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

# 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**

Table Of Contents for P4660

# DATA OF KNOWN QUALITY CONFORMANCE/NON-CONFORMANCE SUMMARY QUESTIONNAIRE

Laboratory Name : Alliance Technical Group LLC

Client : ENTACT

Project Location : Brooklyn, NY

Project Number : E9309

Laboratory Sample ID(s) : P4660

Sampling 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?<br><br>b)Were these reporting limits met? | ☑ Yes ☐ No<br><br>☑ 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.”

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# Cover Page

**Order ID :** P4660

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

**Client :** ENTACT

| Lab Sample Number | Client Sample Number |
|---|---|
| P4660-01 | WC-TA2-01-G |
| P4660-02 | WC-TA2-01-C |
| P4660-03 | WC-TA2-01-C |
| P4660-04 | WC-TA2-01-C |
| P4660-05 | WC-WOOD-01-G |
| P4660-06 | WC-WOOD-01-C |
| P4660-07 | WC-WOOD-01-C |
| P4660-08 | WC-WOOD-01-C |
| P4660-09 | WC-CONCRETE-01-G |
| P4660-10 | WC-CONCRETE-01-C |
| P4660-11 | WC-CONCRETE-01-C |
| P4660-12 | 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 : N. N. Pandya

APPROVED
Date: 11/14/2024
*By Nimisha Pandya, QA/QC Supervisor at 10:00 am, Nov 15, 2024*

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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# 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, TCLPMetals 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.

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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 N. N. Pandya

**APPROVED**
*By Nimisha Pandya, QA/QC Supervisor at 10:00 am, Nov 15, 2024*

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# 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, TCLPMetals 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.

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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 N. N. Pandya

**APPROVED**
*By Nimisha Pandya, QA/QC Supervisor at 10:01 am, Nov 15, 2024*

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# 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, TCLPMetals 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:**

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

---

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Signature N. N. Pandya

**APPROVED**

*By Nimisha Pandya, QA/QC Supervisor at 10:01 am, Nov 15, 2024*

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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, TCLPMetals 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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Signature N. N. Pandya

**APPROVED**

*By Nimisha Pandya, QA/QC Supervisor at 10:01 am, Nov 15, 2024*

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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, TCLPMetals 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 um df,: Catalog # 11139. The rear column is RTX-CLPesticides2 which is 30 meters, 0.32 mm ID, 0.25 um df, Catalog #: 11324The 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 and4-DCAA(1) - 144%], PB164560TB[2 and4-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 .

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**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 N. N. Pandya

**APPROVED**
*By Nimisha Pandya, QA/QC Supervisor at 10:01 am, Nov 15, 2024*

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# 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 N. N. Pandya

**APPROVED**
*By Nimisha Pandya, QA/QC Supervisor at 10:02 am, Nov 15, 2024*

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# 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, TCLPMetals 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.

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Signature N. N. Pandya

**APPROVED**
*By Nimisha Pandya, QA/QC Supervisor at 10:02 am, Nov 15, 2024*

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Tel. 908-789-8900 Fax: 908-789-8922



# 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<br>**"P"** for ICP instrument<br>**"PM"** for ICP when Microwave Digestion is used<br>**"CV"** for Manual Cold Vapor AA<br>**"AV"** for automated Cold Vapor AA<br>**"CA"** for MIDI-Distillation Spectrophotometric<br>**"AS"** for Semi –Automated Spectrophotometric<br>**"C"** for Manual Spectrophotometric<br>**"T"** for Titrimetric<br>**"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 |

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## 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:<br>(1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.)<br>(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 is 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 |

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## 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

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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:** | 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** | | | **10/28/24** | | | **10/31/24** |
| | | | TCLP VOA | 8260D | | | 11/04/24 | |
| **P4660-05** | **WC-WOOD-01-G** | **TCLP** | | | **10/31/24** | | | **10/31/24** |
| | | | TCLP VOA | 8260D | | | 11/04/24 | |
| **P4660-09** | **WC-CONCRETE-01-G** | **TCLP** | | | **10/31/24** | | | **10/31/24** |
| | | | TCLP VOA | 8260D | | | 11/04/24 | |

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# Hit Summary Sheet
**SW-846**

**SDG No.:** P4660

**Client:** ENTACT

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

**Client ID:**

0

**Total Voc :**

**Total Concentration:**

# SAMPLE DATA

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# 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

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# 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

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# 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

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## Surrogate Summary

**SDG No.:** P4660

**Client:** ENTACT

**Analytical Method:** SW8260D

| Lab Sample ID | Client ID | Parameter | Spike | Result | RecoveryQual | Limits Low | Limits 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) |

( ) = LABORATORY INHOUSE LIMIT

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## Surrogate Summary

**SDG No.:** P4660

**Client:** ENTACT

**Analytical Method:** SW8260-Low

| Lab Sample ID | Client ID | Parameter | Spike | Result | RecoveryQual | Limits Low | Limits 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 INHOUSE LIMIT

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## 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 | Limits Low | Limits High | Limits 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

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## 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 | Limits Low | Limits High | Limits 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

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# 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:

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# 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 |

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Fax : 908 789 8922



# 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 |

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## 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.

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## 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

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# 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

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# 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

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# 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
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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
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

# CALIBRATION SUMMARY

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# 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 | $\overline{RRF}$ | % 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.

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## 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.

