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

Cover Page

Order ID : P4495

Project ID : NJ Soil PT

Client : Chemtech Consulting Group

Lab Sample Number	Client Sample Number
P4495-01	PT-AN-SOIL
P4495-02	PT-CORR-SOIL
P4495-03	PT-CN-SOIL
P4495-04	PT-CN-SOIL
P4495-05	PT-FP-SOIL
P4495-06	PT-CR6-SOIL
P4495-07	PT-NUT-SOIL
P4495-08	PT-NUT-SOIL
P4495-09	PT-OGR-SOIL
P4495-10	PT-MET-SOIL
P4495-11	PT-BNA-SOIL
P4495-18	PT-PCB-SOIL
P4495-19	PT-PCBO-SOIL
P4495-20	PT-PEST-SOIL
P4495-23	PT-VOA-SOIL
P4495-24	PT-SOL-SOIL
P4495-25	PT-NO2-SOIL

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

Signature : _____

Date: 12/12/2024

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

Chemtech Consulting Group
Project Name: NJ Soil PT
Project # N/A
Chemtech Project # P4495
Test Name: VOCMS Group1

A. Number of Samples and Date of Receipt:
25 Solid samples were received on 10/23/2024.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Ammonia, Anions Group1, Anions Group2, Corrosivity, Cyanide, Diesel Range Organics, EPH, Flash Point, Gasoline Range Organics, Herbicide Group1, Hexavalent Chromium, Mercury, Metals Group3, Metals ICP-Group1, Nitrite, Oil and Grease, PCB, PESTICIDE Group1, PESTICIDE Group2, PESTICIDE Group3, Phosphorus, Total, SVOCMS Group1, SVOCMS Group2, SVOCMS Group3, SVOCMS Group4, TKN, TOC, TS and VOCMS Group1. This data package contains results for VOCMS Group1.

C. Analytical Techniques:
The analysis performed on instrument MSVOA_Y were done using GC column Rxi-624Sil MS, which is 30 meters, 0.25 mm id, 1.4 um df, Restek Cat. #13868. The Trap was supplied by Supelco, VOCARB 3000, ATOMAX XYZ Concentrator.The analysis of VOCMS Group1 was based on method 8260D.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.

The RPD for {VY1031SBSD01} with File ID: VY020088.D met criteria except for Methacrylonitrile[43%] and Tert butyl alcohol[21%]due to difference in results of BS-BSD.

The Blank Spike met requirements for all samples .
The Blank Spike Duplicate for {VY1031SBSD01} with File ID: VY020088.D met requirements for all samples except for Diethyl Ether[120%], Methacrylonitrile[127%] and Tetrahydrofuran[120%]failing high but no positive hit in associated samples therefore no corrective action taken.

The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements .

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The Continuous Calibration met the requirements .
The Tuning criteria met requirements.

Sample PT-VOA-SOIL was diluted due to high concentration.

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

F. Manual Integration Comments:
Please refer to the Manual integration Report included with the un 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.

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CASE NARRATIVE

Chemtech Consulting Group
Project Name: NJ Soil PT
Project # N/A
Chemtech Project # P4495
Test Name: SVOCMS Group1

A. Number of Samples and Date of Receipt:
25 Solid samples were received on 10/23/2024.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Ammonia, Anions Group1, Anions Group2, Corrosivity, Cyanide, Diesel Range Organics, EPH, Flash Point, Gasoline Range Organics, Herbicide Group1, Hexavalent Chromium, Mercury, Metals Group3, Metals ICP-Group1, Nitrite, Oil and Grease, PCB, PESTICIDE Group1, PESTICIDE Group2, PESTICIDE Group3, Phosphorus, Total, SVOCMS Group1, SVOCMS Group2, SVOCMS Group3, SVOCMS Group4, TKN, TOC, TS and VOCMS Group1. This data package contains results for SVOCMS Group1.

C. Analytical Techniques:
The samples were analyzed on instrument BNA_F using GC Column DB-UI 8270D which is 20 meters, 0.18 mm ID, 0.36 um df The analysis of SVOCMS Group1 was based on method 8270E 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 Internal Standards Areas met the acceptable requirements.
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 for {PB164401BS} with File ID: BF140052.D met requirements for all samples except for 4,6-Dinitro-2-methylphenol[118%], The associate samples have no positive hit for these compounds therefore no corrective action was taken.

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

The % RSD is greater than 20% in the Initial Calibration (8270-BF101824.M) for 2,4-Dinitrophenol, Benzidine, these compounds are passing on Linear Regression.

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The Continuous Calibration met the requirements .
The Tuning criteria met requirements.

Sample PT-BNA-SOIL was diluted due to high concentration.

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 <15% 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 > 15% for the Initial Calibration curve for SW-846 analysis.

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

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CASE NARRATIVE

Chemtech Consulting Group
Project Name: NJ Soil PT
Project # N/A
Chemtech Project # P4495
Test Name: PESTICIDE Group1

A. Number of Samples and Date of Receipt:
25 Solid samples were received on 10/23/2024.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Ammonia, Anions Group1, Anions Group2, Corrosivity, Cyanide, Diesel Range Organics, EPH, Flash Point, Gasoline Range Organics, Herbicide Group1, Hexavalent Chromium, Mercury, Metals Group3, Metals ICP-Group1, Nitrite, Oil and Grease, PCB, PESTICIDE Group1, PESTICIDE Group2, PESTICIDE Group3, Phosphorus, Total, SVOCMS Group1, SVOCMS Group2, SVOCMS Group3, SVOCMS Group4, TKN, TOC, TS and VOCMS Group1. This data package contains results for PESTICIDE Group1.

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 PESTICIDE Group1s was based on method 8081B 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 .

Samples PT-PEST-SOIL, PT-PEST-SOILDL were diluted due to high concentrations.

E. Additional Comments:

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

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CASE NARRATIVE

Chemtech Consulting Group
Project Name: NJ Soil PT
Project # N/A
Chemtech Project # P4495
Test Name: PCB

A. Number of Samples and Date of Receipt:
25 Solid samples were received on 10/23/2024.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Ammonia, Anions Group1, Anions Group2, Corrosivity, Cyanide, Diesel Range Organics, EPH, Flash Point, Gasoline Range Organics, Herbicide Group1, Hexavalent Chromium, Mercury, Metals Group3, Metals ICP-Group1, Nitrite, Oil and Grease, PCB, PESTICIDE Group1, PESTICIDE Group2, PESTICIDE Group3, Phosphorus, Total, SVOCMS Group1, SVOCMS Group2, SVOCMS Group3, SVOCMS Group4, TKN, TOC, TS and VOCMS Group1. 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 .

Samples PT-PCB-SOIL, PT-PCBO-SOIL were diluted due to high concentrations.

E. Additional Comments:

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

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

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

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CASE NARRATIVE

Chemtech Consulting Group
Project Name: NJ Soil PT
Project # N/A
Chemtech Project # P4495
Test Name: Metals ICP-Group1,Mercury

A. Number of Samples and Date of Receipt:
25 Solid samples were received on 10/23/2024.

B. Parameters:
According to the Chain of Custody document, the following analyses were requested: Ammonia, Anions Group1, Anions Group2, Corrosivity, Cyanide, Diesel Range Organics, EPH, Flash Point, Gasoline Range Organics, Herbicide Group1, Hexavalent Chromium, Mercury, Metals Group3, Metals ICP-Group1, Nitrite, Oil and Grease, PCB, PESTICIDE Group1, PESTICIDE Group2, PESTICIDE Group3, Phosphorus, Total, SVOCMS Group1, SVOCMS Group2, SVOCMS Group3, SVOCMS Group4, TKN, TOC, TS and VOCMS Group1. This data package contains results for Metals ICP-Group1,Mercury.

C. Analytical Techniques:
The analysis of Metals ICP-Group1 was based on method 6010D, digestion based on method 3050 (soils). The analysis and digestion of Mercury was based on method 7471B.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
Sample PT-MET-SOIL was diluted due to high concentrations for Mercury,Beryllium,Chromium,Lithium,Titanium.
The Blank Spike met requirements for all samples.
The Duplicate analysis met criteria for all samples.
The Matrix Spike analysis met criteria for all samples.
The Matrix Spike Duplicate analysis met criteria for all samples.
The Blank analysis did not indicate the presence of lab contamination.
The Calibration met the requirements.
The Serial Dilution met the acceptable requirements.

E. Additional Comments:

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

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

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CASE NARRATIVE

Chemtech Consulting Group
Project Name: NJ Soil PT
Project # N/A
Chemtech Project # P4495
Test Name: Hexavalent Chromium,TS,Corrosivity,Oil and Grease,Anions Group2,Cyanide,TOC,Phosphorus, Total,Flash Point,TKN,Ammonia,Anions Group1

A. Number of Samples and Date of Receipt:
25 Solid samples were received on 10/23/2024.

B. Parameters:
According to the Chain of Custody document, the following analyses were requested: Ammonia, Anions Group1, Anions Group2, Corrosivity, Cyanide, Diesel Range Organics, EPH, Flash Point, Gasoline Range Organics, Herbicide Group1, Hexavalent Chromium, Mercury, Metals Group3, Metals ICP-Group1, Nitrite, Oil and Grease, PCB, PESTICIDE Group1, PESTICIDE Group2, PESTICIDE Group3, Phosphorus, Total, SVOCMS Group1, SVOCMS Group2, SVOCMS Group3, SVOCMS Group4, TKN, TOC, TS and VOCMS Group1. This data package contains results for Hexavalent Chromium,TS,Corrosivity,Oil and Grease,Anions Group2,Cyanide,TOC,Phosphorus, Total,Flash Point,TKN,Ammonia,Anions Group1.

C. Analytical Techniques:
The analysis of Flash Point was based on method 1010B, The analysis of Hexavalent Chromium was based on method 7196A, The analysis of Cyanide was based on method 9012B, The analysis of Cyanide was based on method 9014, The analysis of Corrosivity was based on method 9045D, The analysis of Anions Group1,Anions Group2 was based on method 9056A, The analysis of TOC was based on method 9060A, The analysis of Oil and Grease was based on method 9071B, The analysis of TOC was based on method Lloyd Kahn, The analysis of TS was based on method SM2540 B, The analysis of TKN was based on method SM4500 N Org B or C and The analysis of Ammonia was based on method SM4500-NH3.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
Sample PT-AN-SOIL was diluted due to high concentrations for Chloride,Fluoride,Nitrate,Sulfate
& Sample PT-CN-SOIL was diluted due to high concentrations for Cyanide
& Sample PT-CN-SOIL was diluted due to high concentrations for Cyanide
& Sample PT-CR6-SOIL was diluted due to high concentrations for Hexavalent Chromium

& Sample PT-NUT-SOIL was diluted due to high concentrations for Ammonia as N,TKN,Phosphorus, Total

The Blank Spike met requirements for all samples.
The Duplicate (COMP-1DUP) analysis met criteria for all samples except for Ammonia as N but sample and Duplicate results are below reporting limit.
The Matrix Spike (COMP-1MS) analysis met criteria for all samples except for Orthophosphate as P due to matrix interference.
The Matrix Spike (WC-3(0-6)MS) analysis met criteria for all samples except for Oil and Grease due to matrix interference.
The Matrix Spike Duplicate (COMP-1MSD) analysis met criteria for all samples except for Orthophosphate as P due to matrix interference.
The Matrix Spike Duplicate (WC-3(0-6)MSD) analysis met criteria for all samples except for Oil and Grease due to matrix interference.
The Blank analysis did not indicate the presence of lab contamination.
The Calibration met the requirements.

E. Additional Comments:
Lab has used least representable sample weight for the samples P4495-07 and P4495-08 for TOC analysis. Therefore Lab has reported the TOC result with "OR" qualifier

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Alliance TECHNICAL GROUP

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DATA REPORTING QUALIFIERS- INORGANIC

For reporting results, the following " Results Qualifiers" are used:

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

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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: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This 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 #: **P4495**

	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:** **12/12/2024**

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LAB CHRONICLE

OrderID:	P4495	**OrderDate:**	10/23/2024 10:29:00 AM
Client:	Chemtech Consulting Group	**Project:**	NJ Soil PT
Contact:	QA Officer	**Location:**	QA Office,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4495-23	**PT-VOA-SOIL**	**SOIL**			**10/21/24**			**10/23/24**
			VOCMS Group1	8260D			10/31/24	
P4495-23DL	**PT-VOA-SOILDL**	**SOIL**			**10/21/24**			**10/23/24**
			VOCMS Group1	8260D			10/31/24	

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Hit Summary Sheet
SW-846

SDG No.: P4495

Client: Chemtech Consulting Group

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	**PT-VOA-SOIL**							
P4495-23	PT-VOA-SOIL	SOIL	1,1-Dichloroethene	130		0.78	5.00	ug/Kg
P4495-23	PT-VOA-SOIL	SOIL	Acetone	300		6.20	25.0	ug/Kg
P4495-23	PT-VOA-SOIL	SOIL	Methyl tert-butyl Ether	140		0.67	5.00	ug/Kg
P4495-23	PT-VOA-SOIL	SOIL	trans-1,2-Dichloroethene	29.3		0.84	5.00	ug/Kg
P4495-23	PT-VOA-SOIL	SOIL	2-Butanone	170		5.70	25.0	ug/Kg
P4495-23	PT-VOA-SOIL	SOIL	Total 1,2-Dichloroethene	29.3		1.45	10.0	ug/Kg
P4495-23	PT-VOA-SOIL	SOIL	Chloroform	190	E	0.67	5.00	ug/Kg
P4495-23	PT-VOA-SOIL	SOIL	1,1,1-Trichloroethane	120		0.78	5.00	ug/Kg
P4495-23	PT-VOA-SOIL	SOIL	Benzene	130		0.72	5.00	ug/Kg
P4495-23	PT-VOA-SOIL	SOIL	1,2-Dichloroethane	150	E	0.61	5.00	ug/Kg
P4495-23	PT-VOA-SOIL	SOIL	Trichloroethene	73.0		0.75	5.00	ug/Kg
P4495-23	PT-VOA-SOIL	SOIL	1,2-Dichloropropane	38.7		0.66	5.00	ug/Kg
P4495-23	PT-VOA-SOIL	SOIL	Dibromomethane	31.9		0.62	5.00	ug/Kg
P4495-23	PT-VOA-SOIL	SOIL	Bromodichloromethane	49.4		0.56	5.00	ug/Kg
P4495-23	PT-VOA-SOIL	SOIL	4-Methyl-2-Pentanone	460		4.40	25.0	ug/Kg
P4495-23	PT-VOA-SOIL	SOIL	Toluene	72.9		0.67	5.00	ug/Kg
P4495-23	PT-VOA-SOIL	SOIL	t-1,3-Dichloropropene	46.2		0.60	5.00	ug/Kg
P4495-23	PT-VOA-SOIL	SOIL	cis-1,3-Dichloropropene	140		0.57	5.00	ug/Kg
P4495-23	PT-VOA-SOIL	SOIL	1,1,2-Trichloroethane	59.3		0.84	5.00	ug/Kg
P4495-23	PT-VOA-SOIL	SOIL	2-Hexanone	420		4.80	25.0	ug/Kg
P4495-23	PT-VOA-SOIL	SOIL	1,2-Dibromoethane	78.8		0.79	5.00	ug/Kg
P4495-23	PT-VOA-SOIL	SOIL	1,1,1,2-Tetrachloroethane	190	E	0.64	5.00	ug/Kg
P4495-23	PT-VOA-SOIL	SOIL	Ethyl Benzene	150	E	0.62	5.00	ug/Kg
P4495-23	PT-VOA-SOIL	SOIL	Total Xylenes	230		2.10	15.0	ug/Kg
P4495-23	PT-VOA-SOIL	SOIL	m/p-Xylenes	110		1.40	10.0	ug/Kg
P4495-23	PT-VOA-SOIL	SOIL	o-Xylene	120		0.70	5.00	ug/Kg
P4495-23	PT-VOA-SOIL	SOIL	Styrene	200	E	0.60	5.00	ug/Kg
P4495-23	PT-VOA-SOIL	SOIL	Bromoform	100		0.81	5.00	ug/Kg
P4495-23	PT-VOA-SOIL	SOIL	1,1,2,2-Tetrachloroethane	81.8		1.10	5.00	ug/Kg
P4495-23	PT-VOA-SOIL	SOIL	tert-Butylbenzene	68.8		0.67	5.00	ug/Kg
P4495-23	PT-VOA-SOIL	SOIL	1,2,4-Trimethylbenzene	150	E	1.40	5.00	ug/Kg
P4495-23	PT-VOA-SOIL	SOIL	1,4-Dichlorobenzene	140		0.80	5.00	ug/Kg
P4495-23	PT-VOA-SOIL	SOIL	1,2-Dibromo-3-Chloropropane	110		1.60	5.00	ug/Kg
P4495-23	PT-VOA-SOIL	SOIL	Naphthalene	66.5		1.50	5.00	ug/Kg
P4495-23	PT-VOA-SOIL	SOIL	1,2,3-Trichlorobenzene	120		0.78	5.00	ug/Kg

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Hit Summary Sheet
SW-846

SDG No.: P4495

Client: Chemtech Consulting Group

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
			Total Voc :	4440				
			Total Concentration:	4440				
Client ID:	**PT-VOA-SOILDL**							
P4495-23DL	PT-VOA-SOILDL	SOIL	1,1-Dichloroethene	120	D	1.60	10.0	ug/Kg
P4495-23DL	PT-VOA-SOILDL	SOIL	Acetone	300	D	12.5	50.0	ug/Kg
P4495-23DL	PT-VOA-SOILDL	SOIL	Methyl tert-butyl Ether	140	D	1.30	10.0	ug/Kg
P4495-23DL	PT-VOA-SOILDL	SOIL	trans-1,2-Dichloroethene	26.7	D	1.70	10.0	ug/Kg
P4495-23DL	PT-VOA-SOILDL	SOIL	2-Butanone	180	D	11.4	50.0	ug/Kg
P4495-23DL	PT-VOA-SOILDL	SOIL	Total 1,2-Dichloroethene	26.7	D	2.90	20.0	ug/Kg
P4495-23DL	PT-VOA-SOILDL	SOIL	Chloroform	190	D	1.30	10.0	ug/Kg
P4495-23DL	PT-VOA-SOILDL	SOIL	1,1,1-Trichloroethane	110	D	1.60	10.0	ug/Kg
P4495-23DL	PT-VOA-SOILDL	SOIL	Benzene	120	D	1.40	10.0	ug/Kg
P4495-23DL	PT-VOA-SOILDL	SOIL	1,2-Dichloroethane	150	D	1.20	10.0	ug/Kg
P4495-23DL	PT-VOA-SOILDL	SOIL	Trichloroethene	66.5	D	1.50	10.0	ug/Kg
P4495-23DL	PT-VOA-SOILDL	SOIL	1,2-Dichloropropane	36.0	D	1.30	10.0	ug/Kg
P4495-23DL	PT-VOA-SOILDL	SOIL	Dibromomethane	31.0	D	1.20	10.0	ug/Kg
P4495-23DL	PT-VOA-SOILDL	SOIL	Bromodichloromethane	46.1	D	1.10	10.0	ug/Kg
P4495-23DL	PT-VOA-SOILDL	SOIL	4-Methyl-2-Pentanone	460	D	8.70	50.0	ug/Kg
P4495-23DL	PT-VOA-SOILDL	SOIL	Toluene	67.6	D	1.30	10.0	ug/Kg
P4495-23DL	PT-VOA-SOILDL	SOIL	t-1,3-Dichloropropene	43.4	D	1.20	10.0	ug/Kg
P4495-23DL	PT-VOA-SOILDL	SOIL	cis-1,3-Dichloropropene	130	D	1.10	10.0	ug/Kg
P4495-23DL	PT-VOA-SOILDL	SOIL	1,1,2-Trichloroethane	58.7	D	1.70	10.0	ug/Kg
P4495-23DL	PT-VOA-SOILDL	SOIL	2-Hexanone	420	D	9.60	50.0	ug/Kg
P4495-23DL	PT-VOA-SOILDL	SOIL	1,2-Dibromoethane	76.8	D	1.60	10.0	ug/Kg
P4495-23DL	PT-VOA-SOILDL	SOIL	1,1,1,2-Tetrachloroethane	170	D	1.30	10.0	ug/Kg
P4495-23DL	PT-VOA-SOILDL	SOIL	Ethyl Benzene	130	D	1.20	10.0	ug/Kg
P4495-23DL	PT-VOA-SOILDL	SOIL	Total Xylenes	210	D	4.10	30.0	ug/Kg
P4495-23DL	PT-VOA-SOILDL	SOIL	m/p-Xylenes	100	D	2.70	20.0	ug/Kg
P4495-23DL	PT-VOA-SOILDL	SOIL	o-Xylene	110	D	1.40	10.0	ug/Kg
P4495-23DL	PT-VOA-SOILDL	SOIL	Styrene	180	D	1.20	10.0	ug/Kg
P4495-23DL	PT-VOA-SOILDL	SOIL	Bromoform	92.0	D	1.60	10.0	ug/Kg
P4495-23DL	PT-VOA-SOILDL	SOIL	1,1,2,2-Tetrachloroethane	78.9	D	2.20	10.0	ug/Kg
P4495-23DL	PT-VOA-SOILDL	SOIL	tert-Butylbenzene	60.6	D	1.30	10.0	ug/Kg
P4495-23DL	PT-VOA-SOILDL	SOIL	1,2,4-Trimethylbenzene	140	D	2.70	10.0	ug/Kg
P4495-23DL	PT-VOA-SOILDL	SOIL	1,4-Dichlorobenzene	130	D	1.60	10.0	ug/Kg
P4495-23DL	PT-VOA-SOILDL	SOIL	1,2-Dibromo-3-Chloropropane	110	D	3.10	10.0	ug/Kg
P4495-23DL	PT-VOA-SOILDL	SOIL	Naphthalene	60.4	D	3.00	10.0	ug/Kg

