
		2	5.26	5.16	5.36	103025000
		3	5.54	5.44	5.64	179001000
		4	5.70	5.60	5.80	90165400
		5	5.80	5.70	5.90	65903200
Aroclor-1262	500	1	7.74	7.64	7.84	245548000
		2	8.28	8.18	8.38	309420000
		3	8.59	8.49	8.69	209196000
		4	8.68	8.58	8.78	163066000
		5	9.32	9.22	9.42	102764000

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: ENTA05

Lab Code: CHEM Case No.: P4660 SAS No.: P4660 SDG NO.: P4660

Instrument ID: ECD_O Date(s) Analyzed: 10/15/2024 10/16/2024

GC Column: ZB-MR2 ID: 0.32 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Aroclor-1221	500	1	3.86	3.76	3.96	34895600
		2	3.94	3.84	4.04	26624800
		3	4.02	3.92	4.12	81218600
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.02	3.92	4.12	67327000
		2	4.75	4.65	4.85	63205200
		3	4.92	4.82	5.02	34475000
		4	5.00	4.90	5.10	31466000
		5	5.18	5.08	5.28	33083400
Aroclor-1262	500	1	6.76	6.66	6.86	212876000
		2	7.26	7.16	7.36	363332000
		3	7.54	7.44	7.64	137384000
		4	7.61	7.51	7.71	264574000
		5	8.10	8.00	8.20	112833000

CALIBRATION VERIFICATION SUMMARY

Contract: ENTA05

Lab Code: CHEM Case No.: P4660 SAS No.: P4660 SDG NO.: P4660

Continuing Calib Date: 11/04/2024 Initial Calibration Date(s): 10/15/2024 10/16/2024

Continuing Calib Time: 11:26 Initial Calibration Time(s): 18:27 02:36

GC Column: ZB-MR1 ID: 0.32 (mm)

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	5.52	5.52	5.42	5.62	0.00
Aroclor-1016-2	(2)	5.54	5.55	5.45	5.65	0.01
Aroclor-1016-3	(3)	5.61	5.61	5.51	5.71	0.00
Aroclor-1016-4	(4)	5.70	5.70	5.60	5.80	0.00
Aroclor-1016-5	(5)	6.00	6.00	5.90	6.10	0.00
Aroclor-1260-1	(1)	7.13	7.13	7.03	7.23	0.00
Aroclor-1260-2	(2)	7.38	7.38	7.28	7.48	0.00
Aroclor-1260-3	(3)	7.75	7.74	7.64	7.84	0.00
Aroclor-1260-4	(4)	7.97	7.97	7.87	8.07	0.00
Aroclor-1260-5	(5)	8.28	8.28	8.18	8.38	0.00
Tetrachloro-m-xylene		4.37	4.37	4.27	4.47	0.00
Decachlorobiphenyl		10.07	10.06	9.96	10.16	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: ENTA05

Lab Code: CHEM Case No.: P4660 SAS No.: P4660 SDG NO.: P4660

Continuing Calib Date: 11/04/2024 Initial Calibration Date(s): 10/15/2024 10/16/2024

Continuing Calib Time: 11:26 Initial Calibration Time(s): 18:27 02:36

GC Column: ZB-MR2 ID: 0.32 (mm)

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	4.72	4.73	4.63	4.83	0.01
Aroclor-1016-2	(2)	4.74	4.75	4.65	4.85	0.01
Aroclor-1016-3	(3)	4.92	4.92	4.82	5.02	0.00
Aroclor-1016-4	(4)	4.96	4.96	4.86	5.06	0.00
Aroclor-1016-5	(5)	5.17	5.18	5.08	5.28	0.01
Aroclor-1260-1	(1)	6.20	6.21	6.11	6.31	0.01
Aroclor-1260-2	(2)	6.39	6.39	6.29	6.49	0.00
Aroclor-1260-3	(3)	6.55	6.55	6.45	6.65	0.00
Aroclor-1260-4	(4)	7.02	7.02	6.92	7.12	0.01
Aroclor-1260-5	(5)	7.26	7.26	7.16	7.36	0.00
Tetrachloro-m-xylene		3.64	3.65	3.55	3.75	0.01
Decachlorobiphenyl		8.64	8.64	8.54	8.74	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: ENTA05

Lab Code: CHEM Case No.: P4660 SAS No.: P4660 SDG NO.: P4660

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 10/15/2024 10/15/2024

Client Sample No.: CCAL01 Date Analyzed: 11/04/2024

Lab Sample No.: AR1660CCC500 Data File : PO107629.D Time Analyzed: 11:26

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.520	5.423	5.623	495.740	500.000	-0.9
Aroclor-1016-2	5.543	5.445	5.645	483.630	500.000	-3.3
Aroclor-1016-3	5.605	5.507	5.707	474.920	500.000	-5.0
Aroclor-1016-4	5.702	5.604	5.804	499.130	500.000	-0.2
Aroclor-1016-5	5.997	5.899	6.099	508.210	500.000	1.6
Aroclor-1260-1	7.126	7.026	7.226	509.270	500.000	1.9
Aroclor-1260-2	7.383	7.282	7.482	519.120	500.000	3.8
Aroclor-1260-3	7.745	7.643	7.843	522.220	500.000	4.4
Aroclor-1260-4	7.970	7.868	8.068	528.660	500.000	5.7
Aroclor-1260-5	8.283	8.181	8.381	520.190	500.000	4.0
Decachlorobiphenyl	10.065	9.958	10.158	48.540	50.000	-2.9
Tetrachloro-m-xylene	4.370	4.274	4.474	49.640	50.000	-0.7

CALIBRATION VERIFICATION SUMMARY

Contract: ENTA05

Lab Code: CHEM Case No.: P4660 SAS No.: P4660 SDG NO.: P4660

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 10/15/2024 10/15/2024

Client Sample No.: CCAL01 Date Analyzed: 11/04/2024

Lab Sample No.: AR1660CCC500 Data File : PO107629.D Time Analyzed: 11:26

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.723	4.626	4.826	510.300	500.000	2.1
Aroclor-1016-2	4.742	4.645	4.845	522.520	500.000	4.5
Aroclor-1016-3	4.918	4.821	5.021	503.120	500.000	0.6
Aroclor-1016-4	4.959	4.862	5.062	468.200	500.000	-6.4
Aroclor-1016-5	5.172	5.076	5.276	500.090	500.000	0.0
Aroclor-1260-1	6.203	6.107	6.307	491.800	500.000	-1.6
Aroclor-1260-2	6.391	6.294	6.494	519.880	500.000	4.0
Aroclor-1260-3	6.545	6.448	6.648	498.840	500.000	-0.2
Aroclor-1260-4	7.015	6.918	7.118	504.220	500.000	0.8
Aroclor-1260-5	7.256	7.159	7.359	535.390	500.000	7.1
Decachlorobiphenyl	8.637	8.539	8.739	53.380	50.000	6.8
Tetrachloro-m-xylene	3.642	3.545	3.745	51.330	50.000	2.7

CALIBRATION VERIFICATION SUMMARY

Contract: ENTA05

Lab Code: CHEM Case No.: P4660 SAS No.: P4660 SDG NO.: P4660

Continuing Calib Date: 11/04/2024 Initial Calibration Date(s): 10/15/2024 10/16/2024

Continuing Calib Time: 17:10 Initial Calibration Time(s): 18:27 02:36

GC Column: ZB-MR1 ID: 0.32 (mm)

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	5.52	5.52	5.42	5.62	0.00
Aroclor-1016-2	(2)	5.54	5.55	5.45	5.65	0.01
Aroclor-1016-3	(3)	5.61	5.61	5.51	5.71	0.00
Aroclor-1016-4	(4)	5.70	5.70	5.60	5.80	0.00
Aroclor-1016-5	(5)	6.00	6.00	5.90	6.10	0.00
Aroclor-1260-1	(1)	7.13	7.13	7.03	7.23	0.00
Aroclor-1260-2	(2)	7.38	7.38	7.28	7.48	0.00
Aroclor-1260-3	(3)	7.75	7.74	7.64	7.84	0.00
Aroclor-1260-4	(4)	7.97	7.97	7.87	8.07	0.00
Aroclor-1260-5	(5)	8.28	8.28	8.18	8.38	0.00
Tetrachloro-m-xylene		4.37	4.37	4.27	4.47	0.00
Decachlorobiphenyl		10.07	10.06	9.96	10.16	-0.01

CALIBRATION VERIFICATION SUMMARY

Contract: ENTA05

Lab Code: CHEM Case No.: P4660 SAS No.: P4660 SDG NO.: P4660

Continuing Calib Date: 11/04/2024 Initial Calibration Date(s): 10/15/2024 10/16/2024

Continuing Calib Time: 17:10 Initial Calibration Time(s): 18:27 02:36

GC Column: ZB-MR2 ID: 0.32 (mm)

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	4.72	4.73	4.63	4.83	0.01
Aroclor-1016-2	(2)	4.74	4.75	4.65	4.85	0.01
Aroclor-1016-3	(3)	4.92	4.92	4.82	5.02	0.00
Aroclor-1016-4	(4)	4.96	4.96	4.86	5.06	0.00
Aroclor-1016-5	(5)	5.17	5.18	5.08	5.28	0.01
Aroclor-1260-1	(1)	6.20	6.21	6.11	6.31	0.01
Aroclor-1260-2	(2)	6.39	6.39	6.29	6.49	0.00
Aroclor-1260-3	(3)	6.54	6.55	6.45	6.65	0.01
Aroclor-1260-4	(4)	7.02	7.02	6.92	7.12	0.01
Aroclor-1260-5	(5)	7.26	7.26	7.16	7.36	0.00
Tetrachloro-m-xylene		3.64	3.65	3.55	3.75	0.01
Decachlorobiphenyl		8.64	8.64	8.54	8.74	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: ENTA05

Lab Code: CHEM Case No.: P4660 SAS No.: P4660 SDG NO.: P4660

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 10/15/2024 10/15/2024

Client Sample No.: CCAL02 Date Analyzed: 11/04/2024

Lab Sample No.: AR1660CCC500 Data File : PO107644.D Time Analyzed: 17:10

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.522	5.423	5.623	508.860	500.000	1.8
Aroclor-1016-2	5.543	5.445	5.645	500.040	500.000	0.0
Aroclor-1016-3	5.606	5.507	5.707	500.160	500.000	0.0
Aroclor-1016-4	5.702	5.604	5.804	522.850	500.000	4.6
Aroclor-1016-5	5.998	5.899	6.099	521.630	500.000	4.3
Aroclor-1260-1	7.126	7.026	7.226	505.470	500.000	1.1
Aroclor-1260-2	7.383	7.282	7.482	521.130	500.000	4.2
Aroclor-1260-3	7.745	7.643	7.843	523.030	500.000	4.6
Aroclor-1260-4	7.970	7.868	8.068	536.480	500.000	7.3
Aroclor-1260-5	8.283	8.181	8.381	530.580	500.000	6.1
Decachlorobiphenyl	10.066	9.958	10.158	48.830	50.000	-2.3
Tetrachloro-m-xylene	4.371	4.274	4.474	51.780	50.000	3.6

CALIBRATION VERIFICATION SUMMARY

Contract: ENTA05

Lab Code: CHEM Case No.: P4660 SAS No.: P4660 SDG NO.: P4660

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 10/15/2024 10/15/2024

Client Sample No.: CCAL02 Date Analyzed: 11/04/2024

Lab Sample No.: AR1660CCC500 Data File : PO107644.D Time Analyzed: 17:10

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	4.723	4.626	4.826	529.010	500.000	5.8
Aroclor-1016-2	4.742	4.645	4.845	537.390	500.000	7.5
Aroclor-1016-3	4.918	4.821	5.021	520.000	500.000	4.0
Aroclor-1016-4	4.960	4.862	5.062	477.080	500.000	-4.6
Aroclor-1016-5	5.173	5.076	5.276	516.060	500.000	3.2
Aroclor-1260-1	6.203	6.107	6.307	512.050	500.000	2.4
Aroclor-1260-2	6.391	6.294	6.494	535.020	500.000	7.0
Aroclor-1260-3	6.544	6.448	6.648	514.440	500.000	2.9
Aroclor-1260-4	7.015	6.918	7.118	514.660	500.000	2.9
Aroclor-1260-5	7.256	7.159	7.359	543.510	500.000	8.7
Decachlorobiphenyl	8.637	8.539	8.739	52.320	50.000	4.6
Tetrachloro-m-xylene	3.642	3.545	3.745	52.670	50.000	5.3

CALIBRATION VERIFICATION SUMMARY

Contract: ENTA05

Lab Code: CHEM Case No.: P4660 SAS No.: P4660 SDG NO.: P4660

Continuing Calib Date: 11/04/2024 Initial Calibration Date(s): 10/15/2024 10/16/2024

Continuing Calib Time: 21:47 Initial Calibration Time(s): 18:27 02:36

GC Column: ZB-MR1 ID: 0.32 (mm)

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	5.52	5.52	5.42	5.62	0.00
Aroclor-1016-2	(2)	5.54	5.55	5.45	5.65	0.01
Aroclor-1016-3	(3)	5.61	5.61	5.51	5.71	0.00
Aroclor-1016-4	(4)	5.70	5.70	5.60	5.80	0.00
Aroclor-1016-5	(5)	6.00	6.00	5.90	6.10	0.00
Aroclor-1260-1	(1)	7.13	7.13	7.03	7.23	0.00
Aroclor-1260-2	(2)	7.38	7.38	7.28	7.48	0.00
Aroclor-1260-3	(3)	7.75	7.74	7.64	7.84	-0.01
Aroclor-1260-4	(4)	7.97	7.97	7.87	8.07	0.00
Aroclor-1260-5	(5)	8.29	8.28	8.18	8.38	0.00
Tetrachloro-m-xylene		4.37	4.37	4.27	4.47	0.00
Decachlorobiphenyl		10.07	10.06	9.96	10.16	-0.01

CALIBRATION VERIFICATION SUMMARY

Contract: ENTA05

Lab Code: CHEM Case No.: P4660 SAS No.: P4660 SDG NO.: P4660

Continuing Calib Date: 11/04/2024 Initial Calibration Date(s): 10/15/2024 10/16/2024

Continuing Calib Time: 21:47 Initial Calibration Time(s): 18:27 02:36

GC Column: ZB-MR2 ID: 0.32 (mm)

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	4.72	4.73	4.63	4.83	0.01
Aroclor-1016-2	(2)	4.74	4.75	4.65	4.85	0.01
Aroclor-1016-3	(3)	4.92	4.92	4.82	5.02	0.00
Aroclor-1016-4	(4)	4.96	4.96	4.86	5.06	0.00
Aroclor-1016-5	(5)	5.17	5.18	5.08	5.28	0.01
Aroclor-1260-1	(1)	6.20	6.21	6.11	6.31	0.01
Aroclor-1260-2	(2)	6.39	6.39	6.29	6.49	0.00
Aroclor-1260-3	(3)	6.54	6.55	6.45	6.65	0.01
Aroclor-1260-4	(4)	7.02	7.02	6.92	7.12	0.01
Aroclor-1260-5	(5)	7.26	7.26	7.16	7.36	0.00
Tetrachloro-m-xylene		3.64	3.65	3.55	3.75	0.01
Decachlorobiphenyl		8.64	8.64	8.54	8.74	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: ENTA05

Lab Code: CHEM Case No.: P4660 SAS No.: P4660 SDG NO.: P4660

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 10/15/2024 10/15/2024

Client Sample No.: CCAL03 Date Analyzed: 11/04/2024

Lab Sample No.: AR1660CCC500 Data File : PO107659.D Time Analyzed: 21:47

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.522	5.423	5.623	518.750	500.000	3.8
Aroclor-1016-2	5.544	5.445	5.645	500.630	500.000	0.1
Aroclor-1016-3	5.607	5.507	5.707	496.870	500.000	-0.6
Aroclor-1016-4	5.703	5.604	5.804	516.770	500.000	3.4
Aroclor-1016-5	5.999	5.899	6.099	527.390	500.000	5.5
Aroclor-1260-1	7.128	7.026	7.226	515.420	500.000	3.1
Aroclor-1260-2	7.384	7.282	7.482	532.300	500.000	6.5
Aroclor-1260-3	7.746	7.643	7.843	535.840	500.000	7.2
Aroclor-1260-4	7.971	7.868	8.068	545.140	500.000	9.0
Aroclor-1260-5	8.285	8.181	8.381	530.100	500.000	6.0
Decachlorobiphenyl	10.068	9.958	10.158	48.810	50.000	-2.4
Tetrachloro-m-xylene	4.371	4.274	4.474	52.270	50.000	4.5

CALIBRATION VERIFICATION SUMMARY

Contract: ENTA05

Lab Code: CHEM Case No.: P4660 SAS No.: P4660 SDG NO.: P4660

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 10/15/2024 10/15/2024

Client Sample No.: CCAL03 Date Analyzed: 11/04/2024

Lab Sample No.: AR1660CCC500 Data File : PO107659.D Time Analyzed: 21:47

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.723	4.626	4.826	531.310	500.000	6.3
Aroclor-1016-2	4.742	4.645	4.845	543.920	500.000	8.8
Aroclor-1016-3	4.918	4.821	5.021	524.190	500.000	4.8
Aroclor-1016-4	4.960	4.862	5.062	480.090	500.000	-4.0
Aroclor-1016-5	5.172	5.076	5.276	522.420	500.000	4.5
Aroclor-1260-1	6.203	6.107	6.307	518.730	500.000	3.7
Aroclor-1260-2	6.390	6.294	6.494	550.320	500.000	10.1
Aroclor-1260-3	6.544	6.448	6.648	521.320	500.000	4.3
Aroclor-1260-4	7.015	6.918	7.118	524.500	500.000	4.9
Aroclor-1260-5	7.256	7.159	7.359	552.420	500.000	10.5
Decachlorobiphenyl	8.636	8.539	8.739	53.270	50.000	6.5
Tetrachloro-m-xylene	3.643	3.545	3.745	52.940	50.000	5.9

Analytical Sequence

Client: ENTACT

SDG No.: P4660

Project: 540 Degraw St, Brooklyn, NY - E9309

Instrument ID: ECD_O

GC Column: ZB-MR1

ID: 0.32 (mm)

Inst. Calib. Date(s): 10/15/2024 10/15/2024

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES,
AND STANDARDS IS GIVEN BELOW:

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
IBLK	IBLK	10/15/2024	18:08	PO107183.D	10.06	4.37
AR1660ICC1000	AR1660ICC1000	10/15/2024	18:27	PO107184.D	10.06	4.37
AR1660ICC750	AR1660ICC750	10/15/2024	18:45	PO107185.D	10.06	4.37
AR1660ICC500	AR1660ICC500	10/15/2024	19:03	PO107186.D	10.06	4.37
AR1660ICC250	AR1660ICC250	10/15/2024	19:21	PO107187.D	10.06	4.37
AR1660ICC050	AR1660ICC050	10/15/2024	19:39	PO107188.D	10.06	4.37
AR1221ICC500	AR1221ICC500	10/15/2024	19:57	PO107189.D	10.06	4.37
AR1232ICC500	AR1232ICC500	10/15/2024	20:15	PO107190.D	10.06	4.37
AR1242ICC1000	AR1242ICC1000	10/15/2024	20:34	PO107191.D	10.06	4.37
AR1242ICC750	AR1242ICC750	10/15/2024	20:52	PO107192.D	10.06	4.37
AR1242ICC500	AR1242ICC500	10/15/2024	21:10	PO107193.D	10.06	4.37
AR1242ICC250	AR1242ICC250	10/15/2024	21:28	PO107194.D	10.06	4.37
AR1242ICC050	AR1242ICC050	10/15/2024	21:46	PO107195.D	10.06	4.37
AR1248ICC1000	AR1248ICC1000	10/15/2024	22:04	PO107196.D	10.06	4.37
AR1248ICC750	AR1248ICC750	10/15/2024	22:22	PO107197.D	10.06	4.37
AR1248ICC500	AR1248ICC500	10/15/2024	22:41	PO107198.D	10.06	4.37
AR1248ICC250	AR1248ICC250	10/15/2024	22:59	PO107199.D	10.06	4.37
AR1248ICC050	AR1248ICC050	10/15/2024	23:17	PO107200.D	10.06	4.37
AR1254ICC1000	AR1254ICC1000	10/15/2024	23:35	PO107201.D	10.06	4.37
AR1254ICC750	AR1254ICC750	10/15/2024	23:53	PO107202.D	10.06	4.37
AR1254ICC500	AR1254ICC500	10/16/2024	00:11	PO107203.D	10.06	4.37
AR1254ICC250	AR1254ICC250	10/16/2024	00:29	PO107204.D	10.06	4.37
AR1254ICC050	AR1254ICC050	10/16/2024	00:47	PO107205.D	10.06	4.37
AR1262ICC500	AR1262ICC500	10/16/2024	01:05	PO107206.D	10.06	4.37
AR1268ICC1000	AR1268ICC1000	10/16/2024	01:23	PO107207.D	10.06	4.37
AR1268ICC750	AR1268ICC750	10/16/2024	01:41	PO107208.D	10.06	4.37
AR1268ICC500	AR1268ICC500	10/16/2024	01:59	PO107209.D	10.06	4.37
AR1268ICC250	AR1268ICC250	10/16/2024	02:18	PO107210.D	10.06	4.37
AR1268ICC050	AR1268ICC050	10/16/2024	02:36	PO107211.D	10.06	4.37
AR1660CCC500	AR1660CCC500	11/04/2024	11:26	PO107629.D	10.07	4.37
IBLK	IBLK	11/04/2024	12:33	PO107633.D	10.07	4.37
PB164638BL	PB164638BL	11/04/2024	13:57	PO107634.D	10.07	4.37
PB164638BS	PB164638BS	11/04/2024	14:13	PO107635.D	10.07	4.37
WC-TA2-01-C	P4660-02	11/04/2024	14:30	PO107636.D	10.07	4.37
WC-WOOD-01-C	P4660-06	11/04/2024	14:46	PO107637.D	10.07	4.37
WC-CONCRETE-01-C	P4660-10	11/04/2024	15:02	PO107638.D	10.07	4.37
AR1660CCC500	AR1660CCC500	11/04/2024	17:10	PO107644.D	10.07	4.37
IBLK	IBLK	11/04/2024	18:15	PO107648.D	10.07	4.37
BP-F26MS	P4680-01MS	11/04/2024	20:28	PO107656.D	10.07	4.37
BP-F26MSD	P4680-01MSD	11/04/2024	20:44	PO107657.D	10.07	4.37
AR1660CCC500	AR1660CCC500	11/04/2024	21:47	PO107659.D	10.07	4.37
IBLK	IBLK	11/04/2024	22:53	PO107663.D	10.07	4.37

Analytical Sequence

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Analytical Sequence

Client: ENTACT

SDG No.: P4660

Project: 540 Degraw St, Brooklyn, NY - E9309

Instrument ID: ECD_O

GC Column: ZB-MR2

ID: 0.32 (mm)

Inst. Calib. Date(s): 10/15/2024

10/15/2024

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES,
AND STANDARDS IS GIVEN BELOW:

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
IBLK	IBLK	10/15/2024	18:08	PO107183.D	8.64	3.64
AR1660ICC1000	AR1660ICC1000	10/15/2024	18:27	PO107184.D	8.64	3.64
AR1660ICC750	AR1660ICC750	10/15/2024	18:45	PO107185.D	8.64	3.64
AR1660ICC500	AR1660ICC500	10/15/2024	19:03	PO107186.D	8.64	3.65
AR1660ICC250	AR1660ICC250	10/15/2024	19:21	PO107187.D	8.64	3.64
AR1660ICC050	AR1660ICC050	10/15/2024	19:39	PO107188.D	8.64	3.64
AR1221ICC500	AR1221ICC500	10/15/2024	19:57	PO107189.D	8.64	3.64
AR1232ICC500	AR1232ICC500	10/15/2024	20:15	PO107190.D	8.64	3.64
AR1242ICC1000	AR1242ICC1000	10/15/2024	20:34	PO107191.D	8.64	3.64
AR1242ICC750	AR1242ICC750	10/15/2024	20:52	PO107192.D	8.64	3.64
AR1242ICC500	AR1242ICC500	10/15/2024	21:10	PO107193.D	8.64	3.64
AR1242ICC250	AR1242ICC250	10/15/2024	21:28	PO107194.D	8.64	3.65
AR1242ICC050	AR1242ICC050	10/15/2024	21:46	PO107195.D	8.64	3.64
AR1248ICC1000	AR1248ICC1000	10/15/2024	22:04	PO107196.D	8.64	3.64
AR1248ICC750	AR1248ICC750	10/15/2024	22:22	PO107197.D	8.64	3.64
AR1248ICC500	AR1248ICC500	10/15/2024	22:41	PO107198.D	8.64	3.64
AR1248ICC250	AR1248ICC250	10/15/2024	22:59	PO107199.D	8.64	3.64
AR1248ICC050	AR1248ICC050	10/15/2024	23:17	PO107200.D	8.64	3.64
AR1254ICC1000	AR1254ICC1000	10/15/2024	23:35	PO107201.D	8.64	3.65
AR1254ICC750	AR1254ICC750	10/15/2024	23:53	PO107202.D	8.64	3.64
AR1254ICC500	AR1254ICC500	10/16/2024	00:11	PO107203.D	8.64	3.64
AR1254ICC250	AR1254ICC250	10/16/2024	00:29	PO107204.D	8.64	3.64
AR1254ICC050	AR1254ICC050	10/16/2024	00:47	PO107205.D	8.64	3.65
AR1262ICC500	AR1262ICC500	10/16/2024	01:05	PO107206.D	8.64	3.64
AR1268ICC1000	AR1268ICC1000	10/16/2024	01:23	PO107207.D	8.64	3.65
AR1268ICC750	AR1268ICC750	10/16/2024	01:41	PO107208.D	8.64	3.64
AR1268ICC500	AR1268ICC500	10/16/2024	01:59	PO107209.D	8.64	3.65
AR1268ICC250	AR1268ICC250	10/16/2024	02:18	PO107210.D	8.64	3.64
AR1268ICC050	AR1268ICC050	10/16/2024	02:36	PO107211.D	8.64	3.65
AR1660CCC500	AR1660CCC500	11/04/2024	11:26	PO107629.D	8.64	3.64
IBLK	IBLK	11/04/2024	12:33	PO107633.D	8.64	3.64
PB164638BL	PB164638BL	11/04/2024	13:57	PO107634.D	8.64	3.64
PB164638BS	PB164638BS	11/04/2024	14:13	PO107635.D	8.64	3.64
WC-TA2-01-C	P4660-02	11/04/2024	14:30	PO107636.D	8.64	3.64
WC-WOOD-01-C	P4660-06	11/04/2024	14:46	PO107637.D	8.64	3.64
WC-CONCRETE-01-C	P4660-10	11/04/2024	15:02	PO107638.D	8.64	3.65
AR1660CCC500	AR1660CCC500	11/04/2024	17:10	PO107644.D	8.64	3.64
IBLK	IBLK	11/04/2024	18:15	PO107648.D	8.64	3.64
BP-F26MS	P4680-01MS	11/04/2024	20:28	PO107656.D	8.64	3.64
BP-F26MSD	P4680-01MSD	11/04/2024	20:44	PO107657.D	8.63	3.64
AR1660CCC500	AR1660CCC500	11/04/2024	21:47	PO107659.D	8.64	3.64
IBLK	IBLK	11/04/2024	22:53	PO107663.D	8.64	3.64

Analytical Sequence

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QC SAMPLE DATA

Report of Analysis

Client:	ENTACT		Date Collected:		
Project:	540 Degraw St, Brooklyn, NY - E9309		Date Received:		
Client Sample ID:	PB164638BL		SDG No.:	P4660	
Lab Sample ID:	PB164638BL		Matrix:	SOIL	
Analytical Method:	SW8082A		% Solid:	100	Decanted:
Sample Wt/Vol:	30.03	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO107634.D	1	11/04/24 08:15	11/04/24 13:57	PB164638