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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** | | | **10/30/24** | | | **10/31/24** |
| | | | TCLP BNA | 8270E | | 11/05/24 | 11/05/24 | |
| **P4660-07** | **WC-WOOD-01-C** | **TCLP** | | | **10/31/24** | | | **10/31/24** |
| | | | TCLP BNA | 8270E | | 11/05/24 | 11/07/24 | |
| **P4660-11** | **WC-CONCRETE-01-C** | **TCLP** | | | **10/31/24** | | | **10/31/24** |
| | | | TCLP BNA | 8270E | | 11/05/24 | 11/06/24 | |

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# Hit Summary Sheet
**SW-846**

**SDG No.:** P4660

**Client:** ENTACT

| Sample ID | Client ID | Matrix | Parameter | Concentration | C | MDL | RDL | Units |
|---|---|---|---|---|---|---|---|---|
| **Client ID :** | **WC-WOOD-01-C** | | | | | | | |
| P4660-07 | 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

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Fax : 908 789 8922



# 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 | | | |

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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 |
| 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 |
|---|---|---|---|---|---|---|

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

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# 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 | | | |

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# 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 |
|---|---|---|---|---|---|---|

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

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# 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 | | | |

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# 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 |
|---|---|---|---|---|---|---|

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

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# 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 | | | |

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# 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 |
|---|---|---|---|---|---|---|

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

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# 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 | Limits (%) 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

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## 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 | Limits 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) | |

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## 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 | Limits Low | Limits High | Limits 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

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# 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 Qual | Limits Low | Limits High | Limits RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 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

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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:

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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 |

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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 |

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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 |

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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 |

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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.

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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.

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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.

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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.

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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.

Alliance TECHNICAL GROUP
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Fax : 908 789 8922



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

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# 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 | | | |

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# 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 |
|---|---|---|---|---|---|---|

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

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# 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 | | | |

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# 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 |
|---|---|---|---|---|---|---|

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

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# 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 | | | |

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# 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 |
|---|---|---|---|---|---|---|

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

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# 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 | | | |

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Fax : 908 789 8922



# 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 |
|---|---|---|---|---|---|---|

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

Response Factor Report BNA_E

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) | | Benzidine | 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

Response Factor Report BNA_E

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 =BE1015
00.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

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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.

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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.

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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.

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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:** | 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** | | | **10/30/24** | | | **10/31/24** |
| | | | PCB | 8082A | | 11/04/24 | 11/04/24 | |
| **P4660-06** | **WC-WOOD-01-C** | **SOIL** | | | **10/31/24** | | | **10/31/24** |
| | | | PCB | 8082A | | 11/04/24 | 11/04/24 | |
| **P4660-10** | **WC-CONCRETE-01-C** | **SOIL** | | | **10/31/24** | | | **10/31/24** |
| | | | PCB | 8082A | | 11/04/24 | 11/04/24 | |

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# 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

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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: | P4660-02 | 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

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# 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:

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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

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# 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
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Q = indicates LCS control criteria did not meet requirements
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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

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## Surrogate Summary

**SDG No.:** P4660

**Client:** ENTACT

**Analytical Method:** 8082A

| Lab Sample ID | Client ID | Parameter | Column | Spike | Result | Rec | Qual | Limits Low | Limits 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

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## Surrogate Summary

**SDG No.:** P4660

**Client:** ENTACT

**Analytical Method:** 8082A

| Lab Sample ID | Client ID | Parameter | Column | Spike | Result | Rec | Qual | Limits Low | Limits 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) |

( ) = LABORATORY INHOUSE LIMIT

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## 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 | Limits Low | Limits High | Limits RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Client Sample ID:** | **BP-F26MS** | | | | | | | | | | | |
| P4680-01MS | AR1016 | 185.2 | 0 | 161 | ug/kg | 87 | | | | 40 (55) | 140 (146) | |
| | AR1260 | 185.2 | 0 | 155 | ug/kg | 84 | | | | 40 (45) | 140 (144) | |

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## 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 | Limits Low | Limits High | Limits RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Client Sample ID:** | **BP-F26MSD** | | | | | | | | | | | |
| P4680-01MSD | 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) |

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## 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 Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PB164638BS | AR1016 | 166.6 | 148 | ug/kg | 89 | | | | 40 (71) | 140 (120) | |
| | AR1260 | 166.6 | 150 | ug/kg | 90 | | | | 40 (65) | 140 (130) | |

( ) = LABORATORY INHOUSE LIMIT

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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

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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-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 | RT WINDOW 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 |

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**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 | RT WINDOW 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 |

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**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 =** PO107184.D **CF 750 =** PO107185.D