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Hit Summary Sheet
SW-846

SDG No.: P4495

Client: Chemtech Consulting Group

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P4495-23DL	PT-VOA-SOILDL	SOIL	1,2,3-Trichlorobenzene	110	D	1.60	10.0	ug/Kg
			Total Voc :	4240				
			Total Concentration:	4240				

SAMPLE DATA

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Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	10/21/24
Project:	NJ Soil PT	Date Received:	10/23/24
Client Sample ID:	PT-VOA-SOIL	SDG No.:	P4495
Lab Sample ID:	P4495-23	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020089.D	1		10/31/24 13:05	VY103124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.70	U	1.70	5.00	ug/Kg
74-87-3	Chloromethane	1.20	U	1.20	5.00	ug/Kg
75-01-4	Vinyl Chloride	0.77	U	0.77	5.00	ug/Kg
141-78-6	Ethyl Acetate	1.10	U	1.10	5.00	ug/Kg
108-21-4	Isopropyl Acetate	0.86	U	0.86	5.00	ug/Kg
74-83-9	Bromomethane	1.00	U	1.00	5.00	ug/Kg
75-00-3	Chloroethane	1.00	U	1.00	5.00	ug/Kg
109-99-9	Tetrahydrofuran	5.20	UQ	5.20	25.0	ug/Kg
75-69-4	Trichlorofluoromethane	0.91	U	0.91	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.10	U	1.10	5.00	ug/Kg
75-65-0	Tert butyl alcohol	15.6	U	15.6	25.0	ug/Kg
60-29-7	Diethyl Ether	0.64	UQ	0.64	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	130		0.78	5.00	ug/Kg
107-02-8	Acrolein	5.80	U	5.80	25.0	ug/Kg
107-13-1	Acrylonitrile	5.00	U	5.00	25.0	ug/Kg
67-64-1	Acetone	300		6.20	25.0	ug/Kg
75-15-0	Carbon Disulfide	1.30	U	1.30	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	140		0.67	5.00	ug/Kg
79-20-9	Methyl Acetate	1.80	U	1.80	5.00	ug/Kg
75-09-2	Methylene Chloride	3.40	U	3.40	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	29.3		0.84	5.00	ug/Kg
108-05-4	Vinyl Acetate	2.80	U	2.80	25.0	ug/Kg
75-34-3	1,1-Dichloroethane	0.63	U	0.63	5.00	ug/Kg
110-82-7	Cyclohexane	0.69	U	0.69	5.00	ug/Kg
78-93-3	2-Butanone	170		5.70	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	0.87	U	0.87	5.00	ug/Kg
594-20-7	2,2-Dichloropropane	1.60	U	1.60	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.61	U	0.61	5.00	ug/Kg
540-59-0	Total 1,2-Dichloroethene	29.3		1.45	10.0	ug/Kg
74-97-5	Bromochloromethane	2.40	U	2.40	5.00	ug/Kg

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Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	10/21/24
Project:	NJ Soil PT	Date Received:	10/23/24
Client Sample ID:	PT-VOA-SOIL	SDG No.:	P4495
Lab Sample ID:	P4495-23	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020089.D	1		10/31/24 13:05	VY103124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
67-66-3	Chloroform	190	E	0.67	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	120		0.78	5.00	ug/Kg
108-87-2	Methylcyclohexane	0.87	U	0.87	5.00	ug/Kg
563-58-6	1,1-Dichloropropene	0.73	U	0.73	5.00	ug/Kg
71-43-2	Benzene	130		0.72	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	150	E	0.61	5.00	ug/Kg
79-01-6	Trichloroethene	73.0		0.75	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	38.7		0.66	5.00	ug/Kg
74-95-3	Dibromomethane	31.9		0.62	5.00	ug/Kg
75-27-4	Bromodichloromethane	49.4		0.56	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	460		4.40	25.0	ug/Kg
80-62-6	Methyl methacrylate	0.74	U	0.74	5.00	ug/Kg
108-88-3	Toluene	72.9		0.67	5.00	ug/Kg
10061-02-6	t-1,3-Dichloropropene	46.2		0.60	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	140		0.57	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	59.3		0.84	5.00	ug/Kg
142-28-9	1,3-Dichloropropane	0.59	U	0.59	5.00	ug/Kg
110-75-8	2-Chloroethyl Vinyl ether	12.8	U	12.8	25.0	ug/Kg
591-78-6	2-Hexanone	420		4.80	25.0	ug/Kg
124-48-1	Dibromochloromethane	0.65	U	0.65	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	78.8		0.79	5.00	ug/Kg
127-18-4	Tetrachloroethene	0.89	U	0.89	5.00	ug/Kg
108-90-7	Chlorobenzene	0.74	U	0.74	5.00	ug/Kg
630-20-6	1,1,1,2-Tetrachloroethane	190	E	0.64	5.00	ug/Kg
67-72-1	Hexachloroethane	0.80	U	0.80	5.00	ug/Kg
100-41-4	Ethyl Benzene	150	E	0.62	5.00	ug/Kg
179601-23-1	m/p-Xylenes	110		1.40	10.0	ug/Kg
1330-20-7	Total Xylenes	230		2.10	15.0	ug/Kg
95-47-6	o-Xylene	120		0.70	5.00	ug/Kg
100-42-5	Styrene	200	E	0.60	5.00	ug/Kg
75-25-2	Bromoform	100		0.81	5.00	ug/Kg

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Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	10/21/24
Project:	NJ Soil PT	Date Received:	10/23/24
Client Sample ID:	PT-VOA-SOIL	SDG No.:	P4495
Lab Sample ID:	P4495-23	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020089.D	1		10/31/24 13:05	VY103124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
98-82-8	Isopropylbenzene	0.67	U	0.67	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	81.8		1.10	5.00	ug/Kg
96-18-4	1,2,3-Trichloropropane	1.20	U	1.20	5.00	ug/Kg
108-86-1	Bromobenzene	0.65	U	0.65	5.00	ug/Kg
103-65-1	n-propylbenzene	0.64	U	0.64	5.00	ug/Kg
95-49-8	2-Chlorotoluene	0.62	U	0.62	5.00	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	0.64	U	0.64	5.00	ug/Kg
106-43-4	4-Chlorotoluene	0.59	U	0.59	5.00	ug/Kg
98-06-6	tert-Butylbenzene	68.8		0.67	5.00	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	150	E	1.40	5.00	ug/Kg
135-98-8	sec-Butylbenzene	0.67	U	0.67	5.00	ug/Kg
99-87-6	p-Isopropyltoluene	0.58	U	0.58	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.74	U	0.74	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	140		0.80	5.00	ug/Kg
104-51-8	n-Butylbenzene	0.63	U	0.63	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.59	U	0.59	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	110		1.60	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.79	U	0.79	5.00	ug/Kg
87-68-3	Hexachlorobutadiene	0.81	U	0.81	5.00	ug/Kg
91-20-3	Naphthalene	66.5		1.50	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	120		0.78	5.00	ug/Kg
628-63-7	N-amyl acetate	0.95	U	0.95	5.00	ug/Kg
74-88-4	Methyl Iodide	0.80	U	0.80	5.00	ug/Kg
107-05-1	Allyl chloride	0.57	U	0.57	5.00	ug/Kg
110-57-6	trans-1,4-Dichloro-2-butene	0.80	U	0.80	5.00	ug/Kg
126-98-7	Methacrylonitrile	1.50	UQ	1.50	5.00	ug/Kg
97-63-2	Ethyl methacrylate	0.73	U	0.73	5.00	ug/Kg
108-20-3	Diisopropyl ether	0.57	U	0.57	5.00	ug/Kg
123-91-1	1,4-Dioxane	42.5	U	42.5	100	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.8		50 - 163	100%	SPK: 50

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Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	10/21/24
Project:	NJ Soil PT	Date Received:	10/23/24
Client Sample ID:	PT-VOA-SOIL	SDG No.:	P4495
Lab Sample ID:	P4495-23	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020089.D	1		10/31/24 13:05	VY103124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
1868-53-7	Dibromofluoromethane	50.5		54 - 147	101%	SPK: 50
2037-26-5	Toluene-d8	52.1		58 - 134	104%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.3		29 - 146	103%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	251000	7.713			
540-36-3	1,4-Difluorobenzene	445000	8.616			
3114-55-4	Chlorobenzene-d5	375000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	174000	13.346			

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:	Chemtech Consulting Group	Date Collected:	10/21/24
Project:	NJ Soil PT	Date Received:	10/23/24
Client Sample ID:	PT-VOA-SOILDL	SDG No.:	P4495
Lab Sample ID:	P4495-23DL	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020091.D	2		10/31/24 13:51	VY103124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	3.30	UD	3.30	10.0	ug/Kg
74-87-3	Chloromethane	2.30	UD	2.30	10.0	ug/Kg
75-01-4	Vinyl Chloride	1.50	UD	1.50	10.0	ug/Kg
141-78-6	Ethyl Acetate	2.20	UD	2.20	10.0	ug/Kg
108-21-4	Isopropyl Acetate	1.70	UD	1.70	10.0	ug/Kg
74-83-9	Bromomethane	2.10	UD	2.10	10.0	ug/Kg
75-00-3	Chloroethane	2.00	UD	2.00	10.0	ug/Kg
109-99-9	Tetrahydrofuran	10.5	UDQ	10.5	50.0	ug/Kg
75-69-4	Trichlorofluoromethane	1.80	UD	1.80	10.0	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	2.10	UD	2.10	10.0	ug/Kg
75-65-0	Tert butyl alcohol	31.2	UD	31.2	50.0	ug/Kg
60-29-7	Diethyl Ether	1.30	UDQ	1.30	10.0	ug/Kg
75-35-4	1,1-Dichloroethene	120	D	1.60	10.0	ug/Kg
107-02-8	Acrolein	11.7	UD	11.7	50.0	ug/Kg
107-13-1	Acrylonitrile	10.0	UD	10.0	50.0	ug/Kg
67-64-1	Acetone	300	D	12.5	50.0	ug/Kg
75-15-0	Carbon Disulfide	2.60	UD	2.60	10.0	ug/Kg
1634-04-4	Methyl tert-butyl Ether	140	D	1.30	10.0	ug/Kg
79-20-9	Methyl Acetate	3.60	UD	3.60	10.0	ug/Kg
75-09-2	Methylene Chloride	6.80	UD	6.80	20.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	26.7	D	1.70	10.0	ug/Kg
108-05-4	Vinyl Acetate	5.70	UD	5.70	50.0	ug/Kg
75-34-3	1,1-Dichloroethane	1.30	UD	1.30	10.0	ug/Kg
110-82-7	Cyclohexane	1.40	UD	1.40	10.0	ug/Kg
78-93-3	2-Butanone	180	D	11.4	50.0	ug/Kg
56-23-5	Carbon Tetrachloride	1.70	UD	1.70	10.0	ug/Kg
594-20-7	2,2-Dichloropropane	3.20	UD	3.20	10.0	ug/Kg
540-59-0	Total 1,2-Dichloroethene	26.7	D	2.90	20.0	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.20	UD	1.20	10.0	ug/Kg
74-97-5	Bromochloromethane	4.80	UD	4.80	10.0	ug/Kg

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Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	10/21/24
Project:	NJ Soil PT	Date Received:	10/23/24
Client Sample ID:	PT-VOA-SOILDL	SDG No.:	P4495
Lab Sample ID:	P4495-23DL	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020091.D	2		10/31/24 13:51	VY103124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
67-66-3	Chloroform	190	D	1.30	10.0	ug/Kg
71-55-6	1,1,1-Trichloroethane	110	D	1.60	10.0	ug/Kg
108-87-2	Methylcyclohexane	1.70	UD	1.70	10.0	ug/Kg
563-58-6	1,1-Dichloropropene	1.50	UD	1.50	10.0	ug/Kg
71-43-2	Benzene	120	D	1.40	10.0	ug/Kg
107-06-2	1,2-Dichloroethane	150	D	1.20	10.0	ug/Kg
79-01-6	Trichloroethene	66.5	D	1.50	10.0	ug/Kg
78-87-5	1,2-Dichloropropane	36.0	D	1.30	10.0	ug/Kg
74-95-3	Dibromomethane	31.0	D	1.20	10.0	ug/Kg
75-27-4	Bromodichloromethane	46.1	D	1.10	10.0	ug/Kg
108-10-1	4-Methyl-2-Pentanone	460	D	8.70	50.0	ug/Kg
80-62-6	Methyl methacrylate	1.50	UD	1.50	10.0	ug/Kg
108-88-3	Toluene	67.6	D	1.30	10.0	ug/Kg
10061-02-6	t-1,3-Dichloropropene	43.4	D	1.20	10.0	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	130	D	1.10	10.0	ug/Kg
79-00-5	1,1,2-Trichloroethane	58.7	D	1.70	10.0	ug/Kg
142-28-9	1,3-Dichloropropane	1.20	UD	1.20	10.0	ug/Kg
110-75-8	2-Chloroethyl Vinyl ether	25.6	UD	25.6	50.0	ug/Kg
591-78-6	2-Hexanone	420	D	9.60	50.0	ug/Kg
124-48-1	Dibromochloromethane	1.30	UD	1.30	10.0	ug/Kg
106-93-4	1,2-Dibromoethane	76.8	D	1.60	10.0	ug/Kg
127-18-4	Tetrachloroethene	1.80	UD	1.80	10.0	ug/Kg
108-90-7	Chlorobenzene	1.50	UD	1.50	10.0	ug/Kg
630-20-6	1,1,1,2-Tetrachloroethane	170	D	1.30	10.0	ug/Kg
67-72-1	Hexachloroethane	1.60	UD	1.60	10.0	ug/Kg
100-41-4	Ethyl Benzene	130	D	1.20	10.0	ug/Kg
179601-23-1	m/p-Xylenes	100	D	2.70	20.0	ug/Kg
1330-20-7	Total Xylenes	210	D	4.10	30.0	ug/Kg
95-47-6	o-Xylene	110	D	1.40	10.0	ug/Kg
100-42-5	Styrene	180	D	1.20	10.0	ug/Kg
75-25-2	Bromoform	92.0	D	1.60	10.0	ug/Kg

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Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	10/21/24
Project:	NJ Soil PT	Date Received:	10/23/24
Client Sample ID:	PT-VOA-SOILDL	SDG No.:	P4495
Lab Sample ID:	P4495-23DL	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020091.D	2		10/31/24 13:51	VY103124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
98-82-8	Isopropylbenzene	1.30	UD	1.30	10.0	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	78.9	D	2.20	10.0	ug/Kg
96-18-4	1,2,3-Trichloropropane	2.30	UD	2.30	10.0	ug/Kg
108-86-1	Bromobenzene	1.30	UD	1.30	10.0	ug/Kg
103-65-1	n-propylbenzene	1.30	UD	1.30	10.0	ug/Kg
95-49-8	2-Chlorotoluene	1.20	UD	1.20	10.0	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	1.30	UD	1.30	10.0	ug/Kg
106-43-4	4-Chlorotoluene	1.20	UD	1.20	10.0	ug/Kg
98-06-6	tert-Butylbenzene	60.6	D	1.30	10.0	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	140	D	2.70	10.0	ug/Kg
135-98-8	sec-Butylbenzene	1.30	UD	1.30	10.0	ug/Kg
99-87-6	p-Isopropyltoluene	1.20	UD	1.20	10.0	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.50	UD	1.50	10.0	ug/Kg
106-46-7	1,4-Dichlorobenzene	130	D	1.60	10.0	ug/Kg
104-51-8	n-Butylbenzene	1.30	UD	1.30	10.0	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.20	UD	1.20	10.0	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	110	D	3.10	10.0	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.60	UD	1.60	10.0	ug/Kg
87-68-3	Hexachlorobutadiene	1.60	UD	1.60	10.0	ug/Kg
91-20-3	Naphthalene	60.4	D	3.00	10.0	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	110	D	1.60	10.0	ug/Kg
628-63-7	N-amyl acetate	1.90	UD	1.90	10.0	ug/Kg
74-88-4	Methyl Iodide	1.60	UD	1.60	10.0	ug/Kg
107-05-1	Allyl chloride	1.10	UD	1.10	10.0	ug/Kg
110-57-6	trans-1,4-Dichloro-2-butene	1.60	UD	1.60	10.0	ug/Kg
126-98-7	Methacrylonitrile	3.00	UDQ	3.00	10.0	ug/Kg
97-63-2	Ethyl methacrylate	1.50	UD	1.50	10.0	ug/Kg
108-20-3	Diisopropyl ether	1.10	UD	1.10	10.0	ug/Kg
123-91-1	1,4-Dioxane	85.0	UD	85.0	200	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.3		50 - 163	101%	SPK: 50

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Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	10/21/24
Project:	NJ Soil PT	Date Received:	10/23/24
Client Sample ID:	PT-VOA-SOILDL	SDG No.:	P4495
Lab Sample ID:	P4495-23DL	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020091.D	2		10/31/24 13:51	VY103124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
1868-53-7	Dibromofluoromethane	48.2		54 - 147	96%	SPK: 50
2037-26-5	Toluene-d8	48.7		58 - 134	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.8		29 - 146	98%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	252000	7.713			
540-36-3	1,4-Difluorobenzene	460000	8.616			
3114-55-4	Chlorobenzene-d5	397000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	184000	13.34			

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.: P4495

Client: Chemtech Consulting Group

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
P4495-23	PT-VOA-SOIL	1,2-Dichloroethane-d4	50	49.8	100	50	163
		Dibromofluoromethane	50	50.5	101	54	147
		Toluene-d8	50	52.1	104	58	134
		4-Bromofluorobenzene	50	51.3	103	29	146
P4495-23DL	PT-VOA-SOILDL	1,2-Dichloroethane-d4	50	50.3	101	50	163
		Dibromofluoromethane	50	48.2	96	54	147
		Toluene-d8	50	48.7	97	58	134
		4-Bromofluorobenzene	50	48.8	98	29	146
VY1031SBL01	VY1031SBL01	1,2-Dichloroethane-d4	50	49.2	98	50	163
		Dibromofluoromethane	50	47.9	96	54	147
		Toluene-d8	50	46.6	93	58	134
		4-Bromofluorobenzene	50	43.4	87	29	146
VY1031SBS01	VY1031SBS01	1,2-Dichloroethane-d4	50	53.0	106	50	163
		Dibromofluoromethane	50	51.8	104	54	147
		Toluene-d8	50	52.6	105	58	134
		4-Bromofluorobenzene	50	52.2	104	29	146
VY1031SBSD01	VY1031SBSD01	1,2-Dichloroethane-d4	50	50.9	102	50	163
		Dibromofluoromethane	50	49.9	100	54	147
		Toluene-d8	50	48.4	97	58	134
		4-Bromofluorobenzene	50	48.0	96	29	146