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	3.40	U	3.40	17.0	ug/kg
11104-28-2	Aroclor-1221	6.40	U	6.40	17.0	ug/kg
11141-16-5	Aroclor-1232	3.40	U	3.40	17.0	ug/kg
53469-21-9	Aroclor-1242	3.40	U	3.40	17.0	ug/kg
12672-29-6	Aroclor-1248	7.90	U	7.90	17.0	ug/kg
11097-69-1	Aroclor-1254	2.70	U	2.70	17.0	ug/kg
37324-23-5	Aroclor-1262	4.60	U	4.60	17.0	ug/kg
11100-14-4	Aroclor-1268	3.40	U	3.40	17.0	ug/kg
11096-82-5	Aroclor-1260	2.90	U	2.90	17.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.4		30 (32) - 150 (144)	102%	SPK: 20
2051-24-3	Decachlorobiphenyl	22.9		30 (32) - 150 (175)	115%	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

Report of Analysis

Client:	ENTACT		Date Collected:	10/15/24	
Project:	540 Degraw St, Brooklyn, NY - E9309		Date Received:	10/15/24	
Client Sample ID:	PIBLK-PO107183.D		SDG No.:	P4660	
Lab Sample ID:	I.BLK-PO107183.D		Matrix:	WATER	
Analytical Method:	SW8082A		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	5030				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO107183.D	1		10/15/24	po101524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.15	U	0.15	0.50	ug/L
11104-28-2	Aroclor-1221	0.23	U	0.23	0.50	ug/L
11141-16-5	Aroclor-1232	0.37	U	0.37	0.50	ug/L
53469-21-9	Aroclor-1242	0.16	U	0.16	0.50	ug/L
12672-29-6	Aroclor-1248	0.12	U	0.12	0.50	ug/L
11097-69-1	Aroclor-1254	0.11	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	0.15	U	0.15	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.12	U	0.12	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	22.1		70 (60) - 130 (140)	110%	SPK: 20
2051-24-3	Decachlorobiphenyl	22.8		70 (60) - 130 (140)	114%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

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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

Report of Analysis

Client:	ENTACT		Date Collected:	11/04/24	
Project:	540 Degraw St, Brooklyn, NY - E9309		Date Received:	11/04/24	
Client Sample ID:	PIBLK-PO107633.D		SDG No.:	P4660	
Lab Sample ID:	I.BLK-PO107633.D		Matrix:	WATER	
Analytical Method:	SW8082A		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	5030				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO107633.D	1		11/04/24	PO110424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.15	U	0.15	0.50	ug/L
11104-28-2	Aroclor-1221	0.23	U	0.23	0.50	ug/L
11141-16-5	Aroclor-1232	0.37	U	0.37	0.50	ug/L
53469-21-9	Aroclor-1242	0.16	U	0.16	0.50	ug/L
12672-29-6	Aroclor-1248	0.12	U	0.12	0.50	ug/L
11097-69-1	Aroclor-1254	0.11	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	0.15	U	0.15	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.12	U	0.12	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.4		70 (60) - 130 (140)	97%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.3		70 (60) - 130 (140)	106%	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

Report of Analysis

Client:	ENTACT		Date Collected:	11/04/24	
Project:	540 Degraw St, Brooklyn, NY - E9309		Date Received:	11/04/24	
Client Sample ID:	PIBLK-PO107648.D		SDG No.:	P4660	
Lab Sample ID:	I.BLK-PO107648.D		Matrix:	WATER	
Analytical Method:	SW8082A		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	5030				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO107648.D	1		11/04/24	PO110424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.15	U	0.15	0.50	ug/L
11104-28-2	Aroclor-1221	0.23	U	0.23	0.50	ug/L
11141-16-5	Aroclor-1232	0.37	U	0.37	0.50	ug/L
53469-21-9	Aroclor-1242	0.16	U	0.16	0.50	ug/L
12672-29-6	Aroclor-1248	0.12	U	0.12	0.50	ug/L
11097-69-1	Aroclor-1254	0.11	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	0.15	U	0.15	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.12	U	0.12	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.3		70 (60) - 130 (140)	96%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.8		70 (60) - 130 (140)	104%	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

Report of Analysis

Client:	ENTACT		Date Collected:	11/04/24	
Project:	540 Degraw St, Brooklyn, NY - E9309		Date Received:	11/04/24	
Client Sample ID:	PIBLK-PO107663.D		SDG No.:	P4660	
Lab Sample ID:	I.BLK-PO107663.D		Matrix:	WATER	
Analytical Method:	SW8082A		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	5030				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO107663.D	1		11/04/24	PO110424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.15	U	0.15	0.50	ug/L
11104-28-2	Aroclor-1221	0.23	U	0.23	0.50	ug/L
11141-16-5	Aroclor-1232	0.37	U	0.37	0.50	ug/L
53469-21-9	Aroclor-1242	0.16	U	0.16	0.50	ug/L
12672-29-6	Aroclor-1248	0.12	U	0.12	0.50	ug/L
11097-69-1	Aroclor-1254	0.11	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	0.15	U	0.15	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.12	U	0.12	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.5		70 (60) - 130 (140)	97%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.9		70 (60) - 130 (140)	105%	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

Report of Analysis

Client:	ENTACT		Date Collected:		
Project:	540 Degraw St, Brooklyn, NY - E9309		Date Received:		
Client Sample ID:	PB164638BS		SDG No.:	P4660	
Lab Sample ID:	PB164638BS		Matrix:	SOIL	
Analytical Method:	SW8082A		% Solid:	100	Decanted:
Sample Wt/Vol:	30.01	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO107635.D	1	11/04/24 08:15	11/04/24 14:13	PB164638

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	148		3.40	17.0	ug/kg
11104-28-2	Aroclor-1221	6.40	U	6.40	17.0	ug/kg
11141-16-5	Aroclor-1232	3.40	U	3.40	17.0	ug/kg
53469-21-9	Aroclor-1242	3.40	U	3.40	17.0	ug/kg
12672-29-6	Aroclor-1248	7.90	U	7.90	17.0	ug/kg
11097-69-1	Aroclor-1254	2.70	U	2.70	17.0	ug/kg
37324-23-5	Aroclor-1262	4.60	U	4.60	17.0	ug/kg
11100-14-4	Aroclor-1268	3.40	U	3.40	17.0	ug/kg
11096-82-5	Aroclor-1260	150		2.90	17.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.2		30 (32) - 150 (144)	101%	SPK: 20
2051-24-3	Decachlorobiphenyl	22.6		30 (32) - 150 (175)	113%	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

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D = Dilution

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

() = Laboratory InHouse Limit

Report of Analysis

Client:	ENTACT			Date Collected:	11/01/24	
Project:	540 Degraw St, Brooklyn, NY - E9309			Date Received:	11/01/24	
Client Sample ID:	BP-F26MS			SDG No.:	P4660	
Lab Sample ID:	P4680-01MS			Matrix:	SOIL	
Analytical Method:	SW8082A			% Solid:	89.8	Decanted:
Sample Wt/Vol:	30.06	Units:	g	Final Vol:	10000	uL
Soil Aliquot Vol:			uL	Test:	PCB	
Extraction Type:				Injection Volume :		
GPC Factor :	1.0	PH :				
Prep Method :	SW3541B					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO107656.D	1	11/04/24 08:15	11/04/24 20:28	PB164638

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	161		3.80	18.9	ug/kg
11104-28-2	Aroclor-1221	7.10	U	7.10	18.9	ug/kg
11141-16-5	Aroclor-1232	3.80	U	3.80	18.9	ug/kg
53469-21-9	Aroclor-1242	3.80	U	3.80	18.9	ug/kg
12672-29-6	Aroclor-1248	8.80	U	8.80	18.9	ug/kg
11097-69-1	Aroclor-1254	3.00	U	3.00	18.9	ug/kg
37324-23-5	Aroclor-1262	5.10	U	5.10	18.9	ug/kg
11100-14-4	Aroclor-1268	3.80	U	3.80	18.9	ug/kg
11096-82-5	Aroclor-1260	155		3.20	18.9	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.6		30 (32) - 150 (144)	98%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.1		30 (32) - 150 (175)	96%	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

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D = Dilution

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

() = Laboratory InHouse Limit

Report of Analysis

Client:	ENTACT		Date Collected:	11/01/24	
Project:	540 Degraw St, Brooklyn, NY - E9309		Date Received:	11/01/24	
Client Sample ID:	BP-F26MSD		SDG No.:	P4660	
Lab Sample ID:	P4680-01MSD		Matrix:	SOIL	
Analytical Method:	SW8082A		% Solid:	89.8	Decanted:
Sample Wt/Vol:	30.04	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO107657.D	1	11/04/24 08:15	11/04/24 20:44	PB164638

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	162		3.80	18.9	ug/kg
11104-28-2	Aroclor-1221	7.10	U	7.10	18.9	ug/kg
11141-16-5	Aroclor-1232	3.80	U	3.80	18.9	ug/kg
53469-21-9	Aroclor-1242	3.80	U	3.80	18.9	ug/kg
12672-29-6	Aroclor-1248	8.80	U	8.80	18.9	ug/kg
11097-69-1	Aroclor-1254	3.00	U	3.00	18.9	ug/kg
37324-23-5	Aroclor-1262	5.10	U	5.10	18.9	ug/kg
11100-14-4	Aroclor-1268	3.80	U	3.80	18.9	ug/kg
11096-82-5	Aroclor-1260	155		3.20	18.9	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	18.9		30 (32) - 150 (144)	95%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.2		30 (32) - 150 (175)	96%	SPK: 20

Comments:

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LAB CHRONICLE

OrderID:	P4660	OrderDate:	10/31/2024 2:38:00 PM
Client:	ENTACT	Project:	540 Degraw St, Brooklyn, NY - E9309
Contact:	Jarod Stanfield	Location:	K41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4660-02	WC-TA2-01-C	SOIL			10/30/24			10/31/24
			PCB	8082A		11/04/24	11/04/24	
P4660-03	WC-TA2-01-C	TCLP			10/30/24			10/31/24
			TCLP Herbicide	8151A		11/06/24	11/07/24	
			TCLP Pesticide	8081B		11/06/24	11/07/24	
P4660-06	WC-WOOD-01-C	SOIL			10/31/24			10/31/24
			PCB	8082A		11/04/24	11/04/24	
P4660-07	WC-WOOD-01-C	TCLP			10/31/24			10/31/24
			TCLP Herbicide	8151A		11/06/24	11/07/24	
			TCLP Pesticide	8081B		11/06/24	11/07/24	
P4660-10	WC-CONCRETE-01-C	SOIL			10/31/24			10/31/24
			PCB	8082A		11/04/24	11/04/24	
P4660-11	WC-CONCRETE-01-C	TCLP			10/31/24			10/31/24
			TCLP Herbicide	8151A		11/06/24	11/07/24	
			TCLP Pesticide	8081B		11/06/24	11/07/24	



Hit Summary Sheet
SW-846

SDG No.: P4660

Order ID: P4660

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			



SAMPLE DATA

Report of Analysis

Client:	ENTACT		Date Collected:	10/30/24	
Project:	540 Degraw St, Brooklyn, NY - E9309		Date Received:	10/31/24	
Client Sample ID:	WC-TA2-01-C		SDG No.:	P4660	
Lab Sample ID:	P4660-03		Matrix:	TCLP	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	100	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	TCLP Pesticide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092889.D	1	11/06/24 10:35	11/07/24 11:35	PB164753

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.049	U	0.049	0.50	ug/L
76-44-8	Heptachlor	0.054	U	0.054	0.50	ug/L
1024-57-3	Heptachlor epoxide	0.090	U	0.090	0.50	ug/L
72-20-8	Endrin	0.043	U	0.043	0.50	ug/L
72-43-5	Methoxychlor	0.11	U	0.11	0.50	ug/L
8001-35-2	Toxaphene	1.50	U	1.50	10.0	ug/L
57-74-9	Chlordane	0.82	U	0.82	5.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	19.6		30 (43) - 150 (140)	98%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.3		30 (77) - 150 (126)	107%	SPK: 20

Comments:

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J = Estimated Value

B = Analyte Found in Associated Method Blank

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() = Laboratory InHouse Limit

Report of Analysis

Client:	ENTACT		Date Collected:	10/31/24	
Project:	540 Degraw St, Brooklyn, NY - E9309		Date Received:	10/31/24	
Client Sample ID:	WC-WOOD-01-C		SDG No.:	P4660	
Lab Sample ID:	P4660-07		Matrix:	TCLP	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	100	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	TCLP Pesticide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092890.D	1	11/06/24 10:35	11/07/24 11:49	PB164753

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.049	U	0.049	0.50	ug/L
76-44-8	Heptachlor	0.054	U	0.054	0.50	ug/L
1024-57-3	Heptachlor epoxide	0.090	U	0.090	0.50	ug/L
72-20-8	Endrin	0.043	U	0.043	0.50	ug/L
72-43-5	Methoxychlor	0.11	U	0.11	0.50	ug/L
8001-35-2	Toxaphene	1.50	U	1.50	10.0	ug/L
57-74-9	Chlordane	0.82	U	0.82	5.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	17.3		30 (43) - 150 (140)	86%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.9		30 (77) - 150 (126)	104%	SPK: 20

Comments:

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MDL = Method Detection Limit

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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

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D = Dilution

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

() = Laboratory InHouse Limit

Report of Analysis

Client:	ENTACT		Date Collected:	10/31/24	
Project:	540 Degraw St, Brooklyn, NY - E9309		Date Received:	10/31/24	
Client Sample ID:	WC-CONCRETE-01-C		SDG No.:	P4660	
Lab Sample ID:	P4660-11		Matrix:	TCLP	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	100	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	TCLP Pesticide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092891.D	1	11/06/24 10:35	11/07/24 12:03	PB164753

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.049	U	0.049	0.50	ug/L
76-44-8	Heptachlor	0.054	U	0.054	0.50	ug/L
1024-57-3	Heptachlor epoxide	0.090	U	0.090	0.50	ug/L
72-20-8	Endrin	0.043	U	0.043	0.50	ug/L
72-43-5	Methoxychlor	0.11	U	0.11	0.50	ug/L
8001-35-2	Toxaphene	1.50	U	1.50	10.0	ug/L
57-74-9	Chlordane	0.82	U	0.82	5.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	10.5		30 (43) - 150 (140)	52%	SPK: 20
877-09-8	Tetrachloro-m-xylene	17.9		30 (77) - 150 (126)	90%	SPK: 20

Comments:

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LOD = Limit of Detection

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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

Report of Analysis

Client:	ENTACT		Date Collected:		
Project:	540 Degraw St, Brooklyn, NY - E9309		Date Received:	11/06/24	
Client Sample ID:	PB164560TB		SDG No.:	P4660	
Lab Sample ID:	PB164560TB		Matrix:	TCLP	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	100	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	TCLP Pesticide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092896.D	1	11/06/24 10:35	11/07/24 13:38	PB164753

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.049	U	0.049	0.50	ug/L
76-44-8	Heptachlor	0.054	U	0.054	0.50	ug/L
1024-57-3	Heptachlor epoxide	0.090	U	0.090	0.50	ug/L
72-20-8	Endrin	0.043	U	0.043	0.50	ug/L
72-43-5	Methoxychlor	0.11	U	0.11	0.50	ug/L
8001-35-2	Toxaphene	1.50	U	1.50	10.0	ug/L
57-74-9	Chlordane	0.82	U	0.82	5.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	22.8		30 (43) - 150 (140)	114%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.6		30 (77) - 150 (126)	103%	SPK: 20

Comments:

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LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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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

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() = Laboratory InHouse Limit



QC SUMMARY

Surrogate Summary

SDG No.: **P4660**

Client: **ENTACT**

Analytical Method: **8081B**

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
I.BLK-PL092652.D	PIBLK-PL092652.D	Decachlorobiphenyl	1	20	22.7	114		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	21.6	108		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	21.7	109		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	20.4	102		30 (77)	150 (126)
I.BLK-PL092886.D	PIBLK-PL092886.D	Decachlorobiphenyl	1	20	20.5	103		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	20.4	102		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	19.2	96		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	19.5	98		30 (77)	150 (126)
P4660-03	WC-TA2-01-C	Decachlorobiphenyl	1	20	19.6	98		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	21.3	107		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	19.0	95		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	20.0	100		30 (77)	150 (126)
P4660-07	WC-WOOD-01-C	Decachlorobiphenyl	1	20	17.3	86		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	13.3	66		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	12.6	63		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	20.9	104		30 (77)	150 (126)
P4660-11	WC-CONCRETE-01-C	Decachlorobiphenyl	1	20	10.5	52		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	17.5	88		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	9.99	50		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	17.9	90		30 (77)	150 (126)
PB164753BL	PB164753BL	Decachlorobiphenyl	1	20	22.2	111		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	21.0	105		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	22.0	110		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	20.4	102		30 (77)	150 (126)
PB164560TB	PB164560TB	Decachlorobiphenyl	1	20	22.8	114		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	20.6	103		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	22.5	113		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	19.8	99		30 (77)	150 (126)
I.BLK-PL092903.D	PIBLK-PL092903.D	Decachlorobiphenyl	1	20	18.5	92		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	20.5	103		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	17.0	85		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	19.4	97		30 (77)	150 (126)
I.BLK-PL092918.D	PIBLK-PL092918.D	Decachlorobiphenyl	1	20	21.8	109		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	21.6	108		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	21.5	108		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	20.9	105		30 (77)	150 (126)
PB164753BS	PB164753BS	Decachlorobiphenyl	1	20	20.2	101		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	18.8	94		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	20.1	100		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	17.9	90		30 (77)	150 (126)
I.BLK-PL092938.D	PIBLK-PL092938.D	Decachlorobiphenyl	1	20	20.4	102		30 (43)	150 (140)

() = LABORATORY INHOUSE LIMIT

Surrogate Summary

SDG No.: **P4660**

Client: **ENTACT**

Analytical Method: **8081B**

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
I.BLK-PL092938.D	PIBLK-PL092938.D	Tetrachloro-m-xylene	1	20	22.2	111		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	19.4	97		30 (43)	150 (140)
I.BLK-PL092941.D	PIBLK-PL092941.D	Tetrachloro-m-xylene	2	20	22.1	111		30 (77)	150 (126)
		Decachlorobiphenyl	1	20	20.8	104		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	22.3	112		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	19.8	99		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	21.6	108		30 (77)	150 (126)
P4660-03MS	WC-TA2-01-CMS	Decachlorobiphenyl	1	20	18.7	94		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	23.6	118		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	18.3	92		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	19.6	98		30 (77)	150 (126)
P4660-03MSD	WC-TA2-01-CMSD	Decachlorobiphenyl	1	20	18.5	93		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	22.9	114		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	18.2	91		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	19.4	97		30 (77)	150 (126)
I.BLK-PL092959.D	PIBLK-PL092959.D	Decachlorobiphenyl	1	20	22.0	110		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	22.1	110		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	22.2	111		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	21.5	107		30 (77)	150 (126)

() = LABORATORY INHOUSE LIMIT

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4660

Client: ENTACT

Analytical Method: 8081B

DataFile : PL092948.D

Lab Sample ID:	Parameter	Spike	Sample		Units	Rec	Rec		RPD		Limits	
			Result	Result			Qual	RPD	Qual	Low	High	RPD
Client Sample ID: P4660-03MS	WC-TA2-01-CMS											
	gamma-BHC (Lindane)	5	0	4.70	ug/L	94				30 (60)	150 (152)	
	Heptachlor	5	0	5.20	ug/L	104				30 (56)	150 (147)	
	Heptachlor epoxide	5	0	5.30	ug/L	106				30 (77)	150 (143)	
	Endrin	5	0	5.60	ug/L	112				30 (76)	150 (144)	
	Methoxychlor	5	0	5.00	ug/L	100				30 (70)	150 (142)	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4660

Client: ENTACT

Analytical Method: 8081B

DataFile : PL092949.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID:	WC-TA2-01-CMSD											
P4660-03MSD	gamma-BHC (Lindane)	5	0	4.60	ug/L	92		2		30 (60)	150 (152)	20 (20)
	Heptachlor	5	0	5.10	ug/L	102		2		30 (56)	150 (147)	20 (20)
	Heptachlor epoxide	5	0	5.20	ug/L	104		2		30 (77)	150 (143)	20 (20)
	Endrin	5	0	5.60	ug/L	112		0		30 (76)	150 (144)	20 (20)
	Methoxychlor	5	0	5.00	ug/L	100		0		30 (70)	150 (142)	20 (20)

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4660

Client: ENTACT

Analytical Method: **8081B** Datafile : PL092921.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB164753BS	gamma-BHC (Lindane)	0.5	0.51	ug/L	101				40 (82)	140 (129)		
	Heptachlor	0.5	0.53	ug/L	106				40 (79)	140 (127)		
	Heptachlor epoxide	0.5	0.53	ug/L	107				40 (81)	140 (124)		
	Endrin	0.5	0.54	ug/L	107				40 (81)	140 (128)		
	Methoxychlor	0.5	0.53	ug/L	105				40 (78)	140 (108)		

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB164753BL

Lab Name: CHEMTECH

Contract: ENTA05

Lab Code: CHEM Case No.: P4660

SAS No.: P4660 SDG NO.: P4660

Lab Sample ID: PB164753BL

Lab File ID: PL092894.D

Matrix: (soil/water) water

Extraction: (Type) _____

Sulfur Cleanup: (Y/N) N

Date Extracted: 11/06/2024

Date Analyzed (1): 11/07/2024

Date Analyzed (2): 11/07/2024

Time Analyzed (1): 12:44

Time Analyzed (2): 12:44

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

GC Column (1): ZB-MR2 ID: 0.32 (mm)

GC Column (2): ZB-MR1 ID: 0.32 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
WC-TA2-01-C	P4660-03	PL092889.D	11/07/2024	11/07/2024
WC-WOOD-01-C	P4660-07	PL092890.D	11/07/2024	11/07/2024
WC-CONCRETE-01-C	P4660-11	PL092891.D	11/07/2024	11/07/2024
PB164560TB	PB164560TB	PL092896.D	11/07/2024	11/07/2024
PB164753BS	PB164753BS	PL092921.D	11/08/2024	11/08/2024
WC-TA2-01-CMS	P4660-03MS	PL092948.D	11/11/2024	11/11/2024
WC-TA2-01-CMSD	P4660-03MSD	PL092949.D	11/11/2024	11/11/2024

COMMENTS: _____



QC SAMPLE DATA

Report of Analysis

Client:	ENTACT		Date Collected:		
Project:	540 Degraw St, Brooklyn, NY - E9309		Date Received:		
Client Sample ID:	PB164753BL		SDG No.:	P4660	
Lab Sample ID:	PB164753BL		Matrix:	TCLP	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	TCLP Pesticide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092894.D	1	11/06/24 10:35	11/07/24 12:44	PB164753

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.0049	U	0.0049	0.050	ug/L
76-44-8	Heptachlor	0.0054	U	0.0054	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0090	U	0.0090	0.050	ug/L
72-20-8	Endrin	0.0043	U	0.0043	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
8001-35-2	Toxaphene	0.15	U	0.15	1.00	ug/L
57-74-9	Chlordane	0.082	U	0.082	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	22.2		30 (43) - 150 (140)	111%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.0		30 (77) - 150 (126)	105%	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

Report of Analysis

Client:	ENTACT		Date Collected:	10/28/24	
Project:	540 Degraw St, Brooklyn, NY - E9309		Date Received:	10/28/24	
Client Sample ID:	PIBLK-PL092652.D		SDG No.:	P4660	
Lab Sample ID:	I.BLK-PL092652.D		Matrix:	TCLP	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	TCLP Pesticide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092652.D	1		10/28/24	PL102824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.0049	U	0.0049	0.050	ug/L
76-44-8	Heptachlor	0.0054	U	0.0054	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0090	U	0.0090	0.050	ug/L
72-20-8	Endrin	0.0043	U	0.0043	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
8001-35-2	Toxaphene	0.15	U	0.15	1.00	ug/L
57-74-9	Chlordane	0.082	U	0.082	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	22.7		30 (43) - 150 (140)	114%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.6		30 (77) - 150 (126)	108%	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

Report of Analysis

Client:	ENTACT		Date Collected:	11/07/24	
Project:	540 Degraw St, Brooklyn, NY - E9309		Date Received:	11/07/24	
Client Sample ID:	PIBLK-PL092886.D		SDG No.:	P4660	
Lab Sample ID:	I.BLK-PL092886.D		Matrix:	TCLP	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	TCLP Pesticide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092886.D	1		11/07/24	PL110724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.0049	U	0.0049	0.050	ug/L
76-44-8	Heptachlor	0.0054	U	0.0054	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0090	U	0.0090	0.050	ug/L
72-20-8	Endrin	0.0043	U	0.0043	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
8001-35-2	Toxaphene	0.15	U	0.15	1.00	ug/L
57-74-9	Chlordane	0.082	U	0.082	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	20.5		30 (43) - 150 (140)	103%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.4		30 (77) - 150 (126)	102%	SPK: 20

Comments:

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MDL = Method Detection Limit

LOD = Limit of Detection

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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

Report of Analysis

Client:	ENTACT		Date Collected:	11/07/24	
Project:	540 Degraw St, Brooklyn, NY - E9309		Date Received:	11/07/24	
Client Sample ID:	PIBLK-PL092903.D		SDG No.:	P4660	
Lab Sample ID:	I.BLK-PL092903.D		Matrix:	TCLP	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	TCLP Pesticide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092903.D	1		11/07/24	PL110724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.0049	U	0.0049	0.050	ug/L
76-44-8	Heptachlor	0.0054	U	0.0054	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0090	U	0.0090	0.050	ug/L
72-20-8	Endrin	0.0043	U	0.0043	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
8001-35-2	Toxaphene	0.15	U	0.15	1.00	ug/L
57-74-9	Chlordane	0.082	U	0.082	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	18.5		30 (43) - 150 (140)	92%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.5		30 (77) - 150 (126)	103%	SPK: 20

Comments:

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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

Report of Analysis

Client:	ENTACT		Date Collected:	11/08/24	
Project:	540 Degraw St, Brooklyn, NY - E9309		Date Received:	11/08/24	
Client Sample ID:	PIBLK-PL092918.D		SDG No.:	P4660	
Lab Sample ID:	I.BLK-PL092918.D		Matrix:	TCLP	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	TCLP Pesticide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092918.D	1		11/08/24	PL110824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.0049	U	0.0049	0.050	ug/L
76-44-8	Heptachlor	0.0054	U	0.0054	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0090	U	0.0090	0.050	ug/L
72-20-8	Endrin	0.0043	U	0.0043	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
8001-35-2	Toxaphene	0.15	U	0.15	1.00	ug/L
57-74-9	Chlordane	0.082	U	0.082	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	21.8		30 (43) - 150 (140)	109%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.6		30 (77) - 150 (126)	108%	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

Report of Analysis

Client:	ENTACT		Date Collected:	11/08/24	
Project:	540 Degraw St, Brooklyn, NY - E9309		Date Received:	11/08/24	
Client Sample ID:	PIBLK-PL092938.D		SDG No.:	P4660	
Lab Sample ID:	I.BLK-PL092938.D		Matrix:	TCLP	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	TCLP Pesticide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092938.D	1		11/08/24	PL110824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.0049	U	0.0049	0.050	ug/L
76-44-8	Heptachlor	0.0054	U	0.0054	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0090	U	0.0090	0.050	ug/L
72-20-8	Endrin	0.0043	U	0.0043	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
8001-35-2	Toxaphene	0.15	U	0.15	1.00	ug/L
57-74-9	Chlordane	0.082	U	0.082	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	20.4		30 (43) - 150 (140)	102%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.2		30 (77) - 150 (126)	111%	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

Report of Analysis

Client:	ENTACT		Date Collected:	11/11/24	
Project:	540 Degraw St, Brooklyn, NY - E9309		Date Received:	11/11/24	
Client Sample ID:	PIBLK-PL092941.D		SDG No.:	P4660	
Lab Sample ID:	I.BLK-PL092941.D		Matrix:	TCLP	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	TCLP Pesticide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092941.D	1		11/11/24	PL111124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.0049	U	0.0049	0.050	ug/L
76-44-8	Heptachlor	0.0054	U	0.0054	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0090	U	0.0090	0.050	ug/L
72-20-8	Endrin	0.0043	U	0.0043	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
8001-35-2	Toxaphene	0.15	U	0.15	1.00	ug/L
57-74-9	Chlordane	0.082	U	0.082	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	20.8		30 (43) - 150 (140)	104%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.3		30 (77) - 150 (126)	112%	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