**CF 500 =** PO107186.D **CF 250 =** PO107187.D **CF 050 =** PO107188.D

| COMPOUND | | CF 1000 | CF 750 | CF 500 | CF 250 | CF 050 | CF | % RSD |
|---|---|---|---|---|---|---|---|---|
| Aroclor-1016-1 | (1) | 252081604 | 261702867 | 271939076 | 291118488 | 272229420 | 269814291 | 5 |
| Aroclor-1016-2 | (2) | 373760062 | 383028583 | 397887352 | 419075308 | 410673320 | 396884925 | 5 |
| Aroclor-1016-3 | (3) | 234678633 | 244145249 | 256575754 | 276405664 | 244042480 | 251169556 | 6 |
| Aroclor-1016-4 | (4) | 185622493 | 193848624 | 202963902 | 215081552 | 165543020 | 192611918 | 10 |
| Aroclor-1016-5 | (5) | 176326470 | 182141932 | 191487930 | 203514892 | 159796500 | 182653545 | 9 |
| Aroclor-1260-1 | (1) | 238480871 | 246497651 | 259155974 | 277220676 | 271587560 | 258588546 | 6 |
| Aroclor-1260-2 | (2) | 243402558 | 251747185 | 264083512 | 284216460 | 272650860 | 263220115 | 6 |
| Aroclor-1260-3 | (3) | 167353086 | 171560129 | 181491762 | 195138068 | 183182660 | 179745141 | 6 |
| Aroclor-1260-4 | (4) | 162125557 | 166999933 | 175289716 | 187582032 | 185522120 | 175503872 | 6 |
| Aroclor-1260-5 | (5) | 268686175 | 273623828 | 283035894 | 299271412 | 297351500 | 284393762 | 5 |
| Decachlorobiphenyl | | 2362750210 | 2427138920 | 2496479000 | 2603827440 | 2376686800 | 2453376474 | 4 |
| Tetrachloro-m-xylene | | 8902656430 | 9087809293 | 9285762860 | 9548006280 | 8745262400 | 9113899453 | 3 |
| Aroclor-1242-1 | (1) | 207947063 | 205572916 | 222208808 | 238956456 | 243522880 | 223641625 | 8 |
| Aroclor-1242-2 | (2) | 302439626 | 299949616 | 323550412 | 342804408 | 348858880 | 323520588 | 7 |
| Aroclor-1242-3 | (3) | 191912697 | 193178427 | 209638152 | 224306728 | 225847640 | 208976729 | 8 |
| Aroclor-1242-4 | (4) | 150447174 | 145338196 | 162797508 | 173135964 | 168308740 | 160005516 | 7 |
| Aroclor-1242-5 | (5) | 141009343 | 143408436 | 153689098 | 164623016 | 179679780 | 156481935 | 10 |
| Decachlorobiphenyl | | 2339420350 | 2427742867 | 2492700840 | 2551827400 | 2426410200 | 2447620331 | 3 |
| Tetrachloro-m-xylene | | 8860043620 | 8651743680 | 9146784160 | 9504075440 | 9174828800 | 9067495140 | 4 |
| Aroclor-1248-1 | (1) | 155913014 | 164800668 | 175191332 | 184609772 | 188867720 | 173876501 | 8 |
| Aroclor-1248-2 | (2) | 222845576 | 238202488 | 253637968 | 270074056 | 280366620 | 253025342 | 9 |
| Aroclor-1248-3 | (3) | 231904923 | 246233752 | 259706092 | 274388212 | 266197800 | 255686156 | 7 |
| Aroclor-1248-4 | (4) | 237210289 | 246633865 | 260533272 | 272872732 | 271860120 | 257822056 | 6 |
| Aroclor-1248-5 | (5) | 236273499 | 246591072 | 260733536 | 276314120 | 280304600 | 260043365 | 7 |
| Decachlorobiphenyl | | 2339780580 | 2371533013 | 2504089680 | 2566158680 | 2396701200 | 2435652631 | 4 |
| Tetrachloro-m-xylene | | 8719403610 | 9119992693 | 9358904180 | 9492784200 | 8995773400 | 9137371617 | 3 |
| Aroclor-1254-1 | (1) | 246822697 | 256579683 | 264992242 | 286189960 | 289157060 | 268748328 | 7 |
| Aroclor-1254-2 | (2) | 348120894 | 361641555 | 373031238 | 401237980 | 402995760 | 377405485 | 6 |
| Aroclor-1254-3 | (3) | 336293322 | 345653409 | 355909306 | 378498460 | 372630440 | 357796987 | 5 |
| Aroclor-1254-4 | (4) | 213138598 | 220171503 | 227187688 | 242530220 | 244046960 | 229414994 | 6 |
| Aroclor-1254-5 | (5) | 194609638 | 201069208 | 205869028 | 220139672 | 216546640 | 207646837 | 5 |
| Decachlorobiphenyl | | 2357746210 | 2401897693 | 2508594000 | 2601578200 | 2359367400 | 2445836701 | 4 |
| Tetrachloro-m-xylene | | 8883763230 | 9164627320 | 9184369060 | 9508828480 | 8791509400 | 9106619498 | 3 |
| Aroclor-1268-1 | (1) | 351862425 | 352413819 | 364622844 | 381760528 | 369380480 | 364008019 | 3 |

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**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 |

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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-MR2 **ID:** 0.32 (mm)

**LAB FILE ID:** **CF 1000 =** PO107184.D **CF 750 =** PO107185.D

**CF 500 =** PO107186.D **CF 250 =** PO107187.D **CF 050 =** PO107188.D

| 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 |

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## 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 |

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## 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 FROM | RT WINDOW TO | CALIBRATION FACTOR |
|---|---|---|---|---|---|---|
| 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 |

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## 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 FROM | RT WINDOW TO | CALIBRATION FACTOR |
|---|---|---|---|---|---|---|
| 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 |

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## 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 FROM | RT WINDOW TO | DIFF RT |
|---|---|---|---|---|---|---|
| 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 |

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## 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 FROM | RT WINDOW TO | DIFF RT |
|---|---|---|---|---|---|---|
| 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 |

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## 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 | RT WINDOW 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 |

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## 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 | RT WINDOW 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 |

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## 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 FROM | RT WINDOW TO | DIFF RT |
|---|---|---|---|---|---|---|
| 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 |

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## 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 FROM | TO | DIFF RT |
|---|---|---|---|---|---|---|
| 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 |

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## 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 | RT WINDOW 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 |

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## 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 FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| 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 |

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## 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 FROM | RT WINDOW TO | DIFF RT |
|---|---|---|---|---|---|---|
| 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 |

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## 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 FROM | RT WINDOW TO | DIFF RT |
|---|---|---|---|---|---|---|
| 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 |

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## 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 | RT WINDOW 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 |

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## 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 | RT WINDOW 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 |

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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-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 # |
|---|---|---|---|---|---|---|
| I.BLK | I.BLK | 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 |
| I.BLK | I.BLK | 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 |
| I.BLK | I.BLK | 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 |
| I.BLK | I.BLK | 11/04/2024 | 22:53 | PO107663.D | 10.07 | 4.37 |

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# 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 # |
|---|---|---|---|---|---|---|
| I.BLK | I.BLK | 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 |
| I.BLK | I.BLK | 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 |
| I.BLK | I.BLK | 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 |
| I.BLK | I.BLK | 11/04/2024 | 22:53 | PO107663.D | 8.64 | 3.64 |

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# Analytical Sequence

# QC SAMPLE DATA

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Fax : 908 789 8922



# 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

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# 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:

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# 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:

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# 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:

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# 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:

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# 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:

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() = Laboratory InHouse Limit

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# 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 |

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# 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 | |

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Fax : 908 789 8922



# 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

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Fax : 908 789 8922



# 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:

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

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# 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:

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

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Fax : 908 789 8922



# 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:

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

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# 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:

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

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## Surrogate Summary

**SDG No.:** P4660

**Client:** ENTACT

**Analytical Method:** 8081B

| Lab Sample ID | Client ID | Parameter | Column | Spike | Result | Rec | Qual | Limits Low | Limits 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

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## Surrogate Summary

**SDG No.:** P4660

**Client:** ENTACT

**Analytical Method:** 8081B

| Lab Sample ID | Client ID | Parameter | Column | Spike | Result | Rec | Qual | Limits Low | Limits 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) |
| | | Tetrachloro-m-xylene | 2 | 20 | 22.1 | 111 | | 30 (77) | 150 (126) |
| I.BLK-PL092941.D | PIBLK-PL092941.D | 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

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## 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 Result | Result | Units | Rec | Rec Qual | RPD | RPD Qual | Limits Low | Limits High | Limits RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Client Sample ID:** | **WC-TA2-01-CMS** | | | | | | | | | | | |
| P4660-03MS | 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) | |

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## 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 | Limits Low | Limits High | Limits 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 INHOUSE LIMIT

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## 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 Qual | Limits Low | Limits High | Limits RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 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) | |

( ) = LABORATORY INHOUSE LIMIT

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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

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Fax : 908 789 8922



# 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

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# 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

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# 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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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

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Fax : 908 789 8922



# 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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M = MS/MSD acceptance criteria did not meet requirements

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B = Analyte Found in Associated Method Blank
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* = Values outside of QC limits
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S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Fax : 908 789 8922



# 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
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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

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Fax : 908 789 8922



# 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:

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

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Fax : 908 789 8922



# 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:

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B = Analyte Found in Associated Method Blank
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() = Laboratory InHouse Limit

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Fax : 908 789 8922



# 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:

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M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
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S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Fax : 908 789 8922



# 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

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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-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

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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-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

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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_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 = PL092655.D RT 075 = PL092656.D

RT 050 = PL092657.D RT 025 = PL092658.D RT 005 = PL092659.D

| COMPOUND | RT 100 | RT 075 | RT 050 | RT 025 | RT 005 | MEAN RT | RT WINDOW FROM | RT WINDOW 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 |

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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_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 = PL092655.D RT 075 = PL092656.D

RT 050 = PL092657.D RT 025 = PL092658.D RT 005 = PL092659.D

| COMPOUND | RT 100 | RT 075 | RT 050 | RT 025 | RT 005 | MEAN RT | RT WINDOW FROM | RT WINDOW 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 |

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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_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 =** PL092655.D **CF 075 =** PL092656.D

**CF 050 =** PL092657.D **CF 025 =** PL092658.D **CF 005 =** PL092659.D

| 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 |

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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_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 =** PL092655.D **CF 075 =** PL092656.D

**CF 050 =** PL092657.D **CF 025 =** PL092658.D **CF 005 =** PL092659.D

| 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 |

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## 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 FROM | RT WINDOW TO | CALIBRATION FACTOR |
|---|---|---|---|---|---|---|
| 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 |

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## 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 FROM | RT WINDOW TO | CALIBRATION FACTOR |
|---|---|---|---|---|---|---|
| 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 |

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## 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 FROM | RT WINDOW 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 |

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## 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 FROM | RT WINDOW TO | DIFF RT |
|---|---|---|---|---|---|
| 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 |

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## 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 | RT WINDOW 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 |

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## 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 | RT WINDOW 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 |

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## 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 FROM | RT WINDOW 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 |

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## 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 FROM | RT WINDOW TO | DIFF RT |
|---|---|---|---|---|---|
| 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 |

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## 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 | RT WINDOW 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 |

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## 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 FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| 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 |

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## 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 | RT WINDOW 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 |

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## 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 FROM | RT WINDOW TO | DIFF RT |
|---|---|---|---|---|---|
| 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 |

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## 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 | RT WINDOW 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 |

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## 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 FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| 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 |

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## 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 FROM | RT WINDOW 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 |

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## 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 FROM | RT WINDOW TO | DIFF RT |
|---|---|---|---|---|---|
| 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 |

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## 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 FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| 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 |

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## 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 FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| 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 |

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## 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 | RT WINDOW 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 |

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## 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 FROM | RT WINDOW TO | DIFF RT |
|---|---|---|---|---|---|
| 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 |

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## 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 FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| 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 |

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## 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 | RT WINDOW 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 |

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## 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 | RT WINDOW 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 |

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## 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 FROM | RT WINDOW TO | DIFF RT |
|---|---|---|---|---|---|
| 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 |

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## 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 FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| 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 |

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## 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 FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| 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 |

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## 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 FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| 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 FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| 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 |

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## 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 FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| 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 FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| 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 |

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## 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 FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| 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 FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| 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 |

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## 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 FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| 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 FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| 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 |

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# 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 # |
|---|---|---|---|---|---|---|
| I.BLK | I.BLK | 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 |
| I.BLK | I.BLK | 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 |
| I.BLK | I.BLK | 11/07/2024 | 15:15 | PL092903.D | 9.06 | 3.54 |
| PSTDCCC050 | PSTDCCC050 | 11/07/2024 | 15:29 | PL092904.D | 9.06 | 3.54 |
| I.BLK | I.BLK | 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 |
| I.BLK | I.BLK | 11/08/2024 | 17:36 | PL092938.D | 9.06 | 3.54 |
| PSTDCCC050 | PSTDCCC050 | 11/08/2024 | 17:49 | PL092939.D | 9.06 | 3.54 |
| I.BLK | I.BLK | 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 |
| I.BLK | I.BLK | 11/11/2024 | 16:35 | PL092959.D | 9.07 | 3.55 |
| PSTDCCC050 | PSTDCCC050 | 11/11/2024 | 16:49 | PL092960.D | 9.06 | 3.54 |