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4495

Client: Chemtech Consulting Group

Analytical Method: SW8260D **Datafile :** VY020087.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY1031SBS01	Dichlorodifluoromethane	20	21.2	ug/Kg	106			64	136	
	Chloromethane	20	22.5	ug/Kg	113			70	130	
	Vinyl chloride	20	21.3	ug/Kg	106			72	129	
	Ethyl Acetate	20	19.9	ug/Kg	100			77	113	
	Isopropylacetate	20	18.9	ug/Kg	95			84	110	
	Bromomethane	20	21.8	ug/Kg	109			58	141	
	Chloroethane	20	21.0	ug/Kg	105			69	130	
	Tetrahydrofuran	100	100	ug/Kg	100			78	107	
	Trichlorofluoromethane	20	20.7	ug/Kg	104			69	134	
	1,1,2-Trichlorotrifluoroethane	20	21.0	ug/Kg	105			81	123	
	Tert butyl alcohol	100	97.2	ug/Kg	97			24	175	
	Diethyl Ether	20	20.9	ug/Kg	104			87	115	
	1,1-Dichloroethene	20	21.4	ug/Kg	107			79	121	
	Acrolein	100	110	ug/Kg	110			54	141	
	Acrylonitrile	100	100	ug/Kg	100			68	136	
	Acetone	100	87.4	ug/Kg	87			60	131	
	Carbon disulfide	20	21.7	ug/Kg	109			45	154	
	Methyl tert-butyl Ether	20	20.7	ug/Kg	104			77	129	
	Methyl Acetate	20	20.7	ug/Kg	104			69	149	
	Methylene Chloride	20	19.5	ug/Kg	98			56	174	
	trans-1,2-Dichloroethene	20	21.0	ug/Kg	105			80	123	
	Vinyl Acetate	100	100	ug/Kg	100			86	117	
	1,1-Dichloroethane	20	21.8	ug/Kg	109			82	123	
	Cyclohexane	20	20.5	ug/Kg	103			76	122	
	2-Butanone	100	94.6	ug/Kg	95			69	131	
	Carbon Tetrachloride	20	20.4	ug/Kg	102			76	129	
	2,2-Dichloropropane	20	20.2	ug/Kg	101			62	143	
	cis-1,2-Dichloroethene	20	21.8	ug/Kg	109			82	123	
	Bromochloromethane	20	19.0	ug/Kg	95			80	127	
	Chloroform	20	21.4	ug/Kg	107			82	125	
	1,1,1-Trichloroethane	20	21.4	ug/Kg	107			80	126	
	Methylcyclohexane	20	19.6	ug/Kg	98			77	123	
	1,1-Dichloropropene	20	20.6	ug/Kg	103			84	119	
	Benzene	20	21.0	ug/Kg	105			84	121	
	1,2-Dichloroethane	20	21.3	ug/Kg	106			81	126	
	Trichloroethene	20	20.9	ug/Kg	104			83	122	
	1,2-Dichloropropane	20	21.2	ug/Kg	106			83	122	
	Dibromomethane	20	19.9	ug/Kg	100			83	119	
	Bromodichloromethane	20	21.3	ug/Kg	106			82	123	
	4-Methyl-2-Pentanone	100	95.2	ug/Kg	95			70	135	
	Methyl methacrylate	20	19.9	ug/Kg	100			77	121	
	Toluene	20	21.0	ug/Kg	105			83	122	
	t-1,3-Dichloropropene	20	19.7	ug/Kg	99			78	124	
	cis-1,3-Dichloropropene	20	20.9	ug/Kg	104			81	122	
	1,1,2-Trichloroethane	20	21.0	ug/Kg	105			82	125	
	1,3-Dichloropropane	20	20.5	ug/Kg	103			80	125	
	2-Chloroethyl vinyl ether	100	96.2	ug/Kg	96			36	195	
	2-Hexanone	100	90.7	ug/Kg	91			66	138	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4495

Client: Chemtech Consulting Group

Analytical Method: SW8260D **Datafile :** VY020087.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY1031SBS01	Dibromochloromethane	20	20.3	ug/Kg	102			79	125	
	1,2-Dibromoethane	20	20.3	ug/Kg	102			80	125	
	Tetrachloroethene	20	20.5	ug/Kg	103			83	125	
	Chlorobenzene	20	21.2	ug/Kg	106			84	122	
	1,1,1,2-Tetrachloroethane	20	20.7	ug/Kg	104			84	123	
	Hexachloroethane	20	20.4	ug/Kg	102			76	121	
	Ethyl Benzene	20	21.2	ug/Kg	106			82	124	
	m/p-Xylenes	40	42.8	ug/Kg	107			83	124	
	o-Xylene	20	21.3	ug/Kg	106			83	123	
	Styrene	20	21.4	ug/Kg	107			82	124	
	Bromoform	20	19.6	ug/Kg	98			75	127	
	Isopropylbenzene	20	21.3	ug/Kg	106			82	124	
	1,1,2,2-Tetrachloroethane	20	20.7	ug/Kg	104			77	127	
	1,2,3-Trichloropropane	20	21.6	ug/Kg	108			58	144	
	Bromobenzene	20	21.4	ug/Kg	107			83	120	
	N-propylbenzene	20	21.5	ug/Kg	108			81	123	
	2-Chlorotoluene	20	21.3	ug/Kg	106			84	118	
	1,3,5-Trimethylbenzene	20	21.7	ug/Kg	109			82	124	
	4-Chlorotoluene	20	21.8	ug/Kg	109			82	122	
	tert-Butylbenzene	20	21.7	ug/Kg	109			81	125	
	1,2,4-Trimethylbenzene	20	21.3	ug/Kg	106			81	125	
	Sec-butylbenzene	20	21.1	ug/Kg	106			80	124	
	p-Isopropyltoluene	20	21.1	ug/Kg	106			81	125	
	1,3-Dichlorobenzene	20	20.8	ug/Kg	104			83	122	
	1,4-Dichlorobenzene	20	20.8	ug/Kg	104			84	121	
	n-Butylbenzene	20	20.8	ug/Kg	104			78	126	
	1,2-Dichlorobenzene	20	20.8	ug/Kg	104			83	124	
	1,2-Dibromo-3-Chloropropane	20	18.7	ug/Kg	94			66	134	
	1,2,4-Trichlorobenzene	20	19.3	ug/Kg	97			78	127	
	Hexachlorobutadiene	20	19.1	ug/Kg	96			80	123	
	Naphthalene	20	17.6	ug/Kg	88			70	134	
	1,2,3-Trichlorobenzene	20	18.2	ug/Kg	91			70	137	
	N-amyl acetate	20	19.2	ug/Kg	96			85	115	
	Methyl iodide	20	22.5	ug/Kg	113			57	135	
	Allyl chloride	20	21.8	ug/Kg	109			89	113	
	Methacrylonitrile	20	16.4	ug/Kg	82			75	120	
	trans-1,4-Dichloro-2-butene	20	18.2	ug/Kg	91			74	115	
	Ethyl methacrylate	20	19.9	ug/Kg	100			86	114	
	Diisopropyl ether	20	21.7	ug/Kg	109			88	125	
	1,4-Dioxane	400	370	ug/Kg	93			61	144	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4495

Client: Chemtech Consulting Group

Analytical Method: SW8260D **Datafile :** VY020088.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY1031SBSD01	Dichlorodifluoromethane	20	21.8	ug/Kg	109	3		64	136	20
	Chloromethane	20	21.8	ug/Kg	109	4		70	130	20
	Vinyl chloride	20	20.7	ug/Kg	104	2		72	129	20
	Ethyl Acetate	20	21.5	ug/Kg	108	8		77	113	20
	Isopropylacetate	20	21.1	ug/Kg	106	11		84	110	20
	Bromomethane	20	22.3	ug/Kg	112	3		58	141	20
	Chloroethane	20	21.5	ug/Kg	108	3		69	130	20
	Tetrahydrofuran	100	120	ug/Kg	120	18	*	78	107	20
	Trichlorofluoromethane	20	19.9	ug/Kg	100	4		69	134	20
	1,1,2-Trichlorotrifluoroethane	20	20.5	ug/Kg	103	2		81	123	20
	Tert butyl alcohol	100	120	ug/Kg	120	21	*	24	175	20
	Diethyl Ether	20	24.0	ug/Kg	120	14	*	87	115	20
	1,1-Dichloroethene	20	21.3	ug/Kg	106	1		79	121	20
	Acrolein	100	110	ug/Kg	110	0		54	141	20
	Acrylonitrile	100	120	ug/Kg	120	18		68	136	20
	Acetone	100	100	ug/Kg	100	14		60	131	20
	Carbon disulfide	20	21.1	ug/Kg	106	3		45	154	20
	Methyl tert-butyl Ether	20	22.5	ug/Kg	113	8		77	129	20
	Methyl Acetate	20	22.7	ug/Kg	114	9		69	149	20
	Methylene Chloride	20	20.4	ug/Kg	102	4		56	174	20
	trans-1,2-Dichloroethene	20	21.0	ug/Kg	105	0		80	123	20
	Vinyl Acetate	100	110	ug/Kg	110	10		86	117	20
	1,1-Dichloroethane	20	21.6	ug/Kg	108	1		82	123	20
	Cyclohexane	20	20.0	ug/Kg	100	3		76	122	20
	2-Butanone	100	110	ug/Kg	110	15		69	131	20
	Carbon Tetrachloride	20	19.7	ug/Kg	99	3		76	129	20
	2,2-Dichloropropane	20	20.4	ug/Kg	102	1		62	143	20
	cis-1,2-Dichloroethene	20	21.8	ug/Kg	109	0		82	123	20
	Bromochloromethane	20	21.3	ug/Kg	106	11		80	127	20
	Chloroform	20	21.5	ug/Kg	108	1		82	125	20
	1,1,1-Trichloroethane	20	21.1	ug/Kg	106	1		80	126	20
	Methylcyclohexane	20	19.5	ug/Kg	98	0		77	123	20
	1,1-Dichloropropene	20	20.3	ug/Kg	102	1		84	119	20
	Benzene	20	20.9	ug/Kg	104	1		84	121	20
	1,2-Dichloroethane	20	21.6	ug/Kg	108	2		81	126	20
	Trichloroethene	20	20.5	ug/Kg	103	1		83	122	20
	1,2-Dichloropropane	20	21.1	ug/Kg	106	0		83	122	20
	Dibromomethane	20	21.0	ug/Kg	105	5		83	119	20
	Bromodichloromethane	20	21.1	ug/Kg	106	0		82	123	20
	4-Methyl-2-Pentanone	100	110	ug/Kg	110	15		70	135	20
	Methyl methacrylate	20	21.8	ug/Kg	109	9		77	121	20
	Toluene	20	21.1	ug/Kg	106	1		83	122	20
	t-1,3-Dichloropropene	20	20.9	ug/Kg	104	5		78	124	20
	cis-1,3-Dichloropropene	20	21.2	ug/Kg	106	2		81	122	20
	1,1,2-Trichloroethane	20	21.6	ug/Kg	108	3		82	125	20
	1,3-Dichloropropane	20	21.4	ug/Kg	107	4		80	125	20
	2-Chloroethyl vinyl ether	100	100	ug/Kg	100	4		36	195	20
	2-Hexanone	100	100	ug/Kg	100	9		66	138	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4495

Client: Chemtech Consulting Group

Analytical Method: SW8260D **Datafile :** VY020088.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY1031SBSD01	Dibromochloromethane	20	20.8	ug/Kg	104	2		79	125	20
	1,2-Dibromoethane	20	21.2	ug/Kg	106	4		80	125	20
	Tetrachloroethene	20	20.3	ug/Kg	102	1		83	125	20
	Chlorobenzene	20	20.7	ug/Kg	104	2		84	122	20
	1,1,1,2-Tetrachloroethane	20	20.6	ug/Kg	103	1		84	123	20
	Hexachloroethane	20	20.2	ug/Kg	101	1		76	121	20
	Ethyl Benzene	20	20.6	ug/Kg	103	3		82	124	20
	m/p-Xylenes	40	41.2	ug/Kg	103	4		83	124	20
	o-Xylene	20	20.5	ug/Kg	103	3		83	123	20
	Styrene	20	20.9	ug/Kg	104	3		82	124	20
	Bromoform	20	20.7	ug/Kg	104	6		75	127	20
	Isopropylbenzene	20	21.0	ug/Kg	105	1		82	124	20
	1,1,2,2-Tetrachloroethane	20	21.8	ug/Kg	109	5		77	127	20
	1,2,3-Trichloropropane	20	22.0	ug/Kg	110	2		58	144	20
	Bromobenzene	20	21.3	ug/Kg	106	1		83	120	20
	N-propylbenzene	20	21.1	ug/Kg	106	2		81	123	20
	2-Chlorotoluene	20	21.3	ug/Kg	106	0		84	118	20
	1,3,5-Trimethylbenzene	20	21.2	ug/Kg	106	3		82	124	20
	4-Chlorotoluene	20	21.4	ug/Kg	107	2		82	122	20
	tert-Butylbenzene	20	21.5	ug/Kg	108	1		81	125	20
	1,2,4-Trimethylbenzene	20	21.4	ug/Kg	107	1		81	125	20
	Sec-butylbenzene	20	20.9	ug/Kg	104	2		80	124	20
	p-Isopropyltoluene	20	20.7	ug/Kg	104	2		81	125	20
	1,3-Dichlorobenzene	20	20.8	ug/Kg	104	0		83	122	20
	1,4-Dichlorobenzene	20	20.7	ug/Kg	104	0		84	121	20
	n-Butylbenzene	20	20.4	ug/Kg	102	2		78	126	20
	1,2-Dichlorobenzene	20	21.4	ug/Kg	107	3		83	124	20
	1,2-Dibromo-3-Chloropropane	20	20.6	ug/Kg	103	9		66	134	20
	1,2,4-Trichlorobenzene	20	19.7	ug/Kg	99	2		78	127	20
	Hexachlorobutadiene	20	19.4	ug/Kg	97	1		80	123	20
	Naphthalene	20	19.7	ug/Kg	99	12		70	134	20
	1,2,3-Trichlorobenzene	20	19.1	ug/Kg	96	5		70	137	20
	N-amyl acetate	20	21.0	ug/Kg	105	9		85	115	20
	Methyl iodide	20	23.0	ug/Kg	115	2		57	135	20
	Allyl chloride	20	21.9	ug/Kg	110	1		89	113	20
	Methacrylonitrile	20	25.4	ug/Kg	127	43	*	* 75	120	20
	trans-1,4-Dichloro-2-butene	20	20.3	ug/Kg	102	11		74	115	20
	Ethyl methacrylate	20	20.6	ug/Kg	103	3		86	114	20
	Diisopropyl ether	20	21.9	ug/Kg	110	1		88	125	20
	1,4-Dioxane	400	450	ug/Kg	113	19		61	144	20

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY1031SBL01

Lab Name: CHEMTECH Contract: CHEM02

Lab Code: CHEM Case No.: P4495 SAS No.: P4495 SDG NO.: P4495

Lab File ID: VY020086.D Lab Sample ID: VY1031SBL01

Date Analyzed: 10/31/2024 Time Analyzed: 11:55

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

Instrument ID: MSVOA_Y

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VY1031SBS01	VY1031SBS01	VY020087.D	10/31/2024
VY1031SBSD01	VY1031SBSD01	VY020088.D	10/31/2024
PT-VOA-SOIL	P4495-23	VY020089.D	10/31/2024
PT-VOA-SOILDL	P4495-23DL	VY020091.D	10/31/2024

COMMENTS:

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: CHEM02

Lab Code: CHEM Case No.: P4495 SAS No.: P4495 SDG NO.: P4495

Lab File ID: VY020074.D BFB Injection Date: 10/30/2024

Instrument ID: MSVOA_Y BFB Injection Time: 12:07

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	24
75	30.0 - 60.0% of mass 95	57.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	1.1 (1.4) 1
174	50.0 - 100.0% of mass 95	74.5
175	5.0 - 9.0% of mass 174	5.8 (7.8) 1
176	95.0 - 101.0% of mass 174	70.8 (95.1) 1
177	5.0 - 9.0% of mass 176	4.9 (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
VSTDICC005	VSTDICC005	VY020075.D	10/30/2024	12:39
VSTDICC010	VSTDICC010	VY020076.D	10/30/2024	13:02
VSTDICC020	VSTDICC020	VY020077.D	10/30/2024	13:24
VSTDICCC050	VSTDICCC050	VY020078.D	10/30/2024	14:06
VSTDICC100	VSTDICC100	VY020079.D	10/30/2024	14:29
VSTDICC150	VSTDICC150	VY020080.D	10/30/2024	14:52

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: CHEM02

Lab Code: CHEM Case No.: P4495 SAS No.: P4495 SDG NO.: P4495

Lab File ID: VY020083.D BFB Injection Date: 10/31/2024

Instrument ID: MSVOA_Y BFB Injection Time: 08:43

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	24.5
75	30.0 - 60.0% of mass 95	58.3
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	1 (1.4) 1
174	50.0 - 100.0% of mass 95	70.6
175	5.0 - 9.0% of mass 174	5.3 (7.5) 1
176	95.0 - 101.0% of mass 174	68.5 (97) 1
177	5.0 - 9.0% of mass 176	4.5 (6.5) 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	VY020085.D	10/31/2024	11:11
VY1031SBL01	VY1031SBL01	VY020086.D	10/31/2024	11:55
VY1031SBS01	VY1031SBS01	VY020087.D	10/31/2024	12:21
VY1031SBSD01	VY1031SBSD01	VY020088.D	10/31/2024	12:43
PT-VOA-SOIL	P4495-23	VY020089.D	10/31/2024	13:05
PT-VOA-SOILDL	P4495-23DL	VY020091.D	10/31/2024	13:51

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: CHEM02

Lab Code: CHEM Case No.: P4495 SAS No.: P4495 SDG NO.: P4495

Lab File ID: VY020085.D Date Analyzed: 10/31/2024

Instrument ID: MSVOA_Y Time Analyzed: 11:11

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	271638	7.71	493866	8.62	426183	11.41
UPPER LIMIT	543276	8.213	987732	9.116	852366	11.914
LOWER LIMIT	135819	7.213	246933	8.116	213092	10.914
EPA SAMPLE NO.						
PT-VOA-SOIL	251162	7.71	444591	8.62	375160	11.41
PT-VOA-SOILDL	252068	7.71	460288	8.62	397276	11.41
VY1031SBL01	266060	7.71	487691	8.62	402156	11.41
VY1031SBS01	266532	7.71	483245	8.62	414401	11.41
VY1031SBSD01	259889	7.71	476917	8.62	414477	11.41

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: CHEM02

Lab Code: CHEM Case No.: P4495 SAS No.: P4495 SDG NO.: P4495

Lab File ID: VY020085.D Date Analyzed: 10/31/2024

Instrument ID: MSVOA_Y Time Analyzed: 11:11

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT #				
12 HOUR STD	197269	13.347				
UPPER LIMIT	394538	13.847				
LOWER LIMIT	98634.5	12.847				
EPA SAMPLE NO.						
PT-VOA-SOIL	173769	13.35				
PT-VOA-SOILDL	183872	13.34				
VY1031SBL01	165838	13.35				
VY1031SBS01	187853	13.35				
VY1031SBSD01	186835	13.35				

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:	Chemtech Consulting Group	Date Collected:	
Project:	NJ Soil PT	Date Received:	
Client Sample ID:	VY1031SBL01	SDG No.:	P4495
Lab Sample ID:	VY1031SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020086.D	1		10/31/24 11:55	VY103124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.70	U	1.70	5.00	ug/Kg
74-87-3	Chloromethane	1.20	U	1.20	5.00	ug/Kg
75-01-4	Vinyl Chloride	0.77	U	0.77	5.00	ug/Kg
141-78-6	Ethyl Acetate	1.10	U	1.10	5.00	ug/Kg
108-21-4	Isopropyl Acetate	0.86	U	0.86	5.00	ug/Kg
74-83-9	Bromomethane	1.00	U	1.00	5.00	ug/Kg
75-00-3	Chloroethane	1.00	U	1.00	5.00	ug/Kg
109-99-9	Tetrahydrofuran	5.20	U	5.20	25.0	ug/Kg
75-69-4	Trichlorofluoromethane	0.91	U	0.91	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.10	U	1.10	5.00	ug/Kg
75-65-0	Tert butyl alcohol	15.6	U	15.6	25.0	ug/Kg
60-29-7	Diethyl Ether	0.64	U	0.64	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	0.78	U	0.78	5.00	ug/Kg
107-02-8	Acrolein	5.80	U	5.80	25.0	ug/Kg
107-13-1	Acrylonitrile	5.00	U	5.00	25.0	ug/Kg
67-64-1	Acetone	6.20	U	6.20	25.0	ug/Kg
75-15-0	Carbon Disulfide	1.30	U	1.30	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.67	U	0.67	5.00	ug/Kg
79-20-9	Methyl Acetate	1.80	U	1.80	5.00	ug/Kg
75-09-2	Methylene Chloride	3.40	U	3.40	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.84	U	0.84	5.00	ug/Kg
108-05-4	Vinyl Acetate	2.80	U	2.80	25.0	ug/Kg
75-34-3	1,1-Dichloroethane	0.63	U	0.63	5.00	ug/Kg
110-82-7	Cyclohexane	0.69	U	0.69	5.00	ug/Kg
78-93-3	2-Butanone	5.70	U	5.70	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	0.87	U	0.87	5.00	ug/Kg
594-20-7	2,2-Dichloropropane	1.60	U	1.60	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.61	U	0.61	5.00	ug/Kg
540-59-0	Total 1,2-Dichloroethene	1.45	U	1.45	10.0	ug/Kg
74-97-5	Bromochloromethane	2.40	U	2.40	5.00	ug/Kg