Report of Analysis

Client:	ENTACT		Date Collected:	11/11/24	
Project:	540 Degraw St, Brooklyn, NY - E9309		Date Received:	11/11/24	
Client Sample ID:	PIBLK-PL092959.D		SDG No.:	P4660	
Lab Sample ID:	I.BLK-PL092959.D		Matrix:	TCLP	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	TCLP Pesticide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092959.D	1		11/11/24	PL111124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.0049	U	0.0049	0.050	ug/L
76-44-8	Heptachlor	0.0054	U	0.0054	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0090	U	0.0090	0.050	ug/L
72-20-8	Endrin	0.0043	U	0.0043	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
8001-35-2	Toxaphene	0.15	U	0.15	1.00	ug/L
57-74-9	Chlordane	0.082	U	0.082	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	22.2		30 (43) - 150 (140)	111%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.1		30 (77) - 150 (126)	110%	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

Report of Analysis

Client:	ENTACT		Date Collected:		
Project:	540 Degraw St, Brooklyn, NY - E9309		Date Received:		
Client Sample ID:	PB164753BS		SDG No.:	P4660	
Lab Sample ID:	PB164753BS		Matrix:	TCLP	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	TCLP Pesticide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092921.D	1	11/06/24 10:35	11/08/24 12:56	PB164753

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.51		0.0049	0.050	ug/L
76-44-8	Heptachlor	0.53		0.0054	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.53		0.0090	0.050	ug/L
72-20-8	Endrin	0.54		0.0043	0.050	ug/L
72-43-5	Methoxychlor	0.53		0.011	0.050	ug/L
8001-35-2	Toxaphene	0.15	U	0.15	1.00	ug/L
57-74-9	Chlordane	0.082	U	0.082	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	20.2		30 (43) - 150 (140)	101%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.8		30 (77) - 150 (126)	94%	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

Report of Analysis

Client:	ENTACT		Date Collected:	10/30/24	
Project:	540 Degraw St, Brooklyn, NY - E9309		Date Received:	10/31/24	
Client Sample ID:	WC-TA2-01-CMS		SDG No.:	P4660	
Lab Sample ID:	P4660-03MS		Matrix:	TCLP	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	100	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	TCLP Pesticide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092948.D	1	11/06/24 10:35	11/11/24 13:08	PB164753

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	4.70		0.049	0.50	ug/L
76-44-8	Heptachlor	5.20		0.054	0.50	ug/L
1024-57-3	Heptachlor epoxide	5.30		0.090	0.50	ug/L
72-20-8	Endrin	5.60		0.043	0.50	ug/L
72-43-5	Methoxychlor	5.00		0.11	0.50	ug/L
8001-35-2	Toxaphene	1.50	U	1.50	10.0	ug/L
57-74-9	Chlordane	0.82	U	0.82	5.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	18.7		30 (43) - 150 (140)	94%	SPK: 20
877-09-8	Tetrachloro-m-xylene	23.6		30 (77) - 150 (126)	118%	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

Report of Analysis

Client:	ENTACT		Date Collected:	10/30/24	
Project:	540 Degraw St, Brooklyn, NY - E9309		Date Received:	10/31/24	
Client Sample ID:	WC-TA2-01-CMSD		SDG No.:	P4660	
Lab Sample ID:	P4660-03MSD		Matrix:	TCLP	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	100	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	TCLP Pesticide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092949.D	1	11/06/24 10:35	11/11/24 13:26	PB164753

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	4.60		0.049	0.50	ug/L
76-44-8	Heptachlor	5.10		0.054	0.50	ug/L
1024-57-3	Heptachlor epoxide	5.20		0.090	0.50	ug/L
72-20-8	Endrin	5.60		0.043	0.50	ug/L
72-43-5	Methoxychlor	5.00		0.11	0.50	ug/L
8001-35-2	Toxaphene	1.50	U	1.50	10.0	ug/L
57-74-9	Chlordane	0.82	U	0.82	5.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	18.5		30 (43) - 150 (140)	93%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.9		30 (77) - 150 (126)	114%	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



CALIBRATION SUMMARY

RETENTION TIMES OF INITIAL CALIBRATION

Contract: ENTA05

Lab Code: CHEM Case No.: P4660 SAS No.: P4660 SDG NO.: P4660

Instrument ID: ECD_L Calibration Date(s): 10/28/2024 10/28/2024

Calibration Times: 14:43 15:36

GC Column: ZB-MR2 ID: 0.32 (mm)

LAB FILE ID:	RT 100 = <u>PL092655.D</u>	RT 075 = <u>PL092656.D</u>
RT 050 = <u>PL092657.D</u>	RT 025 = <u>PL092658.D</u>	RT 005 = <u>PL092659.D</u>

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW	
							FROM	TO
Decachlorobiphenyl	9.05	9.05	9.05	9.05	9.05	9.05	8.95	9.15
Endrin	6.58	6.58	6.57	6.57	6.57	6.57	6.47	6.67
gamma-BHC (Lindane)	4.33	4.33	4.33	4.33	4.33	4.33	4.23	4.43
Heptachlor	4.92	4.92	4.92	4.92	4.92	4.92	4.82	5.02
Heptachlor epoxide	5.69	5.69	5.68	5.69	5.68	5.68	5.58	5.78
Methoxychlor	7.50	7.50	7.50	7.50	7.50	7.50	7.40	7.60
Tetrachloro-m-xylene	3.54	3.54	3.54	3.54	3.54	3.54	3.44	3.64

RETENTION TIMES OF INITIAL CALIBRATION

Contract: ENTA05

Lab Code: CHEM Case No.: P4660 SAS No.: P4660 SDG NO.: P4660

Instrument ID: ECD_L Calibration Date(s): 10/28/2024 10/28/2024

Calibration Times: 14:43 15:36

GC Column: ZB-MR1 ID: 0.32 (mm)

LAB FILE ID:	RT 100 = <u>PL092655.D</u>	RT 075 = <u>PL092656.D</u>
RT 050 = <u>PL092657.D</u>	RT 025 = <u>PL092658.D</u>	RT 005 = <u>PL092659.D</u>

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW	
							FROM	TO
Decachlorobiphenyl	7.92	7.92	7.92	7.92	7.92	7.92	7.82	8.02
Endrin	5.64	5.64	5.64	5.64	5.64	5.64	5.54	5.74
gamma-BHC (Lindane)	3.61	3.61	3.61	3.61	3.61	3.61	3.51	3.71
Heptachlor	3.95	3.95	3.95	3.95	3.95	3.95	3.85	4.05
Heptachlor epoxide	4.73	4.73	4.73	4.73	4.73	4.73	4.63	4.83
Methoxychlor	6.61	6.62	6.62	6.62	6.61	6.61	6.51	6.71
Tetrachloro-m-xylene	2.78	2.78	2.78	2.78	2.78	2.78	2.68	2.88

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: ENTA05

Lab Code: CHEM **Case No.:** P4660 **SAS No.:** P4660 **SDG NO.:** P4660

Instrument ID: ECD_L **Calibration Date(s):** 10/28/2024 10/28/2024
Calibration Times: 14:43 15:36

GC Column: ZB-MR2 **ID:** 0.32 (mm)

LAB FILE ID:		CF 100 =	<u>PL092655.D</u>	CF 075 =	<u>PL092656.D</u>		
CF 050 =	<u>PL092657.D</u>	CF 025 =	<u>PL092658.D</u>	CF 005 =	<u>PL092659.D</u>		
COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
Decachlorobiphenyl	1738840000	1756630000	1819720000	1998760000	2308800000	1924550000	12
Endrin	2111540000	2103000000	2121260000	2324460000	2723040000	2276660000	12
gamma-BHC (Lindane)	3198960000	3133030000	3104430000	3278360000	3583040000	3259560000	6
Heptachlor	2817300000	2795570000	2829220000	3064000000	3509480000	3003110000	10
Heptachlor epoxide	2536240000	2521530000	2566410000	2821600000	3361270000	2761410000	13
Methoxychlor	1040530000	1050870000	1078280000	1189160000	1341160000	1140000000	11
Tetrachloro-m-xylene	2319350000	2304070000	2328420000	2512350000	2786990000	2450240000	8

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: ENTA05

Lab Code: CHEM **Case No.:** P4660 **SAS No.:** P4660 **SDG NO.:** P4660

Instrument ID: ECD_L **Calibration Date(s):** 10/28/2024 10/28/2024
Calibration Times: 14:43 15:36

GC Column: ZB-MR1 **ID:** 0.32 (mm)

LAB FILE ID:		CF 100 = <u>PL092655.D</u>		CF 075 = <u>PL092656.D</u>			
CF 050 = <u>PL092657.D</u>		CF 025 = <u>PL092658.D</u>		CF 005 = <u>PL092659.D</u>			
COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
Decachlorobiphenyl	2606810000	2575500000	2605540000	2793460000	3064890000	2729240000	8
Endrin	2969490000	2878380000	2828080000	2876210000	2912860000	2893010000	2
gamma-BHC (Lindane)	4083950000	3934430000	3833920000	3828430000	3616530000	3859450000	4
Heptachlor	3876200000	3766580000	3709120000	3779090000	3738650000	3773930000	2
Heptachlor epoxide	3405420000	3318630000	3272090000	3352830000	3358060000	3341410000	1
Methoxychlor	1400820000	1385450000	1393920000	1470360000	1489590000	1428030000	3
Tetrachloro-m-xylene	2724750000	2661560000	2643180000	2728430000	2847900000	2721160000	3

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: ENTA05

Lab Code: CHEM Case No.: P4660 SAS No.: P4660 SDG NO.: P4660

Instrument ID: ECD_L Date(s) Analyzed: 10/28/2024 10/28/2024

GC Column: ZB-MR2 ID: 0.32 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Chlordane	500	1	4.70	4.60	4.80	106996000
		2	5.23	5.13	5.33	110397000
		3	5.94	5.84	6.04	372388000
		4	6.02	5.92	6.12	458405000
		5	6.87	6.77	6.97	92161100
Toxaphene	500	1	6.24	6.14	6.34	23962400
		2	6.44	6.34	6.54	13823600
		3	7.06	6.96	7.16	79159800
		4	7.15	7.05	7.25	59803700
		5	7.93	7.83	8.03	45329200

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: ENTA05

Lab Code: CHEM Case No.: P4660 SAS No.: P4660 SDG NO.: P4660

Instrument ID: ECD_L Date(s) Analyzed: 10/28/2024 10/28/2024

GC Column: ZB-MR1 ID: 0.32 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Chlordane	500	1	3.78	3.68	3.88	105092000
		2	4.35	4.25	4.45	120641000
		3	4.98	4.88	5.08	361048000
		4	5.05	4.95	5.15	346821000
		5	5.94	5.84	6.04	124060000
Toxaphene	500	1	5.01	4.91	5.11	19952700
		2	5.33	5.23	5.43	19749600
		3	6.61	6.51	6.71	70222500
		4	6.73	6.63	6.83	98337700
		5	7.05	6.95	7.15	65479700

CALIBRATION VERIFICATION SUMMARY

Contract: ENTA05

Lab Code: CHEM Case No.: P4660 SAS No.: P4660 SDG NO.: P4660

Continuing Calib Date: 11/07/2024 Initial Calibration Date(s): 10/28/2024 10/28/2024

Continuing Calib Time: 11:21 Initial Calibration Time(s): 14:43 15:36

GC Column: ZB-MR2 ID: 0.32 (mm)

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.06	9.05	8.95	9.15	-0.01
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	0.00
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.92	4.92	4.82	5.02	0.00
Heptachlor epoxide	5.69	5.68	5.58	5.78	-0.01
Endrin	6.58	6.57	6.47	6.67	-0.01
Methoxychlor	7.50	7.50	7.40	7.60	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: ENTA05

Lab Code: CHEM Case No.: P4660 SAS No.: P4660 SDG NO.: P4660

Continuing Calib Date: 11/07/2024 Initial Calibration Date(s): 10/28/2024 10/28/2024

Continuing Calib Time: 11:21 Initial Calibration Time(s): 14:43 15:36

GC Column: ZB-MR1 ID: 0.32 (mm)

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	7.92	7.92	7.82	8.02	0.00
Tetrachloro-m-xylene	2.78	2.78	2.68	2.88	0.00
gamma-BHC (Lindane)	3.61	3.61	3.51	3.71	0.00
Heptachlor	3.95	3.95	3.85	4.05	0.00
Heptachlor epoxide	4.73	4.73	4.63	4.83	0.00
Endrin	5.64	5.64	5.54	5.74	0.00
Methoxychlor	6.62	6.62	6.52	6.72	0.01

CALIBRATION VERIFICATION SUMMARY

Contract: ENTA05

Lab Code: CHEM Case No.: P4660 SAS No.: P4660 SDG NO.: P4660

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 10/28/2024 10/28/2024

Client Sample No.: CCAL01 Date Analyzed: 11/07/2024

Lab Sample No.: PSTDCCC050 Data File : PL092888.D Time Analyzed: 11:21

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.059	8.954	9.154	46.020	50.000	-8.0
Endrin	6.577	6.474	6.674	45.550	50.000	-8.9
gamma-BHC (Lindane)	4.330	4.228	4.428	48.790	50.000	-2.4
Heptachlor	4.919	4.817	5.017	47.760	50.000	-4.5
Heptachlor epoxide	5.686	5.584	5.784	47.690	50.000	-4.6
Methoxychlor	7.502	7.399	7.599	47.810	50.000	-4.4
Tetrachloro-m-xylene	3.542	3.440	3.640	48.470	50.000	-3.1

CALIBRATION VERIFICATION SUMMARY

Contract: ENTA05

Lab Code: CHEM Case No.: P4660 SAS No.: P4660 SDG NO.: P4660

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 10/28/2024 10/28/2024

Client Sample No.: CCAL01 Date Analyzed: 11/07/2024

Lab Sample No.: PSTDCCC050 Data File : PL092888.D Time Analyzed: 11:21

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	7.917	7.816	8.016	46.840	50.000	-6.3
Endrin	5.642	5.541	5.741	51.530	50.000	3.1
gamma-BHC (Lindane)	3.611	3.511	3.711	50.380	50.000	0.8
Heptachlor	3.950	3.849	4.049	50.240	50.000	0.5
Heptachlor epoxide	4.732	4.632	4.832	50.240	50.000	0.5
Methoxychlor	6.615	6.515	6.715	49.970	50.000	-0.1
Tetrachloro-m-xylene	2.778	2.678	2.878	49.610	50.000	-0.8

CALIBRATION VERIFICATION SUMMARY

Contract: ENTA05

Lab Code: CHEM Case No.: P4660 SAS No.: P4660 SDG NO.: P4660

Continuing Calib Date: 11/07/2024 Initial Calibration Date(s): 10/28/2024 10/28/2024

Continuing Calib Time: 15:29 Initial Calibration Time(s): 14:43 15:36

GC Column: ZB-MR2 ID: 0.32 (mm)

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.06	9.05	8.95	9.15	-0.01
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	0.00
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.92	4.92	4.82	5.02	0.00
Heptachlor epoxide	5.69	5.68	5.58	5.78	-0.01
Endrin	6.58	6.57	6.47	6.67	-0.01
Methoxychlor	7.50	7.50	7.40	7.60	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: ENTA05

Lab Code: CHEM Case No.: P4660 SAS No.: P4660 SDG NO.: P4660

Continuing Calib Date: 11/07/2024 Initial Calibration Date(s): 10/28/2024 10/28/2024

Continuing Calib Time: 15:29 Initial Calibration Time(s): 14:43 15:36

GC Column: ZB-MR1 ID: 0.32 (mm)

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	7.92	7.92	7.82	8.02	0.00
Tetrachloro-m-xylene	2.78	2.78	2.68	2.88	0.00
gamma-BHC (Lindane)	3.61	3.61	3.51	3.71	0.00
Heptachlor	3.95	3.95	3.85	4.05	0.00
Heptachlor epoxide	4.73	4.73	4.63	4.83	0.00
Endrin	5.64	5.64	5.54	5.74	0.00
Methoxychlor	6.62	6.62	6.52	6.72	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: ENTA05

Lab Code: CHEM Case No.: P4660 SAS No.: P4660 SDG NO.: P4660

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 10/28/2024 10/28/2024

Client Sample No.: CCAL02 Date Analyzed: 11/07/2024

Lab Sample No.: PSTDCCC050 Data File : PL092904.D Time Analyzed: 15:29

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.059	8.954	9.154	45.750	50.000	-8.5
Endrin	6.577	6.474	6.674	42.920	50.000	-14.2
gamma-BHC (Lindane)	4.330	4.228	4.428	48.200	50.000	-3.6
Heptachlor	4.919	4.817	5.017	46.410	50.000	-7.2
Heptachlor epoxide	5.687	5.584	5.784	45.780	50.000	-8.4
Methoxychlor	7.503	7.399	7.599	43.270	50.000	-13.5
Tetrachloro-m-xylene	3.542	3.440	3.640	47.550	50.000	-4.9

CALIBRATION VERIFICATION SUMMARY

Contract: ENTA05

Lab Code: CHEM Case No.: P4660 SAS No.: P4660 SDG NO.: P4660

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 10/28/2024 10/28/2024

Client Sample No.: CCAL02 Date Analyzed: 11/07/2024

Lab Sample No.: PSTDCCC050 Data File : PL092904.D Time Analyzed: 15:29

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	7.917	7.816	8.016	40.370	50.000	-19.3
Endrin	5.642	5.541	5.741	46.330	50.000	-7.3
gamma-BHC (Lindane)	3.611	3.511	3.711	49.880	50.000	-0.2
Heptachlor	3.950	3.849	4.049	49.860	50.000	-0.3
Heptachlor epoxide	4.732	4.632	4.832	47.410	50.000	-5.2
Methoxychlor	6.616	6.515	6.715	44.210	50.000	-11.6
Tetrachloro-m-xylene	2.778	2.678	2.878	50.400	50.000	0.8

CALIBRATION VERIFICATION SUMMARY

Contract: ENTA05

Lab Code: CHEM Case No.: P4660 SAS No.: P4660 SDG NO.: P4660

Continuing Calib Date: 11/08/2024 Initial Calibration Date(s): 10/28/2024 10/28/2024

Continuing Calib Time: 12:14 Initial Calibration Time(s): 14:43 15:36

GC Column: ZB-MR2 ID: 0.32 (mm)

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
Decachlorobiphenyl	9.07	9.05	8.95	9.15	-0.02
Tetrachloro-m-xylene	3.55	3.54	3.44	3.64	-0.01
gamma-BHC (Lindane)	4.34	4.33	4.23	4.43	-0.01
Heptachlor	4.92	4.92	4.82	5.02	0.00
Heptachlor epoxide	5.69	5.68	5.58	5.78	-0.01
Endrin	6.58	6.57	6.47	6.67	-0.01
Methoxychlor	7.51	7.50	7.40	7.60	-0.01

CALIBRATION VERIFICATION SUMMARY

Contract: ENTA05

Lab Code: CHEM Case No.: P4660 SAS No.: P4660 SDG NO.: P4660

Continuing Calib Date: 11/08/2024 Initial Calibration Date(s): 10/28/2024 10/28/2024

Continuing Calib Time: 12:14 Initial Calibration Time(s): 14:43 15:36

GC Column: ZB-MR1 ID: 0.32 (mm)

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	7.92	7.92	7.82	8.02	0.00
Tetrachloro-m-xylene	2.78	2.78	2.68	2.88	0.00
gamma-BHC (Lindane)	3.61	3.61	3.51	3.71	0.00
Heptachlor	3.95	3.95	3.85	4.05	0.00
Heptachlor epoxide	4.74	4.73	4.63	4.83	-0.01
Endrin	5.65	5.64	5.54	5.74	-0.01
Methoxychlor	6.62	6.62	6.52	6.72	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: ENTA05

Lab Code: CHEM Case No.: P4660 SAS No.: P4660 SDG NO.: P4660

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 10/28/2024 10/28/2024

Client Sample No.: CCAL03 Date Analyzed: 11/08/2024

Lab Sample No.: PSTDCCC050 Data File : PL092920.D Time Analyzed: 12:14

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.068	8.954	9.154	47.820	50.000	-4.4
Endrin	6.583	6.474	6.674	46.140	50.000	-7.7
gamma-BHC (Lindane)	4.337	4.228	4.428	50.230	50.000	0.5
Heptachlor	4.924	4.817	5.017	49.050	50.000	-1.9
Heptachlor epoxide	5.694	5.584	5.784	49.150	50.000	-1.7
Methoxychlor	7.510	7.399	7.599	46.690	50.000	-6.6
Tetrachloro-m-xylene	3.548	3.440	3.640	50.310	50.000	0.6

CALIBRATION VERIFICATION SUMMARY

Contract: ENTA05

Lab Code: CHEM Case No.: P4660 SAS No.: P4660 SDG NO.: P4660

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 10/28/2024 10/28/2024

Client Sample No.: CCAL03 Date Analyzed: 11/08/2024

Lab Sample No.: PSTDCCC050 Data File : PL092920.D Time Analyzed: 12:14

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	7.921	7.816	8.016	49.630	50.000	-0.7
Endrin	5.646	5.541	5.741	53.050	50.000	6.1
gamma-BHC (Lindane)	3.613	3.511	3.711	53.370	50.000	6.7
Heptachlor	3.952	3.849	4.049	52.180	50.000	4.4
Heptachlor epoxide	4.735	4.632	4.832	53.410	50.000	6.8
Methoxychlor	6.619	6.515	6.715	50.650	50.000	1.3
Tetrachloro-m-xylene	2.780	2.678	2.878	52.400	50.000	4.8

CALIBRATION VERIFICATION SUMMARY

Contract: ENTA05

Lab Code: CHEM Case No.: P4660 SAS No.: P4660 SDG NO.: P4660

Continuing Calib Date: 11/08/2024 Initial Calibration Date(s): 10/28/2024 10/28/2024

Continuing Calib Time: 17:49 Initial Calibration Time(s): 14:43 15:36

GC Column: ZB-MR2 ID: 0.32 (mm)

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.06	9.05	8.95	9.15	-0.01
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	0.00
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.92	4.92	4.82	5.02	0.00
Heptachlor epoxide	5.69	5.68	5.58	5.78	-0.01
Endrin	6.58	6.57	6.47	6.67	-0.01
Methoxychlor	7.50	7.50	7.40	7.60	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: ENTA05

Lab Code: CHEM Case No.: P4660 SAS No.: P4660 SDG NO.: P4660

Continuing Calib Date: 11/08/2024 Initial Calibration Date(s): 10/28/2024 10/28/2024

Continuing Calib Time: 17:49 Initial Calibration Time(s): 14:43 15:36

GC Column: ZB-MR1 ID: 0.32 (mm)

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	7.92	7.92	7.82	8.02	0.00
Tetrachloro-m-xylene	2.78	2.78	2.68	2.88	0.00
gamma-BHC (Lindane)	3.61	3.61	3.51	3.71	0.00
Heptachlor	3.95	3.95	3.85	4.05	0.00
Heptachlor epoxide	4.73	4.73	4.63	4.83	0.00
Endrin	5.64	5.64	5.54	5.74	0.00
Methoxychlor	6.62	6.62	6.52	6.72	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: ENTA05

Lab Code: CHEM Case No.: P4660 SAS No.: P4660 SDG NO.: P4660

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 10/28/2024 10/28/2024

Client Sample No.: CCAL04 Date Analyzed: 11/08/2024

Lab Sample No.: PSTDCCC050 Data File : PL092939.D Time Analyzed: 17:49

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	9.060	8.954	9.154	42.510	50.000	-15.0
Endrin	6.578	6.474	6.674	41.150	50.000	-17.7
gamma-BHC (Lindane)	4.330	4.228	4.428	49.260	50.000	-1.5
Heptachlor	4.919	4.817	5.017	45.670	50.000	-8.7
Heptachlor epoxide	5.687	5.584	5.784	45.730	50.000	-8.5
Methoxychlor	7.503	7.399	7.599	40.630	50.000	-18.7
Tetrachloro-m-xylene	3.542	3.440	3.640	49.900	50.000	-0.2

CALIBRATION VERIFICATION SUMMARY

Contract: ENTA05

Lab Code: CHEM Case No.: P4660 SAS No.: P4660 SDG NO.: P4660

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 10/28/2024 10/28/2024

Client Sample No.: CCAL04 Date Analyzed: 11/08/2024

Lab Sample No.: PSTDCCC050 Data File : PL092939.D Time Analyzed: 17:49

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	7.919	7.816	8.016	43.240	50.000	-13.5
Endrin	5.643	5.541	5.741	48.460	50.000	-3.1
gamma-BHC (Lindane)	3.612	3.511	3.711	53.000	50.000	6.0
Heptachlor	3.951	3.849	4.049	50.120	50.000	0.2
Heptachlor epoxide	4.733	4.632	4.832	52.110	50.000	4.2
Methoxychlor	6.617	6.515	6.715	43.800	50.000	-12.4
Tetrachloro-m-xylene	2.779	2.678	2.878	52.590	50.000	5.2

CALIBRATION VERIFICATION SUMMARY

Contract: ENTA05

Lab Code: CHEM Case No.: P4660 SAS No.: P4660 SDG NO.: P4660

Continuing Calib Date: 11/11/2024 Initial Calibration Date(s): 10/28/2024 10/28/2024

Continuing Calib Time: 11:58 Initial Calibration Time(s): 14:43 15:36

GC Column: ZB-MR2 ID: 0.32 (mm)

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
Decachlorobiphenyl	9.06	9.05	8.95	9.15	-0.01
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	0.00
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.92	4.92	4.82	5.02	0.00
Heptachlor epoxide	5.69	5.68	5.58	5.78	-0.01
Endrin	6.58	6.57	6.47	6.67	-0.01
Methoxychlor	7.50	7.50	7.40	7.60	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: ENTA05

Lab Code: CHEM Case No.: P4660 SAS No.: P4660 SDG NO.: P4660

Continuing Calib Date: 11/11/2024 Initial Calibration Date(s): 10/28/2024 10/28/2024

Continuing Calib Time: 11:58 Initial Calibration Time(s): 14:43 15:36

GC Column: ZB-MR1 ID: 0.32 (mm)

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	7.92	7.92	7.82	8.02	0.00
Tetrachloro-m-xylene	2.78	2.78	2.68	2.88	0.00
gamma-BHC (Lindane)	3.61	3.61	3.51	3.71	0.00
Heptachlor	3.95	3.95	3.85	4.05	0.00
Heptachlor epoxide	4.73	4.73	4.63	4.83	0.00
Endrin	5.64	5.64	5.54	5.74	0.00
Methoxychlor	6.62	6.62	6.52	6.72	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: ENTA05

Lab Code: CHEM Case No.: P4660 SAS No.: P4660 SDG NO.: P4660

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 10/28/2024 10/28/2024

Client Sample No.: CCAL05 Date Analyzed: 11/11/2024

Lab Sample No.: PSTDCCC050 Data File : PL092943.D Time Analyzed: 11:58

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	9.061	8.954	9.154	46.430	50.000	-7.1
Endrin	6.579	6.474	6.674	43.850	50.000	-12.3
gamma-BHC (Lindane)	4.331	4.228	4.428	49.900	50.000	-0.2
Heptachlor	4.920	4.817	5.017	47.730	50.000	-4.5
Heptachlor epoxide	5.688	5.584	5.784	48.400	50.000	-3.2
Methoxychlor	7.504	7.399	7.599	44.210	50.000	-11.6
Tetrachloro-m-xylene	3.542	3.440	3.640	49.960	50.000	-0.1

CALIBRATION VERIFICATION SUMMARY

Contract: ENTA05

Lab Code: CHEM Case No.: P4660 SAS No.: P4660 SDG NO.: P4660

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 10/28/2024 10/28/2024

Client Sample No.: CCAL05 Date Analyzed: 11/11/2024

Lab Sample No.: PSTDCCC050 Data File : PL092943.D Time Analyzed: 11:58

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	7.919	7.816	8.016	46.770	50.000	-6.5
Endrin	5.643	5.541	5.741	50.950	50.000	1.9
gamma-BHC (Lindane)	3.611	3.511	3.711	52.560	50.000	5.1
Heptachlor	3.951	3.849	4.049	50.950	50.000	1.9
Heptachlor epoxide	4.733	4.632	4.832	52.470	50.000	4.9
Methoxychlor	6.617	6.515	6.715	46.930	50.000	-6.1
Tetrachloro-m-xylene	2.778	2.678	2.878	51.750	50.000	3.5

CALIBRATION VERIFICATION SUMMARY

Contract: ENTA05

Lab Code: CHEM Case No.: P4660 SAS No.: P4660 SDG NO.: P4660

Continuing Calib Date: 11/11/2024 Initial Calibration Date(s): 10/28/2024 10/28/2024