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# 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 # |
|---|---|---|---|---|---|---|
| I.BLK | I.BLK | 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 |
| I.BLK | I.BLK | 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 |
| I.BLK | I.BLK | 11/07/2024 | 15:15 | PL092903.D | 7.92 | 2.78 |
| PSTDCCC050 | PSTDCCC050 | 11/07/2024 | 15:29 | PL092904.D | 7.92 | 2.78 |
| I.BLK | I.BLK | 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 |
| I.BLK | I.BLK | 11/08/2024 | 17:36 | PL092938.D | 7.92 | 2.78 |
| PSTDCCC050 | PSTDCCC050 | 11/08/2024 | 17:49 | PL092939.D | 7.92 | 2.78 |
| I.BLK | I.BLK | 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 |
| I.BLK | I.BLK | 11/11/2024 | 16:35 | PL092959.D | 7.92 | 2.78 |
| PSTDCCC050 | PSTDCCC050 | 11/11/2024 | 16:49 | PL092960.D | 7.92 | 2.78 |

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## 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 FROM | RT WINDOW TO | CONCENTRATION | %RPD |
|---|---|---|---|---|---|---|
| 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 | |

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## 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 FROM | RT WINDOW TO | CONCENTRATION | %RPD |
|---|---|---|---|---|---|---|
| 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 | |

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## 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 FROM | RT WINDOW TO | CONCENTRATION | %RPD |
|---|---|---|---|---|---|---|
| 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 | |

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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 | |

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Fax : 908 789 8922



# 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

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Fax : 908 789 8922



# 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

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Fax : 908 789 8922



# 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
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LOD = Limit of Detection
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M = MS/MSD acceptance criteria did not meet requirements

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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

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# 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

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# 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
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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

# QC SUMMARY

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## Surrogate Summary

**SDG No.:** P4660

**Client:** ENTACT

**Analytical Method:** 8151A

| Lab Sample ID | Client ID | Parameter | Column | Spike | Result | Rec | Qual | Limits Low | Limits 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) |

( ) = LABORATORY INHOUSE LIMIT

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## 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 | Limits Low | Limits High | Limits RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Client Sample ID:** | **WC-TA2-01-CMS** | | | | | | | | | | | |
| P4660-03MS | 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) | |

( ) = LABORATORY INHOUSE LIMIT

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## 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 | Limits Low | Limits High | Limits RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Client Sample ID:** | **WC-TA2-01-CMSD** | | | | | | | | | | | |
| P4660-03MSD | 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 INHOUSE LIMIT

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## 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 Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 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) | |

( ) = LABORATORY INHOUSE LIMIT

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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

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Fax : 908 789 8922



# 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
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S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Fax : 908 789 8922



# 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:

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# 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
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LOD = Limit of Detection
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Fax : 908 789 8922



# 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 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 |
|---|---|---|---|---|
| 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

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# 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

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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-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

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Fax : 908 789 8922



# 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

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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_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 = PS028253.D RT 500 = PS028254.D

RT 750 = PS028255.D RT 1000 = PS028256.D RT 1500 = PS028257.D

| COMPOUND | RT 200 | RT 500 | RT 750 | RT 1000 | RT 1500 | MEAN RT | RT WINDOW FROM | RT WINDOW 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 |

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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_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 = PS028253.D RT 500 = PS028254.D

RT 750 = PS028255.D RT 1000 = PS028256.D RT 1500 = PS028257.D

| COMPOUND | RT 200 | RT 500 | RT 750 | RT 1000 | RT 1500 | MEAN RT | RT WINDOW FROM | RT WINDOW 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 |

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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_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 =** PS028253.D **CF 500 =** PS028254.D

**CF 750 =** PS028255.D **CF 1000 =** PS028256.D **CF 1500 =** PS028257.D

| 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 |

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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_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 =** PS028253.D **CF 500 =** PS028254.D

**CF 750 =** PS028255.D **CF 1000 =** PS028256.D **CF 1500 =** PS028257.D

| 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 |

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## 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 FROM | RT WINDOW TO | DIFF RT |
|---|---|---|---|---|---|
| 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 |

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## 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 FROM | RT WINDOW TO | DIFF RT |
|---|---|---|---|---|---|
| 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 |

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## 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 | RT WINDOW 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 |

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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.:** CCAL01 **Date Analyzed:** 11/07/2024

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

| COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| 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 |

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## 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 FROM | RT WINDOW TO | DIFF RT |
|---|---|---|---|---|---|
| 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 |

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## 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 FROM | RT WINDOW TO | DIFF RT |
|---|---|---|---|---|---|
| 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 |

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## 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 FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| 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 | RT WINDOW 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 |

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# 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 # |
|---|---|---|---|---|---|---|
| I.BLK | I.BLK | 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 |
| I.BLK | I.BLK | 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 |
| I.BLK | I.BLK | 11/07/2024 | 13:52 | PS028319.D | 7.26 | 0.00 |
| HSTDCCC750 | HSTDCCC750 | 11/07/2024 | 14:16 | PS028320.D | 7.26 | 0.00 |

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# 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 # |
|---|---|---|---|---|---|---|
| I.BLK | I.BLK | 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 |
| I.BLK | I.BLK | 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 |
| I.BLK | I.BLK | 11/07/2024 | 13:52 | PS028319.D | 7.76 | 0.00 |
| HSTDCCC750 | HSTDCCC750 | 11/07/2024 | 14:16 | PS028320.D | 7.76 | 0.00 |

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## 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 FROM | RT WINDOW TO | CONCENTRATION | %RPD |
|---|---|---|---|---|---|---|
| 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 | |

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## 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 FROM | RT WINDOW TO | CONCENTRATION | %RPD |
|---|---|---|---|---|---|---|
| 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 | |