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Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	
Project:	NJ Soil PT	Date Received:	
Client Sample ID:	VY1031SBL01	SDG No.:	P4495
Lab Sample ID:	VY1031SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020086.D	1		10/31/24 11:55	VY103124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
67-66-3	Chloroform	0.67	U	0.67	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.78	U	0.78	5.00	ug/Kg
108-87-2	Methylcyclohexane	0.87	U	0.87	5.00	ug/Kg
563-58-6	1,1-Dichloropropene	0.73	U	0.73	5.00	ug/Kg
71-43-2	Benzene	0.72	U	0.72	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	0.61	U	0.61	5.00	ug/Kg
79-01-6	Trichloroethene	0.75	U	0.75	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	0.66	U	0.66	5.00	ug/Kg
74-95-3	Dibromomethane	0.62	U	0.62	5.00	ug/Kg
75-27-4	Bromodichloromethane	0.56	U	0.56	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	4.40	U	4.40	25.0	ug/Kg
80-62-6	Methyl methacrylate	0.74	U	0.74	5.00	ug/Kg
108-88-3	Toluene	0.67	U	0.67	5.00	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.60	U	0.60	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.57	U	0.57	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.84	U	0.84	5.00	ug/Kg
142-28-9	1,3-Dichloropropane	0.59	U	0.59	5.00	ug/Kg
110-75-8	2-Chloroethyl Vinyl ether	12.8	U	12.8	25.0	ug/Kg
591-78-6	2-Hexanone	4.80	U	4.80	25.0	ug/Kg
124-48-1	Dibromochloromethane	0.65	U	0.65	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	0.79	U	0.79	5.00	ug/Kg
127-18-4	Tetrachloroethene	0.89	U	0.89	5.00	ug/Kg
108-90-7	Chlorobenzene	0.74	U	0.74	5.00	ug/Kg
630-20-6	1,1,1,2-Tetrachloroethane	0.64	U	0.64	5.00	ug/Kg
67-72-1	Hexachloroethane	0.80	U	0.80	5.00	ug/Kg
100-41-4	Ethyl Benzene	0.62	U	0.62	5.00	ug/Kg
179601-23-1	m/p-Xylenes	1.40	U	1.40	10.0	ug/Kg
1330-20-7	Total Xylenes	2.10	U	2.10	15.0	ug/Kg
95-47-6	o-Xylene	0.70	U	0.70	5.00	ug/Kg
100-42-5	Styrene	0.60	U	0.60	5.00	ug/Kg
75-25-2	Bromoform	0.81	U	0.81	5.00	ug/Kg

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Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	
Project:	NJ Soil PT	Date Received:	
Client Sample ID:	VY1031SBL01	SDG No.:	P4495
Lab Sample ID:	VY1031SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020086.D	1		10/31/24 11:55	VY103124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
98-82-8	Isopropylbenzene	0.67	U	0.67	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.10	U	1.10	5.00	ug/Kg
96-18-4	1,2,3-Trichloropropane	1.20	U	1.20	5.00	ug/Kg
108-86-1	Bromobenzene	0.65	U	0.65	5.00	ug/Kg
103-65-1	n-propylbenzene	0.64	U	0.64	5.00	ug/Kg
95-49-8	2-Chlorotoluene	0.62	U	0.62	5.00	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	0.64	U	0.64	5.00	ug/Kg
106-43-4	4-Chlorotoluene	0.59	U	0.59	5.00	ug/Kg
98-06-6	tert-Butylbenzene	0.67	U	0.67	5.00	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	1.40	U	1.40	5.00	ug/Kg
135-98-8	sec-Butylbenzene	0.67	U	0.67	5.00	ug/Kg
99-87-6	p-Isopropyltoluene	0.58	U	0.58	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.74	U	0.74	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.80	U	0.80	5.00	ug/Kg
104-51-8	n-Butylbenzene	0.63	U	0.63	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.59	U	0.59	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.60	U	1.60	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.79	U	0.79	5.00	ug/Kg
87-68-3	Hexachlorobutadiene	0.81	U	0.81	5.00	ug/Kg
91-20-3	Naphthalene	1.50	U	1.50	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.78	U	0.78	5.00	ug/Kg
628-63-7	N-amyl acetate	0.95	U	0.95	5.00	ug/Kg
74-88-4	Methyl Iodide	0.80	U	0.80	5.00	ug/Kg
107-05-1	Allyl chloride	0.57	U	0.57	5.00	ug/Kg
110-57-6	trans-1,4-Dichloro-2-butene	0.80	U	0.80	5.00	ug/Kg
126-98-7	Methacrylonitrile	1.50	U	1.50	5.00	ug/Kg
97-63-2	Ethyl methacrylate	0.73	U	0.73	5.00	ug/Kg
108-20-3	Diisopropyl ether	0.57	U	0.57	5.00	ug/Kg
123-91-1	1,4-Dioxane	42.5	U	42.5	100	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.2		50 - 163	98%	SPK: 50

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Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	
Project:	NJ Soil PT	Date Received:	
Client Sample ID:	VY1031SBL01	SDG No.:	P4495
Lab Sample ID:	VY1031SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020086.D	1		10/31/24 11:55	VY103124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
1868-53-7	Dibromofluoromethane	47.9		54 - 147	96%	SPK: 50
2037-26-5	Toluene-d8	46.6		58 - 134	93%	SPK: 50
460-00-4	4-Bromofluorobenzene	43.4		29 - 146	87%	SPK: 50
1868-53-7	Dibromofluoromethane	47.9		54 - 147	96%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	266000	7.713			
540-36-3	1,4-Difluorobenzene	488000	8.616			
3114-55-4	Chlorobenzene-d5	402000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	166000	13.346			

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:	Chemtech Consulting Group	Date Collected:	
Project:	NJ Soil PT	Date Received:	
Client Sample ID:	VY1031SBS01	SDG No.:	P4495
Lab Sample ID:	VY1031SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020087.D	1		10/31/24 12:21	VY103124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	21.2		1.70	5.00	ug/Kg
74-87-3	Chloromethane	22.5		1.20	5.00	ug/Kg
75-01-4	Vinyl Chloride	21.3		0.77	5.00	ug/Kg
141-78-6	Ethyl Acetate	19.9		1.10	5.00	ug/Kg
108-21-4	Isopropyl Acetate	18.9		0.86	5.00	ug/Kg
74-83-9	Bromomethane	21.8		1.00	5.00	ug/Kg
75-00-3	Chloroethane	21.0		1.00	5.00	ug/Kg
109-99-9	Tetrahydrofuran	100		5.20	25.0	ug/Kg
75-69-4	Trichlorofluoromethane	20.7		0.91	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	21.0		1.10	5.00	ug/Kg
75-65-0	Tert butyl alcohol	97.2		15.6	25.0	ug/Kg
60-29-7	Diethyl Ether	20.9		0.64	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	21.4		0.78	5.00	ug/Kg
107-02-8	Acrolein	110		5.80	25.0	ug/Kg
107-13-1	Acrylonitrile	100		5.00	25.0	ug/Kg
67-64-1	Acetone	87.4		6.20	25.0	ug/Kg
75-15-0	Carbon Disulfide	21.7		1.30	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	20.7		0.67	5.00	ug/Kg
79-20-9	Methyl Acetate	20.7		1.80	5.00	ug/Kg
75-09-2	Methylene Chloride	19.5		3.40	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	21.0		0.84	5.00	ug/Kg
108-05-4	Vinyl Acetate	100		2.80	25.0	ug/Kg
75-34-3	1,1-Dichloroethane	21.8		0.63	5.00	ug/Kg
110-82-7	Cyclohexane	20.5		0.69	5.00	ug/Kg
78-93-3	2-Butanone	94.6		5.70	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	20.4		0.87	5.00	ug/Kg
594-20-7	2,2-Dichloropropane	20.2		1.60	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	21.8		0.61	5.00	ug/Kg
540-59-0	Total 1,2-Dichloroethene	42.8		1.45	10.0	ug/Kg
74-97-5	Bromochloromethane	19.0		2.40	5.00	ug/Kg

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Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	
Project:	NJ Soil PT	Date Received:	
Client Sample ID:	VY1031SBS01	SDG No.:	P4495
Lab Sample ID:	VY1031SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020087.D	1		10/31/24 12:21	VY103124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
67-66-3	Chloroform	21.4		0.67	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	21.4		0.78	5.00	ug/Kg
108-87-2	Methylcyclohexane	19.6		0.87	5.00	ug/Kg
563-58-6	1,1-Dichloropropene	20.6		0.73	5.00	ug/Kg
71-43-2	Benzene	21.0		0.72	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	21.3		0.61	5.00	ug/Kg
79-01-6	Trichloroethene	20.9		0.75	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	21.2		0.66	5.00	ug/Kg
74-95-3	Dibromomethane	19.9		0.62	5.00	ug/Kg
75-27-4	Bromodichloromethane	21.3		0.56	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	95.2		4.40	25.0	ug/Kg
80-62-6	Methyl methacrylate	19.9		0.74	5.00	ug/Kg
108-88-3	Toluene	21.0		0.67	5.00	ug/Kg
10061-02-6	t-1,3-Dichloropropene	19.7		0.60	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	20.9		0.57	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	21.0		0.84	5.00	ug/Kg
142-28-9	1,3-Dichloropropane	20.5		0.59	5.00	ug/Kg
110-75-8	2-Chloroethyl Vinyl ether	96.2		12.8	25.0	ug/Kg
591-78-6	2-Hexanone	90.7		4.80	25.0	ug/Kg
124-48-1	Dibromochloromethane	20.3		0.65	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	20.3		0.79	5.00	ug/Kg
127-18-4	Tetrachloroethene	20.5		0.89	5.00	ug/Kg
108-90-7	Chlorobenzene	21.2		0.74	5.00	ug/Kg
630-20-6	1,1,1,2-Tetrachloroethane	20.7		0.64	5.00	ug/Kg
67-72-1	Hexachloroethane	20.4		0.80	5.00	ug/Kg
100-41-4	Ethyl Benzene	21.2		0.62	5.00	ug/Kg
179601-23-1	m/p-Xylenes	42.8		1.40	10.0	ug/Kg
1330-20-7	Total Xylenes	64.1		2.10	15.0	ug/Kg
95-47-6	o-Xylene	21.3		0.70	5.00	ug/Kg
100-42-5	Styrene	21.4		0.60	5.00	ug/Kg
75-25-2	Bromoform	19.6		0.81	5.00	ug/Kg

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Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	
Project:	NJ Soil PT	Date Received:	
Client Sample ID:	VY1031SBS01	SDG No.:	P4495
Lab Sample ID:	VY1031SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020087.D	1		10/31/24 12:21	VY103124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
98-82-8	Isopropylbenzene	21.3		0.67	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	20.7		1.10	5.00	ug/Kg
96-18-4	1,2,3-Trichloropropane	21.6		1.20	5.00	ug/Kg
108-86-1	Bromobenzene	21.4		0.65	5.00	ug/Kg
103-65-1	n-propylbenzene	21.5		0.64	5.00	ug/Kg
95-49-8	2-Chlorotoluene	21.3		0.62	5.00	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	21.7		0.64	5.00	ug/Kg
106-43-4	4-Chlorotoluene	21.8		0.59	5.00	ug/Kg
98-06-6	tert-Butylbenzene	21.7		0.67	5.00	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	21.3		1.40	5.00	ug/Kg
135-98-8	sec-Butylbenzene	21.1		0.67	5.00	ug/Kg
99-87-6	p-Isopropyltoluene	21.1		0.58	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	20.8		0.74	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	20.8		0.80	5.00	ug/Kg
104-51-8	n-Butylbenzene	20.8		0.63	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	20.8		0.59	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	18.7		1.60	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	19.3		0.79	5.00	ug/Kg
87-68-3	Hexachlorobutadiene	19.1		0.81	5.00	ug/Kg
91-20-3	Naphthalene	17.6		1.50	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	18.2		0.78	5.00	ug/Kg
628-63-7	N-amyl acetate	19.2		0.95	5.00	ug/Kg
74-88-4	Methyl Iodide	22.5		0.80	5.00	ug/Kg
107-05-1	Allyl chloride	21.8		0.57	5.00	ug/Kg
110-57-6	trans-1,4-Dichloro-2-butene	18.2		0.80	5.00	ug/Kg
126-98-7	Methacrylonitrile	16.4		1.50	5.00	ug/Kg
97-63-2	Ethyl methacrylate	19.9		0.73	5.00	ug/Kg
108-20-3	Diisopropyl ether	21.7		0.57	5.00	ug/Kg
123-91-1	1,4-Dioxane	370		42.5	100	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.0		50 - 163	106%	SPK: 50

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Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	
Project:	NJ Soil PT	Date Received:	
Client Sample ID:	VY1031SBS01	SDG No.:	P4495
Lab Sample ID:	VY1031SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020087.D	1		10/31/24 12:21	VY103124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
1868-53-7	Dibromofluoromethane	51.8		54 - 147	104%	SPK: 50
2037-26-5	Toluene-d8	52.7		58 - 134	105%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.2		29 - 146	104%	SPK: 50
1868-53-7	Dibromofluoromethane	51.8		54 - 147	104%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	267000	7.713			
540-36-3	1,4-Difluorobenzene	483000	8.616			
3114-55-4	Chlorobenzene-d5	414000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	188000	13.346			

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:	Chemtech Consulting Group	Date Collected:	
Project:	NJ Soil PT	Date Received:	
Client Sample ID:	VY1031SBSD01	SDG No.:	P4495
Lab Sample ID:	VY1031SBSD01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020088.D	1		10/31/24 12:43	VY103124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	21.8		1.70	5.00	ug/Kg
74-87-3	Chloromethane	21.8		1.20	5.00	ug/Kg
75-01-4	Vinyl Chloride	20.7		0.77	5.00	ug/Kg
141-78-6	Ethyl Acetate	21.5		1.10	5.00	ug/Kg
108-21-4	Isopropyl Acetate	21.1		0.86	5.00	ug/Kg
74-83-9	Bromomethane	22.3		1.00	5.00	ug/Kg
75-00-3	Chloroethane	21.5		1.00	5.00	ug/Kg
109-99-9	Tetrahydrofuran	120		5.20	25.0	ug/Kg
75-69-4	Trichlorofluoromethane	19.9		0.91	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	20.5		1.10	5.00	ug/Kg
75-65-0	Tert butyl alcohol	120		15.6	25.0	ug/Kg
60-29-7	Diethyl Ether	24.0		0.64	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	21.3		0.78	5.00	ug/Kg
107-02-8	Acrolein	110		5.80	25.0	ug/Kg
107-13-1	Acrylonitrile	120		5.00	25.0	ug/Kg
67-64-1	Acetone	100		6.20	25.0	ug/Kg
75-15-0	Carbon Disulfide	21.1		1.30	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	22.5		0.67	5.00	ug/Kg
79-20-9	Methyl Acetate	22.7		1.80	5.00	ug/Kg
75-09-2	Methylene Chloride	20.4		3.40	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	21.0		0.84	5.00	ug/Kg
108-05-4	Vinyl Acetate	110		2.80	25.0	ug/Kg
75-34-3	1,1-Dichloroethane	21.6		0.63	5.00	ug/Kg
110-82-7	Cyclohexane	20.0		0.69	5.00	ug/Kg
78-93-3	2-Butanone	110		5.70	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	19.7		0.87	5.00	ug/Kg
594-20-7	2,2-Dichloropropane	20.4		1.60	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	21.8		0.61	5.00	ug/Kg
540-59-0	Total 1,2-Dichloroethene	42.8		1.45	10.0	ug/Kg
74-97-5	Bromochloromethane	21.3		2.40	5.00	ug/Kg

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Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	
Project:	NJ Soil PT	Date Received:	
Client Sample ID:	VY1031SBSD01	SDG No.:	P4495
Lab Sample ID:	VY1031SBSD01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020088.D	1		10/31/24 12:43	VY103124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
67-66-3	Chloroform	21.5		0.67	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	21.1		0.78	5.00	ug/Kg
108-87-2	Methylcyclohexane	19.5		0.87	5.00	ug/Kg
563-58-6	1,1-Dichloropropene	20.3		0.73	5.00	ug/Kg
71-43-2	Benzene	20.9		0.72	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	21.6		0.61	5.00	ug/Kg
79-01-6	Trichloroethene	20.5		0.75	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	21.1		0.66	5.00	ug/Kg
74-95-3	Dibromomethane	21.0		0.62	5.00	ug/Kg
75-27-4	Bromodichloromethane	21.1		0.56	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	110		4.40	25.0	ug/Kg
80-62-6	Methyl methacrylate	21.8		0.74	5.00	ug/Kg
108-88-3	Toluene	21.1		0.67	5.00	ug/Kg
10061-02-6	t-1,3-Dichloropropene	20.9		0.60	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	21.2		0.57	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	21.6		0.84	5.00	ug/Kg
142-28-9	1,3-Dichloropropane	21.4		0.59	5.00	ug/Kg
110-75-8	2-Chloroethyl Vinyl ether	100		12.8	25.0	ug/Kg
591-78-6	2-Hexanone	100		4.80	25.0	ug/Kg
124-48-1	Dibromochloromethane	20.8		0.65	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	21.2		0.79	5.00	ug/Kg
127-18-4	Tetrachloroethene	20.3		0.89	5.00	ug/Kg
108-90-7	Chlorobenzene	20.7		0.74	5.00	ug/Kg
630-20-6	1,1,1,2-Tetrachloroethane	20.6		0.64	5.00	ug/Kg
67-72-1	Hexachloroethane	20.2		0.80	5.00	ug/Kg
100-41-4	Ethyl Benzene	20.6		0.62	5.00	ug/Kg
179601-23-1	m/p-Xylenes	41.2		1.40	10.0	ug/Kg
1330-20-7	Total Xylenes	61.7		2.10	15.0	ug/Kg
95-47-6	o-Xylene	20.5		0.70	5.00	ug/Kg
100-42-5	Styrene	20.9		0.60	5.00	ug/Kg
75-25-2	Bromoform	20.7		0.81	5.00	ug/Kg

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Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	
Project:	NJ Soil PT	Date Received:	
Client Sample ID:	VY1031SBSD01	SDG No.:	P4495
Lab Sample ID:	VY1031SBSD01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020088.D	1		10/31/24 12:43	VY103124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
98-82-8	Isopropylbenzene	21.0		0.67	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	21.8		1.10	5.00	ug/Kg
96-18-4	1,2,3-Trichloropropane	22.0		1.20	5.00	ug/Kg
108-86-1	Bromobenzene	21.3		0.65	5.00	ug/Kg
103-65-1	n-propylbenzene	21.1		0.64	5.00	ug/Kg
95-49-8	2-Chlorotoluene	21.3		0.62	5.00	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	21.2		0.64	5.00	ug/Kg
106-43-4	4-Chlorotoluene	21.4		0.59	5.00	ug/Kg
98-06-6	tert-Butylbenzene	21.5		0.67	5.00	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	21.4		1.40	5.00	ug/Kg
135-98-8	sec-Butylbenzene	20.9		0.67	5.00	ug/Kg
99-87-6	p-Isopropyltoluene	20.7		0.58	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	20.8		0.74	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	20.7		0.80	5.00	ug/Kg
104-51-8	n-Butylbenzene	20.4		0.63	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	21.4		0.59	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	20.6		1.60	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	19.7		0.79	5.00	ug/Kg
87-68-3	Hexachlorobutadiene	19.4		0.81	5.00	ug/Kg
91-20-3	Naphthalene	19.7		1.50	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	19.1		0.78	5.00	ug/Kg
628-63-7	N-amyl acetate	21.0		0.95	5.00	ug/Kg
74-88-4	Methyl Iodide	23.0		0.80	5.00	ug/Kg
107-05-1	Allyl chloride	21.9		0.57	5.00	ug/Kg
110-57-6	trans-1,4-Dichloro-2-butene	20.3		0.80	5.00	ug/Kg
126-98-7	Methacrylonitrile	25.4		1.50	5.00	ug/Kg
97-63-2	Ethyl methacrylate	20.6		0.73	5.00	ug/Kg
108-20-3	Diisopropyl ether	21.9		0.57	5.00	ug/Kg
123-91-1	1,4-Dioxane	450		42.5	100	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.9		50 - 163	102%	SPK: 50