Continuing Calib Time: 16:49 Initial Calibration Time(s): 14:43 15:36

GC Column: ZB-MR2 ID: 0.32 (mm)

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
Decachlorobiphenyl	9.06	9.05	8.95	9.15	-0.01
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	0.00
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.92	4.92	4.82	5.02	0.00
Heptachlor epoxide	5.69	5.68	5.58	5.78	-0.01
Endrin	6.58	6.57	6.47	6.67	-0.01
Methoxychlor	7.51	7.50	7.40	7.60	-0.01

CALIBRATION VERIFICATION SUMMARY

Contract: ENTA05

Lab Code: CHEM Case No.: P4660 SAS No.: P4660 SDG NO.: P4660

Continuing Calib Date: 11/11/2024 Initial Calibration Date(s): 10/28/2024 10/28/2024

Continuing Calib Time: 16:49 Initial Calibration Time(s): 14:43 15:36

GC Column: ZB-MR1 ID: 0.32 (mm)

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	7.92	7.92	7.82	8.02	0.00
Tetrachloro-m-xylene	2.78	2.78	2.68	2.88	0.00
gamma-BHC (Lindane)	3.61	3.61	3.51	3.71	0.00
Heptachlor	3.95	3.95	3.85	4.05	0.00
Heptachlor epoxide	4.73	4.73	4.63	4.83	0.00
Endrin	5.64	5.64	5.54	5.74	0.00
Methoxychlor	6.62	6.62	6.52	6.72	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: ENTA05

Lab Code: CHEM Case No.: P4660 SAS No.: P4660 SDG NO.: P4660

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 10/28/2024 10/28/2024

Client Sample No.: CCAL06 Date Analyzed: 11/11/2024

Lab Sample No.: PSTDCCC050 Data File : PL092960.D Time Analyzed: 16:49

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	9.064	8.954	9.154	45.750	50.000	-8.5
Endrin	6.580	6.474	6.674	43.680	50.000	-12.6
gamma-BHC (Lindane)	4.332	4.228	4.428	49.740	50.000	-0.5
Heptachlor	4.921	4.817	5.017	46.230	50.000	-7.5
Heptachlor epoxide	5.689	5.584	5.784	48.040	50.000	-3.9
Methoxychlor	7.506	7.399	7.599	41.600	50.000	-16.8
Tetrachloro-m-xylene	3.543	3.440	3.640	50.620	50.000	1.2

CALIBRATION VERIFICATION SUMMARY

Contract: ENTA05

Lab Code: CHEM Case No.: P4660 SAS No.: P4660 SDG NO.: P4660

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 10/28/2024 10/28/2024

Client Sample No.: CCAL06 Date Analyzed: 11/11/2024

Lab Sample No.: PSTDCCC050 Data File : PL092960.D Time Analyzed: 16:49

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	7.920	7.816	8.016	47.520	50.000	-5.0
Endrin	5.643	5.541	5.741	51.290	50.000	2.6
gamma-BHC (Lindane)	3.611	3.511	3.711	52.740	50.000	5.5
Heptachlor	3.950	3.849	4.049	49.830	50.000	-0.3
Heptachlor epoxide	4.733	4.632	4.832	52.930	50.000	5.9
Methoxychlor	6.617	6.515	6.715	45.570	50.000	-8.9
Tetrachloro-m-xylene	2.779	2.678	2.878	51.800	50.000	3.6

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: ENTA05

Lab Code: CHEM Case No.: P4660 SAS No.: P4660 SDG NO.: P4660

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 10/28/2024 10/28/2024

Client Sample No. (PEM): PEM - PL092653.D Date Analyzed: 10/28/2024

Lab Sample No.(PEM): PEM Time Analyzed: 14:16

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	9.059	8.960	9.160	19.970	20.000	-0.2
Tetrachloro-m-xylene	3.546	3.500	3.600	19.290	20.000	-3.6
alpha-BHC	4.001	3.950	4.050	9.920	10.000	-0.8
beta-BHC	4.531	4.480	4.580	10.060	10.000	0.6
gamma-BHC (Lindane)	4.334	4.280	4.380	9.660	10.000	-3.4
Endrin	6.580	6.510	6.650	41.060	50.000	-17.9
4,4'-DDT	7.030	6.960	7.100	88.060	100.000	-11.9
Methoxychlor	7.505	7.430	7.580	204.090	250.000	-18.4

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 10/28/2024 10/28/2024

Client Sample No. (PEM): PEM - PL092653.D Date Analyzed: 10/28/2024

Lab Sample No.(PEM): PEM Time Analyzed: 14:16

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	7.918	7.820	8.020	19.080	20.000	-4.6
Tetrachloro-m-xylene	2.778	2.730	2.830	18.500	20.000	-7.5
alpha-BHC	3.281	3.230	3.330	8.630	10.000	-13.7
beta-BHC	3.911	3.860	3.960	9.760	10.000	-2.4
gamma-BHC (Lindane)	3.611	3.560	3.660	8.390	10.000	-16.1
Endrin	5.643	5.570	5.710	44.130	50.000	-11.7
4,4'-DDT	6.042	5.970	6.110	98.070	100.000	-1.9
Methoxychlor	6.616	6.550	6.690	225.800	250.000	-9.7

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: ENTA05

Lab Code: CHEM Case No.: P4660 SAS No.: P4660 SDG NO.: P4660

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 10/28/2024 10/28/2024

Client Sample No. (PEM): PEM - PL092887.D Date Analyzed: 11/07/2024

Lab Sample No.(PEM): PEM Time Analyzed: 11:08

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	9.057	8.960	9.160	21.710	20.000	8.6
Tetrachloro-m-xylene	3.542	3.490	3.590	22.260	20.000	11.3
alpha-BHC	3.997	3.950	4.050	11.600	10.000	16.0
beta-BHC	4.528	4.480	4.580	11.980	10.000	19.8
gamma-BHC (Lindane)	4.330	4.280	4.380	11.340	10.000	13.4
Endrin	6.577	6.510	6.650	45.790	50.000	-8.4
4,4'-DDT	7.027	6.960	7.100	97.140	100.000	-2.9
Methoxychlor	7.502	7.430	7.570	224.260	250.000	-10.3

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 10/28/2024 10/28/2024

Client Sample No. (PEM): PEM - PL092887.D Date Analyzed: 11/07/2024

Lab Sample No.(PEM): PEM Time Analyzed: 11:08

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	7.917	7.820	8.020	20.800	20.000	4.0
Tetrachloro-m-xylene	2.778	2.730	2.830	21.690	20.000	8.5
alpha-BHC	3.280	3.230	3.330	10.310	10.000	3.1
beta-BHC	3.910	3.860	3.960	11.590	10.000	15.9
gamma-BHC (Lindane)	3.610	3.560	3.660	10.020	10.000	0.2
Endrin	5.642	5.570	5.710	52.890	50.000	5.8
4,4'-DDT	6.040	5.970	6.110	114.780	100.000	14.8
Methoxychlor	6.616	6.550	6.690	254.450	250.000	1.8

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: ENTA05

Lab Code: CHEM Case No.: P4660 SAS No.: P4660 SDG NO.: P4660

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 10/28/2024 10/28/2024

Client Sample No. (PEM): PEM - PL092919.D Date Analyzed: 11/08/2024

Lab Sample No.(PEM): PEM Time Analyzed: 11:33

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	9.062	8.960	9.160	21.540	20.000	7.7
Tetrachloro-m-xylene	3.543	3.490	3.590	22.430	20.000	12.2
alpha-BHC	3.998	3.950	4.050	11.690	10.000	16.9
beta-BHC	4.529	4.480	4.580	12.050	10.000	20.5
gamma-BHC (Lindane)	4.331	4.280	4.380	11.490	10.000	14.9
Endrin	6.579	6.510	6.650	43.830	50.000	-12.3
4,4'-DDT	7.029	6.960	7.100	91.770	100.000	-8.2
Methoxychlor	7.505	7.430	7.580	211.060	250.000	-15.6

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 10/28/2024 10/28/2024

Client Sample No. (PEM): PEM - PL092919.D Date Analyzed: 11/08/2024

Lab Sample No.(PEM): PEM Time Analyzed: 11:33

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	7.918	7.820	8.020	21.070	20.000	5.4
Tetrachloro-m-xylene	2.778	2.730	2.830	22.390	20.000	12.0
alpha-BHC	3.281	3.230	3.330	10.750	10.000	7.5
beta-BHC	3.911	3.860	3.960	11.920	10.000	19.2
gamma-BHC (Lindane)	3.611	3.560	3.660	10.310	10.000	3.1
Endrin	5.642	5.570	5.710	52.740	50.000	5.5
4,4'-DDT	6.041	5.970	6.110	113.640	100.000	13.6
Methoxychlor	6.617	6.550	6.690	248.890	250.000	-0.4

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: ENTA05

Lab Code: CHEM Case No.: P4660 SAS No.: P4660 SDG NO.: P4660

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 10/28/2024 10/28/2024

Client Sample No. (PEM): PEM - PL092942.D Date Analyzed: 11/11/2024

Lab Sample No.(PEM): PEM Time Analyzed: 09:49

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	9.061	8.960	9.160	20.400	20.000	2.0
Tetrachloro-m-xylene	3.542	3.490	3.590	22.810	20.000	14.1
alpha-BHC	3.998	3.950	4.050	11.770	10.000	17.7
beta-BHC	4.529	4.480	4.580	12.130	10.000	21.3
gamma-BHC (Lindane)	4.331	4.280	4.380	11.570	10.000	15.7
Endrin	6.578	6.510	6.650	42.290	50.000	-15.4
4,4'-DDT	7.028	6.960	7.100	86.420	100.000	-13.6
Methoxychlor	7.504	7.430	7.570	198.890	250.000	-20.4

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 10/28/2024 10/28/2024

Client Sample No. (PEM): PEM - PL092942.D Date Analyzed: 11/11/2024

Lab Sample No.(PEM): PEM Time Analyzed: 09:49

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	7.918	7.820	8.020	19.450	20.000	-2.8
Tetrachloro-m-xylene	2.778	2.730	2.830	22.330	20.000	11.7
alpha-BHC	3.280	3.230	3.330	10.690	10.000	6.9
beta-BHC	3.911	3.860	3.960	11.740	10.000	17.4
gamma-BHC (Lindane)	3.611	3.560	3.660	10.280	10.000	2.8
Endrin	5.643	5.570	5.710	50.510	50.000	1.0
4,4'-DDT	6.041	5.970	6.110	105.500	100.000	5.5
Methoxychlor	6.616	6.550	6.690	225.180	250.000	-9.9

Analytical Sequence

Client: ENTACT

SDG No.: P4660

Project: 540 Degraw St, Brooklyn, NY - E9309

Instrument ID: ECD_L

GC Column: ZB-MR2

ID: 0.32 (mm)

Inst. Calib. Date(s): 10/28/2024

10/28/2024

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES,
AND STANDARDS IS GIVEN BELOW:

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
LBLK	LBLK	10/28/2024	13:55	PL092652.D	9.05	3.54
PEM	PEM	10/28/2024	14:16	PL092653.D	9.06	3.55
RESCHK	RESCHK	10/28/2024	14:29	PL092654.D	9.05	3.54
PSTDICC100	PSTDICC100	10/28/2024	14:43	PL092655.D	9.05	3.54
PSTDICC075	PSTDICC075	10/28/2024	14:56	PL092656.D	9.05	3.54
PSTDICC050	PSTDICC050	10/28/2024	15:09	PL092657.D	9.05	3.54
PSTDICC025	PSTDICC025	10/28/2024	15:23	PL092658.D	9.05	3.54
PSTDICC005	PSTDICC005	10/28/2024	15:36	PL092659.D	9.05	3.54
PCHLORICC500	PCHLORICC500	10/28/2024	16:16	PL092662.D	9.06	3.54
PTOXICC500	PTOXICC500	10/28/2024	17:23	PL092667.D	9.05	3.54
LBLK	LBLK	11/07/2024	09:34	PL092886.D	9.06	3.54
PEM	PEM	11/07/2024	11:08	PL092887.D	9.06	3.54
PSTDCCC050	PSTDCCC050	11/07/2024	11:21	PL092888.D	9.06	3.54
WC-TA2-01-C	P4660-03	11/07/2024	11:35	PL092889.D	9.06	3.54
WC-WOOD-01-C	P4660-07	11/07/2024	11:49	PL092890.D	9.06	3.54
WC-CONCRETE-01-C	P4660-11	11/07/2024	12:03	PL092891.D	9.06	3.54
PB164753BL	PB164753BL	11/07/2024	12:44	PL092894.D	9.06	3.54
PB164560TB	PB164560TB	11/07/2024	13:38	PL092896.D	9.07	3.55
LBLK	LBLK	11/07/2024	15:15	PL092903.D	9.06	3.54
PSTDCCC050	PSTDCCC050	11/07/2024	15:29	PL092904.D	9.06	3.54
LBLK	LBLK	11/08/2024	11:19	PL092918.D	9.07	3.55
PEM	PEM	11/08/2024	11:33	PL092919.D	9.06	3.54
PSTDCCC050	PSTDCCC050	11/08/2024	12:14	PL092920.D	9.07	3.55
PB164753BS	PB164753BS	11/08/2024	12:56	PL092921.D	9.07	3.55
LBLK	LBLK	11/08/2024	17:36	PL092938.D	9.06	3.54
PSTDCCC050	PSTDCCC050	11/08/2024	17:49	PL092939.D	9.06	3.54
LBLK	LBLK	11/11/2024	09:35	PL092941.D	9.06	3.54
PEM	PEM	11/11/2024	09:49	PL092942.D	9.06	3.54
PSTDCCC050	PSTDCCC050	11/11/2024	11:58	PL092943.D	9.06	3.54
WC-TA2-01-CMS	P4660-03MS	11/11/2024	13:08	PL092948.D	9.06	3.54
WC-TA2-01-CMSD	P4660-03MSD	11/11/2024	13:26	PL092949.D	9.07	3.54
LBLK	LBLK	11/11/2024	16:35	PL092959.D	9.07	3.55
PSTDCCC050	PSTDCCC050	11/11/2024	16:49	PL092960.D	9.06	3.54

Analytical Sequence

Client: ENTACT	SDG No.: P4660
Project: 540 Degraw St, Brooklyn, NY - E9309	Instrument ID: ECD_L
GC Column: ZB-MR1	ID: 0.32 (mm) Inst. Calib. Date(s): 10/28/2024 10/28/2024

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES,
AND STANDARDS IS GIVEN BELOW:

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
IBLK	IBLK	10/28/2024	13:55	PL092652.D	7.92	2.78
PEM	PEM	10/28/2024	14:16	PL092653.D	7.92	2.78
RESCHK	RESCHK	10/28/2024	14:29	PL092654.D	7.92	2.78
PSTDICC100	PSTDICC100	10/28/2024	14:43	PL092655.D	7.92	2.78
PSTDICC075	PSTDICC075	10/28/2024	14:56	PL092656.D	7.92	2.78
PSTDICC050	PSTDICC050	10/28/2024	15:09	PL092657.D	7.92	2.78
PSTDICC025	PSTDICC025	10/28/2024	15:23	PL092658.D	7.92	2.78
PSTDICC005	PSTDICC005	10/28/2024	15:36	PL092659.D	7.92	2.78
PCHLORICC500	PCHLORICC500	10/28/2024	16:16	PL092662.D	7.92	2.78
PTOXICC500	PTOXICC500	10/28/2024	17:23	PL092667.D	7.92	2.78
IBLK	IBLK	11/07/2024	09:34	PL092886.D	7.92	2.78
PEM	PEM	11/07/2024	11:08	PL092887.D	7.92	2.78
PSTDCCC050	PSTDCCC050	11/07/2024	11:21	PL092888.D	7.92	2.78
WC-TA2-01-C	P4660-03	11/07/2024	11:35	PL092889.D	7.92	2.78
WC-WOOD-01-C	P4660-07	11/07/2024	11:49	PL092890.D	7.92	2.78
WC-CONCRETE-01-C	P4660-11	11/07/2024	12:03	PL092891.D	7.92	2.78
PB164753BL	PB164753BL	11/07/2024	12:44	PL092894.D	7.92	2.78
PB164560TB	PB164560TB	11/07/2024	13:38	PL092896.D	7.92	2.78
IBLK	IBLK	11/07/2024	15:15	PL092903.D	7.92	2.78
PSTDCCC050	PSTDCCC050	11/07/2024	15:29	PL092904.D	7.92	2.78
IBLK	IBLK	11/08/2024	11:19	PL092918.D	7.92	2.78
PEM	PEM	11/08/2024	11:33	PL092919.D	7.92	2.78
PSTDCCC050	PSTDCCC050	11/08/2024	12:14	PL092920.D	7.92	2.78
PB164753BS	PB164753BS	11/08/2024	12:56	PL092921.D	7.92	2.78
IBLK	IBLK	11/08/2024	17:36	PL092938.D	7.92	2.78
PSTDCCC050	PSTDCCC050	11/08/2024	17:49	PL092939.D	7.92	2.78
IBLK	IBLK	11/11/2024	09:35	PL092941.D	7.92	2.78
PEM	PEM	11/11/2024	09:49	PL092942.D	7.92	2.78
PSTDCCC050	PSTDCCC050	11/11/2024	11:58	PL092943.D	7.92	2.78
WC-TA2-01-CMS	P4660-03MS	11/11/2024	13:08	PL092948.D	7.92	2.78
WC-TA2-01-CMSD	P4660-03MSD	11/11/2024	13:26	PL092949.D	7.92	2.78
IBLK	IBLK	11/11/2024	16:35	PL092959.D	7.92	2.78
PSTDCCC050	PSTDCCC050	11/11/2024	16:49	PL092960.D	7.92	2.78

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB164753BS

Contract: ENTA05

Lab Code: CHEM

Case No.: P4660

SAS No.: P4660

SDG NO.: P4660

Lab Sample ID: PB164753BS

Date(s) Analyzed: 11/08/2024

11/08/2024

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

GC Column: (1): ZB-MR2

ID: 0.32 (mm)

GC Column:(2): ZB-MR1

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Heptachlor epoxide	1	5.70	5.65	5.75	0.49	8.9
	2	4.73	4.68	4.78	0.53	
Endrin	1	6.58	6.53	6.63	0.46	15.6
	2	5.65	5.60	5.70	0.54	
Methoxychlor	1	7.51	7.46	7.56	0.49	7.6
	2	6.62	6.57	6.67	0.53	
gamma-BHC (Lindane)	1	4.34	4.29	4.39	0.48	5
	2	3.61	3.56	3.66	0.51	
Heptachlor	1	4.93	4.88	4.98	0.50	5.9
	2	3.95	3.90	4.00	0.53	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

WC-TA2-01-CMS

Contract: ENTA05

Lab Code: CHEM

Case No.: P4660

SAS No.: P4660

SDG NO.: P4660

Lab Sample ID: P4660-03MS

Date(s) Analyzed: 11/11/2024

11/11/2024

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

GC Column: (1): ZB-MR2

ID: 0.32 (mm)

GC Column: (2): ZB-MR1

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Methoxychlor	1	7.50	7.45	7.55	4.60	8.3
	2	6.62	6.57	6.67	5.00	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	4.50	4.3
	2	3.61	3.56	3.66	4.70	
Heptachlor	1	4.92	4.87	4.97	4.90	5.9
	2	3.95	3.90	4.00	5.20	
Heptachlor epoxide	1	5.69	5.64	5.74	4.80	9.9
	2	4.73	4.68	4.78	5.30	
Endrin	1	6.58	6.53	6.63	4.70	17.5
	2	5.64	5.59	5.69	5.60	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

WC-TA2-01-CMSD

Contract: ENTA05

Lab Code: CHEM

Case No.: P4660

SAS No.: P4660

SDG NO.: P4660

Lab Sample ID: P4660-03MSD

Date(s) Analyzed: 11/11/2024

11/11/2024

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

GC Column: (1): ZB-MR2

ID: 0.32 (mm)

GC Column: (2): ZB-MR1

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Methoxychlor	1	7.51	7.46	7.56	4.60	8.3
	2	6.62	6.57	6.67	5.00	
gamma-BHC (Lindane)	1	4.34	4.29	4.39	4.50	2.2
	2	3.61	3.56	3.66	4.60	
Heptachlor	1	4.92	4.87	4.97	4.80	6.1
	2	3.95	3.90	4.00	5.10	
Heptachlor epoxide	1	5.69	5.64	5.74	4.90	5.9
	2	4.73	4.68	4.78	5.20	
Endrin	1	6.58	6.53	6.63	4.80	15.4
	2	5.64	5.59	5.69	5.60	

LAB CHRONICLE

OrderID:	P4660	OrderDate:	10/31/2024 2:38:00 PM
Client:	ENTACT	Project:	540 Degraw St, Brooklyn, NY - E9309
Contact:	Jarod Stanfield	Location:	K41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4660-02	WC-TA2-01-C	SOIL			10/30/24			10/31/24
			PCB	8082A		11/04/24	11/04/24	
P4660-03	WC-TA2-01-C	TCLP			10/30/24			10/31/24
			TCLP Herbicide	8151A		11/06/24	11/07/24	
			TCLP Pesticide	8081B		11/06/24	11/07/24	
P4660-06	WC-WOOD-01-C	SOIL			10/31/24			10/31/24
			PCB	8082A		11/04/24	11/04/24	
P4660-07	WC-WOOD-01-C	TCLP			10/31/24			10/31/24
			TCLP Herbicide	8151A		11/06/24	11/07/24	
			TCLP Pesticide	8081B		11/06/24	11/07/24	
P4660-10	WC-CONCRETE-01-C	SOIL			10/31/24			10/31/24
			PCB	8082A		11/04/24	11/04/24	
P4660-11	WC-CONCRETE-01-C	TCLP			10/31/24			10/31/24
			TCLP Herbicide	8151A		11/06/24	11/07/24	
			TCLP Pesticide	8081B		11/06/24	11/07/24	

Hit Summary Sheet
SW-846

SDG No.: P4660

Order ID: P4660

Client: ENTACT

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

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

Total Concentration: 0.000

A
B
C
D
E
F
G
H



SAMPLE DATA

A

B

C

D

E

F

G

H

Report of Analysis

Client:	ENTACT		Date Collected:	10/30/24	
Project:	540 Degraw St, Brooklyn, NY - E9309		Date Received:	10/31/24	
Client Sample ID:	WC-TA2-01-C		SDG No.:	P4660	
Lab Sample ID:	P4660-03		Matrix:	TCLP	
Analytical Method:	SW8151A		% Solid:	0	Decanted:
Sample Wt/Vol:	100	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	TCLP Herbicide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	8151A				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028310.D	1	11/06/24 09:34	11/07/24 10:16	PB164752

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	4.90	U	4.90	20.0	ug/L
93-72-1	2,4,5-TP (Silvex)	4.50	U	4.50	20.0	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	679	*	70 (39) - 130 (175)	136%	SPK: 500

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

Report of Analysis

Client:	ENTACT		Date Collected:	10/31/24	
Project:	540 Degraw St, Brooklyn, NY - E9309		Date Received:	10/31/24	
Client Sample ID:	WC-WOOD-01-C		SDG No.:	P4660	
Lab Sample ID:	P4660-07		Matrix:	TCLP	
Analytical Method:	SW8151A		% Solid:	0	Decanted:
Sample Wt/Vol:	100	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	TCLP Herbicide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	8151A				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028311.D	1	11/06/24 09:34	11/07/24 10:40	PB164752

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	4.90	U	4.90	20.0	ug/L
93-72-1	2,4,5-TP (Silvex)	4.50	U	4.50	20.0	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	460		70 (39) - 130 (175)	92%	SPK: 500

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

Report of Analysis

Client:	ENTACT		Date Collected:	10/31/24	
Project:	540 Degraw St, Brooklyn, NY - E9309		Date Received:	10/31/24	
Client Sample ID:	WC-CONCRETE-01-C		SDG No.:	P4660	
Lab Sample ID:	P4660-11		Matrix:	TCLP	
Analytical Method:	SW8151A		% Solid:	0	Decanted:
Sample Wt/Vol:	100	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	TCLP Herbicide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	8151A				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028312.D	1	11/06/24 09:34	11/07/24 11:04	PB164752

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	4.90	U	4.90	20.0	ug/L
93-72-1	2,4,5-TP (Silvex)	4.50	U	4.50	20.0	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	720	*	70 (39) - 130 (175)	144%	SPK: 500

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

Report of Analysis

Client:	ENTACT		Date Collected:		
Project:	540 Degraw St, Brooklyn, NY - E9309		Date Received:	11/06/24	
Client Sample ID:	PB164560TB		SDG No.:	P4660	
Lab Sample ID:	PB164560TB		Matrix:	TCLP	
Analytical Method:	SW8151A		% Solid:	0	Decanted:
Sample Wt/Vol:	100	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	TCLP Herbicide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	8151A				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028317.D	1	11/06/24 09:34	11/07/24 13:04	PB164752

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	4.90	U	4.90	20.0	ug/L
93-72-1	2,4,5-TP (Silvex)	4.50	U	4.50	20.0	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	374		70 (39) - 130 (175)	75%	SPK: 500

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



QC SUMMARY

A

B

C

D

E

F

G

H

Surrogate Summary

SDG No.: P4660

Client: ENTACT

Analytical Method: 8151A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
I.BLK-PS028252.D	PIBLK-PS028252.D	2,4-DCAA	1	500	489	98		70 (39)	130 (175)
		2,4-DCAA	2	500	491	98		70 (39)	130 (175)
I.BLK-PS028308.D	PIBLK-PS028308.D	2,4-DCAA	1	500	526	105		70 (39)	130 (175)
		2,4-DCAA	2	500	489	98		70 (39)	130 (175)
P4660-03	WC-TA2-01-C	2,4-DCAA	1	500	679	136	*	70 (39)	130 (175)
		2,4-DCAA	2	500	605	121		70 (39)	130 (175)
P4660-07	WC-WOOD-01-C	2,4-DCAA	1	500	460	92		70 (39)	130 (175)
		2,4-DCAA	2	500	380	76		70 (39)	130 (175)
P4660-11	WC-CONCRETE-01-C	2,4-DCAA	1	500	720	144	*	70 (39)	130 (175)
		2,4-DCAA	2	500	597	119		70 (39)	130 (175)
P4660-03MS	WC-TA2-01-CMS	2,4-DCAA	1	500	428	86		70 (39)	130 (175)
		2,4-DCAA	2	500	338	68	*	70 (39)	130 (175)
P4660-03MSD	WC-TA2-01-CMSD	2,4-DCAA	1	500	447	89		70 (39)	130 (175)
		2,4-DCAA	2	500	361	72		70 (39)	130 (175)
PB164752BL	PB164752BL	2,4-DCAA	1	500	570	114		70 (39)	130 (175)
		2,4-DCAA	2	500	493	99		70 (39)	130 (175)
PB164752BS	PB164752BS	2,4-DCAA	1	500	561	112		70 (39)	130 (175)
		2,4-DCAA	2	500	499	100		70 (39)	130 (175)
PB164560TB	PB164560TB	2,4-DCAA	1	500	374	75		70 (39)	130 (175)
		2,4-DCAA	2	500	306	61	*	70 (39)	130 (175)
I.BLK-PS028319.D	PIBLK-PS028319.D	2,4-DCAA	1	500	540	108		70 (39)	130 (175)
		2,4-DCAA	2	500	489	98		70 (39)	130 (175)

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4660

Client: ENTACT

Analytical Method: 8151A

DataFile : PS028313.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID: P4660-03MS	WC-TA2-01-CMS											
	2,4-D	50	0	50.3	ug/L	101				70 (65)	130 (135)	
	2,4,5-TP(Silvex)	50	0	52.9	ug/L	106				70 (62)	130 (139)	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4660

Client: ENTACT

Analytical Method: 8151A

DataFile : PS028314.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID: P4660-03MSD	WC-TA2-01-CMSD											
	2,4-D	50	0	53.9	ug/L	108		7		70 (65)	130 (135)	20 (20)
	2,4,5-TP(Silvex)	50	0	58.5	ug/L	117		10		70 (62)	130 (139)	20 (20)

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4660

Client: ENTACT

Analytical Method: 8151A Datafile : PS028316.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB164752BS	2,4-D	5	5.30	ug/L	106				70 (83)	130 (130)		
	2,4,5-TP(Silvex)	5	5.50	ug/L	110				70 (78)	130 (127)		