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## 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 FROM | RT WINDOW TO | CONCENTRATION | %RPD |
|---|---|---|---|---|---|---|
| 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** | | | **10/30/24** | | | **10/31/24** |
| | | | TCLP Mercury | 7470A | | 11/04/24 | 11/05/24 | |
| | | | TCLPMetals Group2 | 6010D | | 11/04/24 | 11/07/24 | |
| **P4660-07** | **WC-WOOD-01-C** | **TCLP** | | | **10/31/24** | | | **10/31/24** |
| | | | TCLP Mercury | 7470A | | 11/04/24 | 11/05/24 | |
| | | | TCLPMetals Group2 | 6010D | | 11/04/24 | 11/07/24 | |
| **P4660-11** | **WC-CONCRETE-01-C** | **TCLP** | | | **10/31/24** | | | **10/31/24** |
| | | | TCLP Mercury | 7470A | | 11/04/24 | 11/05/24 | |
| | | | TCLPMetals Group2 | 6010D | | 11/04/24 | 11/07/24 | |

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# 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

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# 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

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# 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

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# 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 |

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# 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 |

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# 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 |

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# 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 |

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# 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 |

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# 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 |
| CCV07 | 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 |
| | 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 |

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# 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 |

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# 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 |
| | 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 |
| CCV13 | 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 |

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# Metals

## - 2b -
## CRDL STANDARD FOR AA & ICP

**Client:** ENTACT **SDG No.:** P4660

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

**Initial Calibration Source:**

**Continuing Calibration Source:**

| Sample ID | Analyte | Result ug/L | True Value ug/L | % Recovery | Acceptance Window (%R) | M | Analysis Date | Analysis Time | Run Number |
|---|---|---|---|---|---|---|---|---|---|
| **CRA** | Mercury | 0.21 | 0.2 | 107 | 40 - 160 | CV | 11/05/2024 | 12:07 | LB133297 |
| **CRI01** | Arsenic | 19.9 | 20.0 | 99 | 40 - 160 | P | 11/07/2024 | 14:42 | LB133344 |
| | Barium | 99.8 | 100 | 100 | 40 - 160 | P | 11/07/2024 | 14:42 | LB133344 |
| | Cadmium | 6.45 | 6.0 | 108 | 40 - 160 | P | 11/07/2024 | 14:42 | LB133344 |
| | Chromium | 9.25 | 10.0 | 92 | 40 - 160 | P | 11/07/2024 | 14:42 | LB133344 |
| | Copper | 22.5 | 20.0 | 112 | 40 - 160 | P | 11/07/2024 | 14:42 | LB133344 |
| | Lead | 11.3 | 12.0 | 94 | 40 - 160 | P | 11/07/2024 | 14:42 | LB133344 |
| | Nickel | 38.8 | 40.0 | 97 | 40 - 160 | P | 11/07/2024 | 14:42 | LB133344 |
| | Selenium | 18.8 | 20.0 | 94 | 40 - 160 | P | 11/07/2024 | 14:42 | LB133344 |
| | Silver | 10.7 | 10.0 | 107 | 40 - 160 | P | 11/07/2024 | 14:42 | LB133344 |
| | Zinc | 41.4 | 40.0 | 104 | 40 - 160 | P | 11/07/2024 | 14:42 | LB133344 |

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# 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 |
|---|---|---|---|---|---|---|---|---|---|
| **ICB69** | Mercury | 0.20 | +/-0.20 | U | 0.20 | CV | 11/05/2024 | 12:00 | LB133297 |

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# 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 |
|---|---|---|---|---|---|---|---|---|---|
| **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 |

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# 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 |

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# 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 |

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# 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 |
|---|---|---|---|---|---|---|---|---|---|
| **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 |

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# 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 |

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# 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 |

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# 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 |

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# 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 |

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# Metals
## - 4 -
## INTERFERENCE CHECK SAMPLE

**Client:** ENTACT **SDG No.:** P4660

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

**ICS Source:** EPA **Instrument ID:** P4

| 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
## - 5a -
## MATRIX SPIKE 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-SWEEPINGSMS

**Percent Solids for Sample:** NA **Spiked ID:** P4684-01MS **Percent Solids for Spike Sample:** NA

| 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 |

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# metals
## - 5a -
## MATRIX SPIKE DUPLICATE 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-SWEEPINGSMSD

**Percent Solids for Sample:** NA **Spiked ID:** P4684-01MSD **Percent Solids for Spike Sample:** NA

| 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 |

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# Metals
## - 5b -

**Client:** ENTACT **SDG No.:** P4660

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

**Matrix:** **Level:** LOW **Client ID:**

**Sample ID:** **Spiked ID:**

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

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# Metals

## - 6 -

## 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-SWEEPINGSDUP

**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 ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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# Metals

## - 6 -
## 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 ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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## Metals



### 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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## Metals



### 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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# Metals

## -9 -

## 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) | C | Serial Dilution Result (S) | C | % Difference | Q | M |
|---|---|---|---|---|---|---|---|
| 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
## - 11 -
## 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 |

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# Metals
## - 11 -
## 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 |

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# Metals
## - 11 -
## 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 |

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# Metals
## - 11 -
## 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 |

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# Metals
## - 11 -
## 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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# Metals
## - 13 -
## 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-SWEEPINGSDUP | DUP | WATER | 11/04/2024 | 3.0 | 30.0 | |
| P4684-01MS | MECHANIC-ST-SWEEPINGSMS | MS | WATER | 11/04/2024 | 3.0 | 30.0 | |
| P4684-01MSD | MECHANIC-ST-SWEEPINGSMSD | 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 | |

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# Metals
## - 13 -
## 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:** | **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-SWEEPINGSDUP | DUP | WATER | 11/04/2024 | 5.0 | 25.0 | |
| P4684-01MS | MECHANIC-ST-SWEEPINGSMS | MS | WATER | 11/04/2024 | 5.0 | 25.0 | |
| P4684-01MSD | MECHANIC-ST-SWEEPINGSMSD | 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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**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:** 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-SWEEPINGSL | 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 |

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**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 |
|---|---|---|---|---|
| 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-SWEEPINGSL | 1 | 1615 | Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn |
| P4684-01L | MECHANIC-ST-SWEEPINGSL | 5 | 1620 | Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn |
| P4684-01MS | MECHANIC-ST-SWEEPINGSM | 1 | 1624 | Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn |
| P4684-01MSD | MECHANIC-ST-SWEEPINGSM | 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 |