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

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	
Project:	NJ Soil PT	Date Received:	
Client Sample ID:	VY1031SBSD01	SDG No.:	P4495
Lab Sample ID:	VY1031SBSD01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020088.D	1		10/31/24 12:43	VY103124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
1868-53-7	Dibromofluoromethane	49.9		54 - 147	100%	SPK: 50
2037-26-5	Toluene-d8	48.4		58 - 134	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.0		29 - 146	96%	SPK: 50
1868-53-7	Dibromofluoromethane	49.9		54 - 147	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	260000	7.713			
540-36-3	1,4-Difluorobenzene	477000	8.616			
3114-55-4	Chlorobenzene-d5	414000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	187000	13.347			

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

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: CHEM02

Lab Code: CHEM Case No.: P4495 SAS No.: P4495 SDG No.: P4495

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

Heated Purge: (Y/N) Y Calibration Time(s): 12:39 14:52

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

LAB FILE ID: RRF005 = VY020075.D RRF010 = VY020076.D RRF020 = VY020077.D
RRF050 = VY020078.D RRF100 = VY020079.D RRF150 = VY020080.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.507	0.488	0.482	0.381	0.456	0.463	0.463	9.5
Chloromethane	0.831	0.835	0.791	0.683	0.731	0.728	0.767	8.1
Vinyl Chloride	0.867	0.874	0.835	0.754	0.809	0.799	0.823	5.5
Ethyl Acetate	0.232	0.226	0.242	0.211	0.255	0.239	0.234	6.4
Isopropyl Acetate	0.390	0.440	0.462	0.412	0.510	0.487	0.450	10
Bromomethane	0.631	0.574	0.545	0.480	0.521	0.528	0.546	9.5
Chloroethane	0.562	0.555	0.546	0.486	0.527	0.511	0.531	5.5
Tetrahydrofuran	0.102	0.113	0.114	0.104	0.128	0.120	0.114	8.5
Trichlorofluoromethane	1.025	1.018	1.037	0.927	1.012	1.014	1.005	3.9
1,1,2-Trichlorotrifluoroethane	0.597	0.584	0.567	0.509	0.561	0.565	0.564	5.3
Tert butyl alcohol	0.054	0.056	0.047	0.033	0.041	0.039	0.045	19.9
Diethyl Ether	0.261	0.280	0.293	0.252	0.297	0.299	0.280	7
1,1-Dichloroethene	0.534	0.578	0.536	0.493	0.543	0.552	0.540	5.1
Acrolein	0.051	0.060	0.059	0.050	0.060	0.056	0.056	8
Acrylonitrile	0.117	0.129	0.129	0.117	0.139	0.134	0.128	7
Acetone	0.134	0.138	0.138	0.140	0.165	0.155	0.145	8.5
Carbon Disulfide	1.790	1.835	1.806	1.674	1.832	1.837	1.796	3.5
Methyl tert-butyl Ether	1.229	1.344	1.376	1.241	1.483	1.471	1.357	8
Methyl Acetate	0.314	0.357	0.351	0.317	0.362	0.342	0.340	6
Methylene Chloride	0.807	0.716	0.641	0.555	0.597	0.597	0.652	14.3
trans-1,2-Dichloroethene	0.611	0.618	0.613	0.564	0.616	0.628	0.609	3.7
Vinyl Acetate	0.982	1.112	1.150	1.054	1.274	1.249	1.137	9.9
1,1-Dichloroethane	1.155	1.209	1.189	1.070	1.194	1.200	1.170	4.5
Cyclohexane	1.284	1.206	1.138	0.986	1.093	1.088	1.132	9.1
2-Butanone	0.187	0.197	0.192	0.179	0.219	0.206	0.197	7.3
Carbon Tetrachloride	0.467	0.491	0.499	0.462	0.519	0.524	0.494	5.2
2,2-Dichloropropane	1.043	0.968	0.957	0.881	0.986	1.004	0.973	5.6
cis-1,2-Dichloroethene	0.646	0.714	0.715	0.646	0.740	0.736	0.700	6.1
Bromochloromethane	0.572	0.562	0.527	0.505	0.553	0.567	0.548	4.8
Chloroform	1.141	1.170	1.186	1.068	1.196	1.203	1.161	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 ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: CHEM02

Lab Code: CHEM Case No.: P4495 SAS No.: P4495 SDG No.: P4495

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

Heated Purge: (Y/N) Y Calibration Time(s): 12:39 14:52

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

LAB FILE ID: RRF005 = VY020075.D RRF010 = VY020076.D RRF020 = VY020077.D
RRF050 = VY020078.D RRF100 = VY020079.D RRF150 = VY020080.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
1,1,1-Trichloroethane	0.986	1.026	1.009	0.950	1.041	1.069	1.013	4.1
Methylcyclohexane	0.603	0.602	0.631	0.578	0.665	0.661	0.623	5.6
1,1-Dichloropropene	0.482	0.500	0.493	0.450	0.512	0.510	0.491	4.7
Benzene	1.414	1.405	1.455	1.325	1.504	1.498	1.433	4.7
1,2-Dichloroethane	0.379	0.391	0.402	0.365	0.425	0.418	0.397	5.8
Trichloroethene	0.328	0.331	0.332	0.307	0.348	0.346	0.332	4.4
1,2-Dichloropropane	0.323	0.331	0.357	0.320	0.363	0.364	0.343	6
Dibromomethane	0.173	0.185	0.189	0.171	0.200	0.196	0.186	6.4
Bromodichloromethane	0.459	0.476	0.487	0.451	0.526	0.522	0.487	6.4
4-Methyl-2-Pentanone	0.190	0.223	0.238	0.219	0.269	0.252	0.232	11.9
Methyl methacrylate	0.161	0.196	0.218	0.197	0.244	0.236	0.209	14.6
Toluene	0.803	0.859	0.900	0.833	0.953	0.953	0.884	7.1
t-1,3-Dichloropropene	0.369	0.400	0.436	0.401	0.486	0.487	0.430	11.3
cis-1,3-Dichloropropene	0.446	0.485	0.518	0.484	0.573	0.573	0.513	10
1,1,2-Trichloroethane	0.206	0.225	0.235	0.216	0.257	0.248	0.231	8.4
1,3-Dichloropropane	0.383	0.411	0.438	0.393	0.464	0.449	0.423	7.7
2-Chloroethyl Vinyl ether	0.132	0.155	0.167	0.160	0.186	0.180	0.163	11.8
2-Hexanone	0.131	0.161	0.168	0.158	0.198	0.182	0.166	13.7
Dibromochloromethane	0.256	0.281	0.300	0.273	0.332	0.326	0.295	10.3
1,2-Dibromoethane	0.203	0.214	0.215	0.196	0.233	0.228	0.215	6.7
Tetrachloroethene	0.326	0.316	0.344	0.307	0.344	0.343	0.330	4.8
Chlorobenzene	1.024	1.044	1.094	0.993	1.114	1.124	1.065	5
1,1,1,2-Tetrachloroethane	0.312	0.332	0.345	0.317	0.365	0.370	0.340	7.1
Hexachloroethane	0.669	0.664	0.684	0.628	0.713	0.741	0.683	5.8
Ethyl Benzene	1.886	1.934	2.015	1.876	2.114	2.124	1.992	5.5
m/p-Xylenes	0.685	0.693	0.742	0.692	0.779	0.782	0.729	6.2
o-Xylene	0.652	0.662	0.686	0.649	0.745	0.745	0.690	6.5
Styrene	0.985	1.080	1.154	1.093	1.259	1.273	1.141	9.8
Bromoform	0.151	0.162	0.173	0.165	0.202	0.195	0.175	11.4
Isopropylbenzene	4.065	3.829	3.995	3.685	4.099	4.293	3.994	5.3

* 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.

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: CHEM02

Lab Code: CHEM Case No.: P4495 SAS No.: P4495 SDG No.: P4495

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

Heated Purge: (Y/N) Y Calibration Time(s): 12:39 14:52

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

LAB FILE ID: RRF005 = VY020075.D RRF010 = VY020076.D RRF020 = VY020077.D
RRF050 = VY020078.D RRF100 = VY020079.D RRF150 = VY020080.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
1,1,2,2-Tetrachloroethane	0.716	0.707	0.698	0.624	0.727	0.719	0.699	5.4
1,2,3-Trichloropropane	0.387	0.563	0.479	0.428	0.477	0.478	0.469	12.6
Bromobenzene	0.830	0.761	0.806	0.742	0.843	0.866	0.808	6
n-propylbenzene	5.003	4.849	5.049	4.581	5.082	5.263	4.971	4.7
2-Chlorotoluene	2.788	2.705	2.774	2.517	2.814	2.958	2.759	5.3
1,3,5-Trimethylbenzene	3.201	3.025	3.270	2.973	3.310	3.461	3.207	5.7
4-Chlorotoluene	2.774	2.702	2.871	2.606	2.904	3.025	2.813	5.4
tert-Butylbenzene	2.826	2.624	2.798	2.664	2.888	3.024	2.804	5.2
1,2,4-Trimethylbenzene	3.062	3.025	3.203	2.942	3.338	3.486	3.176	6.5
sec-Butylbenzene	4.277	4.160	4.350	4.002	4.440	4.598	4.305	4.9
p-Isopropyltoluene	3.296	3.254	3.522	3.235	3.617	3.803	3.454	6.7
1,3-Dichlorobenzene	1.659	1.521	1.680	1.509	1.703	1.774	1.641	6.4
1,4-Dichlorobenzene	1.680	1.604	1.653	1.487	1.666	1.716	1.634	5
n-Butylbenzene	3.312	3.215	3.533	3.256	3.663	3.797	3.463	6.9
1,2-Dichlorobenzene	1.391	1.384	1.460	1.310	1.483	1.530	1.426	5.6
1,2-Dibromo-3-Chloropropane	0.107	0.104	0.106	0.092	0.114	0.112	0.106	7.6
1,2,4-Trichlorobenzene	0.652	0.708	0.784	0.693	0.865	0.895	0.766	12.8
Hexachlorobutadiene	0.403	0.389	0.422	0.389	0.454	0.456	0.419	7.3
Naphthalene	1.116	1.209	1.420	1.325	1.760	1.765	1.432	19.2
1,2,3-Trichlorobenzene	0.578	0.606	0.653	0.575	0.737	0.754	0.650	12.1
1,2-Dichloroethane-d4	0.608	0.657	0.578	0.586	0.668	0.647	0.624	6.1
Dibromofluoromethane	0.305	0.317	0.300	0.305	0.340	0.340	0.318	5.7
Toluene-d8	1.187	1.251	1.187	1.224	1.380	1.364	1.265	6.8
4-Bromofluorobenzene	0.371	0.402	0.376	0.399	0.463	0.454	0.411	9.5
N-amyl acetate	0.835	0.907	1.004	0.918	1.156	1.171	0.998	13.9
Methyl Iodide	0.499	0.541	0.548	0.517	0.577	0.585	0.544	6.2
Allyl chloride	0.955	0.952	0.980	0.915	1.011	1.028	0.973	4.2
trans-1,4-Dichloro-2-butene	0.208	0.210	0.211	0.197	0.238	0.243	0.218	8.4
Methacrylonitrile	0.079	0.115	0.131	0.119	0.132	0.127	0.117	16.9
Ethyl methacrylate	0.250	0.302	0.337	0.315	0.396	0.388	0.331	16.6

* 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 ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: CHEM02

Lab Code: CHEM Case No.: P4495 SAS No.: P4495 SDG No.: P4495

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

Heated Purge: (Y/N) Y Calibration Time(s): 12:39 14:52

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

LAB FILE ID: RRF005 = VY020075.D RRF010 = VY020076.D RRF020 = VY020077.D
RRF050 = VY020078.D RRF100 = VY020079.D RRF150 = VY020080.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Diisopropyl ether	1.824	1.993	2.082	1.894	2.168	2.160	2.020	7
1,4-Dioxane	1.739	1.841	1.816	1.751	2.231	2.101	1.913	10.6

* 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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Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CHEM02

Lab Code: CHEM Case No.: P4495 SAS No.: P4495 SDG No.: P4495

Instrument ID: MSVOA_Y Calibration Date/Time: 10/31/2024 11:11

Lab File ID: VY020085.D Init. Calib. Date(s): 10/30/2024 10/30/2024

Heated Purge: (Y/N) Y Init. Calib. Time(s): 12:39 14:52

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.463	0.488		5.4	20
Chloromethane	0.767	0.786	0.1	2.48	20
Vinyl Chloride	0.823	0.854		3.77	20
Ethyl Acetate	0.234	0.240		2.56	20
Isopropyl Acetate	0.450	0.479		6.44	20
Bromomethane	0.546	0.552		1.1	20
Chloroethane	0.531	0.540		1.7	20
Tetrahydrofuran	0.114	0.120		5.26	20
Trichlorofluoromethane	1.005	1.063		5.77	20
1,1,2-Trichlorotrifluoroethane	0.564	0.597		5.85	20
Tert butyl alcohol	0.045	0.038		-15.56	20
Diethyl Ether	0.280	0.307		9.64	20
1,1-Dichloroethene	0.540	0.581		7.59	20
Acrolein	0.056	0.050		-10.71	20
Acrylonitrile	0.128	0.138		7.81	20
Acetone	0.145	0.168		15.86	20
Carbon Disulfide	1.796	1.932		7.57	20
Methyl tert-butyl Ether	1.357	1.492		9.95	20
Methyl Acetate	0.340	0.352		3.53	20
Methylene Chloride	0.652	0.643		-1.38	20
trans-1,2-Dichloroethene	0.609	0.659		8.21	20
Vinyl Acetate	1.137	1.274		12.05	20
1,1-Dichloroethane	1.170	1.267	0.1	8.29	20
Cyclohexane	1.132	1.136		0.35	20
2-Butanone	0.197	0.209		6.09	20
Carbon Tetrachloride	0.494	0.528		6.88	20
2,2-Dichloropropane	0.973	1.074		10.38	20
cis-1,2-Dichloroethene	0.700	0.771		10.14	20
Bromochloromethane	0.548	0.577		5.29	20
Chloroform	1.161	1.263		8.79	20
1,1,1-Trichloroethane	1.013	1.112		9.77	20
Methylcyclohexane	0.623	0.656		5.3	20
1,1-Dichloropropene	0.491	0.516		5.09	20
Benzene	1.433	1.529		6.7	20
1,2-Dichloroethane	0.397	0.420		5.79	20
Trichloroethene	0.332	0.349		5.12	20
1,2-Dichloropropane	0.343	0.372		8.45	20
Dibromomethane	0.186	0.194		4.3	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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Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CHEM02

Lab Code: CHEM Case No.: P4495 SAS No.: P4495 SDG No.: P4495

Instrument ID: MSVOA_Y Calibration Date/Time: 10/31/2024 11:11

Lab File ID: VY020085.D Init. Calib. Date(s): 10/30/2024 10/30/2024

Heated Purge: (Y/N) Y Init. Calib. Time(s): 12:39 14:52

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Bromodichloromethane	0.487	0.525		7.8	20
4-Methyl-2-Pentanone	0.232	0.244		5.17	20
Methyl methacrylate	0.209	0.230		10.05	20
Toluene	0.884	0.955		8.03	20
t-1,3-Dichloropropene	0.430	0.468		8.84	20
cis-1,3-Dichloropropene	0.513	0.569		10.92	20
1,1,2-Trichloroethane	0.231	0.250		8.23	20
1,3-Dichloropropane	0.423	0.447		5.67	20
2-Chloroethyl Vinyl ether	0.163	0.165		1.23	20
2-Hexanone	0.166	0.179		7.83	20
Dibromochloromethane	0.295	0.316		7.12	20
1,2-Dibromoethane	0.215	0.226		5.12	20
Tetrachloroethene	0.330	0.364		10.3	20
Chlorobenzene	1.065	1.152	0.3	8.17	20
1,1,1,2-Tetrachloroethane	0.340	0.375		10.29	20
Hexachloroethane	0.683	0.738		8.05	20
Ethyl Benzene	1.992	2.164		8.64	20
m/p-Xylenes	0.729	0.804		10.29	20
o-Xylene	0.690	0.757		9.71	20
Styrene	1.141	1.279		12.1	20
Bromoform	0.175	0.191	0.1	9.14	20
Isopropylbenzene	3.994	4.426		10.82	20
1,1,2,2-Tetrachloroethane	0.699	0.727	0.3	4.01	20
1,2,3-Trichloropropane	0.469	0.502		7.04	20
Bromobenzene	0.808	0.871		7.8	20
n-propylbenzene	4.971	5.536		11.37	20
2-Chlorotoluene	2.759	3.048		10.48	20
1,3,5-Trimethylbenzene	3.207	3.541		10.41	20
4-Chlorotoluene	2.813	3.100		10.2	20
tert-Butylbenzene	2.804	3.207		14.37	20
1,2,4-Trimethylbenzene	3.176	3.542		11.52	20
sec-Butylbenzene	4.305	4.810		11.73	20
p-Isopropyltoluene	3.454	3.884		12.45	20
1,3-Dichlorobenzene	1.641	1.806		10.06	20
1,4-Dichlorobenzene	1.634	1.784		9.18	20
n-Butylbenzene	3.463	3.926		13.37	20
1,2-Dichlorobenzene	1.426	1.566		9.82	20
1,2-Dibromo-3-Chloropropane	0.106	0.108		1.89	20

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

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CHEM02

Lab Code: CHEM Case No.: P4495 SAS No.: P4495 SDG No.: P4495

Instrument ID: MSVOA_Y Calibration Date/Time: 10/31/2024 11:11

Lab File ID: VY020085.D Init. Calib. Date(s): 10/30/2024 10/30/2024

Heated Purge: (Y/N) Y Init. Calib. Time(s): 12:39 14:52

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
1,2,4-Trichlorobenzene	0.766	0.855		11.62	20
Hexachlorobutadiene	0.419	0.469		11.93	20
Naphthalene	1.432	1.591		11.1	20
1,2,3-Trichlorobenzene	0.650	0.700		7.69	20
1,2-Dichloroethane-d4	0.624	0.594		-4.81	20
Dibromofluoromethane	0.318	0.306		-3.77	20
Toluene-d8	1.265	1.203		-4.9	20
4-Bromofluorobenzene	0.411	0.398		-3.16	20
N-amyl acetate	0.998	1.133		13.53	20
Methyl Iodide	0.544	0.624		14.71	20
Allyl chloride	0.973	1.080		11	20
trans-1,4-Dichloro-2-butene	0.218	0.234		7.34	20
Methacrylonitrile	0.117	0.137		17.09	20
Ethyl methacrylate	0.331	0.365		10.27	20
Diisopropyl ether	2.020	2.271		12.43	20
1,4-Dioxane	1.913	1.820	0.05	-4.86	50

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:	P4495	**OrderDate:**	10/23/2024 10:29:00 AM
Client:	Chemtech Consulting Group	**Project:**	NJ Soil PT
Contact:	QA Officer	**Location:**	QA Office,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4495-11	**PT-BNA-SOIL**	**SOIL**			**10/21/24**			**10/23/24**
			SVOCMS Group1	8270E		10/25/24	11/13/24	
			SVOCMS Group2	8270-Modified		10/25/24	11/14/24	
P4495-11DL	**PT-BNA-SOILDL**	**SOIL**			**10/21/24**			**10/23/24**
			SVOCMS Group1	8270E		10/25/24	11/13/24	
			SVOCMS Group2	8270-Modified		10/25/24	11/14/24	
P4495-12	**PT-TRIAZINE-SOIL**	**SOIL**			**10/21/24**			**10/23/24**
			SVOCMS Group4	8270E		10/25/24	10/29/24	
P4495-13	**PT-PAH-SOIL**	**SOIL**			**10/21/24**			**10/23/24**
			SVOCMS Group3	8270-Modified		10/25/24	11/14/24	
P4495-13DL	**PT-PAH-SOILDL**	**SOIL**			**10/21/24**			**10/23/24**
			SVOCMS Group3	8270-Modified		10/25/24	11/14/24	