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB164752BL

Lab Name: CHEMTECH

Contract: ENTA05

Lab Code: CHEM Case No.: P4660

SAS No.: P4660 SDG NO.: P4660

Lab Sample ID: PB164752BL

Lab File ID: PS028315.D

Matrix: (soil/water) water

Extraction: (Type) _____

Sulfur Cleanup: (Y/N) N

Date Extracted: 11/06/2024

Date Analyzed (1): 11/07/2024

Date Analyzed (2): 11/07/2024

Time Analyzed (1): 12:16

Time Analyzed (2): 12:16

Instrument ID (1): ECD_S

Instrument ID (2): ECD_S

GC Column (1): RTX-CLP ID: 0.32 (mm)

GC Column (2): RTX-CLP2 ID: 0.32 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
WC-TA2-01-C	P4660-03	PS028310.D	11/07/2024	11/07/2024
WC-WOOD-01-C	P4660-07	PS028311.D	11/07/2024	11/07/2024
WC-CONCRETE-01-C	P4660-11	PS028312.D	11/07/2024	11/07/2024
WC-TA2-01-CMS	P4660-03MS	PS028313.D	11/07/2024	11/07/2024
WC-TA2-01-CMSD	P4660-03MSD	PS028314.D	11/07/2024	11/07/2024
PB164752BS	PB164752BS	PS028316.D	11/07/2024	11/07/2024
PB164560TB	PB164560TB	PS028317.D	11/07/2024	11/07/2024

COMMENTS: _____



QC SAMPLE DATA

Report of Analysis

Client:	ENTACT		Date Collected:		
Project:	540 Degraw St, Brooklyn, NY - E9309		Date Received:		
Client Sample ID:	PB164752BL		SDG No.:	P4660	
Lab Sample ID:	PB164752BL		Matrix:	TCLP	
Analytical Method:	SW8151A		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	TCLP Herbicide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028315.D	1	11/06/24 09:34	11/07/24 12:16	PB164752

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	0.49	U	0.49	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	0.45	U	0.45	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	570		70 (39) - 130 (175)	114%	SPK: 500

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

Report of Analysis

Client:	ENTACT		Date Collected:	11/06/24	
Project:	540 Degraw St, Brooklyn, NY - E9309		Date Received:	11/06/24	
Client Sample ID:	PIBLK-PS028252.D		SDG No.:	P4660	
Lab Sample ID:	I.BLK-PS028252.D		Matrix:	TCLP	
Analytical Method:	SW8151A		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	TCLP Herbicide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028252.D	1		11/06/24	PS110624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	0.49	U	0.49	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	0.45	U	0.45	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	491		70 (39) - 130 (175)	98%	SPK: 500

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

Report of Analysis

Client:	ENTACT		Date Collected:	11/07/24	
Project:	540 Degraw St, Brooklyn, NY - E9309		Date Received:	11/07/24	
Client Sample ID:	PIBLK-PS028308.D		SDG No.:	P4660	
Lab Sample ID:	I.BLK-PS028308.D		Matrix:	TCLP	
Analytical Method:	SW8151A		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	TCLP Herbicide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028308.D	1		11/07/24	PS110624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	0.49	U	0.49	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	0.45	U	0.45	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	526		70 (39) - 130 (175)	105%	SPK: 500

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

Report of Analysis

Client:	ENTACT	Date Collected:	11/07/24
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	11/07/24
Client Sample ID:	PIBLK-PS028319.D	SDG No.:	P4660
Lab Sample ID:	I.BLK-PS028319.D	Matrix:	TCLP
Analytical Method:	SW8151A	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Decanted:	
Soil Aliquot Vol:	uL	Final Vol:	10000 uL
Extraction Type:		Test:	TCLP Herbicide
GPC Factor :	1.0	Injection Volume :	
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028319.D	1		11/07/24	PS110624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	0.49	U	0.49	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	0.45	U	0.45	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	540		70 (39) - 130 (175)	108%	SPK: 500

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

Report of Analysis

Client:	ENTACT		Date Collected:		
Project:	540 Degraw St, Brooklyn, NY - E9309		Date Received:		
Client Sample ID:	PB164752BS		SDG No.:	P4660	
Lab Sample ID:	PB164752BS		Matrix:	TCLP	
Analytical Method:	SW8151A		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	TCLP Herbicide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028316.D	1	11/06/24 09:34	11/07/24 12:40	PB164752

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	5.30		0.49	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	5.50		0.45	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	561		70 (39) - 130 (175)	112%	SPK: 500

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

Report of Analysis

Client:	ENTACT		Date Collected:	10/30/24	
Project:	540 Degraw St, Brooklyn, NY - E9309		Date Received:	10/31/24	
Client Sample ID:	WC-TA2-01-CMS		SDG No.:	P4660	
Lab Sample ID:	P4660-03MS		Matrix:	TCLP	
Analytical Method:	SW8151A		% Solid:	0	Decanted:
Sample Wt/Vol:	100	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	TCLP Herbicide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028313.D	1	11/06/24 09:34	11/07/24 11:28	PB164752

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	50.3		4.90	20.0	ug/L
93-72-1	2,4,5-TP (Silvex)	52.9		4.50	20.0	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	428		70 (39) - 130 (175)	86%	SPK: 500

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

Report of Analysis

Client:	ENTACT		Date Collected:	10/30/24	
Project:	540 Degraw St, Brooklyn, NY - E9309		Date Received:	10/31/24	
Client Sample ID:	WC-TA2-01-CMSD		SDG No.:	P4660	
Lab Sample ID:	P4660-03MSD		Matrix:	TCLP	
Analytical Method:	SW8151A		% Solid:	0	Decanted:
Sample Wt/Vol:	100	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	TCLP Herbicide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028314.D	1	11/06/24 09:34	11/07/24 11:52	PB164752

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	53.9		4.90	20.0	ug/L
93-72-1	2,4,5-TP (Silvex)	58.5		4.50	20.0	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	447		70 (39) - 130 (175)	89%	SPK: 500

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



CALIBRATION SUMMARY

RETENTION TIMES OF INITIAL CALIBRATION

Contract: ENTA05

Lab Code: CHEM Case No.: P4660 SAS No.: P4660 SDG NO.: P4660

Instrument ID: ECD_S Calibration Date(s): 11/06/2024 11/06/2024

Calibration Times: 09:48 11:24

GC Column: RTX-CLP ID: 0.32 (mm)

LAB FILE ID:	RT 200 = <u>PS028253.D</u>	RT 500 = <u>PS028254.D</u>
	RT 750 = <u>PS028255.D</u>	RT 1000 = <u>PS028256.D</u>
		RT 1500 = <u>PS028257.D</u>

COMPOUND	RT 200	RT 500	RT 750	RT 1000	RT 1500	MEAN RT	RT WINDOW FROM TO	
2,4,5-TP(Silvex)	9.28	9.28	9.28	9.28	9.28	9.28	9.18	9.38
2,4-D	8.39	8.39	8.39	8.39	8.39	8.39	8.29	8.49
2,4-DCAA	7.26	7.26	7.26	7.26	7.26	7.26	7.16	7.36

RETENTION TIMES OF INITIAL CALIBRATION

Contract: ENTA05

Lab Code: CHEM Case No.: P4660 SAS No.: P4660 SDG NO.: P4660

Instrument ID: ECD_S Calibration Date(s): 11/06/2024 11/06/2024

Calibration Times: 09:48 11:24

GC Column: RTX-CLP2 ID: 0.32 (mm)

LAB FILE ID:	RT 200 = <u>PS028253.D</u>	RT 500 = <u>PS028254.D</u>
	RT 750 = <u>PS028255.D</u>	RT 1000 = <u>PS028256.D</u>
		RT 1500 = <u>PS028257.D</u>

COMPOUND	RT 200	RT 500	RT 750	RT 1000	RT 1500	MEAN RT	RT WINDOW FROM TO	
2,4,5-TP(Silvex)	9.92	9.92	9.92	9.92	9.92	9.92	9.82	10.02
2,4-D	9.02	9.02	9.02	9.02	9.02	9.02	8.92	9.12
2,4-DCAA	7.77	7.77	7.77	7.77	7.77	7.76	7.66	7.86

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: ENTA05

Lab Code: CHEM Case No.: P4660 SAS No.: P4660 SDG NO.: P4660

Instrument ID: ECD_S Calibration Date(s): 11/06/2024 11/06/2024

Calibration Times: 09:48 11:24

GC Column: RTX-CLP ID: 0.32 (mm)

LAB FILE ID:		CF 200 =	<u>PS028253.D</u>	CF 500 =	<u>PS028254.D</u>		
CF 750 =		<u>PS028255.D</u>	CF 1000 =	<u>PS028256.D</u>	CF 1500 =	<u>PS028257.D</u>	
COMPOUND	CF 200	CF 500	CF 750	CF 1000	CF 1500	CF	% RSD
2,4,5-TP(Silvex)	18381400000	17393400000	17071400000	16437600000	15844400000	17025600000	6
2,4-D	3499520000	3198390000	3124710000	3013570000	2944350000	3156110000	7
2,4-DCAA	2911600000	2530960000	2546610000	2432090000	2385800000	2561410000	8

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: ENTA05

Lab Code: CHEM **Case No.:** P4660 **SAS No.:** P4660 **SDG NO.:** P4660

Instrument ID: ECD_S **Calibration Date(s):** 11/06/2024 11/06/2024
Calibration Times: 09:48 11:24

GC Column: RTX-CLP2 **ID:** 0.32 (mm)

LAB FILE ID:		CF 200 =	<u>PS028253.D</u>	CF 500 =	<u>PS028254.D</u>		
CF 750 =		<u>PS028255.D</u>	CF 1000 =	<u>PS028256.D</u>	CF 1500 =	<u>PS028257.D</u>	
COMPOUND	CF 200	CF 500	CF 750	CF 1000	CF 1500	CF	% RSD
2,4,5-TP(Silvex)	12950900000	12612000000	12578800000	12192000000	11879700000	12442700000	3
2,4-D	2348170000	2233230000	2226180000	2175820000	2167290000	2230140000	3
2,4-DCAA	1855960000	1741220000	1731630000	1690270000	1689820000	1741780000	4

CALIBRATION VERIFICATION SUMMARY

Contract: ENTA05

Lab Code: CHEM Case No.: P4660 SAS No.: P4660 SDG NO.: P4660

Continuing Calib Date: 11/07/2024 Initial Calibration Date(s): 11/06/2024 11/06/2024

Continuing Calib Time: 09:52 Initial Calibration Time(s): 09:48 11:24

GC Column: RTX-CLP ID: 0.32 (mm)

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
2,4-DCAA	7.26	7.26	7.16	7.36	0.00
2,4-D	8.39	8.39	8.29	8.49	0.00
2,4,5-TP(Silvex)	9.27	9.28	9.18	9.38	0.01

CALIBRATION VERIFICATION SUMMARY

Contract: ENTA05

Lab Code: CHEM Case No.: P4660 SAS No.: P4660 SDG NO.: P4660

Continuing Calib Date: 11/07/2024 Initial Calibration Date(s): 11/06/2024 11/06/2024

Continuing Calib Time: 09:52 Initial Calibration Time(s): 09:48 11:24

GC Column: RTX-CLP2 ID: 0.32 (mm)

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
2,4-DCAA	7.76	7.77	7.67	7.87	0.01
2,4-D	9.01	9.02	8.92	9.12	0.01
2,4,5-TP(Silvex)	9.92	9.92	9.82	10.02	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: ENTA05

Lab Code: CHEM Case No.: P4660 SAS No.: P4660 SDG NO.: P4660

GC Column: RTX-CLP ID: 0.32 (mm) Initi. Calib. Date(s): 11/06/2024 11/06/2024

Client Sample No.: CCAL01 Date Analyzed: 11/07/2024

Lab Sample No.: HSTDCCC750 Data File : PS028309.D Time Analyzed: 09:52

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-TP(Silvex)	9.269	9.177	9.377	775.150	712.500	8.8
2,4-D	8.387	8.294	8.494	754.140	705.000	7.0
2,4-DCAA	7.256	7.162	7.362	795.060	750.000	6.0

CALIBRATION VERIFICATION SUMMARY

Contract: ENTA05

Lab Code: CHEM Case No.: P4660 SAS No.: P4660 SDG NO.: P4660

GC Column: RTX-CLP2 ID: 0.32 (mm) Initi. Calib. Date(s): 11/06/2024 11/06/2024

Client Sample No.: CCAL01 Date Analyzed: 11/07/2024

Lab Sample No.: HSTDCCC750 Data File : PS028309.D Time Analyzed: 09:52

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-TP(Silvex)	9.917	9.823	10.023	695.710	712.500	-2.4
2,4-D	9.010	8.915	9.115	678.350	705.000	-3.8
2,4-DCAA	7.761	7.665	7.865	740.370	750.000	-1.3

CALIBRATION VERIFICATION SUMMARY

Contract: ENTA05

Lab Code: CHEM Case No.: P4660 SAS No.: P4660 SDG NO.: P4660

Continuing Calib Date: 11/07/2024 Initial Calibration Date(s): 11/06/2024 11/06/2024

Continuing Calib Time: 14:16 Initial Calibration Time(s): 09:48 11:24

GC Column: RTX-CLP ID: 0.32 (mm)

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
2,4-DCAA	7.26	7.26	7.16	7.36	0.00
2,4-D	8.39	8.39	8.29	8.49	0.00
2,4,5-TP(Silvex)	9.27	9.28	9.18	9.38	0.01

CALIBRATION VERIFICATION SUMMARY

Contract: ENTA05

Lab Code: CHEM Case No.: P4660 SAS No.: P4660 SDG NO.: P4660

Continuing Calib Date: 11/07/2024 Initial Calibration Date(s): 11/06/2024 11/06/2024

Continuing Calib Time: 14:16 Initial Calibration Time(s): 09:48 11:24

GC Column: RTX-CLP2 ID: 0.32 (mm)

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
2,4-DCAA	7.76	7.77	7.67	7.87	0.01
2,4-D	9.01	9.02	8.92	9.12	0.01
2,4,5-TP(Silvex)	9.92	9.92	9.82	10.02	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: ENTA05

Lab Code: CHEM Case No.: P4660 SAS No.: P4660 SDG NO.: P4660

GC Column: RTX-CLP ID: 0.32 (mm) Initi. Calib. Date(s): 11/06/2024 11/06/2024

Client Sample No.: CCAL02 Date Analyzed: 11/07/2024

Lab Sample No.: HSTDCCC750 Data File : PS028320.D Time Analyzed: 14:16

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-TP(Silvex)	9.268	9.177	9.377	786.780	712.500	10.4
2,4-D	8.386	8.294	8.494	760.070	705.000	7.8
2,4-DCAA	7.256	7.162	7.362	800.400	750.000	6.7

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CALIBRATION VERIFICATION SUMMARY

Contract: ENTA05

Lab Code: CHEM Case No.: P4660 SAS No.: P4660 SDG NO.: P4660

GC Column: RTX-CLP2 ID: 0.32 (mm) Initi. Calib. Date(s): 11/06/2024 11/06/2024

Client Sample No.: CCAL02 Date Analyzed: 11/07/2024

Lab Sample No.: HSTDCCC750 Data File : PS028320.D Time Analyzed: 14:16

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-TP(Silvex)	9.917	9.823	10.023	687.890	712.500	-3.5
2,4-D	9.010	8.915	9.115	670.180	705.000	-4.9
2,4-DCAA	7.761	7.665	7.865	730.880	750.000	-2.5

Analytical Sequence

Client: ENTACT	SDG No.: P4660
Project: 540 Degraw St, Brooklyn, NY - E9309	Instrument ID: ECD_S
GC Column: RTX-CLP	ID: 0.32 (mm) Inst. Calib. Date(s): 11/06/2024 11/06/2024

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES,
AND STANDARDS IS GIVEN BELOW:

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCAA RT #	RT #
IBLK	IBLK	11/06/2024	09:24	PS028252.D	7.26	0.00
HSTDICC200	HSTDICC200	11/06/2024	09:48	PS028253.D	7.26	0.00
HSTDICC500	HSTDICC500	11/06/2024	10:12	PS028254.D	7.26	0.00
HSTDICC750	HSTDICC750	11/06/2024	10:36	PS028255.D	7.26	0.00
HSTDICC1000	HSTDICC1000	11/06/2024	11:00	PS028256.D	7.26	0.00
HSTDICC1500	HSTDICC1500	11/06/2024	11:24	PS028257.D	7.26	0.00
IBLK	IBLK	11/07/2024	09:28	PS028308.D	7.26	0.00
HSTDCCC750	HSTDCCC750	11/07/2024	09:52	PS028309.D	7.26	0.00
WC-TA2-01-C	P4660-03	11/07/2024	10:16	PS028310.D	7.26	0.00
WC-WOOD-01-C	P4660-07	11/07/2024	10:40	PS028311.D	7.26	0.00
WC-CONCRETE-01-C	P4660-11	11/07/2024	11:04	PS028312.D	7.26	0.00
WC-TA2-01-CMS	P4660-03MS	11/07/2024	11:28	PS028313.D	7.26	0.00
WC-TA2-01-CMSD	P4660-03MSD	11/07/2024	11:52	PS028314.D	7.26	0.00
PB164752BL	PB164752BL	11/07/2024	12:16	PS028315.D	7.26	0.00
PB164752BS	PB164752BS	11/07/2024	12:40	PS028316.D	7.26	0.00
PB164560TB	PB164560TB	11/07/2024	13:04	PS028317.D	7.26	0.00
IBLK	IBLK	11/07/2024	13:52	PS028319.D	7.26	0.00
HSTDCCC750	HSTDCCC750	11/07/2024	14:16	PS028320.D	7.26	0.00

Analytical Sequence

Client: ENTACT	SDG No.: P4660
Project: 540 Degraw St, Brooklyn, NY - E9309	Instrument ID: ECD_S
GC Column: RTX-CLP2	ID: 0.32 (mm) Inst. Calib. Date(s): 11/06/2024 11/06/2024

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES,
AND STANDARDS IS GIVEN BELOW:

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCAA RT #	RT #
IBLK	IBLK	11/06/2024	09:24	PS028252.D	7.76	0.00
HSTDICC200	HSTDICC200	11/06/2024	09:48	PS028253.D	7.77	0.00
HSTDICC500	HSTDICC500	11/06/2024	10:12	PS028254.D	7.77	0.00
HSTDICC750	HSTDICC750	11/06/2024	10:36	PS028255.D	7.77	0.00
HSTDICC1000	HSTDICC1000	11/06/2024	11:00	PS028256.D	7.77	0.00
HSTDICC1500	HSTDICC1500	11/06/2024	11:24	PS028257.D	7.77	0.00
IBLK	IBLK	11/07/2024	09:28	PS028308.D	7.76	0.00
HSTDCCC750	HSTDCCC750	11/07/2024	09:52	PS028309.D	7.76	0.00
WC-TA2-01-C	P4660-03	11/07/2024	10:16	PS028310.D	7.76	0.00
WC-WOOD-01-C	P4660-07	11/07/2024	10:40	PS028311.D	7.76	0.00
WC-CONCRETE-01-C	P4660-11	11/07/2024	11:04	PS028312.D	7.76	0.00
WC-TA2-01-CMS	P4660-03MS	11/07/2024	11:28	PS028313.D	7.76	0.00
WC-TA2-01-CMSD	P4660-03MSD	11/07/2024	11:52	PS028314.D	7.76	0.00
PB164752BL	PB164752BL	11/07/2024	12:16	PS028315.D	7.76	0.00
PB164752BS	PB164752BS	11/07/2024	12:40	PS028316.D	7.76	0.00
PB164560TB	PB164560TB	11/07/2024	13:04	PS028317.D	7.76	0.00
IBLK	IBLK	11/07/2024	13:52	PS028319.D	7.76	0.00
HSTDCCC750	HSTDCCC750	11/07/2024	14:16	PS028320.D	7.76	0.00

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB164752BS

Contract: ENTA05

Lab Code: CHEM

Case No.: P4660

SAS No.: P4660

SDG NO.: P4660

Lab Sample ID: PB164752BS

Date(s) Analyzed: 11/07/2024

11/07/2024

Instrument ID (1): ECD_S

Instrument ID (2): ECD_S

GC Column: (1): RTX-CLP ID: 0.32 (mm)

GC Column:(2): RTX-CLP2 ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
2,4-D	1	8.39	8.34	8.44	5.30	14.1
	2	9.01	8.96	9.06	4.60	
2,4,5-TP(Silvex)	1	9.27	9.22	9.32	5.50	15.7
	2	9.92	9.87	9.97	4.70	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

WC-TA2-01-CMS

Contract: ENTA05

Lab Code: CHEM Case No.: P4660 SAS No.: P4660 SDG NO.: P4660

Lab Sample ID: P4660-03MS Date(s) Analyzed: 11/07/2024 11/07/2024

Instrument ID (1): ECD_S Instrument ID (2): ECD_S

GC Column: (1): RTX-CLP ID: 0.32 (mm) GC Column:(2): RTX-CLP2 ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
2,4-D	1	8.39	8.34	8.44	50.3	8.1
	2	9.01	8.96	9.06	46.4	
2,4,5-TP(Silvex)	1	9.27	9.22	9.32	50.1	5.4
	2	9.92	9.87	9.97	52.9	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

WC-TA2-01-CMSD

Contract: ENTA05

Lab Code: CHEM Case No.: P4660 SAS No.: P4660 SDG NO.: P4660

Lab Sample ID: P4660-03MSD Date(s) Analyzed: 11/07/2024 11/07/2024

Instrument ID (1): ECD_S Instrument ID (2): ECD_S

GC Column: (1): RTX-CLP ID: 0.32 (mm) GC Column:(2): RTX-CLP2 ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
2,4-D	1	8.39	8.34	8.44	53.9	7.7
	2	9.01	8.96	9.06	49.9	
2,4,5-TP(Silvex)	1	9.27	9.22	9.32	53.7	8.6
	2	9.92	9.87	9.97	58.5	

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LAB CHRONICLE

OrderID:	P4660	OrderDate:	10/31/2024 2:38:00 PM
Client:	ENTACT	Project:	540 Degraw St, Brooklyn, NY - E9309
Contact:	Jarod Stanfield	Location:	K41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4660-03	WC-TA2-01-C	TCLP	TCLP Mercury	7470A	10/30/24	11/04/24	11/05/24	10/31/24
			TCLPMetals Group2	6010D		11/04/24	11/07/24	
P4660-07	WC-WOOD-01-C	TCLP	TCLP Mercury	7470A	10/31/24	11/04/24	11/05/24	10/31/24
			TCLPMetals Group2	6010D		11/04/24	11/07/24	
P4660-11	WC-CONCRETE-01-C	TCLP	TCLP Mercury	7470A	10/31/24	11/04/24	11/05/24	10/31/24
			TCLPMetals Group2	6010D		11/04/24	11/07/24	

Hit Summary Sheet
SW-846

SDG No.:	P4660	Order ID:	P4660
Client:	ENTACT	Project ID:	540 Degraw St, Brooklyn, NY - E9309

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : WC-TA2-01-C								
P4660-03	WC-TA2-01-C	TCLP	Barium	440	J	62.8	500	ug/L
P4660-03	WC-TA2-01-C	TCLP	Chromium	81.5		6.60	50.0	ug/L
Client ID : WC-WOOD-01-C								
P4660-07	WC-WOOD-01-C	TCLP	Barium	581		62.8	500	ug/L
P4660-07	WC-WOOD-01-C	TCLP	Chromium	9.62	J	6.60	50.0	ug/L
P4660-07	WC-WOOD-01-C	TCLP	Nickel	19.0	J	8.50	200	ug/L
P4660-07	WC-WOOD-01-C	TCLP	Zinc	539		17.5	200	ug/L
Client ID : WC-CONCRETE-01-C								
P4660-11	WC-CONCRETE-01-C	TCLP	Barium	863		62.8	500	ug/L
P4660-11	WC-CONCRETE-01-C	TCLP	Cadmium	166		0.94	30.0	ug/L
P4660-11	WC-CONCRETE-01-C	TCLP	Copper	433		70.7	100	ug/L
P4660-11	WC-CONCRETE-01-C	TCLP	Lead	1170		35.1	60.0	ug/L
P4660-11	WC-CONCRETE-01-C	TCLP	Nickel	127	J	8.50	200	ug/L
P4660-11	WC-CONCRETE-01-C	TCLP	Zinc	2400		17.5	200	ug/L



SAMPLE DATA

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Report of Analysis

Client:	ENTACT	Date Collected:	10/30/24
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	10/31/24
Client Sample ID:	WC-TA2-01-C	SDG No.:	P4660
Lab Sample ID:	P4660-03	Matrix:	TCLP
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7440-38-2	Arsenic	34.8	U	1	34.8	100	ug/L	11/04/24 15:00	11/07/24 15:18	SW6010	SW3050
7440-39-3	Barium	440	J	1	62.8	500	ug/L	11/04/24 15:00	11/07/24 15:18	SW6010	SW3050
7440-43-9	Cadmium	0.94	U	1	0.94	30.0	ug/L	11/04/24 15:00	11/07/24 15:18	SW6010	SW3050
7440-47-3	Chromium	81.5		1	6.60	50.0	ug/L	11/04/24 15:00	11/07/24 15:18	SW6010	SW3050
7440-50-8	Copper	70.7	U	1	70.7	100	ug/L	11/04/24 15:00	11/07/24 15:18	SW6010	SW3050
7439-92-1	Lead	35.1	U	1	35.1	60.0	ug/L	11/04/24 15:00	11/07/24 15:18	SW6010	SW3050
7439-97-6	Mercury	0.81	U	1	0.81	2.00	ug/L	11/04/24 11:44	11/05/24 12:37	SW7470A	
7440-02-0	Nickel	8.50	U	1	8.50	200	ug/L	11/04/24 15:00	11/07/24 15:18	SW6010	SW3050
7782-49-2	Selenium	58.8	U	1	58.8	100	ug/L	11/04/24 15:00	11/07/24 15:18	SW6010	SW3050
7440-22-4	Silver	5.80	U	1	5.80	50.0	ug/L	11/04/24 15:00	11/07/24 15:18	SW6010	SW3050
7440-66-6	Zinc	17.5	U	1	17.5	200	ug/L	11/04/24 15:00	11/07/24 15:18	SW6010	SW3050

Color Before:	Colorless	Clarity Before:	Clear	Texture:
Color After:	Colorless	Clarity After:	Clear	Artifacts:
Comments:	TCLP-FULL			

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

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:	10/31/24
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	10/31/24
Client Sample ID:	WC-WOOD-01-C	SDG No.:	P4660
Lab Sample ID:	P4660-07	Matrix:	TCLP
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7440-38-2	Arsenic	34.8	U	1	34.8	100	ug/L	11/04/24 15:00	11/07/24 15:22	SW6010	SW3050
7440-39-3	Barium	581		1	62.8	500	ug/L	11/04/24 15:00	11/07/24 15:22	SW6010	SW3050
7440-43-9	Cadmium	0.94	U	1	0.94	30.0	ug/L	11/04/24 15:00	11/07/24 15:22	SW6010	SW3050
7440-47-3	Chromium	9.62	J	1	6.60	50.0	ug/L	11/04/24 15:00	11/07/24 15:22	SW6010	SW3050
7440-50-8	Copper	70.7	U	1	70.7	100	ug/L	11/04/24 15:00	11/07/24 15:22	SW6010	SW3050
7439-92-1	Lead	35.1	U	1	35.1	60.0	ug/L	11/04/24 15:00	11/07/24 15:22	SW6010	SW3050
7439-97-6	Mercury	0.81	U	1	0.81	2.00	ug/L	11/04/24 11:44	11/05/24 12:39	SW7470A	
7440-02-0	Nickel	19.0	J	1	8.50	200	ug/L	11/04/24 15:00	11/07/24 15:22	SW6010	SW3050
7782-49-2	Selenium	58.8	U	1	58.8	100	ug/L	11/04/24 15:00	11/07/24 15:22	SW6010	SW3050
7440-22-4	Silver	5.80	U	1	5.80	50.0	ug/L	11/04/24 15:00	11/07/24 15:22	SW6010	SW3050
7440-66-6	Zinc	539		1	17.5	200	ug/L	11/04/24 15:00	11/07/24 15:22	SW6010	SW3050

Color Before:	Colorless	Clarity Before:	Clear	Texture:
Color After:	Colorless	Clarity After:	Clear	Artifacts:
Comments:	TCLP-FULL			