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**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 |

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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 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 | |

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# LAB CHRONICLE

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | | ASTM TS | SM2540 B | | 11/04/24 10:00 | |
| **P4660-06** | **WC-WOOD-01-C** | **SOIL** | | | **10/31/24 13:30** | | **10/31/24** |
| | | | Oil and Grease | 9071B | | 11/04/24 12:30 | |
| | | | Paint Filter | 9095B | | 11/01/24 14:02 | |
| | | | pH | 9045D | | 11/03/24 09:52 | |
| | | | TS | SM2540 B | | 11/04/24 11:00 | |
| **P4660-07** | **WC-WOOD-01-C** | **SOIL** | | | **10/31/24 13:30** | | **10/31/24** |
| | | | 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 | |
| | | | Reactive Sulfide | 9034 | 11/04/24 | 11/04/24 16:23 | |
| **P4660-08** | **WC-WOOD-01-C** | **WATER** | | | **10/31/24 13:30** | | **10/31/24** |
| | | | ASTM Ammonia | SM4500-NH3 | 11/04/24 | 11/05/24 09:59 | |
| | | | ASTM COD | SM5220 D | | 11/05/24 13:04 | |
| | | | ASTM Oil and Grease | 1664A | | 11/04/24 12:00 | |
| | | | ASTM TS | SM2540 B | | 11/04/24 10:00 | |
| **P4660-10** | **WC-CONCRETE-01-C** | **SOIL** | | | **10/31/24 15:30** | | **10/31/24** |
| | | | Oil and Grease | 9071B | | 11/04/24 12:30 | |
| | | | Paint Filter | 9095B | | 11/01/24 14:10 | |

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## LAB CHRONICLE

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | | pH | 9045D | | | 11/03/24 10:00 |
| | | | TS | SM2540 B | | | 11/04/24 11:00 |
| | | | TVS | 160.4 | | | 11/04/24 17:00 |
| **P4660-11** | **WC-CONCRETE-01-C** | **SOIL** | | | **10/31/24 15:30** | | **10/31/24** |
| | | | Corrosivity | 9045D | | | 11/04/24 10:10 |
| | | | Ignitability | 1030 | | | 11/01/24 15:52 |
| | | | Reactive Cyanide | 9012B | | 11/04/24 | 11/04/24 14:19 |
| | | | Reactive Sulfide | 9034 | | 11/04/24 | 11/04/24 16:25 |
| **P4660-12** | **WC-CONCRETE-01-C** | **WATER** | | | **10/31/24 15:30** | | **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 |
| | | | ASTM TS | SM2540 B | | | 11/04/24 10:00 |

# SAMPLE DATA

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# 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

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# 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
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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

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# 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
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LOD = Limit of Detection
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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

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# 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
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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

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# 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

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# 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:

U = Not Detected
LOQ = Limit of Quantitation
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LOD = Limit of Detection
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B = Analyte Found in Associated Method Blank
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OR = Over Range
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# 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
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LOD = Limit of Detection
D = Dilution
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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

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# 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
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H = Sample Analysis Out Of Hold Time
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N =Spiked sample recovery not within control limits

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# 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:

U = Not Detected
LOQ = Limit of Quantitation
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LOD = Limit of Detection
D = Dilution
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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

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# 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 |

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# 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:** | **ICV** | | | | | | |
| Corrosivity | | pH | 7.01 | 7 | 100 | 90-110 | 11/04/2024 |
| **Sample ID:** | **CCV1** | | | | | | |
| Corrosivity | | pH | 2.01 | 2.00 | 101 | 90-110 | 11/04/2024 |
| **Sample ID:** | **CCV2** | | | | | | |
| Corrosivity | | pH | 12.02 | 12.00 | 100 | 90-110 | 11/04/2024 |
| **Sample ID:** | **CCV3** | | | | | | |
| Corrosivity | | pH | 2.01 | 2.00 | 101 | 90-110 | 11/04/2024 |

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Fax : 908 789 8922



# 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 |

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# 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 |

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# 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 |

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# 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 |

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# 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 |

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# 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 |

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# 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 |

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# 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 |

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# Matrix Spike Summary

**Client:** ENTACT
**Project:** 540 Degraw St, Brooklyn, NY - E9309
**Client ID:** WC-TA2-01-CMSD
**SDG No.:** P4660
**Sample ID:** P4660-02
**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 |

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# 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 |

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# Matrix Spike Summary

**Client:** ENTACT
**Project:** 540 Degraw St, Brooklyn, NY - E9309
**Client ID:** WC-TA2-01-CMSD
**SDG No.:** P4660
**Sample ID:** P4660-04
**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 |

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# Duplicate Sample Summary

**Client:** ENTACT
**Project:** 540 Degraw St, Brooklyn, NY - E9309
**Client ID:** Z-02-WCDUP

**SDG No.:** P4660
**Sample ID:** P4645-04
**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 |

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# Duplicate Sample Summary

**Client:** ENTACT
**Project:** 540 Degraw St, Brooklyn, NY - E9309
**Client ID:** MH-2DUP
**SDG No.:** P4660
**Sample ID:** P4659-01
**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 |

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# 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 |

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# Duplicate Sample Summary

**Client:** ENTACT
**Project:** 540 Degraw St, Brooklyn, NY - E9309
**Client ID:** WC-TA2-01-CMSD
**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 | 84.2 | | 78.6 | | 1 | 6.95 | | 11/04/2024 |

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# Duplicate Sample Summary

**Client:** ENTACT
**Project:** 540 Degraw St, Brooklyn, NY - E9309
**Client ID:** WC-TA2-01-CDUP
**SDG No.:** P4660
**Sample ID:** P4660-03
**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 |