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Hit Summary Sheet
SW-846

SDG No.: P4495

Client: Chemtech Consulting Group

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID :	**PT-BNA-SOIL**							
P4495-11	PT-BNA-SOIL	SOIL	bis(2-Chloroethyl)ether	5,500.000	E	83.5	170	ug/Kg
P4495-11	PT-BNA-SOIL	SOIL	2-Chlorophenol	2,100.000		83.3	170	ug/Kg
P4495-11	PT-BNA-SOIL	SOIL	1,2-Dichlorobenzene	2,600.000		84.4	170	ug/Kg
P4495-11	PT-BNA-SOIL	SOIL	1,3-Dichlorobenzene	3,800.000	E	85.8	170	ug/Kg
P4495-11	PT-BNA-SOIL	SOIL	1,4-Dichlorobenzene	4,400.000	E	86.3	170	ug/Kg
P4495-11	PT-BNA-SOIL	SOIL	2,2-oxybis(1-Chloropropane)	3,000.000	E	90.7	170	ug/Kg
P4495-11	PT-BNA-SOIL	SOIL	n-Nitroso-di-n-propylamine	5,900.000	E	40.2	79.8	ug/Kg
P4495-11	PT-BNA-SOIL	SOIL	Hexachloroethane	3,400.000	E	82.8	170	ug/Kg
P4495-11	PT-BNA-SOIL	SOIL	Nitrobenzene	5,800.000	E	90.6	170	ug/Kg
P4495-11	PT-BNA-SOIL	SOIL	Isophorone	4,400.000	E	84.4	170	ug/Kg
P4495-11	PT-BNA-SOIL	SOIL	2-Nitrophenol	2,300.000		94.3	170	ug/Kg
P4495-11	PT-BNA-SOIL	SOIL	bis(2-Chloroethoxy)methane	4,000.000	E	85.6	170	ug/Kg
P4495-11	PT-BNA-SOIL	SOIL	1,2,4-Trichlorobenzene	4,600.000	E	85.2	170	ug/Kg
P4495-11	PT-BNA-SOIL	SOIL	2-Methylnaphthalene	3,200.000	E	82.3	170	ug/Kg
P4495-11	PT-BNA-SOIL	SOIL	2,4,6-Trichlorophenol	3,800.000	E	71.2	170	ug/Kg
P4495-11	PT-BNA-SOIL	SOIL	2-Chloronaphthalene	2,300.000		83.1	170	ug/Kg
P4495-11	PT-BNA-SOIL	SOIL	Dimethylphthalate	2,300.000		81.5	170	ug/Kg
P4495-11	PT-BNA-SOIL	SOIL	Acenaphthylene	2,800.000	E	86.3	170	ug/Kg
P4495-11	PT-BNA-SOIL	SOIL	Acenaphthene	2,400.000		80.9	170	ug/Kg
P4495-11	PT-BNA-SOIL	SOIL	4-Nitrophenol	2,800.000	E	120	330	ug/Kg
P4495-11	PT-BNA-SOIL	SOIL	Dibenzofuran	4,000.000	E	84.2	170	ug/Kg
P4495-11	PT-BNA-SOIL	SOIL	Fluorene	3,600.000	E	85.3	170	ug/Kg
P4495-11	PT-BNA-SOIL	SOIL	4-Bromophenyl-phenylether	3,300.000	E	78.7	170	ug/Kg
P4495-11	PT-BNA-SOIL	SOIL	Hexachlorobenzene	2,600.000		84.8	170	ug/Kg
P4495-11	PT-BNA-SOIL	SOIL	Pentachlorophenol	3,200.000	E	77.1	330	ug/Kg
P4495-11	PT-BNA-SOIL	SOIL	Phenanthrene	2,100.000		83.8	170	ug/Kg
P4495-11	PT-BNA-SOIL	SOIL	Anthracene	2,600.000		84.2	170	ug/Kg
P4495-11	PT-BNA-SOIL	SOIL	Carbazole	3,200.000	E	80.1	170	ug/Kg
P4495-11	PT-BNA-SOIL	SOIL	Di-n-butylphthalate	3,100.000	E	84.1	170	ug/Kg
P4495-11	PT-BNA-SOIL	SOIL	Fluoranthene	1,600.000		81.5	170	ug/Kg
P4495-11	PT-BNA-SOIL	SOIL	Butylbenzylphthalate	4,000.000	E	96.6	170	ug/Kg
P4495-11	PT-BNA-SOIL	SOIL	Benzo(a)anthracene	2,100.000		80.5	170	ug/Kg
P4495-11	PT-BNA-SOIL	SOIL	Bis(2-ethylhexyl)phthalate	1,900.000		90.8	170	ug/Kg
P4495-11	PT-BNA-SOIL	SOIL	Indeno(1,2,3-cd)pyrene	1,500.000		77.9	170	ug/Kg
P4495-11	PT-BNA-SOIL	SOIL	2,3,4,6-Tetrachlorophenol	2,300.000		74.5	170	ug/Kg
			Total Svoc :	**112,500.00**				
			Total Concentration:	**112,500.00**				

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Hit Summary Sheet
SW-846

SDG No.: P4495

Client: Chemtech Consulting Group

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID :	**PT-BNA-SOILDL**							
P4495-11DL	PT-BNA-SOILDL	SOIL	bis(2-Chloroethyl)ether	5,600.000	D	420	850	ug/Kg
P4495-11DL	PT-BNA-SOILDL	SOIL	2-Chlorophenol	1,900.000	D	420	850	ug/Kg
P4495-11DL	PT-BNA-SOILDL	SOIL	1,2-Dichlorobenzene	2,600.000	D	420	850	ug/Kg
P4495-11DL	PT-BNA-SOILDL	SOIL	1,3-Dichlorobenzene	3,900.000	D	430	850	ug/Kg
P4495-11DL	PT-BNA-SOILDL	SOIL	1,4-Dichlorobenzene	4,700.000	D	430	850	ug/Kg
P4495-11DL	PT-BNA-SOILDL	SOIL	2,2-oxybis(1-Chloropropane)	2,800.000	D	450	850	ug/Kg
P4495-11DL	PT-BNA-SOILDL	SOIL	n-Nitroso-di-n-propylamine	5,700.000	D	200	400	ug/Kg
P4495-11DL	PT-BNA-SOILDL	SOIL	Hexachloroethane	3,300.000	D	410	850	ug/Kg
P4495-11DL	PT-BNA-SOILDL	SOIL	Nitrobenzene	5,700.000	D	450	850	ug/Kg
P4495-11DL	PT-BNA-SOILDL	SOIL	Isophorone	4,300.000	D	420	850	ug/Kg
P4495-11DL	PT-BNA-SOILDL	SOIL	2-Nitrophenol	2,100.000	D	470	850	ug/Kg
P4495-11DL	PT-BNA-SOILDL	SOIL	bis(2-Chloroethoxy)methane	3,800.000	D	430	850	ug/Kg
P4495-11DL	PT-BNA-SOILDL	SOIL	1,2,4-Trichlorobenzene	4,700.000	D	430	850	ug/Kg
P4495-11DL	PT-BNA-SOILDL	SOIL	2-Methylnaphthalene	3,400.000	D	410	850	ug/Kg
P4495-11DL	PT-BNA-SOILDL	SOIL	2,4,6-Trichlorophenol	3,800.000	D	360	850	ug/Kg
P4495-11DL	PT-BNA-SOILDL	SOIL	2-Chloronaphthalene	2,300.000	D	420	850	ug/Kg
P4495-11DL	PT-BNA-SOILDL	SOIL	Dimethylphthalate	2,400.000	D	410	850	ug/Kg
P4495-11DL	PT-BNA-SOILDL	SOIL	Acenaphthylene	2,900.000	D	430	850	ug/Kg
P4495-11DL	PT-BNA-SOILDL	SOIL	Acenaphthene	2,400.000	D	400	850	ug/Kg
P4495-11DL	PT-BNA-SOILDL	SOIL	4-Nitrophenol	2,100.000	D	580	1600	ug/Kg
P4495-11DL	PT-BNA-SOILDL	SOIL	Dibenzofuran	4,500.000	D	420	850	ug/Kg
P4495-11DL	PT-BNA-SOILDL	SOIL	Fluorene	3,900.000	D	430	850	ug/Kg
P4495-11DL	PT-BNA-SOILDL	SOIL	4-Bromophenyl-phenylether	3,500.000	D	390	850	ug/Kg
P4495-11DL	PT-BNA-SOILDL	SOIL	Hexachlorobenzene	2,500.000	D	420	850	ug/Kg
P4495-11DL	PT-BNA-SOILDL	SOIL	Pentachlorophenol	2,400.000	D	390	1600	ug/Kg
P4495-11DL	PT-BNA-SOILDL	SOIL	Phenanthrene	2,100.000	D	420	850	ug/Kg
P4495-11DL	PT-BNA-SOILDL	SOIL	Anthracene	2,700.000	D	420	850	ug/Kg
P4495-11DL	PT-BNA-SOILDL	SOIL	Carbazole	3,300.000	D	400	850	ug/Kg
P4495-11DL	PT-BNA-SOILDL	SOIL	Di-n-butylphthalate	3,300.000	D	420	850	ug/Kg
P4495-11DL	PT-BNA-SOILDL	SOIL	Fluoranthene	1,600.000	D	410	850	ug/Kg
P4495-11DL	PT-BNA-SOILDL	SOIL	Butylbenzylphthalate	3,800.000	D	480	850	ug/Kg
P4495-11DL	PT-BNA-SOILDL	SOIL	Benzo(a)anthracene	2,000.000	D	400	850	ug/Kg
P4495-11DL	PT-BNA-SOILDL	SOIL	Bis(2-ethylhexyl)phthalate	1,900.000	D	450	850	ug/Kg
P4495-11DL	PT-BNA-SOILDL	SOIL	Indeno(1,2,3-cd)pyrene	1,200.000	D	390	850	ug/Kg
P4495-11DL	PT-BNA-SOILDL	SOIL	2,3,4,6-Tetrachlorophenol	2,100.000	D	370	850	ug/Kg
			Total Svoc :	**111,200.00**				
			Total Concentration:	**111,200.00**				

SAMPLE DATA

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

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	10/21/24
Project:	NJ Soil PT	Date Received:	10/23/24
Client Sample ID:	PT-BNA-SOIL	SDG No.:	P4495
Lab Sample ID:	P4495-11	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
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
BF140343.D	1	10/25/24 09:50	11/13/24 15:25	PB164401

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
62-75-9	n-Nitrosodimethylamine	86.6	U	86.6	330	ug/Kg
110-86-1	Pyridine	79.7	U	79.7	170	ug/Kg
100-52-7	Benzaldehyde	180	U	180	330	ug/Kg
62-53-3	Aniline	96.7	U	96.7	170	ug/Kg
108-95-2	Phenol	82.7	U	82.7	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	5500	E	83.5	170	ug/Kg
95-57-8	2-Chlorophenol	2100		83.3	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	2600		84.4	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	3800	E	85.8	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	4400	E	86.3	170	ug/Kg
100-51-6	Benzyl Alcohol	82.8	U	82.8	330	ug/Kg
95-48-7	2-Methylphenol	80.4	U	80.4	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	3000	E	90.7	170	ug/Kg
98-86-2	Acetophenone	86.7	U	86.7	170	ug/Kg
65794-96-9	3+4-Methylphenols	79.6	U	79.6	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	5900	E	40.2	79.8	ug/Kg
67-72-1	Hexachloroethane	3400	E	82.8	170	ug/Kg
98-95-3	Nitrobenzene	5800	E	90.6	170	ug/Kg
78-59-1	Isophorone	4400	E	84.4	170	ug/Kg
88-75-5	2-Nitrophenol	2300		94.3	170	ug/Kg
105-67-9	2,4-Dimethylphenol	93.0	U	93.0	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	4000	E	85.6	170	ug/Kg
120-83-2	2,4-Dichlorophenol	75.3	U	75.3	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	4600	E	85.2	170	ug/Kg
65-85-0	Benzoic acid	240	U	240	330	ug/Kg
91-20-3	Naphthalene	82.4	U	82.4	170	ug/Kg
106-47-8	4-Chloroaniline	82.4	U	82.4	170	ug/Kg
87-68-3	Hexachlorobutadiene	83.1	U	83.1	170	ug/Kg
105-60-2	Caprolactam	86.6	U	86.6	330	ug/Kg

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Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	10/21/24
Project:	NJ Soil PT	Date Received:	10/23/24
Client Sample ID:	PT-BNA-SOIL	SDG No.:	P4495
Lab Sample ID:	P4495-11	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
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
BF140343.D	1	10/25/24 09:50	11/13/24 15:25	PB164401

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
59-50-7	4-Chloro-3-methylphenol	77.3	U	77.3	170	ug/Kg
91-57-6	2-Methylnaphthalene	3200	E	82.3	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	160	U	160	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	3800	E	71.2	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	73.8	U	73.8	170	ug/Kg
92-52-4	1,1-Biphenyl	87.2	U	87.2	170	ug/Kg
91-58-7	2-Chloronaphthalene	2300		83.1	170	ug/Kg
88-74-4	2-Nitroaniline	94.8	U	94.8	170	ug/Kg
131-11-3	Dimethylphthalate	2300		81.5	170	ug/Kg
208-96-8	Acenaphthylene	2800	E	86.3	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	83.0	U	83.0	170	ug/Kg
99-09-2	3-Nitroaniline	89.0	U	89.0	170	ug/Kg
83-32-9	Acenaphthene	2400		80.9	170	ug/Kg
51-28-5	2,4-Dinitrophenol	240	U	240	330	ug/Kg
100-02-7	4-Nitrophenol	2800	E	120	330	ug/Kg
132-64-9	Dibenzofuran	4000	E	84.2	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	86.0	U	86.0	170	ug/Kg
84-66-2	Diethylphthalate	79.9	U	79.9	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	85.4	U	85.4	170	ug/Kg
86-73-7	Fluorene	3600	E	85.3	170	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	UQ	120	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	81.4	U	81.4	170	ug/Kg
103-33-3	Azobenzene	79.4	U	79.4	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	3300	E	78.7	170	ug/Kg
118-74-1	Hexachlorobenzene	2600		84.8	170	ug/Kg
1912-24-9	Atrazine	91.2	U	91.2	170	ug/Kg
87-86-5	Pentachlorophenol	3200	E	77.1	330	ug/Kg
85-01-8	Phenanthrene	2100		83.8	170	ug/Kg
120-12-7	Anthracene	2600		84.2	170	ug/Kg
86-74-8	Carbazole	3200	E	80.1	170	ug/Kg

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

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	10/21/24
Project:	NJ Soil PT	Date Received:	10/23/24
Client Sample ID:	PT-BNA-SOIL	SDG No.:	P4495
Lab Sample ID:	P4495-11	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
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
BF140343.D	1	10/25/24 09:50	11/13/24 15:25	PB164401

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
84-74-2	Di-n-butylphthalate	3100	E	84.1	170	ug/Kg
206-44-0	Fluoranthene	1600		81.5	170	ug/Kg
92-87-5	Benzidine	160	U	160	330	ug/Kg
129-00-0	Pyrene	82.8	U	82.8	170	ug/Kg
85-68-7	Butylbenzylphthalate	4000	E	96.6	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	98.4	U	98.4	330	ug/Kg
56-55-3	Benzo(a)anthracene	2100		80.5	170	ug/Kg
218-01-9	Chrysene	79.3	U	79.3	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1900		90.8	170	ug/Kg
117-84-0	Di-n-octyl phthalate	110	U	110	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	80.9	U	80.9	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	82.4	U	82.4	170	ug/Kg
50-32-8	Benzo(a)pyrene	92.8	U	92.8	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1500		77.9	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	81.0	U	81.0	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	79.9	U	79.9	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	86.6	U	86.6	170	ug/Kg
123-91-1	1,4-Dioxane	110	U	110	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	2300		74.5	170	ug/Kg
90-12-0	1-Methylnaphthalene	83.0	U	83.0	170	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	88.0		18 - 112	59%	SPK: 150
13127-88-3	Phenol-d6	91.3		15 - 107	61%	SPK: 150
4165-60-0	Nitrobenzene-d5	64.2		18 - 107	64%	SPK: 100
321-60-8	2-Fluorobiphenyl	65.3		20 - 109	65%	SPK: 100
118-79-6	2,4,6-Tribromophenol	99.2		10 - 116	66%	SPK: 150
1718-51-0	Terphenyl-d14	83.0		10 - 105	83%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	108000	6.875			
1146-65-2	Naphthalene-d8	423000	8.157			

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Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	10/21/24
Project:	NJ Soil PT	Date Received:	10/23/24
Client Sample ID:	PT-BNA-SOIL	SDG No.:	P4495
Lab Sample ID:	P4495-11	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
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
BF140343.D	1	10/25/24 09:50	11/13/24 15:25	PB164401

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
15067-26-2	Acenaphthene-d10	238000	9.91			
1517-22-2	Phenanthrene-d10	445000	11.404			
1719-03-5	Chrysene-d12	249000	14.08			
1520-96-3	Perylene-d12	223000	15.615			

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:	Chemtech Consulting Group	Date Collected:	10/21/24
Project:	NJ Soil PT	Date Received:	10/23/24
Client Sample ID:	PT-BNA-SOILDL	SDG No.:	P4495
Lab Sample ID:	P4495-11DL	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
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
BF140344.D	5	10/25/24 09:50	11/13/24 16:02	PB164401

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
62-75-9	n-Nitrosodimethylamine	430	UD	430	1600	ug/Kg
110-86-1	Pyridine	400	UD	400	850	ug/Kg
100-52-7	Benzaldehyde	910	UD	910	1600	ug/Kg
62-53-3	Aniline	480	UD	480	850	ug/Kg
108-95-2	Phenol	410	UD	410	850	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	5600	D	420	850	ug/Kg
95-57-8	2-Chlorophenol	1900	D	420	850	ug/Kg
95-50-1	1,2-Dichlorobenzene	2600	D	420	850	ug/Kg
541-73-1	1,3-Dichlorobenzene	3900	D	430	850	ug/Kg
106-46-7	1,4-Dichlorobenzene	4700	D	430	850	ug/Kg
100-51-6	Benzyl Alcohol	410	UD	410	1600	ug/Kg
95-48-7	2-Methylphenol	400	UD	400	850	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	2800	D	450	850	ug/Kg
98-86-2	Acetophenone	430	UD	430	850	ug/Kg
65794-96-9	3+4-Methylphenols	400	UD	400	1600	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	5700	D	200	400	ug/Kg
67-72-1	Hexachloroethane	3300	D	410	850	ug/Kg
98-95-3	Nitrobenzene	5700	D	450	850	ug/Kg
78-59-1	Isophorone	4300	D	420	850	ug/Kg
88-75-5	2-Nitrophenol	2100	D	470	850	ug/Kg
105-67-9	2,4-Dimethylphenol	460	UD	460	850	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	3800	D	430	850	ug/Kg
120-83-2	2,4-Dichlorophenol	380	UD	380	850	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	4700	D	430	850	ug/Kg
65-85-0	Benzoic acid	1200	UD	1200	1600	ug/Kg
91-20-3	Naphthalene	410	UD	410	850	ug/Kg
106-47-8	4-Chloroaniline	410	UD	410	850	ug/Kg
87-68-3	Hexachlorobutadiene	420	UD	420	850	ug/Kg
105-60-2	Caprolactam	430	UD	430	1600	ug/Kg

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Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	10/21/24
Project:	NJ Soil PT	Date Received:	10/23/24
Client Sample ID:	PT-BNA-SOILDL	SDG No.:	P4495
Lab Sample ID:	P4495-11DL	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
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
BF140344.D	5	10/25/24 09:50	11/13/24 16:02	PB164401

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
59-50-7	4-Chloro-3-methylphenol	390	UD	390	850	ug/Kg
91-57-6	2-Methylnaphthalene	3400	D	410	850	ug/Kg
77-47-4	Hexachlorocyclopentadiene	780	UD	780	1600	ug/Kg
88-06-2	2,4,6-Trichlorophenol	3800	D	360	850	ug/Kg
95-95-4	2,4,5-Trichlorophenol	370	UD	370	850	ug/Kg
92-52-4	1,1-Biphenyl	440	UD	440	850	ug/Kg
91-58-7	2-Chloronaphthalene	2300	D	420	850	ug/Kg
88-74-4	2-Nitroaniline	470	UD	470	850	ug/Kg
131-11-3	Dimethylphthalate	2400	D	410	850	ug/Kg
208-96-8	Acenaphthylene	2900	D	430	850	ug/Kg
606-20-2	2,6-Dinitrotoluene	420	UD	420	850	ug/Kg
99-09-2	3-Nitroaniline	440	UD	440	850	ug/Kg
83-32-9	Acenaphthene	2400	D	400	850	ug/Kg
51-28-5	2,4-Dinitrophenol	1200	UD	1200	1600	ug/Kg
100-02-7	4-Nitrophenol	2100	D	580	1600	ug/Kg
132-64-9	Dibenzofuran	4500	D	420	850	ug/Kg
121-14-2	2,4-Dinitrotoluene	430	UD	430	850	ug/Kg
84-66-2	Diethylphthalate	400	UD	400	850	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	430	UD	430	850	ug/Kg
86-73-7	Fluorene	3900	D	430	850	ug/Kg
100-01-6	4-Nitroaniline	530	UD	530	850	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	580	UDQ	580	1600	ug/Kg
86-30-6	n-Nitrosodiphenylamine	410	UD	410	850	ug/Kg
103-33-3	Azobenzene	400	UD	400	850	ug/Kg
101-55-3	4-Bromophenyl-phenylether	3500	D	390	850	ug/Kg
118-74-1	Hexachlorobenzene	2500	D	420	850	ug/Kg
1912-24-9	Atrazine	460	UD	460	850	ug/Kg
87-86-5	Pentachlorophenol	2400	D	390	1600	ug/Kg
85-01-8	Phenanthrene	2100	D	420	850	ug/Kg
120-12-7	Anthracene	2700	D	420	850	ug/Kg
86-74-8	Carbazole	3300	D	400	850	ug/Kg