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

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:	10/31/24
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	10/31/24
Client Sample ID:	WC-CONCRETE-01-C	SDG No.:	P4660
Lab Sample ID:	P4660-11	Matrix:	TCLP
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7440-38-2	Arsenic	34.8	U	1	34.8	100	ug/L	11/04/24 15:00	11/07/24 15:27	SW6010	SW3050
7440-39-3	Barium	863		1	62.8	500	ug/L	11/04/24 15:00	11/07/24 15:27	SW6010	SW3050
7440-43-9	Cadmium	166		1	0.94	30.0	ug/L	11/04/24 15:00	11/07/24 15:27	SW6010	SW3050
7440-47-3	Chromium	6.60	U	1	6.60	50.0	ug/L	11/04/24 15:00	11/07/24 15:27	SW6010	SW3050
7440-50-8	Copper	433		1	70.7	100	ug/L	11/04/24 15:00	11/07/24 15:27	SW6010	SW3050
7439-92-1	Lead	1170		1	35.1	60.0	ug/L	11/04/24 15:00	11/07/24 15:27	SW6010	SW3050
7439-97-6	Mercury	0.81	U	1	0.81	2.00	ug/L	11/04/24 11:44	11/05/24 12:41	SW7470A	
7440-02-0	Nickel	127	J	1	8.50	200	ug/L	11/04/24 15:00	11/07/24 15:27	SW6010	SW3050
7782-49-2	Selenium	58.8	U	1	58.8	100	ug/L	11/04/24 15:00	11/07/24 15:27	SW6010	SW3050
7440-22-4	Silver	5.80	U	1	5.80	50.0	ug/L	11/04/24 15:00	11/07/24 15:27	SW6010	SW3050
7440-66-6	Zinc	2400		1	17.5	200	ug/L	11/04/24 15:00	11/07/24 15:27	SW6010	SW3050

Color Before:	Colorless	Clarity Before:	Clear	Texture:
Color After:	Colorless	Clarity After:	Clear	Artifacts:
Comments:	TCLP-FULL			

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

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



METAL CALIBRATION DATA

A

B

C

D

E

F

G

H

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: ENTACT **SDG No.:** P4660
Contract: ENTA05 **Lab Code:** CHEM **Case No.:** P4660 **SAS No.:** P4660
Initial Calibration Source: EPA
Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV69	Mercury	3.87	4.0	97	90 - 110	CV	11/05/2024	11:58	LB133297

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: ENTACT SDG No.: P4660
 Contract: ENTA05 Lab Code: CHEM Case No.: P4660 SAS No.: P4660
 Initial Calibration Source: EPA
 Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV26	Mercury	4.76	5.0	95	90 - 110	CV	11/05/2024	12:03	LB133297
CCV27	Mercury	4.98	5.0	100	90 - 110	CV	11/05/2024	12:30	LB133297
CCV28	Mercury	4.94	5.0	99	90 - 110	CV	11/05/2024	12:57	LB133297
CCV29	Mercury	5.12	5.0	102	90 - 110	CV	11/05/2024	13:32	LB133297
CCV30	Mercury	5.20	5.0	104	90 - 110	CV	11/05/2024	14:08	LB133297
CCV31	Mercury	5.44	5.0	109	90 - 110	CV	11/05/2024	14:29	LB133297
CCV32	Mercury	5.11	5.0	102	90 - 110	CV	11/05/2024	14:42	LB133297

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: ENTACT SDG No.: P4660
 Contract: ENTA05 Lab Code: CHEM Case No.: P4660 SAS No.: P4660
 Initial Calibration Source: EPA
 Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Arsenic	1030	1000	103	90 - 110	P	11/07/2024	13:49	LB133344
	Barium	521	520	100	90 - 110	P	11/07/2024	13:49	LB133344
	Cadmium	509	510	100	90 - 110	P	11/07/2024	13:49	LB133344
	Chromium	531	520	102	90 - 110	P	11/07/2024	13:49	LB133344
	Copper	531	510	104	90 - 110	P	11/07/2024	13:49	LB133344
	Lead	1020	1000	102	90 - 110	P	11/07/2024	13:49	LB133344
	Nickel	518	530	98	90 - 110	P	11/07/2024	13:49	LB133344
	Selenium	1040	1000	104	90 - 110	P	11/07/2024	13:49	LB133344
	Silver	256	250	102	90 - 110	P	11/07/2024	13:49	LB133344
	Zinc	1050	1000	105	90 - 110	P	11/07/2024	13:49	LB133344

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: ENTACT SDG No.: P4660
Contract: ENTA05 Lab Code: CHEM Case No.: P4660 SAS No.: P4660
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Arsenic	18.0	20.0	90	80 - 120	P	11/07/2024	14:23	LB133344
	Barium	100	100	100	80 - 120	P	11/07/2024	14:23	LB133344
	Cadmium	6.52	6.0	109	80 - 120	P	11/07/2024	14:23	LB133344
	Chromium	9.52	10.0	95	80 - 120	P	11/07/2024	14:23	LB133344
	Copper	22.7	20.0	114	80 - 120	P	11/07/2024	14:23	LB133344
	Lead	11.4	12.0	95	80 - 120	P	11/07/2024	14:23	LB133344
	Nickel	38.5	40.0	96	80 - 120	P	11/07/2024	14:23	LB133344
	Selenium	20.8	20.0	104	80 - 120	P	11/07/2024	14:23	LB133344
	Silver	10.8	10.0	108	80 - 120	P	11/07/2024	14:23	LB133344
	Zinc	42.0	40.0	105	80 - 120	P	11/07/2024	14:23	LB133344

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: ENTACT **SDG No.:** P4660
Contract: ENTA05 **Lab Code:** CHEM **Case No.:** P4660 **SAS No.:** P4660
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Arsenic	5040	5000	101	90 - 110	P	11/07/2024	15:01	LB133344
	Barium	9710	10000	97	90 - 110	P	11/07/2024	15:01	LB133344
	Cadmium	2450	2500	98	90 - 110	P	11/07/2024	15:01	LB133344
	Chromium	992	1000	99	90 - 110	P	11/07/2024	15:01	LB133344
	Copper	1270	1250	102	90 - 110	P	11/07/2024	15:01	LB133344
	Lead	4920	5000	98	90 - 110	P	11/07/2024	15:01	LB133344
	Nickel	2450	2500	98	90 - 110	P	11/07/2024	15:01	LB133344
	Selenium	5150	5000	103	90 - 110	P	11/07/2024	15:01	LB133344
	Silver	1240	1250	99	90 - 110	P	11/07/2024	15:01	LB133344
	Zinc	2530	2500	101	90 - 110	P	11/07/2024	15:01	LB133344
CCV02	Arsenic	4950	5000	99	90 - 110	P	11/07/2024	15:53	LB133344
	Barium	9390	10000	94	90 - 110	P	11/07/2024	15:53	LB133344
	Cadmium	2390	2500	96	90 - 110	P	11/07/2024	15:53	LB133344
	Chromium	963	1000	96	90 - 110	P	11/07/2024	15:53	LB133344
	Copper	1250	1250	100	90 - 110	P	11/07/2024	15:53	LB133344
	Lead	4800	5000	96	90 - 110	P	11/07/2024	15:53	LB133344
	Nickel	2390	2500	96	90 - 110	P	11/07/2024	15:53	LB133344
	Selenium	5050	5000	101	90 - 110	P	11/07/2024	15:53	LB133344
	Silver	1220	1250	98	90 - 110	P	11/07/2024	15:53	LB133344
	Zinc	2480	2500	99	90 - 110	P	11/07/2024	15:53	LB133344
CCV03	Arsenic	5190	5000	104	90 - 110	P	11/07/2024	16:45	LB133344
	Barium	9850	10000	98	90 - 110	P	11/07/2024	16:45	LB133344
	Cadmium	2470	2500	99	90 - 110	P	11/07/2024	16:45	LB133344
	Chromium	993	1000	99	90 - 110	P	11/07/2024	16:45	LB133344
	Copper	1300	1250	104	90 - 110	P	11/07/2024	16:45	LB133344
	Lead	4970	5000	99	90 - 110	P	11/07/2024	16:45	LB133344
	Nickel	2480	2500	99	90 - 110	P	11/07/2024	16:45	LB133344
	Selenium	5320	5000	106	90 - 110	P	11/07/2024	16:45	LB133344
	Silver	1240	1250	100	90 - 110	P	11/07/2024	16:45	LB133344
	Zinc	2400	2500	96	90 - 110	P	11/07/2024	16:45	LB133344
CCV04	Arsenic	5210	5000	104	90 - 110	P	11/07/2024	17:56	LB133344
	Barium	9810	10000	98	90 - 110	P	11/07/2024	17:56	LB133344
	Cadmium	2500	2500	100	90 - 110	P	11/07/2024	17:56	LB133344
	Chromium	1020	1000	102	90 - 110	P	11/07/2024	17:56	LB133344

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: ENTACT **SDG No.:** P4660
Contract: ENTA05 **Lab Code:** CHEM **Case No.:** P4660 **SAS No.:** P4660
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV04	Copper	1300	1250	104	90 - 110	P	11/07/2024	17:56	LB133344
	Lead	5010	5000	100	90 - 110	P	11/07/2024	17:56	LB133344
	Nickel	2490	2500	100	90 - 110	P	11/07/2024	17:56	LB133344
	Selenium	5390	5000	108	90 - 110	P	11/07/2024	17:56	LB133344
	Silver	1260	1250	101	90 - 110	P	11/07/2024	17:56	LB133344
	Zinc	2510	2500	100	90 - 110	P	11/07/2024	17:56	LB133344
CCV05	Arsenic	5120	5000	102	90 - 110	P	11/07/2024	18:32	LB133344
	Barium	9790	10000	98	90 - 110	P	11/07/2024	18:32	LB133344
	Cadmium	2430	2500	97	90 - 110	P	11/07/2024	18:32	LB133344
	Chromium	988	1000	99	90 - 110	P	11/07/2024	18:32	LB133344
	Copper	1280	1250	102	90 - 110	P	11/07/2024	18:32	LB133344
	Lead	4880	5000	98	90 - 110	P	11/07/2024	18:32	LB133344
	Nickel	2430	2500	97	90 - 110	P	11/07/2024	18:32	LB133344
	Selenium	5290	5000	106	90 - 110	P	11/07/2024	18:32	LB133344
	Silver	1240	1250	99	90 - 110	P	11/07/2024	18:32	LB133344
	Zinc	2500	2500	100	90 - 110	P	11/07/2024	18:32	LB133344
CCV06	Arsenic	5110	5000	102	90 - 110	P	11/07/2024	19:08	LB133344
	Barium	9640	10000	96	90 - 110	P	11/07/2024	19:08	LB133344
	Cadmium	2460	2500	99	90 - 110	P	11/07/2024	19:08	LB133344
	Chromium	994	1000	99	90 - 110	P	11/07/2024	19:08	LB133344
	Copper	1270	1250	102	90 - 110	P	11/07/2024	19:08	LB133344
	Lead	4930	5000	99	90 - 110	P	11/07/2024	19:08	LB133344
	Nickel	2460	2500	98	90 - 110	P	11/07/2024	19:08	LB133344
	Selenium	5260	5000	105	90 - 110	P	11/07/2024	19:08	LB133344
	Silver	1240	1250	99	90 - 110	P	11/07/2024	19:08	LB133344
	Zinc	2490	2500	100	90 - 110	P	11/07/2024	19:08	LB133344
	Arsenic	5100	5000	102	90 - 110	P	11/07/2024	19:58	LB133344
	Barium	9400	10000	94	90 - 110	P	11/07/2024	19:58	LB133344
CCV07	Cadmium	2420	2500	97	90 - 110	P	11/07/2024	19:58	LB133344
	Chromium	986	1000	99	90 - 110	P	11/07/2024	19:58	LB133344
	Copper	1270	1250	101	90 - 110	P	11/07/2024	19:58	LB133344
	Lead	4850	5000	97	90 - 110	P	11/07/2024	19:58	LB133344
	Nickel	2410	2500	96	90 - 110	P	11/07/2024	19:58	LB133344
	Selenium	5270	5000	105	90 - 110	P	11/07/2024	19:58	LB133344

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: ENTACT SDG No.: P4660
Contract: ENTA05 Lab Code: CHEM Case No.: P4660 SAS No.: P4660
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV07	Silver	1230	1250	98	90 - 110	P	11/07/2024	19:58	LB133344
	Zinc	2490	2500	100	90 - 110	P	11/07/2024	19:58	LB133344
CCV08	Arsenic	5100	5000	102	90 - 110	P	11/07/2024	20:58	LB133344
	Barium	9480	10000	95	90 - 110	P	11/07/2024	20:58	LB133344
	Cadmium	2410	2500	96	90 - 110	P	11/07/2024	20:58	LB133344
	Chromium	989	1000	99	90 - 110	P	11/07/2024	20:58	LB133344
	Copper	1270	1250	102	90 - 110	P	11/07/2024	20:58	LB133344
	Lead	4840	5000	97	90 - 110	P	11/07/2024	20:58	LB133344
	Nickel	2410	2500	96	90 - 110	P	11/07/2024	20:58	LB133344
	Selenium	5290	5000	106	90 - 110	P	11/07/2024	20:58	LB133344
	Silver	1250	1250	100	90 - 110	P	11/07/2024	20:58	LB133344
	Zinc	2530	2500	101	90 - 110	P	11/07/2024	20:58	LB133344
CCV09	Arsenic	5030	5000	100	90 - 110	P	11/07/2024	21:51	LB133344
	Barium	9510	10000	95	90 - 110	P	11/07/2024	21:51	LB133344
	Cadmium	2390	2500	95	90 - 110	P	11/07/2024	21:51	LB133344
	Chromium	966	1000	97	90 - 110	P	11/07/2024	21:51	LB133344
	Copper	1250	1250	100	90 - 110	P	11/07/2024	21:51	LB133344
	Lead	4780	5000	96	90 - 110	P	11/07/2024	21:51	LB133344
	Nickel	2380	2500	95	90 - 110	P	11/07/2024	21:51	LB133344
	Selenium	5170	5000	103	90 - 110	P	11/07/2024	21:51	LB133344
	Silver	1210	1250	97	90 - 110	P	11/07/2024	21:51	LB133344
	Zinc	2670	2500	107	90 - 110	P	11/07/2024	21:51	LB133344
CCV10	Arsenic	5000	5000	100	90 - 110	P	11/07/2024	22:52	LB133344
	Barium	9460	10000	95	90 - 110	P	11/07/2024	22:52	LB133344
	Cadmium	2340	2500	94	90 - 110	P	11/07/2024	22:52	LB133344
	Chromium	963	1000	96	90 - 110	P	11/07/2024	22:52	LB133344
	Copper	1240	1250	99	90 - 110	P	11/07/2024	22:52	LB133344
	Lead	4710	5000	94	90 - 110	P	11/07/2024	22:52	LB133344
	Nickel	2340	2500	94	90 - 110	P	11/07/2024	22:52	LB133344
	Selenium	5160	5000	103	90 - 110	P	11/07/2024	22:52	LB133344
	Silver	1220	1250	98	90 - 110	P	11/07/2024	22:52	LB133344
	Zinc	2400	2500	96	90 - 110	P	11/07/2024	22:52	LB133344
CCV11	Arsenic	5020	5000	100	90 - 110	P	11/07/2024	23:43	LB133344
	Barium	9690	10000	97	90 - 110	P	11/07/2024	23:43	LB133344

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: ENTACT **SDG No.:** P4660
Contract: ENTA05 **Lab Code:** CHEM **Case No.:** P4660 **SAS No.:** P4660
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV11	Cadmium	2390	2500	96	90 - 110	P	11/07/2024	23:43	LB133344
	Chromium	962	1000	96	90 - 110	P	11/07/2024	23:43	LB133344
	Copper	1250	1250	100	90 - 110	P	11/07/2024	23:43	LB133344
	Lead	4800	5000	96	90 - 110	P	11/07/2024	23:43	LB133344
	Nickel	2390	2500	95	90 - 110	P	11/07/2024	23:43	LB133344
	Selenium	5160	5000	103	90 - 110	P	11/07/2024	23:43	LB133344
	Silver	1210	1250	97	90 - 110	P	11/07/2024	23:43	LB133344
	Zinc	2430	2500	97	90 - 110	P	11/07/2024	23:43	LB133344
CCV12	Arsenic	5150	5000	103	90 - 110	P	11/08/2024	00:39	LB133344
	Barium	9830	10000	98	90 - 110	P	11/08/2024	00:39	LB133344
	Cadmium	2390	2500	96	90 - 110	P	11/08/2024	00:39	LB133344
	Chromium	965	1000	96	90 - 110	P	11/08/2024	00:39	LB133344
	Copper	1280	1250	102	90 - 110	P	11/08/2024	00:39	LB133344
	Lead	4820	5000	96	90 - 110	P	11/08/2024	00:39	LB133344
	Nickel	2390	2500	96	90 - 110	P	11/08/2024	00:39	LB133344
	Selenium	5340	5000	107	90 - 110	P	11/08/2024	00:39	LB133344
CCV13	Silver	1230	1250	98	90 - 110	P	11/08/2024	00:39	LB133344
	Zinc	2380	2500	95	90 - 110	P	11/08/2024	00:39	LB133344
	Arsenic	5160	5000	103	90 - 110	P	11/08/2024	00:57	LB133344
	Barium	9650	10000	96	90 - 110	P	11/08/2024	00:57	LB133344
	Cadmium	2420	2500	97	90 - 110	P	11/08/2024	00:57	LB133344
	Chromium	980	1000	98	90 - 110	P	11/08/2024	00:57	LB133344
	Copper	1290	1250	103	90 - 110	P	11/08/2024	00:57	LB133344
	Lead	4870	5000	97	90 - 110	P	11/08/2024	00:57	LB133344
	Nickel	2420	2500	97	90 - 110	P	11/08/2024	00:57	LB133344
	Selenium	5340	5000	107	90 - 110	P	11/08/2024	00:57	LB133344
	Silver	1230	1250	99	90 - 110	P	11/08/2024	00:57	LB133344
	Zinc	2470	2500	99	90 - 110	P	11/08/2024	00:57	LB133344



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client:	ENTACT				SDG No.:	P4660				
Contract:	ENTA05	Lab Code:	CHEM		Case No.:	P4660	SAS No.:	P4660		
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number	
ICB69	Mercury	0.20	+/-0.20	U	0.20	CV	11/05/2024	12:00	LB133297	

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: ENTACT **SDG No.:** P4660
Contract: ENTA05 **Lab Code:** CHEM **Case No.:** P4660 **SAS No.:** P4660

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB26	Mercury	0.20	+/-0.20	U	0.20	CV	11/05/2024	12:05	LB133297
CCB27	Mercury	0.20	+/-0.20	U	0.20	CV	11/05/2024	12:32	LB133297
CCB28	Mercury	0.20	+/-0.20	U	0.20	CV	11/05/2024	12:59	LB133297
CCB29	Mercury	0.20	+/-0.20	U	0.20	CV	11/05/2024	13:34	LB133297
CCB30	Mercury	0.20	+/-0.20	U	0.20	CV	11/05/2024	14:11	LB133297
CCB31	Mercury	0.20	+/-0.20	U	0.20	CV	11/05/2024	14:31	LB133297
CCB32	Mercury	0.20	+/-0.20	U	0.20	CV	11/05/2024	14:45	LB133297

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: ENTACT **SDG No.:** P4660
Contract: ENTA05 **Lab Code:** CHEM **Case No.:** P4660 **SAS No.:** P4660

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Arsenic	20.0	+/-20.0	U	20.0	P	11/07/2024	14:38	LB133344
	Barium	100	+/-100	U	100	P	11/07/2024	14:38	LB133344
	Cadmium	6.00	+/-6.00	U	6.00	P	11/07/2024	14:38	LB133344
	Chromium	10.0	+/-10.0	U	10.0	P	11/07/2024	14:38	LB133344
	Copper	20.0	+/-20.0	U	20.0	P	11/07/2024	14:38	LB133344
	Lead	12.0	+/-12.0	U	12.0	P	11/07/2024	14:38	LB133344
	Nickel	40.0	+/-40.0	U	40.0	P	11/07/2024	14:38	LB133344
	Selenium	20.0	+/-20.0	U	20.0	P	11/07/2024	14:38	LB133344
	Silver	10.0	+/-10.0	U	10.0	P	11/07/2024	14:38	LB133344
	Zinc	40.0	+/-40.0	U	40.0	P	11/07/2024	14:38	LB133344

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: ENTACT		SDG No.: P4660							
Contract: ENTA05	Lab Code: CHEM	Case No.: P4660	SAS No.: P4660						
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Arsenic	20.0	+/-20.0	U	20.0	P	11/07/2024	15:05	LB133344
	Barium	100	+/-100	U	100	P	11/07/2024	15:05	LB133344
	Cadmium	6.00	+/-6.00	U	6.00	P	11/07/2024	15:05	LB133344
	Chromium	10.0	+/-10.0	U	10.0	P	11/07/2024	15:05	LB133344
	Copper	20.0	+/-20.0	U	20.0	P	11/07/2024	15:05	LB133344
	Lead	12.0	+/-12.0	U	12.0	P	11/07/2024	15:05	LB133344
	Nickel	40.0	+/-40.0	U	40.0	P	11/07/2024	15:05	LB133344
	Selenium	20.0	+/-20.0	U	20.0	P	11/07/2024	15:05	LB133344
	Silver	10.0	+/-10.0	U	10.0	P	11/07/2024	15:05	LB133344
	Zinc	40.0	+/-40.0	U	40.0	P	11/07/2024	15:05	LB133344
CCB02	Arsenic	20.0	+/-20.0	U	20.0	P	11/07/2024	15:58	LB133344
	Barium	100	+/-100	U	100	P	11/07/2024	15:58	LB133344
	Cadmium	6.00	+/-6.00	U	6.00	P	11/07/2024	15:58	LB133344
	Chromium	10.0	+/-10.0	U	10.0	P	11/07/2024	15:58	LB133344
	Copper	20.0	+/-20.0	U	20.0	P	11/07/2024	15:58	LB133344
	Lead	12.0	+/-12.0	U	12.0	P	11/07/2024	15:58	LB133344
	Nickel	40.0	+/-40.0	U	40.0	P	11/07/2024	15:58	LB133344
	Selenium	20.0	+/-20.0	U	20.0	P	11/07/2024	15:58	LB133344
	Silver	10.0	+/-10.0	U	10.0	P	11/07/2024	15:58	LB133344
	Zinc	40.0	+/-40.0	U	40.0	P	11/07/2024	15:58	LB133344
CCB03	Arsenic	20.0	+/-20.0	U	20.0	P	11/07/2024	16:49	LB133344
	Barium	100	+/-100	U	100	P	11/07/2024	16:49	LB133344
	Cadmium	6.00	+/-6.00	U	6.00	P	11/07/2024	16:49	LB133344
	Chromium	10.0	+/-10.0	U	10.0	P	11/07/2024	16:49	LB133344
	Copper	20.0	+/-20.0	U	20.0	P	11/07/2024	16:49	LB133344
	Lead	12.0	+/-12.0	U	12.0	P	11/07/2024	16:49	LB133344
	Nickel	40.0	+/-40.0	U	40.0	P	11/07/2024	16:49	LB133344
	Selenium	20.0	+/-20.0	U	20.0	P	11/07/2024	16:49	LB133344
	Silver	10.0	+/-10.0	U	10.0	P	11/07/2024	16:49	LB133344
	Zinc	40.0	+/-40.0	U	40.0	P	11/07/2024	16:49	LB133344
CCB04	Arsenic	20.0	+/-20.0	U	20.0	P	11/07/2024	18:04	LB133344
	Barium	100	+/-100	U	100	P	11/07/2024	18:04	LB133344
	Cadmium	6.00	+/-6.00	U	6.00	P	11/07/2024	18:04	LB133344
	Chromium	10.0	+/-10.0	U	10.0	P	11/07/2024	18:04	LB133344
	Copper	20.0	+/-20.0	U	20.0	P	11/07/2024	18:04	LB133344
	Lead	12.0	+/-12.0	U	12.0	P	11/07/2024	18:04	LB133344
	Nickel	40.0	+/-40.0	U	40.0	P	11/07/2024	18:04	LB133344
	Selenium	20.0	+/-20.0	U	20.0	P	11/07/2024	18:04	LB133344
	Silver	10.0	+/-10.0	U	10.0	P	11/07/2024	18:04	LB133344

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: ENTACT		SDG No.: P4660							
Contract: ENTA05	Lab Code: CHEM	Case No.: P4660	SAS No.: P4660						
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB04	Zinc	40.0	+/-40.0	U	40.0	P	11/07/2024	18:04	LB133344
CCB05	Arsenic	20.0	+/-20.0	U	20.0	P	11/07/2024	18:37	LB133344
	Barium	100	+/-100	U	100	P	11/07/2024	18:37	LB133344
	Cadmium	6.00	+/-6.00	U	6.00	P	11/07/2024	18:37	LB133344
	Chromium	10.0	+/-10.0	U	10.0	P	11/07/2024	18:37	LB133344
	Copper	20.0	+/-20.0	U	20.0	P	11/07/2024	18:37	LB133344
	Lead	12.0	+/-12.0	U	12.0	P	11/07/2024	18:37	LB133344
	Nickel	40.0	+/-40.0	U	40.0	P	11/07/2024	18:37	LB133344
	Selenium	20.0	+/-20.0	U	20.0	P	11/07/2024	18:37	LB133344
	Silver	10.0	+/-10.0	U	10.0	P	11/07/2024	18:37	LB133344
	Zinc	40.0	+/-40.0	U	40.0	P	11/07/2024	18:37	LB133344
CCB06	Arsenic	20.0	+/-20.0	U	20.0	P	11/07/2024	19:12	LB133344
	Barium	100	+/-100	U	100	P	11/07/2024	19:12	LB133344
	Cadmium	6.00	+/-6.00	U	6.00	P	11/07/2024	19:12	LB133344
	Chromium	10.0	+/-10.0	U	10.0	P	11/07/2024	19:12	LB133344
	Copper	20.0	+/-20.0	U	20.0	P	11/07/2024	19:12	LB133344
	Lead	12.0	+/-12.0	U	12.0	P	11/07/2024	19:12	LB133344
	Nickel	40.0	+/-40.0	U	40.0	P	11/07/2024	19:12	LB133344
	Selenium	20.0	+/-20.0	U	20.0	P	11/07/2024	19:12	LB133344
	Silver	10.0	+/-10.0	U	10.0	P	11/07/2024	19:12	LB133344
	Zinc	40.0	+/-40.0	U	40.0	P	11/07/2024	19:12	LB133344
CCB07	Arsenic	20.0	+/-20.0	U	20.0	P	11/07/2024	20:02	LB133344
	Barium	100	+/-100	U	100	P	11/07/2024	20:02	LB133344
	Cadmium	6.00	+/-6.00	U	6.00	P	11/07/2024	20:02	LB133344
	Chromium	10.0	+/-10.0	U	10.0	P	11/07/2024	20:02	LB133344
	Copper	20.0	+/-20.0	U	20.0	P	11/07/2024	20:02	LB133344
	Lead	12.0	+/-12.0	U	12.0	P	11/07/2024	20:02	LB133344
	Nickel	40.0	+/-40.0	U	40.0	P	11/07/2024	20:02	LB133344
	Selenium	20.0	+/-20.0	U	20.0	P	11/07/2024	20:02	LB133344
	Silver	10.0	+/-10.0	U	10.0	P	11/07/2024	20:02	LB133344
	Zinc	40.0	+/-40.0	U	40.0	P	11/07/2024	20:02	LB133344
CCB08	Arsenic	20.0	+/-20.0	U	20.0	P	11/07/2024	21:02	LB133344
	Barium	100	+/-100	U	100	P	11/07/2024	21:02	LB133344
	Cadmium	6.00	+/-6.00	U	6.00	P	11/07/2024	21:02	LB133344
	Chromium	10.0	+/-10.0	U	10.0	P	11/07/2024	21:02	LB133344
	Copper	20.0	+/-20.0	U	20.0	P	11/07/2024	21:02	LB133344
	Lead	12.0	+/-12.0	U	12.0	P	11/07/2024	21:02	LB133344
	Nickel	40.0	+/-40.0	U	40.0	P	11/07/2024	21:02	LB133344
	Selenium	20.0	+/-20.0	U	20.0	P	11/07/2024	21:02	LB133344