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# Duplicate Sample Summary

**Client:** ENTACT
**Project:** 540 Degraw St, Brooklyn, NY - E9309
**Client ID:** WC-TA2-01-CDUP
**SDG No.:** P4660
**Sample ID:** P4660-04
**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 |

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# 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 |

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# Duplicate Sample Summary

**Client:** ENTACT
**Project:** 540 Degraw St, Brooklyn, NY - E9309
**Client ID:** TAPLPR-SED05-103124-00-T2DUP

**SDG No.:** P4660
**Sample ID:** P4672-05
**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 |

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# 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 |

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# 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 |

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# 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 |

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Fax : 908 789 8922



# 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

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax: (908) 788-9222
www.chemtech.net

# CHAIN OF CUSTODY RECORD

**Alliance Project Number:** P4660

**COC Number:** 2042101



## 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: _____ DAYS*
EDD 5 DAYS*
* TO BE APPROVED BY ALLIANCE
STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

## DATA DELIVERABLE INFORMATION

- ☐ RESULTS ONLY
- ☑ RESULTS + QC
- ☐ New Jersey REDUCED
- ☐ New Jersey CLP
- ☐ USEPA CLP
- ☐ New York State ASP "B"
- ☐ New York State ASP "A"
- ☐ Other _____
- ☐ EDD Format _____

## ANALYSIS

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|
| TCLP VOCs | TCLP ICP Metals | TCLP Herb | TCLP Pest | TCLP SVOCs | TCLP pH | I/C/R | PCBs | Oil & Grease |

| CHEMTECH SAMPLE ID | PROJECT SAMPLE IDENTIFICATION | SAMPLE MATRIX | SAMPLE TYPE COMP | SAMPLE TYPE GRAB | SAMPLE COLLECTION DATE | SAMPLE COLLECTION TIME | # of Bottles | PRESERVATIVES 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 |
| 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 |
| 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 |
| 7. | | | | | | | | | | | | | | | | |
| 8. | | | | | | | | | | | | | | | | |
| 9. | | | | | | | | | | | | | | | | |
| 10. | | | | | | | | | | | | | | | | |

E = PRESERVATIVES

**COMMENTS**

<-- Specify Preservatives
A-HCl B-HNO3
C-H2SO4 D-NaOH
E-ICE F-Other

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

| | DATE/TIME | | |
|---|---|---|---|
| RELINQUISHED BY SAMPLER 1. Jarod Stanfield | 10/31 13:21 | RECEIVED BY 1. | 1325 10-31-24 |
| RELINQUISHED BY 2. | DATE/TIME | RECEIVED BY 2. | |
| RELINQUISHED BY 3. | DATE/TIME 1850 10.31.24 | RECEIVED FOR LAB BY 3. | |

**Conditions of bottles or coolers at receipt:** ☐ Compliant ☐ Non Compliant ☐ Cooler Temp 3.1 C ☐ Ice in Cooler?: _____

**Comments:**

Page _____ of _____

**SHIPPED VIA:** CLIENT: ☐ Hand Delivered ☐ Overnight
ALLIANCE: ☑ Picked Up ☐ Overnight

**Shipment Complete** ☐ YES ☐ NO

**WHITE** - ALLIANCE COPYFOR RETURN TO CLIENT **YELLOW** - ALLIANCE COPY **PINK** - SAMPLER COPY

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax: (908) 788-9222
www.chemtech.net

# CHAIN OF CUSTODY RECORD

Alliance Project Number: P4660

COC Number: 2042101



## 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: DAYS*
EDD 5 DAYS*
* TO BE APPROVED BY ALLIANCE
STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

## DATA DELIVERABLE INFORMATION

- ☐ RESELTS ONLY
- ☑ RESULTS + QC
- ☐ New Jersey REDUCED
- ☐ New Jersey CLP
- ☐ USEPA CLP
- ☐ New York State ASP "B"
- ☐ New York State ASP "A"
- ☐ 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

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|
| E | E | E | E | E | E | E | | |

## COMMENTS

<-- Specify Preservatives
A-HCl B-HNO3
C-H2SO4 D-NaOH
E-ICE F-Other

| CHEMTECH SAMPLE ID | PROJECT SAMPLE IDENTIFICATION | SAMPLE MATRIX | SAMPLE TYPE COMP | SAMPLE TYPE GRAB | SAMPLE COLLECTION DATE | SAMPLE COLLECTION TIME | # of Bottles |
|---|---|---|---|---|---|---|---|
| 1. | WC-TA2-01-G | Soil | | X | 10/28 | 15:15 | 1 |
| 2. | WC-TA2-01-C | Soil | X | | 10/30 | 13:30 | 11 |
| 3. | WC-Wood-01-G | Solid | | X | 10/31 | 12:30 | 1 |
| 4. | WC-Wood-01-C | Solid | X | | 10/31 | 13:30 | 11 |
| 5. | WC-Concrete-01-G | Solid | | X | 10/31 | 14:30 | 1 |
| 6. | WC-Concrete-01-C | Solid | X | | 10/31 | 15:30 | 12 |
| 7. | | | | | | | |
| 8. | | | | | | | |
| 9. | | | | | | | |
| 10. | | | | | | | |

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

| RELINQUISHED BY SAMPLER | DATE/TIME | RECEIVED BY |
|---|---|---|
| 1. Jarod Stanfield | 10/31 1320 | 1. 1325 10-31-24 |
| RELINQUISHED BY | DATE/TIME | RECEIVED BY |
| 2. | | 2. |
| RELINQUISHED BY | DATE/TIME 1855 | RECEIVED FOR LAB BY |
| 3. | 10-31-24 | 3. |

Conditions of bottles or coolers at receipt: ☐ Compliant ☐ Non Compliant ☐ Cooler Temp 3.1 C
☐ Ice in Cooler?:
Comments:

Page of

SHIPPED VIA: CLIENT: ☐ Hand Delivered ☐ Overnight
ALLIANCE: ☑ Picked Up ☐ Overnight

Shipment Complete
☐ YES ☐ NO

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

# 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 |