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Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	10/21/24
Project:	NJ Soil PT	Date Received:	10/23/24
Client Sample ID:	PT-BNA-SOILDL	SDG No.:	P4495
Lab Sample ID:	P4495-11DL	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
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
BF140344.D	5	10/25/24 09:50	11/13/24 16:02	PB164401

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
84-74-2	Di-n-butylphthalate	3300	D	420	850	ug/Kg
206-44-0	Fluoranthene	1600	D	410	850	ug/Kg
92-87-5	Benzidine	810	UD	810	1600	ug/Kg
129-00-0	Pyrene	410	UD	410	850	ug/Kg
85-68-7	Butylbenzylphthalate	3800	D	480	850	ug/Kg
91-94-1	3,3-Dichlorobenzidine	490	UD	490	1600	ug/Kg
56-55-3	Benzo(a)anthracene	2000	D	400	850	ug/Kg
218-01-9	Chrysene	400	UD	400	850	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1900	D	450	850	ug/Kg
117-84-0	Di-n-octyl phthalate	550	UD	550	1600	ug/Kg
205-99-2	Benzo(b)fluoranthene	400	UD	400	850	ug/Kg
207-08-9	Benzo(k)fluoranthene	410	UD	410	850	ug/Kg
50-32-8	Benzo(a)pyrene	460	UD	460	850	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1200	D	390	850	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	410	UD	410	850	ug/Kg
191-24-2	Benzo(g,h,i)perylene	400	UD	400	850	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	430	UD	430	850	ug/Kg
123-91-1	1,4-Dioxane	550	UD	550	850	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	2100	D	370	850	ug/Kg
90-12-0	1-Methylnaphthalene	420	UD	420	850	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	82.4		18 - 112	55%	SPK: 150
13127-88-3	Phenol-d6	84.0		15 - 107	56%	SPK: 150
4165-60-0	Nitrobenzene-d5	57.4		18 - 107	57%	SPK: 100
321-60-8	2-Fluorobiphenyl	64.8		20 - 109	65%	SPK: 100
118-79-6	2,4,6-Tribromophenol	91.7		10 - 116	61%	SPK: 150
1718-51-0	Terphenyl-d14	78.4		10 - 105	78%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	114000	6.875			
1146-65-2	Naphthalene-d8	459000	8.157			

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Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	10/21/24
Project:	NJ Soil PT	Date Received:	10/23/24
Client Sample ID:	PT-BNA-SOILDL	SDG No.:	P4495
Lab Sample ID:	P4495-11DL	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
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
BF140344.D	5	10/25/24 09:50	11/13/24 16:02	PB164401

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
15067-26-2	Acenaphthene-d10	256000	9.91			
1517-22-2	Phenanthrene-d10	483000	11.398			
1719-03-5	Chrysene-d12	304000	14.063			
1520-96-3	Perylene-d12	246000	15.586			

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.: P4495

Client: Chemtech Consulting Group

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	High
P4495-11	PT-BNA-SOIL	2-Fluorophenol	150	88.0	59		18	112
		Phenol-d6	150	91.3	61		15	107
		Nitrobenzene-d5	100	64.2	64		18	107
		2-Fluorobiphenyl	100	65.3	65		20	109
		2,4,6-Tribromophenol	150	99.2	66		10	116
		Terphenyl-d14	100	83.0	83		10	105
P4495-11DL	PT-BNA-SOILDL	2-Fluorophenol	150	82.4	55		18	112
		Phenol-d6	150	84.0	56		15	107
		Nitrobenzene-d5	100	57.4	57		18	107
		2-Fluorobiphenyl	100	64.8	65		20	109
		2,4,6-Tribromophenol	150	91.7	61		10	116
		Terphenyl-d14	100	78.4	78		10	105
P4547-05MS	BP-F-20MS	2-Fluorophenol	150	90.8	61		18	112
		Phenol-d6	150	91.2	61		15	107
		Nitrobenzene-d5	100	66.4	66		18	107
		2-Fluorobiphenyl	100	61.5	61		20	109
		2,4,6-Tribromophenol	150	106	71		10	116
		Terphenyl-d14	100	68.7	69		10	105
P4547-05MSD	BP-F-20MSD	2-Fluorophenol	150	90.8	61		18	112
		Phenol-d6	150	91.9	61		15	107
		Nitrobenzene-d5	100	66.5	66		18	107
		2-Fluorobiphenyl	100	61.6	62		20	109
		2,4,6-Tribromophenol	150	109	73		10	116
		Terphenyl-d14	100	70.4	70		10	105
PB164401BL	PB164401BL	2-Fluorophenol	150	129	86		18	112
		Phenol-d6	150	126	84		15	107
		Nitrobenzene-d5	100	87.1	87		18	107
		2-Fluorobiphenyl	100	85.2	85		20	109
		2,4,6-Tribromophenol	150	121	80		10	116
		Terphenyl-d14	100	82.5	82		10	105
PB164401BS	PB164401BS	2-Fluorophenol	150	115	77		18	112
		Phenol-d6	150	112	75		15	107
		Nitrobenzene-d5	100	85.7	86		18	107
		2-Fluorobiphenyl	100	83.9	84		20	109
		2,4,6-Tribromophenol	150	135	90		10	116
		Terphenyl-d14	100	87.9	88		10	105

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4495

Client: Chemtech Consulting Group

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: P4547-05MS		**Client Sample ID: BP-F-20MS**						**DataFile: BF140057.D**			
n-Nitrosodimethylamine	1200	0	940	ug/Kg	78				66	124	
Pyridine	1200	0	930	ug/Kg	78				45	119	
Benzaldehyde	1200	0	280	ug/Kg	23				10	86	
Aniline	1200	0	570	ug/Kg	48				10	88	
Phenol	1200	0	970	ug/Kg	81				67	126	
bis(2-Chloroethyl)ether	1200	0	940	ug/Kg	78				54	125	
2-Chlorophenol	1200	0	1000	ug/Kg	83				79	107	
1,2-Dichlorobenzene	1200	0	980	ug/Kg	82				61	105	
1,3-Dichlorobenzene	1200	0	930	ug/Kg	78				62	101	
1,4-Dichlorobenzene	1200	0	940	ug/Kg	78				63	104	
Benzyl Alcohol	1200	0	1000	ug/Kg	83				47	126	
2-Methylphenol	1200	0	970	ug/Kg	81				66	122	
2,2-oxybis(1-Chloropropane)	1200	0	910	ug/Kg	76				65	110	
Acetophenone	1200	0	920	ug/Kg	77				75	111	
3+4-Methylphenols	1200	0	940	ug/Kg	78				66	104	
N-Nitroso-di-n-propylamine	1200	0	950	ug/Kg	79				59	119	
Hexachloroethane	1200	0	960	ug/Kg	80				65	117	
Nitrobenzene	1200	0	930	ug/Kg	78				70	119	
Isophorone	1200	0	980	ug/Kg	82				76	122	
2-Nitrophenol	1200	0	1200	ug/Kg	100				54	145	
2,4-Dimethylphenol	1200	0	1100	ug/Kg	92				44	135	
bis(2-Chloroethoxy)methane	1200	0	950	ug/Kg	79				68	112	
2,4-Dichlorophenol	1200	0	990	ug/Kg	83				72	118	
1,2,4-Trichlorobenzene	1200	0	930	ug/Kg	78				57	103	
Benzoic acid	1200	0	890	ug/Kg	74				50	104	
Naphthalene	1200	0	940	ug/Kg	78				72	110	
4-Chloroaniline	1200	0	170	ug/Kg	14				10	91	
Hexachlorobutadiene	1200	0	960	ug/Kg	80				66	114	
Caprolactam	1200	0	990	ug/Kg	83				51	134	
4-Chloro-3-methylphenol	1200	0	990	ug/Kg	83				57	132	
2-Methylnaphthalene	1200	0	980	ug/Kg	82				59	123	
Hexachlorocyclopentadiene	2300	0	3100	ug/Kg	135				10	175	
2,4,6-Trichlorophenol	1200	0	1000	ug/Kg	83				72	117	
2,4,5-Trichlorophenol	1200	0	970	ug/Kg	81				72	117	
1,1-Biphenyl	1200	0	940	ug/Kg	78				75	113	
2-Chloronaphthalene	1200	0	940	ug/Kg	78				67	118	
2-Nitroaniline	1200	0	1100	ug/Kg	92				69	127	
Dimethylphthalate	1200	0	990	ug/Kg	83				70	113	
Acenaphthylene	1200	0	1000	ug/Kg	83				79	118	
2,6-Dinitrotoluene	1200	0	1000	ug/Kg	83				70	125	
3-Nitroaniline	1200	0	440	ug/Kg	37				30	99	
Acenaphthene	1200	0	1100	ug/Kg	92				70	121	
2,4-Dinitrophenol	2300	0	2300	ug/Kg	100				10	155	
4-Nitrophenol	2300	0	1900	ug/Kg	83				45	133	
Dibenzofuran	1200	0	950	ug/Kg	79				72	110	
2,4-Dinitrotoluene	1200	0	1100	ug/Kg	92				55	128	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4495

Client: Chemtech Consulting Group

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Diethylphthalate	1200	0	980	ug/Kg	82				70	112	
4-Chlorophenyl-phenylether	1200	0	970	ug/Kg	81				71	108	
Fluorene	1200	0	940	ug/Kg	78				68	116	
4-Nitroaniline	1200	0	970	ug/Kg	81				55	120	
4,6-Dinitro-2-methylphenol	1200	0	1400	ug/Kg	117				10	160	
N-Nitrosodiphenylamine	1200	0	980	ug/Kg	82				73	118	
Azobenzene	1200	0	1000	ug/Kg	83				73	110	
4-Bromophenyl-phenylether	1200	0	1000	ug/Kg	83				65	121	
Hexachlorobenzene	1200	0	980	ug/Kg	82				67	118	
Atrazine	1200	0	1200	ug/Kg	100				79	127	
Pentachlorophenol	2300	0	1900	ug/Kg	83				47	128	
Phenanthrene	1200	0	960	ug/Kg	80				52	128	
Anthracene	1200	0	1000	ug/Kg	83				62	124	
Carbazole	1200	0	910	ug/Kg	76				59	119	
Di-n-butylphthalate	1200	0	1000	ug/Kg	83				69	118	
Fluoranthene	1200	0	870	ug/Kg	73				44	125	
Benzidine	2300	0	1200	ug/Kg	52				10	119	
Pyrene	1200	0	970	ug/Kg	81				26	142	
Butylbenzylphthalate	1200	0	1300	ug/Kg	108				64	126	
3,3-Dichlorobenzidine	1200	0	520	ug/Kg	43				33	116	
Benzo(a)anthracene	1200	0	990	ug/Kg	83				71	114	
Chrysene	1200	0	950	ug/Kg	79				57	121	
bis(2-Ethylhexyl)phthalate	1200	0	1400	ug/Kg	117				42	169	
Di-n-octyl phthalate	1200	0	1200	ug/Kg	100				23	175	
Benzo(b)fluoranthene	1200	0	920	ug/Kg	77				67	121	
Benzo(k)fluoranthene	1200	0	1000	ug/Kg	83				57	134	
Benzo(a)pyrene	1200	0	1100	ug/Kg	92				70	142	
Indeno(1,2,3-cd)pyrene	1200	0	880	ug/Kg	73				40	129	
Dibenz(a,h)anthracene	1200	0	890	ug/Kg	74				43	123	
Benzo(g,h,i)perylene	1200	0	740	ug/Kg	62				24	125	
1,2,4,5-Tetrachlorobenzene	1200	0	960	ug/Kg	80				69	124	
1,4-Dioxane	1200	0	890	ug/Kg	74				46	112	
2,3,4,6-Tetrachlorophenol	1200	0	1000	ug/Kg	83				69	112	
1-Methylnaphthalene	1200	0	930	ug/Kg	78				70	130	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4495

Client: Chemtech Consulting Group

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: P4547-05MSD		**Client Sample ID: BP-F-20MSD**						**DataFile: BF140058.D**			
n-Nitrosodimethylamine	1200	0	900	ug/Kg	75		4		66	124	20
Pyridine	1200	0	880	ug/Kg	73		7		45	119	20
Benzaldehyde	1200	0	280	ug/Kg	23		0		10	86	20
Aniline	1200	0	580	ug/Kg	48		0		10	88	20
Phenol	1200	0	990	ug/Kg	83		2		67	126	20
bis(2-Chloroethyl)ether	1200	0	970	ug/Kg	81		4		54	125	20
2-Chlorophenol	1200	0	1000	ug/Kg	83		0		79	107	20
1,2-Dichlorobenzene	1200	0	980	ug/Kg	82		0		61	105	20
1,3-Dichlorobenzene	1200	0	950	ug/Kg	79		1		62	101	20
1,4-Dichlorobenzene	1200	0	970	ug/Kg	81		4		63	104	20
Benzyl Alcohol	1200	0	1000	ug/Kg	83		0		47	126	20
2-Methylphenol	1200	0	990	ug/Kg	83		2		66	122	20
2,2-oxybis(1-Chloropropane)	1200	0	920	ug/Kg	77		1		65	110	20
Acetophenone	1200	0	930	ug/Kg	78		1		75	111	20
3+4-Methylphenols	1200	0	960	ug/Kg	80		3		66	104	20
N-Nitroso-di-n-propylamine	1200	0	960	ug/Kg	80		1		59	119	20
Hexachloroethane	1200	0	970	ug/Kg	81		1		65	117	20
Nitrobenzene	1200	0	940	ug/Kg	78		0		70	119	20
Isophorone	1200	0	990	ug/Kg	83		1		76	122	20
2-Nitrophenol	1200	0	1200	ug/Kg	100		0		54	145	20
2,4-Dimethylphenol	1200	0	1100	ug/Kg	92		0		44	135	20
bis(2-Chloroethoxy)methane	1200	0	970	ug/Kg	81		3		68	112	20
2,4-Dichlorophenol	1200	0	990	ug/Kg	83		0		72	118	20
1,2,4-Trichlorobenzene	1200	0	930	ug/Kg	78		0		57	103	20
Benzoic acid	1200	0	900	ug/Kg	75		1		50	104	20
Naphthalene	1200	0	950	ug/Kg	79		1		72	110	20
4-Chloroaniline	1200	0	170	ug/Kg	14		0		10	91	20
Hexachlorobutadiene	1200	0	990	ug/Kg	83		4		66	114	20
Caprolactam	1200	0	1000	ug/Kg	83		0		51	134	20
4-Chloro-3-methylphenol	1200	0	1000	ug/Kg	83		0		57	132	20
2-Methylnaphthalene	1200	0	980	ug/Kg	82		0		59	123	20
Hexachlorocyclopentadiene	2300	0	3100	ug/Kg	135		0		10	175	20
2,4,6-Trichlorophenol	1200	0	1000	ug/Kg	83		0		72	117	20
2,4,5-Trichlorophenol	1200	0	990	ug/Kg	83		2		72	117	20
1,1-Biphenyl	1200	0	950	ug/Kg	79		1		75	113	20
2-Chloronaphthalene	1200	0	940	ug/Kg	78		0		67	118	20
2-Nitroaniline	1200	0	1100	ug/Kg	92		0		69	127	20
Dimethylphthalate	1200	0	1000	ug/Kg	83		0		70	113	20
Acenaphthylene	1200	0	1000	ug/Kg	83		0		79	118	20
2,6-Dinitrotoluene	1200	0	1000	ug/Kg	83		0		70	125	20
3-Nitroaniline	1200	0	450	ug/Kg	38		3		30	99	20
Acenaphthene	1200	0	1100	ug/Kg	92		0		70	121	20
2,4-Dinitrophenol	2300	0	2400	ug/Kg	104		4		10	155	20
4-Nitrophenol	2300	0	2000	ug/Kg	87		5		45	133	20
Dibenzofuran	1200	0	980	ug/Kg	82		4		72	110	20
2,4-Dinitrotoluene	1200	0	1100	ug/Kg	92		0		55	128	20

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4495

Client: Chemtech Consulting Group

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Diethylphthalate	1200	0	990	ug/Kg	83	1			70	112	20
4-Chlorophenyl-phenylether	1200	0	980	ug/Kg	82	1			71	108	20
Fluorene	1200	0	950	ug/Kg	79	1			68	116	20
4-Nitroaniline	1200	0	1000	ug/Kg	83	2			55	120	20
4,6-Dinitro-2-methylphenol	1200	0	1400	ug/Kg	117	0			10	160	20
N-Nitrosodiphenylamine	1200	0	990	ug/Kg	83	1			73	118	20
Azobenzene	1200	0	1000	ug/Kg	83	0			73	110	20
4-Bromophenyl-phenylether	1200	0	1000	ug/Kg	83	0			65	121	20
Hexachlorobenzene	1200	0	990	ug/Kg	83	1			67	118	20
Atrazine	1200	0	1200	ug/Kg	100	0			79	127	20
Pentachlorophenol	2300	0	1900	ug/Kg	83	0			47	128	20
Phenanthrene	1200	0	970	ug/Kg	81	1			52	128	20
Anthracene	1200	0	1000	ug/Kg	83	0			62	124	20
Carbazole	1200	0	910	ug/Kg	76	0			59	119	20
Di-n-butylphthalate	1200	0	1000	ug/Kg	83	0			69	118	20
Fluoranthene	1200	0	890	ug/Kg	74	1			44	125	20
Benzidine	2300	0	1300	ug/Kg	57	9			10	119	20
Pyrene	1200	0	980	ug/Kg	82	1			26	142	20
Butylbenzylphthalate	1200	0	1300	ug/Kg	108	0			64	126	20
3,3-Dichlorobenzidine	1200	0	530	ug/Kg	44	2			33	116	20
Benzo(a)anthracene	1200	0	1000	ug/Kg	83	0			71	114	20
Chrysene	1200	0	970	ug/Kg	81	3			57	121	20
bis(2-Ethylhexyl)phthalate	1200	0	1500	ug/Kg	125	7			42	169	20
Di-n-octyl phthalate	1200	0	1300	ug/Kg	108	8			23	175	20
Benzo(b)fluoranthene	1200	0	920	ug/Kg	77	0			67	121	20
Benzo(k)fluoranthene	1200	0	1000	ug/Kg	83	0			57	134	20
Benzo(a)pyrene	1200	0	1100	ug/Kg	92	0			70	142	20
Indeno(1,2,3-cd)pyrene	1200	0	890	ug/Kg	74	1			40	129	20
Dibenz(a,h)anthracene	1200	0	890	ug/Kg	74	0			43	123	20
Benzo(g,h,i)perylene	1200	0	740	ug/Kg	62	0			24	125	20
1,2,4,5-Tetrachlorobenzene	1200	0	960	ug/Kg	80	0			69	124	20
1,4-Dioxane	1200	0	860	ug/Kg	72	3			46	112	20
2,3,4,6-Tetrachlorophenol	1200	0	1000	ug/Kg	83	0			69	112	20
1-Methylnaphthalene	1200	0	940	ug/Kg	78	0			70	130	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4495