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: ENTACT		SDG No.: P4660							
Contract: ENTA05	Lab Code: CHEM	Case No.: P4660	SAS No.: P4660						
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB08	Silver	10.0	+/-10.0	U	10.0	P	11/07/2024	21:02	LB133344
	Zinc	40.0	+/-40.0	U	40.0	P	11/07/2024	21:02	LB133344
CCB09	Arsenic	20.0	+/-20.0	U	20.0	P	11/07/2024	21:55	LB133344
	Barium	100	+/-100	U	100	P	11/07/2024	21:55	LB133344
	Cadmium	6.00	+/-6.00	U	6.00	P	11/07/2024	21:55	LB133344
	Chromium	10.0	+/-10.0	U	10.0	P	11/07/2024	21:55	LB133344
	Copper	20.0	+/-20.0	U	20.0	P	11/07/2024	21:55	LB133344
	Lead	12.0	+/-12.0	U	12.0	P	11/07/2024	21:55	LB133344
	Nickel	40.0	+/-40.0	U	40.0	P	11/07/2024	21:55	LB133344
	Selenium	20.0	+/-20.0	U	20.0	P	11/07/2024	21:55	LB133344
	Silver	10.0	+/-10.0	U	10.0	P	11/07/2024	21:55	LB133344
	Zinc	40.0	+/-40.0	U	40.0	P	11/07/2024	21:55	LB133344
CCB10	Arsenic	20.0	+/-20.0	U	20.0	P	11/07/2024	22:56	LB133344
	Barium	100	+/-100	U	100	P	11/07/2024	22:56	LB133344
	Cadmium	6.00	+/-6.00	U	6.00	P	11/07/2024	22:56	LB133344
	Chromium	10.0	+/-10.0	U	10.0	P	11/07/2024	22:56	LB133344
	Copper	20.0	+/-20.0	U	20.0	P	11/07/2024	22:56	LB133344
	Lead	12.0	+/-12.0	U	12.0	P	11/07/2024	22:56	LB133344
	Nickel	40.0	+/-40.0	U	40.0	P	11/07/2024	22:56	LB133344
	Selenium	20.0	+/-20.0	U	20.0	P	11/07/2024	22:56	LB133344
	Silver	10.0	+/-10.0	U	10.0	P	11/07/2024	22:56	LB133344
	Zinc	40.0	+/-40.0	U	40.0	P	11/07/2024	22:56	LB133344
CCB11	Arsenic	20.0	+/-20.0	U	20.0	P	11/07/2024	23:47	LB133344
	Barium	100	+/-100	U	100	P	11/07/2024	23:47	LB133344
	Cadmium	6.00	+/-6.00	U	6.00	P	11/07/2024	23:47	LB133344
	Chromium	10.0	+/-10.0	U	10.0	P	11/07/2024	23:47	LB133344
	Copper	20.0	+/-20.0	U	20.0	P	11/07/2024	23:47	LB133344
	Lead	12.0	+/-12.0	U	12.0	P	11/07/2024	23:47	LB133344
	Nickel	40.0	+/-40.0	U	40.0	P	11/07/2024	23:47	LB133344
	Selenium	20.0	+/-20.0	U	20.0	P	11/07/2024	23:47	LB133344
	Silver	10.0	+/-10.0	U	10.0	P	11/07/2024	23:47	LB133344
	Zinc	40.0	+/-40.0	U	40.0	P	11/07/2024	23:47	LB133344
CCB12	Arsenic	20.0	+/-20.0	U	20.0	P	11/08/2024	00:43	LB133344
	Barium	100	+/-100	U	100	P	11/08/2024	00:43	LB133344
	Cadmium	6.00	+/-6.00	U	6.00	P	11/08/2024	00:43	LB133344
	Chromium	10.0	+/-10.0	U	10.0	P	11/08/2024	00:43	LB133344
	Copper	20.0	+/-20.0	U	20.0	P	11/08/2024	00:43	LB133344
	Lead	12.0	+/-12.0	U	12.0	P	11/08/2024	00:43	LB133344
	Nickel	40.0	+/-40.0	U	40.0	P	11/08/2024	00:43	LB133344

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: ENTACT		SDG No.: P4660							
Contract:	ENTA05	Lab Code:	CHEM	Case No.:	P4660	SAS No.:	P4660		
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB12	Selenium	20.0	+/-20.0	U	20.0	P	11/08/2024	00:43	LB133344
	Silver	10.0	+/-10.0	U	10.0	P	11/08/2024	00:43	LB133344
	Zinc	40.0	+/-40.0	U	40.0	P	11/08/2024	00:43	LB133344
CCB13	Arsenic	20.0	+/-20.0	U	20.0	P	11/08/2024	01:01	LB133344
	Barium	100	+/-100	U	100	P	11/08/2024	01:01	LB133344
	Cadmium	6.00	+/-6.00	U	6.00	P	11/08/2024	01:01	LB133344
	Chromium	10.0	+/-10.0	U	10.0	P	11/08/2024	01:01	LB133344
	Copper	20.0	+/-20.0	U	20.0	P	11/08/2024	01:01	LB133344
	Lead	12.0	+/-12.0	U	12.0	P	11/08/2024	01:01	LB133344
	Nickel	40.0	+/-40.0	U	40.0	P	11/08/2024	01:01	LB133344
	Selenium	20.0	+/-20.0	U	20.0	P	11/08/2024	01:01	LB133344
	Silver	10.0	+/-10.0	U	10.0	P	11/08/2024	01:01	LB133344
	Zinc	40.0	+/-40.0	U	40.0	P	11/08/2024	01:01	LB133344

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: ENTACT

SDG No.: P4660

Instrument: CV1

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB164560TB		WATER		Batch Number:	PB164660		Prep Date:	11/04/2024	
	Mercury	2.00	<2.00	U	2.00	CV	11/05/2024	14:26	LB133297
Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB164660BL		WATER		Batch Number:	PB164660		Prep Date:	11/04/2024	
	Mercury	0.20	<0.20	U	0.20	CV	11/05/2024	12:14	LB133297

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: ENTACT

SDG No.: P4660

Instrument: P4

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB164560TB		WATER		Batch Number:	PB164665		Prep Date:	11/04/2024	
	Arsenic	100	<100	U	100	P	11/07/2024	16:36	LB133344
	Barium	500	<500	U	500	P	11/07/2024	16:36	LB133344
	Cadmium	30.0	<30.0	U	30.0	P	11/07/2024	16:36	LB133344
	Chromium	50.0	<50.0	U	50.0	P	11/07/2024	16:36	LB133344
	Copper	100	<100	U	100	P	11/07/2024	16:36	LB133344
	Lead	60.0	<60.0	U	60.0	P	11/07/2024	16:36	LB133344
	Nickel	200	<200	U	200	P	11/07/2024	16:36	LB133344
	Selenium	100	<100	U	100	P	11/07/2024	16:36	LB133344
	Silver	50.0	<50.0	U	50.0	P	11/07/2024	16:36	LB133344
	Zinc	200	<200	U	200	P	11/07/2024	16:36	LB133344
Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB164665BL		WATER		Batch Number:	PB164665		Prep Date:	11/04/2024	
	Arsenic	100	<100	U	100	P	11/07/2024	16:41	LB133344
	Barium	500	<500	U	500	P	11/07/2024	16:41	LB133344
	Cadmium	30.0	<30.0	U	30.0	P	11/07/2024	16:41	LB133344
	Chromium	50.0	<50.0	U	50.0	P	11/07/2024	16:41	LB133344
	Copper	100	<100	U	100	P	11/07/2024	16:41	LB133344
	Lead	60.0	<60.0	U	60.0	P	11/07/2024	16:41	LB133344
	Nickel	200	<200	U	200	P	11/07/2024	16:41	LB133344
	Selenium	100	<100	U	100	P	11/07/2024	16:41	LB133344
	Silver	50.0	<50.0	U	50.0	P	11/07/2024	16:41	LB133344
	Zinc	200	<200	U	200	P	11/07/2024	16:41	LB133344

Metals
- 4 -
INTERFERENCE CHECK SAMPLE

Client: <u>ENTACT</u>	SDG No.: <u>P4660</u>			
Contract: <u>ENTA05</u>	Lab Code: <u>CHEM</u>	Case No.: <u>P4660</u>	SAS No.: <u>P4660</u>	
ICS Source: <u>EPA</u>	Instrument ID: <u>P4</u>			

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSA01	Arsenic	4.03			-20	20	11/07/2024	14:47	LB133344
	Barium	1.97	6.0	33	-94	106	11/07/2024	14:47	LB133344
	Cadmium	6.27	1.0	627	-5	7	11/07/2024	14:47	LB133344
	Chromium	54.7	52.0	105	42	62	11/07/2024	14:47	LB133344
	Copper	6.59	2.0	330	-18	22	11/07/2024	14:47	LB133344
	Lead	8.91			-12	12	11/07/2024	14:47	LB133344
	Nickel	2.14	2.0	107	-38	42	11/07/2024	14:47	LB133344
	Selenium	-18.3			-20	20	11/07/2024	14:47	LB133344
	Silver	0.85			-10	10	11/07/2024	14:47	LB133344
	Zinc	6.19			-40	40	11/07/2024	14:47	LB133344
ICSAB01	Arsenic	116	104	112	88.4	120	11/07/2024	14:51	LB133344
	Barium	504	537	94	437	637	11/07/2024	14:51	LB133344
	Cadmium	999	972	103	826	1120	11/07/2024	14:51	LB133344
	Chromium	556	542	103	460	624	11/07/2024	14:51	LB133344
	Copper	493	511	96	434	588	11/07/2024	14:51	LB133344
	Lead	56.6	49.0	116	37	61	11/07/2024	14:51	LB133344
	Nickel	991	954	104	810	1100	11/07/2024	14:51	LB133344
	Selenium	32.9	46.0	72	26	66	11/07/2024	14:51	LB133344
	Silver	201	201	100	170	232	11/07/2024	14:51	LB133344
	Zinc	835	952	88	809	1095	11/07/2024	14:51	LB133344



METAL QC DATA

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metals
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MATRIX SPIKE SUMMARY

client: <u>ENTACT</u>	level: <u>low</u>	sdg no.: <u>P4660</u>
contract: <u>ENTA05</u>	lab code: <u>CHEM</u>	case no.: <u>P4660</u> sas no.: <u>P4660</u>
matrix: <u>Water</u>	sample id: <u>P4684-01</u>	client id: <u>MECHANIC-ST-SWEEPINGSMS</u>
Percent Solids for Sample: <u>NA</u>	Spiked ID: <u>P4684-01MS</u>	Percent Solids for Spike Sample: <u>NA</u>

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Arsenic	ug/L	75 - 125	4340		100	U	4000	108		P
Barium	ug/L	75 - 125	5410		4480		1000	93		P
Cadmium	ug/L	75 - 125	3830		2970		1000	86		P
Chromium	ug/L	75 - 125	2070		129		2000	97		P
Copper	ug/L	75 - 125	1960		505		1500	97		P
Lead	ug/L	75 - 125	9230		4900		5000	87		P
Mercury	ug/L	75 - 125	46.1		2.00	U	40.0	115		CV
Nickel	ug/L	75 - 125	2410		59.2	J	2500	94		P
Selenium	ug/L	75 - 125	10500		100	U	10000	105		P
Silver	ug/L	75 - 125	383		50.0	U	380	101		P
Zinc	ug/L	75 - 125	103000		103000		1000	-1		P

metals
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MATRIX SPIKE DUPLICATE SUMMARY

client: <u>ENTACT</u>	level: <u>low</u>	sdg no.: <u>P4660</u>
contract: <u>ENTA05</u>	lab code: <u>CHEM</u>	case no.: <u>P4660</u> sas no.: <u>P4660</u>
matrix: <u>Water</u>	sample id: <u>P4684-01</u>	client id: <u>MECHANIC-ST-SWEEPINGSMSD</u>
Percent Solids for Sample: <u>NA</u>	Spiked ID: <u>P4684-01MSD</u>	Percent Solids for Spike Sample: <u>NA</u>

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Arsenic	ug/L	75 - 125	4380		100	U	4000	110		P
Barium	ug/L	75 - 125	5420		4480		1000	94		P
Cadmium	ug/L	75 - 125	3830		2970		1000	86		P
Chromium	ug/L	75 - 125	2080		129		2000	98		P
Copper	ug/L	75 - 125	1960		505		1500	97		P
Lead	ug/L	75 - 125	9240		4900		5000	87		P
Mercury	ug/L	75 - 125	42.3		2.00	U	40.0	106		CV
Nickel	ug/L	75 - 125	2430		59.2	J	2500	95		P
Selenium	ug/L	75 - 125	10600		100	U	10000	106		P
Silver	ug/L	75 - 125	382		50.0	U	380	100		P
Zinc	ug/L	75 - 125	101000		103000		1000	-249		P

Metals
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Client: ENTACTSDG No.: P4660

Contract: ENTA05Lab Code: CHEMCase No.: P4660SAS No.: P4660

Matrix:Level: LOWClient ID:

Sample ID:Spiked ID:

Analyte	Units	Acceptance Limit %R	C	Sample Result	C	Spike Added	% Recovery	Qual	M
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Metals

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DUPLICATE SAMPLE SUMMARY

Client: ENTACT **Level:** LOW **SDG No.:** P4660
Contract: ENTA05 **Lab Code:** CHEM **Case No.:** P4660 **SAS No.:** P4660
Matrix: Water **Sample ID:** P4684-01 **Client ID:** MECHANIC-ST-SWEEPINGS
Percent Solids for Sample: NA **Duplicate ID** P4684-01DUP **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Arsenic	ug/L	20	100	U	100	U			P
Barium	ug/L	20	4480		4410		2		P
Cadmium	ug/L	20	2970		2960		0		P
Chromium	ug/L	20	129		128		1		P
Copper	ug/L	20	505		504		0		P
Lead	ug/L	20	4900		4890		0		P
Mercury	ug/L	20	2.00	U	2.00	U			CV
Nickel	ug/L	20	59.2	J	57.6	J	3		P
Selenium	ug/L	20	100	U	100	U			P
Silver	ug/L	20	50.0	U	50.0	U			P
Zinc	ug/L	20	103000		103000		0		P

“A control limit of $\pm 20\%$ RPD for each matrix applies for sample values greater than 10 times Detection Limit”

Metals

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DUPLICATE SAMPLE SUMMARY

Client: ENTACT **Level:** LOW **SDG No.:** P4660
Contract: ENTA05 **Lab Code:** CHEM **Case No.:** P4660 **SAS No.:** P4660
Matrix: Water **Sample ID:** P4684-01MS **Client ID:** MECHANIC-ST-SWEEPINGSMSD
Percent Solids for Sample: NA **Duplicate ID** P4684-01MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Arsenic	ug/L	20	4340		4380		1		P
Barium	ug/L	20	5410		5420		0		P
Cadmium	ug/L	20	3830		3830		0		P
Chromium	ug/L	20	2070		2080		0		P
Copper	ug/L	20	1960		1960		0		P
Lead	ug/L	20	9230		9240		0		P
Mercury	ug/L	20	46.1		42.3		9		CV
Nickel	ug/L	20	2410		2430		1		P
Selenium	ug/L	20	10500		10600		1		P
Silver	ug/L	20	383		382		0		P
Zinc	ug/L	20	103000		101000		2		P

“A control limit of $\pm 20\%$ RPD for each matrix applies for sample values greater than 10 times Detection Limit”

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LABORATORY CONTROL SAMPLE SUMMARY

Client: ENTACT **SDG No.:** P4660
Contract: ENTA05 **Lab Code:** CHEM **Case No.:** P4660 **SAS No.:** P4660

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB164660BS Mercury	ug/L	4.0	3.94		98	80 - 120	CV

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LABORATORY CONTROL SAMPLE SUMMARY

Client: ENTACT **SDG No.:** P4660
Contract: ENTA05 **Lab Code:** CHEM **Case No.:** P4660 **SAS No.:** P4660

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB164665BS							
Arsenic	ug/L	4000	4120		103	80 - 120	P
Barium	ug/L	1000	970		97	80 - 120	P
Cadmium	ug/L	1000	963		96	80 - 120	P
Chromium	ug/L	2000	2010		100	80 - 120	P
Copper	ug/L	1500	1590		106	80 - 120	P
Lead	ug/L	5000	4920		98	80 - 120	P
Nickel	ug/L	2500	2460		98	80 - 120	P
Selenium	ug/L	10000	10400		104	80 - 120	P
Silver	ug/L	380	378		100	80 - 120	P
Zinc	ug/L	1000	1000		100	80 - 120	P

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ICP SERIAL DILUTIONS

SAMPLE NO.

MECHANIC-ST-SWEEPINGSL

Lab Name: Chemtech Consulting Group

Contract: ENTA05

Lab Code: CHEM Lb No.: lb133344 Lab Sample ID : P4684-01L SDG No.: P4660

Matrix (soil/water): Water Level (low/med): LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)		Serial Dilution Result (S)		% Differ- ence	Q	M
		C		C			
Arsenic	100	U	500	U			P
Barium	4480		4340		3		P
Cadmium	2970		3050		2		P
Chromium	129		134	J	3		P
Copper	505		531		5		P
Lead	4900		5220		7		P
Mercury	2.00	U	10.0	U			CV
Nickel	59.2	J	62.7	J	6		P
Selenium	100	U	500	U			P
Silver	50.0	U	250	U			P
Zinc	103000		152000		47		P



METAL PREPARATION & INSTRUMENT DATA

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Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: ENTACT

SDG No.: P4660

Contract: ENTA05

Lab Code: CHEM

Case No.: P4660

SAS No.: P4660

Instrument ID: _____

Date: _____

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interelement Correction Factors For:				
		Al	Ca	Fe	Mg	Ag
Arsenic	193.759	0.0000000	0.0000000	-0.0000440	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000930	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0007850	0.0000000	0.0000000
Lead	220.353	-0.0000920	0.0000000	0.0000380	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	-0.0001440	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	-0.0001490	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0001050	0.0000000	0.0000000

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: ENTACT

SDG No.: P4660

Contract: ENTA05

Lab Code: CHEM

Case No.: P4660

SAS No.: P4660

Instrument ID:

Date: _____

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interelement Correction Factors For:				
		As	Ba	Be	Cd	Co
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0002870
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0000000	0.0000000	0.0009530
Lead	220.353	0.0000000	0.0003170	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	-0.0003570
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: ENTACT

SDG No.: P4660

Contract: ENTA05

Lab Code: CHEM

Case No.: P4660

SAS No.: P4660

Instrument ID: _____

Date: _____

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interelement Correction Factors For:				
		Cr	Cu	K	Mn	Mo
Arsenic	193.759	-0.0029000	0.0000000	0.0000000	0.0000000	0.0004900
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000070	0.0002200	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0000000	0.0006510	0.0020500
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0001400	-0.0008600
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0007460	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000120
Zinc	213.800	0.0000000	0.0009010	0.0000000	0.0000000	0.0000000

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: ENTACT

SDG No.: P4660

Contract: ENTA05

Lab Code: CHEM

Case No.: P4660

SAS No.: P4660

Instrument ID: _____

Date: _____

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interelement Correction Factors For:				
		Na	Ni	Pb	Sb	Se
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	-0.0047000	0.0036100	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0006580	0.0000000	0.0000000	0.0001290
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0003330	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0067600	0.0000000	0.0000000	0.0000000

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: ENTACT

SDG No.: P4660

Contract: ENTA05

Lab Code: CHEM

Case No.: P4660

SAS No.: P4660

Instrument ID: _____

Date: _____

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interelement Correction Factors For:				
		Sn	Ti	Tl	V	Zn
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000630	0.0001280	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0001110	0.0000000
Copper	224.700	0.0000000	0.0003840	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	-0.0003610	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	-0.0007420	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000



METAL PREPARATION & ANALYICAL SUMMARY

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SAMPLE PREPARATION SUMMARY

Client: ENTACT **SDG No.:** P4660
Contract: ENTA05 **Lab Code:** CHEM **Method:**
Case No.: P4660 **SAS No.:** P4660

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number: PB164660							
P4660-03	WC-TA2-01-C	SAM	WATER	11/04/2024	3.0	30.0	
P4660-07	WC-WOOD-01-C	SAM	WATER	11/04/2024	3.0	30.0	
P4660-11	WC-CONCRETE-01-C	SAM	WATER	11/04/2024	3.0	30.0	
P4684-01DUP	MECHANIC-ST-SWEEPINGS	DUP	WATER	11/04/2024	3.0	30.0	
P4684-01MS	MECHANIC-ST-SWEEPINGS	MS	WATER	11/04/2024	3.0	30.0	
P4684-01MSD	MECHANIC-ST-SWEEPINGS	MSD	WATER	11/04/2024	3.0	30.0	
PB164560TB	PB164560TB	MB	WATER	11/04/2024	3.0	30.0	
PB164660BL	PB164660BL	MB	WATER	11/04/2024	30.0	30.0	
PB164660BS	PB164660BS	LCS	WATER	11/04/2024	30.0	30.0	

Metals
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SAMPLE PREPARATION SUMMARY

Client:	<u>ENTACT</u>	SDG No.:	<u>P4660</u>
Contract:	<u>ENTA05</u>	Lab Code:	<u>CHEM</u>
		Method:	<u></u>
		Case No.:	<u>P4660</u>
		SAS No.:	<u>P4660</u>

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number: PB164665							
P4660-03	WC-TA2-01-C	SAM	WATER	11/04/2024	5.0	25.0	
P4660-07	WC-WOOD-01-C	SAM	WATER	11/04/2024	5.0	25.0	
P4660-11	WC-CONCRETE-01-C	SAM	WATER	11/04/2024	5.0	25.0	
P4684-01DUP	MECHANIC-ST-SWEEPINGS	DUP	WATER	11/04/2024	5.0	25.0	
P4684-01MS	MECHANIC-ST-SWEEPINGS	MS	WATER	11/04/2024	5.0	25.0	
P4684-01MSD	MECHANIC-ST-SWEEPINGS	MSD	WATER	11/04/2024	5.0	25.0	
PB164560TB	PB164560TB	MB	WATER	11/04/2024	5.0	25.0	
PB164665BL	PB164665BL	MB	WATER	11/04/2024	5.0	25.0	
PB164665BS	PB164665BS	LCS	WATER	11/04/2024	5.0	25.0	

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ANALYSIS RUN LOG

Client: ENTACT **Contract:** ENTA05

Lab code: CHEM **Case no.:** P4660 **Sas no.:** P4660 **Sdg no.:** P4660

Instrument id number: **Method:** **Run number:** LB133297

Start date: 11/05/2024 **End date:** 11/05/2024

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1133	HG
S0.2	S0.2	1	1136	HG
S2.5	S2.5	1	1138	HG
S5	S5	1	1140	HG
S7.5	S7.5	1	1142	HG
S10	S10	1	1155	HG
ICV69	ICV69	1	1158	HG
ICB69	ICB69	1	1200	HG
CCV26	CCV26	1	1203	HG
CCB26	CCB26	1	1205	HG
CRA	CRA	1	1207	HG
PB164660BL	PB164660BL	1	1214	HG
PB164660BS	PB164660BS	1	1216	HG
CCV27	CCV27	1	1230	HG
CCB27	CCB27	1	1232	HG
P4660-03	WC-TA2-01-C	1	1237	HG
P4660-07	WC-WOOD-01-C	1	1239	HG
P4660-11	WC-CONCRETE-01-C	1	1241	HG
CCV28	CCV28	1	1257	HG
CCB28	CCB28	1	1259	HG
P4684-01DUP	MECHANIC-ST-SWEEPINGSE	1	1308	HG
P4684-01MS	MECHANIC-ST-SWEEPINGSM	1	1311	HG
P4684-01MSD	MECHANIC-ST-SWEEPINGSM	1	1313	HG
CCV29	CCV29	1	1332	HG
CCB29	CCB29	1	1334	HG
CCV30	CCV30	1	1408	HG
CCB30	CCB30	1	1411	HG
PB164560TB	PB164560TB	1	1426	HG
CCV31	CCV31	1	1429	HG
CCB31	CCB31	1	1431	HG
P4684-01L	MECHANIC-ST-SWEEPINGSL	5	1433	HG
CCV32	CCV32	1	1442	HG
CCB32	CCB32	1	1445	HG

metals
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ANALYSIS RUN LOG

Client: ENTACT **Contract:** ENTA05

Lab code: CHEM **Case no.:** P4660 **Sas no.:** P4660 **Sdg no.:** P4660

Instrument id number: **Method:** **Run number:** LB133344

Start date: 11/07/2024 **End date:** 11/08/2024

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1323	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
S1	S1	1	1328	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
S2	S2	1	1332	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
S3	S3	1	1336	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
S4	S4	1	1340	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
S5	S5	1	1345	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
ICV01	ICV01	1	1349	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
LLICV01	LLICV01	1	1423	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
ICB01	ICB01	1	1438	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
CRI01	CRI01	1	1442	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
ICSA01	ICSA01	1	1447	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
ICSAB01	ICSAB01	1	1451	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCV01	CCV01	1	1501	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCB01	CCB01	1	1505	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
P4660-03	WC-TA2-01-C	1	1518	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
P4660-07	WC-WOOD-01-C	1	1522	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
P4660-11	WC-CONCRETE-01-C	1	1527	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCV02	CCV02	1	1553	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCB02	CCB02	1	1558	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
P4684-01DUP	MECHANIC-ST-SWEEPINGSE	1	1615	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
P4684-01L	MECHANIC-ST-SWEEPINGSLS	5	1620	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
P4684-01MS	MECHANIC-ST-SWEEPINGSMS	1	1624	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
P4684-01MSD	MECHANIC-ST-SWEEPINGSMS	1	1628	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
PB164560TB	PB164560TB	1	1636	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
PB164665BL	PB164665BL	1	1641	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCV03	CCV03	1	1645	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCB03	CCB03	1	1649	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
PB164665BS	PB164665BS	1	1654	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCV04	CCV04	1	1756	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCB04	CCB04	1	1804	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCV05	CCV05	1	1832	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCB05	CCB05	1	1837	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCV06	CCV06	1	1908	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCB06	CCB06	1	1912	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCV07	CCV07	1	1958	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCB07	CCB07	1	2002	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCV08	CCV08	1	2058	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCB08	CCB08	1	2102	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCV09	CCV09	1	2151	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCB09	CCB09	1	2155	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCV10	CCV10	1	2252	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn

metals
- 14 -
ANALYSIS RUN LOG

Client: ENTACT **Contract:** ENTA05

Lab code: CHEM **Case no.:** P4660 **Sas no.:** P4660 **Sdg no.:** P4660

Instrument id number: **Method:** **Run number:** LB133344

Start date: 11/07/2024 **End date:** 11/08/2024

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
CCB10	CCB10	1	2256	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCV11	CCV11	1	2343	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCB11	CCB11	1	2347	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCV12	CCV12	1	0039	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCB12	CCB12	1	0043	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCV13	CCV13	1	0057	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCB13	CCB13	1	0101	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn

A

B

C

D

E

F

G

H

LAB CHRONICLE

OrderID:	P4660	OrderDate:	10/31/2024 2:38:00 PM
Client:	ENTACT	Project:	540 Degraw St, Brooklyn, NY - E9309
Contact:	Jarod Stanfield	Location:	K41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4660-02	WC-TA2-01-C	SOIL			10/30/24 13:30			10/31/24
			Oil and Grease	9071B			11/04/24 12:30	
			Paint Filter	9095B			11/01/24 13:55	
			pH	9045D			11/03/24 09:47	
			TS	SM2540 B			11/04/24 11:00	
			TVS	160.4			11/04/24 17:00	
P4660-03	WC-TA2-01-C	SOIL			10/30/24 13:30			10/31/24
			Corrosivity	9045D			11/04/24 09:50	
			Ignitability	1030			11/01/24 15:37	
			Reactive Cyanide	9012B		11/04/24	11/04/24 14:19	
			Reactive Sulfide	9034		11/04/24	11/04/24 16:18	
P4660-04	WC-TA2-01-C	WATER			10/30/24 13:30			10/31/24
			ASTM Ammonia	SM4500-NH3		11/04/24	11/05/24 09:59	
			ASTM COD	SM5220 D			11/05/24 13:02	
			ASTM Oil and Grease	1664A			11/04/24 12:00	

LAB CHRONICLE

P4660-06	WC-WOOD-01-C	SOIL	ASTM TS	SM2540 B		11/04/24 10:00	10/31/24
					10/31/24 13:30		
			Oil and Grease	9071B		11/04/24 12:30	
			Paint Filter	9095B		11/01/24 14:02	
			pH	9045D		11/03/24 09:52	
P4660-07	WC-WOOD-01-C	SOIL	TS	SM2540 B		11/04/24 11:00	10/31/24
					10/31/24 13:30		
			Corrosivity	9045D		11/04/24 10:00	
			Ignitability	1030		11/01/24 15:45	
			Reactive Cyanide	9012B	11/04/24	11/04/24 14:19	
P4660-08	WC-WOOD-01-C	WATER	Reactive Sulfide	9034	11/04/24	11/04/24 16:23	10/31/24
			ASTM Ammonia	SM4500-NH3	11/04/24	11/05/24 09:59	
			ASTM COD	SM5220 D		11/05/24 13:04	
			ASTM Oil and Grease	1664A		11/04/24 12:00	
P4660-10	WC-CONCRETE-01-C	SOIL	ASTM TS	SM2540 B		11/04/24 10:00	10/31/24
					10/31/24 15:30		
			Oil and Grease	9071B		11/04/24 12:30	
			Paint Filter	9095B		11/01/24 14:10	

LAB CHRONICLE

P4660-11	WC-CONCRETE-01-C	SOIL	pH	9045D		11/03/24	
			TS	SM2540 B		10:00	
			TVS	160.4		11/04/24	
						11:00	
						11/04/24	
						17:00	
					10/31/24		10/31/24
					15:30		
			Corrosivity	9045D		11/04/24	
			Ignitability	1030		10:10	
						11/01/24	
						15:52	
			Reactive Cyanide	9012B		11/04/24	
						14:19	
			Reactive Sulfide	9034		11/04/24	
						16:25	
P4660-12	WC-CONCRETE-01-C	WATER			10/31/24		10/31/24
					15:30		
			ASTM Ammonia	SM4500-NH3		11/04/24	
						11/05/24	
						09:59	
			ASTM COD	SM5220 D		11/05/24	
						13:04	
			ASTM Oil and Grease	1664A		11/04/24	
						12:00	
			ASTM TS	SM2540 B		11/04/24	
						10:00	



SAMPLE DATA

Report of Analysis

Client:	ENTACT	Date Collected:	10/30/24 13:30
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	10/31/24
Client Sample ID:	WC-TA2-01-C	SDG No.:	P4660
Lab Sample ID:	P4660-02	Matrix:	SOIL
		% Solid:	88.9

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Oil and Grease	84.3		1	3.65	28.1	mg/Kg		11/04/24 12:30	SW9071B
Paint Filter	1.00	U	1	1.00	1.00	ml/100gm		11/01/24 13:55	9095B
pH	11.9	H	1	0	0	pH		11/03/24 09:47	9045D
TS	90.6		1	1.00	5.00	%		11/04/24 11:00	SM 2540 B-15
TVS	22.1		1	1.00	10.0	%		11/04/24 17:00	160.4

Comments: pH result reported at temperature 24.2 °C

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

Report of Analysis

Client:	ENTACT	Date Collected:	10/30/24 13:30
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	10/31/24
Client Sample ID:	WC-TA2-01-C	SDG No.:	P4660
Lab Sample ID:	P4660-03	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Corrosivity	11.9	H	1	0	0	pH		11/04/24 09:50	9045D
Ignitability	NO		1	0	0	oC		11/01/24 15:37	1030
Reactive Cyanide	0.044	U	1	0.044	0.25	mg/Kg	11/04/24 10:00	11/04/24 14:19	9012B
Reactive Sulfide	4.78	J	1	0.19	10.0	mg/Kg	11/04/24 14:00	11/04/24 16:18	9034

Comments: pH result reported at temperature 24.2 °C

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

Report of Analysis

Client:	ENTACT	Date Collected:	10/30/24 13:30
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	10/31/24
Client Sample ID:	WC-TA2-01-C	SDG No.:	P4660
Lab Sample ID:	P4660-04	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
ASTM Ammonia	0.16		1	0.045	0.10	mg/L	11/04/24 08:45	11/05/24 09:59	SM 4500-NH3 B plus NH3 G-11
ASTM COD	30.2		1	2.35	10.0	mg/L		11/05/24 13:02	SM 5220 D-11
ASTM Oil and Grease	0.40	U	1	0.40	5.00	mg/L		11/04/24 12:00	SW1664A
ASTM TS	551		1	1.00	5.00	mg/L		11/04/24 10:00	SM 2540 B-15

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

Report of Analysis

Client:	ENTACT	Date Collected:	10/31/24 13:30
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	10/31/24
Client Sample ID:	WC-WOOD-01-C	SDG No.:	P4660
Lab Sample ID:	P4660-06	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Oil and Grease	19300		1	3.25	25.0	mg/Kg		11/04/24 12:30	SW9071B
Paint Filter	1.00	U	1	1.00	1.00	ml/100gm		11/01/24 14:02	9095B
pH	11.0	H	1	0	0	pH		11/03/24 09:52	9045D
TS	70.0		1	1.00	5.00	%		11/04/24 11:00	SM 2540 B-15

Comments: pH result reported at temperature 24.3 °C

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

Report of Analysis

Client:	ENTACT	Date Collected:	10/31/24 13:30
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	10/31/24
Client Sample ID:	WC-WOOD-01-C	SDG No.:	P4660
Lab Sample ID:	P4660-07	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Corrosivity	11.0	H	1	0	0	pH		11/04/24 10:00	9045D
Ignitability	NO		1	0	0	oC		11/01/24 15:45	1030
Reactive Cyanide	0.042	U	1	0.042	0.24	mg/Kg	11/04/24 10:00	11/04/24 14:19	9012B
Reactive Sulfide	3.16	J	1	0.19	10.0	mg/Kg	11/04/24 14:00	11/04/24 16:23	9034

Comments: pH result reported at temperature 24.3 °C

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

Report of Analysis

Client:	ENTACT	Date Collected:	10/31/24 13:30
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	10/31/24
Client Sample ID:	WC-WOOD-01-C	SDG No.:	P4660
Lab Sample ID:	P4660-08	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
ASTM Ammonia	0.14		1	0.045	0.10	mg/L	11/04/24 08:45	11/05/24 09:59	SM 4500-NH3 B plus NH3 G-11
ASTM COD	247	D	5	11.8	50.0	mg/L		11/05/24 13:04	SM 5220 D-11
ASTM Oil and Grease	4.60	J	1	0.40	5.00	mg/L		11/04/24 12:00	SW1664A
ASTM TS	327		1	1.00	5.00	mg/L		11/04/24 10:00	SM 2540 B-15

Comments:

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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
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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:	10/31/24 15:30
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	10/31/24
Client Sample ID:	WC-CONCRETE-01-C	SDG No.:	P4660
Lab Sample ID:	P4660-10	Matrix:	SOIL
		% Solid:	92.3

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Oil and Grease	6840		1	3.51	27.0	mg/Kg		11/04/24 12:30	SW9071B
Paint Filter	1.00	U	1	1.00	1.00	ml/100gm		11/01/24 14:10	9095B
pH	8.81	H	1	0	0	pH		11/03/24 10:00	9045D
TS	90.9		1	1.00	5.00	%		11/04/24 11:00	SM 2540 B-15
TVS	18.0		1	1.00	10.0	%		11/04/24 17:00	160.4

Comments: pH result reported at temperature 24.3 °C

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

Report of Analysis

Client:	ENTACT	Date Collected:	10/31/24 15:30
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	10/31/24
Client Sample ID:	WC-CONCRETE-01-C	SDG No.:	P4660
Lab Sample ID:	P4660-11	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Corrosivity	8.81	H	1	0	0	pH		11/04/24 10:10	9045D
Ignitability	NO		1	0	0	oC		11/01/24 15:52	1030
Reactive Cyanide	0.045	J	1	0.043	0.25	mg/Kg	11/04/24 10:00	11/04/24 14:19	9012B
Reactive Sulfide	6.35	J	1	0.19	10.0	mg/Kg	11/04/24 14:00	11/04/24 16:25	9034

Comments: pH result reported at temperature 24.3 °C

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

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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:	10/31/24 15:30
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	10/31/24
Client Sample ID:	WC-CONCRETE-01-C	SDG No.:	P4660
Lab Sample ID:	P4660-12	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
ASTM Ammonia	0.069	J	1	0.045	0.10	mg/L	11/04/24 08:45	11/05/24 09:59	SM 4500-NH3 B plus NH3 G-11
ASTM COD	129		1	2.35	10.0	mg/L		11/05/24 13:04	SM 5220 D-11
ASTM Oil and Grease	0.50	J	1	0.40	5.00	mg/L		11/04/24 12:00	SW1664A
ASTM TS	204		1	1.00	5.00	mg/L		11/04/24 10:00	SM 2540 B-15

Comments:

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H = Sample Analysis Out Of Hold Time

J = Estimated Value
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OR = Over Range
N = Spiked sample recovery not within control limits



QC RESULT SUMMARY

Initial and Continuing Calibration Verification

Client: ENTACT

SDG No.: P4660

Project: 540 Degraw St, Brooklyn, NY - E9309

RunNo.: LB133262

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV pH	pH	7.01	7	100	90-110	11/03/2024
Sample ID: CCV1 pH	pH	2.01	2.00	101	90-110	11/03/2024
Sample ID: CCV2 pH	pH	12.02	12.00	100	90-110	11/03/2024

Initial and Continuing Calibration Verification

Client: ENTACT

SDG No.: P4660

Project: 540 Degraw St, Brooklyn, NY - E9309

RunNo.: LB133271

Analyte		Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: Corrosivity	ICV	pH	7.01	7	100	90-110	11/04/2024
Sample ID: Corrosivity	CCV1	pH	2.01	2.00	101	90-110	11/04/2024
Sample ID: Corrosivity	CCV2	pH	12.02	12.00	100	90-110	11/04/2024
Sample ID: Corrosivity	CCV3	pH	2.01	2.00	101	90-110	11/04/2024

Initial and Continuing Calibration Verification

Client: ENTACT

SDG No.: P4660

Project: 540 Degraw St, Brooklyn, NY - E9309

RunNo.: LB133278

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: CCV1 Reactive Cyanide	mg/L	0.25	0.25	100	90-110	11/04/2024
Sample ID: ICV1 Reactive Cyanide	mg/L	0.099	0.099	100	85-115	11/04/2024
Sample ID: CCV2 Reactive Cyanide	mg/L	0.24	0.25	96	90-110	11/04/2024
Sample ID: CCV3 Reactive Cyanide	mg/L	0.25	0.25	100	90-110	11/04/2024

Initial and Continuing Calibration Verification

Client: ENTACT

SDG No.: P4660

Project: 540 Degraw St, Brooklyn, NY - E9309

RunNo.: LB133291

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV1 ASTM Ammonia	mg/L	1	1	100	90-110	11/05/2024
Sample ID: CCV1 ASTM Ammonia	mg/L	1	1	100	90-110	11/05/2024
Sample ID: CCV2 ASTM Ammonia	mg/L	1.1	1	110	90-110	11/05/2024

Initial and Continuing Calibration Verification

Client: ENTACT

SDG No.: P4660

Project: 540 Degraw St, Brooklyn, NY - E9309

RunNo.: LB133292

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV ASTM COD	mg/L	51.341	50	103	95-105	10/14/2024
Sample ID: CCV1 ASTM COD	mg/L	50.336	50	101	95-105	11/05/2024
Sample ID: CCV2 ASTM COD	mg/L	51.341	50	103	95-105	11/05/2024

Initial and Continuing Calibration Blank Summary

Client: ENTACT

SDG No.: P4660

Project: 540 Degraw St, Brooklyn, NY - E9309

RunNo.: LB133278

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: CCB1 Reactive Cyanide	mg/L	< 0.0025	0.0025	U	0.00099	0.005	11/04/2024
Sample ID: ICB1 Reactive Cyanide	mg/L	< 0.0025	0.0025	U	0.00099	0.005	11/04/2024
Sample ID: CCB2 Reactive Cyanide	mg/L	< 0.0025	0.0025	U	0.00099	0.005	11/04/2024
Sample ID: CCB3 Reactive Cyanide	mg/L	0.0016	0.0025	J	0.00099	0.005	11/04/2024

Initial and Continuing Calibration Blank Summary

Client: ENTACT

SDG No.: P4660

Project: 540 Degraw St, Brooklyn, NY - E9309

RunNo.: LB133291

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB1 ASTM Ammonia	mg/L	< 0.0500	0.0500	U	0.045	0.1	11/05/2024
Sample ID: CCB1 ASTM Ammonia	mg/L	< 0.0500	0.0500	U	0.045	0.1	11/05/2024
Sample ID: CCB2 ASTM Ammonia	mg/L	< 0.0500	0.0500	U	0.045	0.1	11/05/2024

Initial and Continuing Calibration Blank Summary

Client:	ENTACT	SDG No.:	P4660
Project:	540 Degraw St, Brooklyn, NY - E9309	RunNo.:	LB133292

Analyte		Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID:	ICB							
ASTM COD		mg/L	< 5.0000	5.0000	U	2.35	10	10/14/2024
Sample ID:	CCB1							
ASTM COD		mg/L	< 5.0000	5.0000	U	2.35	10	11/05/2024
Sample ID:	CCB2							
ASTM COD		mg/L	< 5.0000	5.0000	U	2.35	10	11/05/2024

Preparation Blank Summary

Client: ENTACT

SDG No.: P4660

Project: 540 Degraw St, Brooklyn, NY - E9309

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: LB133287BL Oil and Grease	mg/Kg	< 12.5000	12.5000	U	3.25	25	11/04/2024
Sample ID: LB133288BL ASTM TS	mg/L	< 2.5000	2.5000	U	1	5	11/04/2024
Sample ID: LB133289BL ASTM Oil and Grease	mg/L	< 2.5000	2.5000	U	0.4	5.0	11/04/2024
Sample ID: LB133292BL ASTM COD	mg/L	< 5.0000	5.0000	U	2.35	10.0	11/05/2024
Sample ID: LB133294BL TS	%	< 2.5000	2.5000	U	1	5	11/04/2024
Sample ID: LB133295BL TVS	%	< 5.0000	5.0000	U	1	10	11/04/2024
Sample ID: PB164613BL Reactive Sulfide	mg/Kg	< 5.0000	5.0000	U	0.186	10	11/04/2024
Sample ID: PB164666BL ASTM Ammonia	mg/L	< 0.0500	0.0500	U	0.045	0.1	11/05/2024
Sample ID: PB164667BL Reactive Cyanide	mg/Kg	< 0.1250	0.1250	U	0.044	0.25	11/04/2024

Matrix Spike Summary

Client:

ENTACT

SDG No.:

P4660

Project:

540 Degraw St, Brooklyn, NY - E9309

Sample ID:

P4660-02

Client ID:

WC-TA2-01-CMS

Percent Solids for Spike Sample:

88.9

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Oil and Grease	mg/Kg	75-125	84.2		84.3		112	1	0	*	11/04/2024

Matrix Spike Summary

Client:

ENTACT

SDG No.:

P4660

Project:

540 Degraw St, Brooklyn, NY - E9309

Sample ID:

P4660-02

Client ID:

WC-TA2-01-CMSD

Percent Solids for Spike Sample:

88.9

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Oil and Grease	mg/Kg	75-125	78.6		84.3		112	1	-5	*	11/04/2024

Matrix Spike Summary

Client:	ENTACT	SDG No.:	P4660
Project:	540 Degraw St, Brooklyn, NY - E9309	Sample ID:	P4660-04
Client ID:	WC-TA2-01-CMS	Percent Solids for Spike Sample:	0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
ASTM Ammonia	mg/L	75-125	1.20		0.16		1	1	104		11/05/2024
ASTM Oil and Grease	mg/L	78-114	20.2		0.40	U	20.0	1	101		11/04/2024
ASTM COD	mg/L	75-125	80.5		30.2		50.0	1	101		11/05/2024

Matrix Spike Summary

Client:	ENTACT	SDG No.:	P4660
Project:	540 Degraw St, Brooklyn, NY - E9309	Sample ID:	P4660-04
Client ID:	WC-TA2-01-CMSD	Percent Solids for Spike Sample:	0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
ASTM Ammonia	mg/L	75-125	1.10		0.16		1	1	94		11/05/2024
ASTM Oil and Grease	mg/L	78-114	20.0		0.40	U	20.0	1	100		11/04/2024
ASTM COD	mg/L	75-125	79.5		30.2		50.0	1	99		11/05/2024

Duplicate Sample Summary

Client:	ENTACT	SDG No.:	P4660
Project:	540 Degraw St, Brooklyn, NY - E9309	Sample ID:	P4645-04
Client ID:	Z-02-WCDUP	Percent Solids for Spike Sample:	100

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/AD	Qual	Analysis Date
Reactive Cyanide	mg/Kg	+/-20	0.042	U	0.043	U	1	0		11/04/2024

Duplicate Sample Summary

Client:	ENTACT	SDG No.:	P4660
Project:	540 Degraw St, Brooklyn, NY - E9309	Sample ID:	P4659-01
Client ID:	MH-2DUP	Percent Solids for Spike Sample:	100

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/AD	Qual	Analysis Date
Paint Filter	ml/100gm	+/-20	1.00	U	1.00	U	1	0		11/01/2024
Ignitability	oC	+/-20	NO		NO		1	0		11/01/2024

Duplicate Sample Summary

Client:

ENTACT

Project:

540 Degraw St, Brooklyn, NY - E9309

Client ID:

WC-TA2-01-CDUP

SDG No.:

P4660

Sample ID:

P4660-02

Percent Solids for Spike Sample:

88.9

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Oil and Grease	mg/Kg	+/-20	84.3		84.3		1	0.04		11/04/2024
TS	%	+/-5	90.6		90.1		1	0.55		11/04/2024
TVS	%	+/-5	22.1		22.7		1	2.68		11/04/2024

Duplicate Sample Summary

Client:	ENTACT	SDG No.:	P4660
Project:	540 Degraw St, Brooklyn, NY - E9309	Sample ID:	P4660-02
Client ID:	WC-TA2-01-CMSD	Percent Solids for Spike Sample:	88.9

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/AD	Qual	Analysis Date
Oil and Grease	mg/Kg	+/-20	84.2		78.6		1	6.95		11/04/2024

Duplicate Sample Summary

Client:	ENTACT	SDG No.:	P4660
Project:	540 Degraw St, Brooklyn, NY - E9309	Sample ID:	P4660-03
Client ID:	WC-TA2-01-CDUP	Percent Solids for Spike Sample:	100

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/AD	Qual	Analysis Date
Corrosivity	pH	+/-20	11.9		11.9		1	0.08		11/04/2024
Reactive Sulfide	mg/Kg	+/-20	4.78	J	4.78	J	1	0		11/04/2024

Duplicate Sample Summary

Client:	ENTACT	SDG No.:	P4660
Project:	540 Degraw St, Brooklyn, NY - E9309	Sample ID:	P4660-04
Client ID:	WC-TA2-01-CDUP	Percent Solids for Spike Sample:	0

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/AD	Qual	Analysis Date
ASTM TS	mg/L	+/-5	551		550		1	0.18		11/04/2024
ASTM Oil and Grease	mg/L	+/-18	0.40	U	0.40	U	1	0		11/04/2024
ASTM Ammonia	mg/L	+/-20	0.16		0.16		1	0		11/05/2024
ASTM COD	mg/L	+/-20	30.2		29.2		1	3.37		11/05/2024

Duplicate Sample Summary

Client:	ENTACT	SDG No.:	P4660
Project:	540 Degraw St, Brooklyn, NY - E9309	Sample ID:	P4660-04
Client ID:	WC-TA2-01-CMSD	Percent Solids for Spike Sample:	0

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/AD	Qual	Analysis Date
ASTM Oil and Grease	mg/L	+/-18	20.2		20.0		1	1		11/04/2024
ASTM Ammonia	mg/L	+/-20	1.20		1.10		1	9		11/05/2024
ASTM COD	mg/L	+/-20	80.5		79.5		1	1.25		11/05/2024

Duplicate Sample Summary

Client:	ENTACT	SDG No.:	P4660
Project:	540 Degraw St, Brooklyn, NY - E9309	Sample ID:	P4672-05
Client ID:	TAPLPR-SED05-103124-00-T2DUP	Percent Solids for Spike Sample:	83.9

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/AD	Qual	Analysis Date
pH	pH	+/-20	6.53		6.54		1	0.15		11/03/2024

Laboratory Control Sample Summary

Client:	ENTACT	SDG No.:	P4660
Project:	540 Degraw St, Brooklyn, NY - E9309	Run No.:	LB133287

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB133287BS							
Oil and Grease	mg/Kg	100	89.8		90	1	80-120	11/04/2024

Laboratory Control Sample Summary

Client:	ENTACT	SDG No.:	P4660
Project:	540 Degraw St, Brooklyn, NY - E9309	Run No.:	LB133289

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB133289BS							
ASTM Oil and Grease	mg/L	20.0	16.9		84	1	78-114	11/04/2024

Laboratory Control Sample Summary

Client:	ENTACT	SDG No.:	P4660
Project:	540 Degraw St, Brooklyn, NY - E9309	Run No.:	LB133292

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB133292BS							
ASTM COD	mg/L	50	51.3		103	1	90-110	11/05/2024

Laboratory Control Sample Summary

Client: ENTACT

SDG No.: P4660

Project: 540 Degraw St, Brooklyn, NY - E9309

Run No.: LB133291

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID PB164666BS								
ASTM Ammonia	mg/L	1	1.00		100	1	90-110	11/05/2024



SHIPPING DOCUMENTS



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CHAIN OF CUSTODY RECORD

Alliance Project Number:

P4660

COC Number: 2042101

Page 1 of 2

CLIENT INFORMATION		PROJECT INFORMATION		BILLING INFORMATION																																																																																																																						
COMPANY: ENTACT, LLC		PROJECT NAME: 540 Degraw St Brooklyn, NY		BILL TO: ENTACT, LLC					PO# E9309																																																																																																																	
ADDRESS: 150 Bay Street, Suite 806		PROJECT #: E9309 LOCATION: Brooklyn, NY		ADDRESS: 999 Oakmont Plaza Drive, Suite 300																																																																																																																						
CITY: Jersey City STATE: NJ ZIP: 07302		PROJECT MANAGER: Jarod Stanfield		CITY: Westmont					STATE: IL ZIP: 60559																																																																																																																	
ATTENTION: Jarod Stanfield		E-MAIL: jstanfield@entact.com		ATTENTION: Wendy Murray					PHONE: 800-936-8228																																																																																																																	
PHONE: 670-886-0442 FAX:		PHONE: 570-886-0442 FAX:																																																																																																																								
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FAX: 5 DAYS* HARD COPY: DAYS* EDD: DAYS* * TO BE APPROVED BY ALLIANCE STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS		☐ RESEULTS ONLY ☐ USEPA CLP ☒ RESULTS + QC ☐ New York State ASP "B" ☐ New Jersey REDUCED ☐ New York State ASP "A" ☐ New Jersey CLP ☐ Other _____ ☐ EDD Format		<table border="1"><thead><tr><th>TCLP VOCs</th><th>TCLP ICP Metals</th><th>TCLP Herb</th><th>TCLP Pest</th><th>TCLP SVOCs</th><th>TCLP pH</th><th>I/C/R</th><th>PCBs</th><th>Oil & Grease</th></tr><tr><th>1</th><th>2</th><th>3</th><th>4</th><th>5</th><th>6</th><th>7</th><th>8</th><th>9</th></tr></thead><tbody><tr><td colspan="9"></td><td rowspan="10">COMMENTS ← Specify Preservatives A-HCl B-HNO3 C-H2SO4 D-NaOH E-ICE F-Other</td></tr><tr><td colspan="9">PRESERVATIVES</td></tr><tr><td>E</td><td>E</td><td>E</td><td>E</td><td>E</td><td>E</td><td>E</td><td>E</td><td>E</td></tr><tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td></tr><tr><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></tbody></table>										TCLP VOCs	TCLP ICP Metals	TCLP Herb	TCLP Pest	TCLP SVOCs	TCLP pH	I/C/R	PCBs	Oil & Grease	1	2	3	4	5	6	7	8	9										COMMENTS ← Specify Preservatives A-HCl B-HNO3 C-H2SO4 D-NaOH E-ICE F-Other	PRESERVATIVES									E	E	E	E	E	E	E	E	E	1	2	3	4	5	6	7	8	9	X										X	X	X	X	X	X	X	X										X										X	X	X	X	X	X	X	X									
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CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE	SAMPLE COLLECTION	# of Bottles																																																																																																																					
COMP	GRAB	DATE	TIME																																																																																																																							
1.	WC-TA2-01-G	Soil		X	10/28	15:15	1	X																																																																																																																		
2.	WC-TA2-01-C	Soil	X		10/30	13:30	11		X	X	X	X	X	X	X	X	X																																																																																																									
3.	WC-Wood-01-G	Solid		X	10/31	12:30	1	X																																																																																																																		
4.	WC-Wood-01-C	Solid	X		10/31	13:30	11		X	X	X	X	X	X	X	X	X																																																																																																									
5.	WC-Concrete-01-G	Solid		X	10/31	14:30	1	X																																																																																																																		
6.	WC-Concrete-01-C	Solid	X		10/31	15:30	12		X	X	X	X	X	X	X	X	X																																																																																																									
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SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE PROSESSION INCLUDING COURIER DELIVERY																																																																																																																										
RELINQUISHED BY SAMPLER		DATE/TIME		RECEIVED BY		Conditions of bottles or coolers at receipt: ☐ Compliant ☐ Non Compliant ☐ Cooler Temp <u>3.1 C</u> ☐ Ice in Cooler?: _____																																																																																																																				
1. Jarod Stanfield		10/31 13:21				Comments:																																																																																																																				
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Page _____ of _____						SHIPPED VIA: CLIENT: ☐ Hand Delivered ☐ Overnight ALLIANCE: ☒ Picked Up ☐ Overnight						Shipment Complete ☐ YES ☐ NO																																																																																																														

WHITE - ALLIANCE COPY FOR RETURN TO CLIENT

YELLOW - ALLIANCE COPY

PINK - SAMPLER COPY



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CHAIN OF CUSTODY RECORD

Alliance Project Number:

P4660

COC Number: 2042101

Page 2 of 2

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

DATA TURNAROUND INFORMATION

FAX: 5 DAYS*
HARD COPY: 5 DAYS*
EDD 5 DAYS*

* TO BE APPROVED BY ALLIANCE

STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- ☐ RESULTS ONLY ☐ USEPA CLP
☒ RESULTS + QC ☐ New York State ASP "B"
☐ New Jersey REDUCED ☐ New York State ASP "A"
☐ New Jersey CLP ☐ Other _____
☐ EDD Format _____

ANALYSIS

ASTM COD	ASTM Ammonia-Nitrogen	ASTM O&G	ASTM TS	TS, TVS	pH	Paint Filter
10	11	12	13	14	15	16

PRESERVATIVES

COMMENTS

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# of Bottles										
			COMP	GRAB	DATE	TIME		E	E	E	E	E	E	E	E	E	
1.	WC-TA2-01-G	Soil		X	10/28	15:15	1										
2.	WC-TA2-01-C	Soil	X		10/30	13:30	11	X	X	X	X	X	X	X			
3.	WC-Wood-01-G	Solid		X	10/31	12:30	1										
4.	WC-Wood-01-C	Solid	X		10/31	13:30	11	X	X	X	X	X	X	X			
5.	WC-Concrete-01-G	Solid		X	10/31	14:30	1										
6.	WC-Concrete-01-C	Solid	X		10/31	15:30	12	X	X	X	X	X	X	X			
7.																	
8.																	
9.																	
10.																	

<-- Specify Preservatives
A-HCl B-HNO3
C-H2SO4 D-NaOH
E-ICE F-Other

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

RELINQUISHED BY SAMPLER 1. Jarod Stanfield	DATE/TIME 10/31/13	RECEIVED BY 1. [Signature] 1325	Conditions of bottles or coolers at receipt: ☐ Compliant ☐ Non Compliant ☐ Cooler Temp 3.1 C ☐ Ice in Cooler?: _____ Comments:	
RELINQUISHED BY 2.	DATE/TIME	RECEIVED BY		
RELINQUISHED BY 3. [Signature]	DATE/TIME 10-31-24	RECEIVED FOR LAB BY 3.		
Page _____ of _____			SHIPPED VIA: CLIENT: ☐ Hand Delivered ☐ Overnight ALLIANCE: ☒ Picked Up ☐ Overnight	Shipment Complete ☐ YES ☐ NO

P4660

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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