Client: Chemtech Consulting Group

Analytical Method: 8270E **DataFile:** BF140052.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB164401BS	n-Nitrosodimethylamine	1700	1300	ug/Kg	76				57	103	
	Pyridine	1700	1300	ug/Kg	76				28	98	
	Benzaldehyde	1700	450	ug/Kg	26				10	133	
	Aniline	1700	1200	ug/Kg	71				38	100	
	Phenol	1700	1400	ug/Kg	82				62	112	
	bis(2-Chloroethyl)ether	1700	1400	ug/Kg	82				60	101	
	2-Chlorophenol	1700	1500	ug/Kg	88				65	112	
	1,2-Dichlorobenzene	1700	1500	ug/Kg	88				51	102	
	1,3-Dichlorobenzene	1700	1400	ug/Kg	82				52	99	
	1,4-Dichlorobenzene	1700	1400	ug/Kg	82				52	100	
	Benzyl Alcohol	1700	1500	ug/Kg	88				42	116	
	2-Methylphenol	1700	1400	ug/Kg	82				61	108	
	2,2-oxybis(1-Chloropropane)	1700	1400	ug/Kg	82				51	100	
	Acetophenone	1700	1400	ug/Kg	82				66	98	
	3+4-Methylphenols	1700	1400	ug/Kg	82				58	111	
	N-Nitroso-di-n-propylamine	1700	1400	ug/Kg	82				63	95	
	Hexachloroethane	1700	1400	ug/Kg	82				72	108	
	Nitrobenzene	1700	1400	ug/Kg	82				57	101	
	Isophorone	1700	1400	ug/Kg	82				59	99	
	2-Nitrophenol	1700	1700	ug/Kg	100				61	111	
	2,4-Dimethylphenol	1700	1600	ug/Kg	94				46	141	
	bis(2-Chloroethoxy)methane	1700	1400	ug/Kg	82				66	97	
	2,4-Dichlorophenol	1700	1400	ug/Kg	82				62	107	
	1,2,4-Trichlorobenzene	1700	1400	ug/Kg	82				44	110	
	Benzoic acid	1700	1300	ug/Kg	76				10	140	
	Naphthalene	1700	1400	ug/Kg	82				62	100	
	4-Chloroaniline	1700	580	ug/Kg	34				16	100	
	Hexachlorobutadiene	1700	1400	ug/Kg	82				53	98	
	Caprolactam	1700	1500	ug/Kg	88				67	110	
	4-Chloro-3-methylphenol	1700	1400	ug/Kg	82				58	112	
	2-Methylnaphthalene	1700	1400	ug/Kg	82				60	104	
	Hexachlorocyclopentadiene	3300	5400	ug/Kg	164				45	165	
	2,4,6-Trichlorophenol	1700	1500	ug/Kg	88				59	102	
	2,4,5-Trichlorophenol	1700	1500	ug/Kg	88				61	98	
	1,1-Biphenyl	1700	1400	ug/Kg	82				57	103	
	2-Chloronaphthalene	1700	1400	ug/Kg	82				58	99	
	2-Nitroaniline	1700	1600	ug/Kg	94				66	101	
	Dimethylphthalate	1700	1400	ug/Kg	82				61	99	
	Acenaphthylene	1700	1500	ug/Kg	88				63	101	
	2,6-Dinitrotoluene	1700	1500	ug/Kg	88				61	104	
	3-Nitroaniline	1700	1000	ug/Kg	59				28	100	
	Acenaphthene	1700	1600	ug/Kg	94				57	104	
	2,4-Dinitrophenol	3300	3600	ug/Kg	109				37	128	
	4-Nitrophenol	3300	3200	ug/Kg	97				48	119	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4495

Client: Chemtech Consulting Group

Analytical Method: 8270E **DataFile:** BF140052.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB164401BS	Dibenzofuran	1700	1400	ug/Kg	82				63	99	
	2,4-Dinitrotoluene	1700	1700	ug/Kg	100				60	106	
	Diethylphthalate	1700	1400	ug/Kg	82				60	101	
	4-Chlorophenyl-phenylether	1700	1400	ug/Kg	82				58	98	
	Fluorene	1700	1400	ug/Kg	82				61	101	
	4-Nitroaniline	1700	1600	ug/Kg	94				64	103	
	4,6-Dinitro-2-methylphenol	1700	2000	ug/Kg	118		*		76	113	
	N-Nitrosodiphenylamine	1700	1400	ug/Kg	82				71	99	
	Azobenzene	1700	1400	ug/Kg	82				54	103	
	4-Bromophenyl-phenylether	1700	1400	ug/Kg	82				66	102	
	Hexachlorobenzene	1700	1400	ug/Kg	82				64	98	
	Atrazine	1700	1700	ug/Kg	100				47	152	
	Pentachlorophenol	3300	2900	ug/Kg	88				67	105	
	Phenanthrene	1700	1500	ug/Kg	88				59	103	
	Anthracene	1700	1500	ug/Kg	88				61	105	
	Carbazole	1700	1500	ug/Kg	88				61	99	
	Di-n-butylphthalate	1700	1400	ug/Kg	82				58	104	
	Fluoranthene	1700	1500	ug/Kg	88				57	107	
	Benzidine	3300	1600	ug/Kg	48				10	98	
	Pyrene	1700	1500	ug/Kg	88				59	103	
	Butylbenzylphthalate	1700	1700	ug/Kg	100				55	103	
	3,3-Dichlorobenzidine	1700	1000	ug/Kg	59				42	91	
	Benzo(a)anthracene	1700	1500	ug/Kg	88				60	102	
	Chrysene	1700	1500	ug/Kg	88				59	101	
	bis(2-Ethylhexyl)phthalate	1700	1600	ug/Kg	94				54	135	
	Di-n-octyl phthalate	1700	1300	ug/Kg	76				52	137	
	Benzo(b)fluoranthene	1700	1400	ug/Kg	82				62	109	
	Benzo(k)fluoranthene	1700	1600	ug/Kg	94				62	109	
	Benzo(a)pyrene	1700	1600	ug/Kg	94				63	103	
	Indeno(1,2,3-cd)pyrene	1700	1500	ug/Kg	88				63	101	
	Dibenz(a,h)anthracene	1700	1500	ug/Kg	88				61	112	
	Benzo(g,h,i)perylene	1700	1400	ug/Kg	82				70	108	
	1,2,4,5-Tetrachlorobenzene	1700	1400	ug/Kg	82				53	101	
	1,4-Dioxane	1700	1200	ug/Kg	71				50	96	
	2,3,4,6-Tetrachlorophenol	1700	1600	ug/Kg	94				59	108	
	1-Methylnaphthalene	1700	1400	ug/Kg	82				70	130	

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB164401BL

Lab Name: CHEMTECH Contract: CHEM02

Lab Code: CHEM Case No.: P4495 SAS No.: P4495 SDG NO.: P4495

Lab File ID: BF140342.D Lab Sample ID: PB164401BL

Instrument ID: BNA_F Date Extracted: 10/25/2024

Matrix: (soil/water) SOIL Date Analyzed: 11/13/2024

Level: (low/med) LOW Time Analyzed: 13:45

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PT-BNA-SOIL	P4495-11	BF140343.D	11/13/2024
BP-F-20MS	P4547-05MS	BF140057.D	10/26/2024
BP-F-20MSD	P4547-05MSD	BF140058.D	10/26/2024
PB164401BS	PB164401BS	BF140052.D	10/26/2024

COMMENTS:

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: CHEM02

Lab Code: CHEM SAS No.: P4495 SDG NO.: P4495

Lab File ID: BF139843.D DFTPP Injection Date: 10/18/2024

Instrument ID: BNA_F DFTPP Injection Time: 09:22

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	43.8
68	Less than 2.0% of mass 69	0.7 (1.9) 1
69	Mass 69 relative abundance	37.8
70	Less than 2.0% of mass 69	0.3 (0.7) 1
127	10.0 - 80.0% of mass 198	46.9
197	Less than 2.0% of mass 198	0.8
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 60.0% of mass 198	26.9
365	Greater than 1% of mass 198	3.4
441	Present, but less than mass 443	14
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	17.9 (19.2) 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	BF139844.D	10/18/2024	10:27
SSTDICC005	SSTDICC005	BF139845.D	10/18/2024	10:55
SSTDICC010	SSTDICC010	BF139846.D	10/18/2024	11:23
SSTDICC020	SSTDICC020	BF139847.D	10/18/2024	11:52
SSTDICCC040	SSTDICCC040	BF139848.D	10/18/2024	12:20
SSTDICC050	SSTDICC050	BF139849.D	10/18/2024	12:49
SSTDICC060	SSTDICC060	BF139850.D	10/18/2024	13:17
SSTDICC080	SSTDICC080	BF139851.D	10/18/2024	13:46

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: CHEM02

Lab Code: CHEM SAS No.: P4495 SDG NO.: P4495

Lab File ID: BF140049.D DFTPP Injection Date: 10/26/2024

Instrument ID: BNA_F DFTPP Injection Time: 10:10

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	42.1
68	Less than 2.0% of mass 69	0.7 (1.8) 1
69	Mass 69 relative abundance	38.1
70	Less than 2.0% of mass 69	0.3 (0.7) 1
127	10.0 - 80.0% of mass 198	47.5
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	6.5
275	10.0 - 60.0% of mass 198	28.3
365	Greater than 1% of mass 198	3.3
441	Present, but less than mass 443	14.1
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	18.1 (19.4) 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	BF140050.D	10/26/2024	10:38
PB164401BS	PB164401BS	BF140052.D	10/26/2024	11:34
BP-F-20MS	P4547-05MS	BF140057.D	10/26/2024	13:58
BP-F-20MSD	P4547-05MSD	BF140058.D	10/26/2024	14:27

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: CHEM02

Lab Code: CHEM SAS No.: P4495 SDG NO.: P4495

Lab File ID: BF140331.D DFTPP Injection Date: 11/13/2024

Instrument ID: BNA_F DFTPP Injection Time: 08:35

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	36.9
68	Less than 2.0% of mass 69	0.7 (1.8) 1
69	Mass 69 relative abundance	38
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	48.6
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	6.4
275	10.0 - 60.0% of mass 198	28.3
365	Greater than 1% of mass 198	3.5
441	Present, but less than mass 443	14
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	16.7 (18.8) 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	BF140332.D	11/13/2024	09:01
SSTDICC005	SSTDICC005	BF140333.D	11/13/2024	09:27
SSTDICC010	SSTDICC010	BF140334.D	11/13/2024	09:53
SSTDICC020	SSTDICC020	BF140335.D	11/13/2024	10:29
SSTDICC050	SSTDICC050	BF140337.D	11/13/2024	11:21
SSTDICC060	SSTDICC060	BF140338.D	11/13/2024	11:47
SSTDICC080	SSTDICC080	BF140339.D	11/13/2024	12:13
SSTDICCC040	SSTDICCC040	BF140340.D	11/13/2024	12:48
PB164401BL	PB164401BL	BF140342.D	11/13/2024	13:45
PT-BNA-SOIL	P4495-11	BF140343.D	11/13/2024	15:25
PT-BNA-SOILDL	P4495-11DL	BF140344.D	11/13/2024	16:02

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4495 SAS No.: P4495 SDG NO.: P4495

EPA Sample No.: SSTDCCC040 Date Analyzed: 10/26/2024

Lab File ID: BF140050.D Time Analyzed: 10:38

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	128827	6.892	465620	8.18	252523	9.93
	UPPER LIMIT	257654	7.392	931240	8.675	505046	10.428
	LOWER LIMIT	64413.5	6.392	232810	7.675	126262	9.428
	EPA SAMPLE NO.						
01	PB164401BS	133953	6.89	523078	8.17	286545	9.93
02	BP-F-20MS	141513	6.89	556548	8.17	317233	9.93
03	BP-F-20MSD	142054	6.89	561979	8.17	322249	9.93

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.: P4495 SAS No.: P4495 SDG NO.: P4495

EPA Sample No.: SSTDCCC040 Date Analyzed: 10/26/2024

Lab File ID: BF140050.D Time Analyzed: 10:38

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	452033	11.416	241717	14.051	235878	15.533
	UPPER LIMIT	904066	11.916	483434	14.551	471756	16.033
	LOWER LIMIT	226017	10.916	120859	13.551	117939	15.033
	EPA SAMPLE NO.						
01	PB164401BS	514956	11.42	290190	14.06	270508	15.53
02	BP-F-20MS	543034	11.42	260710	14.05	285198	15.53
03	BP-F-20MSD	559748	11.42	268566	14.05	301700	15.53

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.: P4495 SAS No.: P4495 SDG NO.: P4495

EPA Sample No.: SSTDICCC040 Date Analyzed: 11/13/2024

Lab File ID: BF140340.D Time Analyzed: 12:48

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	147186	6.875	589077	8.16	334544	9.92
	UPPER LIMIT	294372	7.375	1178150	8.657	669088	10.416
	LOWER LIMIT	73593	6.375	294539	7.657	167272	9.416
	EPA SAMPLE NO.						
01	PB164401BL	155301	6.88	608379	8.16	344211	9.91
02	PT-BNA-SOIL	108039	6.88	422748	8.16	238094	9.91
03	PT-BNA-SOILDL	114318	6.88	459141	8.16	255752	9.91

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.: P4495 SAS No.: P4495 SDG NO.: P4495

EPA Sample No.: SSTDICCC040 Date Analyzed: 11/13/2024

Lab File ID: BF140340.D Time Analyzed: 12:48

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	628587	11.404	385940	14.063	322417	15.58
	UPPER LIMIT	1257170	11.904	771880	14.563	644834	16.08
	LOWER LIMIT	314294	10.904	192970	13.563	161209	15.08
	EPA SAMPLE NO.						
01	PB164401BL	680121	11.40	465934	14.06	362493	15.57
02	PT-BNA-SOIL	444526	11.40	249001	14.08	223254	15.62
03	PT-BNA-SOILDL	482859	11.40	303940	14.06	245817	15.59

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

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	
Project:	NJ Soil PT	Date Received:	
Client Sample ID:	PB164401BL	SDG No.:	P4495
Lab Sample ID:	PB164401BL	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
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
BF140342.D	1	10/25/24 09:50	11/13/24 13:45	PB164401

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
62-75-9	n-Nitrosodimethylamine	86.8	U	86.8	330	ug/Kg
110-86-1	Pyridine	79.9	U	79.9	170	ug/Kg
100-52-7	Benzaldehyde	180	U	180	330	ug/Kg
62-53-3	Aniline	96.9	U	96.9	170	ug/Kg
108-95-2	Phenol	82.9	U	82.9	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	83.7	U	83.7	170	ug/Kg
95-57-8	2-Chlorophenol	83.5	U	83.5	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	84.6	U	84.6	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	86.0	U	86.0	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	86.5	U	86.5	170	ug/Kg
100-51-6	Benzyl Alcohol	83.0	U	83.0	330	ug/Kg
95-48-7	2-Methylphenol	80.6	U	80.6	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	90.9	U	90.9	170	ug/Kg
98-86-2	Acetophenone	86.9	U	86.9	170	ug/Kg
65794-96-9	3+4-Methylphenols	79.8	U	79.8	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	40.3	U	40.3	80.0	ug/Kg
67-72-1	Hexachloroethane	83.0	U	83.0	170	ug/Kg
98-95-3	Nitrobenzene	90.8	U	90.8	170	ug/Kg
78-59-1	Isophorone	84.6	U	84.6	170	ug/Kg
88-75-5	2-Nitrophenol	94.5	U	94.5	170	ug/Kg
105-67-9	2,4-Dimethylphenol	93.2	U	93.2	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	85.8	U	85.8	170	ug/Kg
120-83-2	2,4-Dichlorophenol	75.5	U	75.5	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	85.4	U	85.4	170	ug/Kg
65-85-0	Benzoic acid	240	U	240	330	ug/Kg
91-20-3	Naphthalene	82.6	U	82.6	170	ug/Kg
106-47-8	4-Chloroaniline	82.6	U	82.6	170	ug/Kg
87-68-3	Hexachlorobutadiene	83.3	U	83.3	170	ug/Kg
105-60-2	Caprolactam	86.8	U	86.8	330	ug/Kg

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Report of Analysis

Client:	Chemtech Consulting Group			Date Collected:	
Project:	NJ Soil PT			Date Received:	
Client Sample ID:	PB164401BL			SDG No.:	P4495
Lab Sample ID:	PB164401BL			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	100
Sample Wt/Vol:	30.01	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group1
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
BF140342.D	1	10/25/24 09:50	11/13/24 13:45	PB164401

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
59-50-7	4-Chloro-3-methylphenol	77.5	U	77.5	170	ug/Kg
91-57-6	2-Methylnaphthalene	82.5	U	82.5	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	160	U	160	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	71.4	U	71.4	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	74.0	U	74.0	170	ug/Kg
92-52-4	1,1-Biphenyl	87.4	U	87.4	170	ug/Kg
91-58-7	2-Chloronaphthalene	83.3	U	83.3	170	ug/Kg
88-74-4	2-Nitroaniline	95.0	U	95.0	170	ug/Kg
131-11-3	Dimethylphthalate	81.7	U	81.7	170	ug/Kg
208-96-8	Acenaphthylene	86.5	U	86.5	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	83.2	U	83.2	170	ug/Kg
99-09-2	3-Nitroaniline	89.2	U	89.2	170	ug/Kg
83-32-9	Acenaphthene	81.1	U	81.1	170	ug/Kg
51-28-5	2,4-Dinitrophenol	240	U	240	330	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	330	ug/Kg
132-64-9	Dibenzofuran	84.4	U	84.4	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	86.2	U	86.2	170	ug/Kg
84-66-2	Diethylphthalate	80.1	U	80.1	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	85.6	U	85.6	170	ug/Kg
86-73-7	Fluorene	85.5	U	85.5	170	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	81.6	U	81.6	170	ug/Kg
103-33-3	Azobenzene	79.6	U	79.6	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	78.9	U	78.9	170	ug/Kg
118-74-1	Hexachlorobenzene	85.0	U	85.0	170	ug/Kg
1912-24-9	Atrazine	91.4	U	91.4	170	ug/Kg
87-86-5	Pentachlorophenol	77.3	U	77.3	330	ug/Kg
85-01-8	Phenanthrene	84.0	U	84.0	170	ug/Kg
120-12-7	Anthracene	84.4	U	84.4	170	ug/Kg
86-74-8	Carbazole	80.3	U	80.3	170	ug/Kg

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Report of Analysis

Client:	Chemtech Consulting Group			Date Collected:	
Project:	NJ Soil PT			Date Received:	
Client Sample ID:	PB164401BL			SDG No.:	P4495
Lab Sample ID:	PB164401BL			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	100
Sample Wt/Vol:	30.01	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group1
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
BF140342.D	1	10/25/24 09:50	11/13/24 13:45	PB164401

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
84-74-2	Di-n-butylphthalate	84.3	U	84.3	170	ug/Kg
206-44-0	Fluoranthene	81.7	U	81.7	170	ug/Kg
92-87-5	Benzidine	160	U	160	330	ug/Kg
129-00-0	Pyrene	83.0	U	83.0	170	ug/Kg
85-68-7	Butylbenzylphthalate	96.8	U	96.8	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	98.6	U	98.6	330	ug/Kg
56-55-3	Benzo(a)anthracene	80.7	U	80.7	170	ug/Kg
218-01-9	Chrysene	79.5	U	79.5	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	91.0	U	91.0	170	ug/Kg
117-84-0	Di-n-octyl phthalate	110	U	110	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	81.1	U	81.1	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	82.6	U	82.6	170	ug/Kg
50-32-8	Benzo(a)pyrene	93.0	U	93.0	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	78.1	U	78.1	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	81.2	U	81.2	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	80.1	U	80.1	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	86.8	U	86.8	170	ug/Kg
123-91-1	1,4-Dioxane	110	U	110	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	74.7	U	74.7	170	ug/Kg
90-12-0	1-Methylnaphthalene	83.2	U	83.2	170	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	129		18 - 112	86%	SPK: 150
13127-88-3	Phenol-d6	126		15 - 107	84%	SPK: 150
4165-60-0	Nitrobenzene-d5	87.1		18 - 107	87%	SPK: 100
321-60-8	2-Fluorobiphenyl	85.2		20 - 109	85%	SPK: 100
118-79-6	2,4,6-Tribromophenol	121		10 - 116	80%	SPK: 150
1718-51-0	Terphenyl-d14	82.5		10 - 105	82%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	155000	6.875			
1146-65-2	Naphthalene-d8	608000	8.157			

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Report of Analysis

Client:	Chemtech Consulting Group			Date Collected:	
Project:	NJ Soil PT			Date Received:	
Client Sample ID:	PB164401BL			SDG No.:	P4495
Lab Sample ID:	PB164401BL			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	100
Sample Wt/Vol:	30.01	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group1
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
BF140342.D	1	10/25/24 09:50	11/13/24 13:45	PB164401

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
15067-26-2	Acenaphthene-d10	344000	9.91			
1517-22-2	Phenanthrene-d10	680000	11.398			
1719-03-5	Chrysene-d12	466000	14.057			
1520-96-3	Perylene-d12	362000	15.574			

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:	Chemtech Consulting Group	Date Collected:	
Project:	NJ Soil PT	Date Received:	
Client Sample ID:	PB164401BS	SDG No.:	P4495
Lab Sample ID:	PB164401BS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
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
BF140052.D	1	10/25/24 09:50	10/26/24 11:34	PB164401

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
62-75-9	n-Nitrosodimethylamine	1300		86.7	330	ug/Kg
110-86-1	Pyridine	1300		79.8	170	ug/Kg
100-52-7	Benzaldehyde	450		180	330	ug/Kg
62-53-3	Aniline	1200		96.8	170	ug/Kg
108-95-2	Phenol	1400		82.8	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1400		83.6	170	ug/Kg
95-57-8	2-Chlorophenol	1500		83.4	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	1500		84.5	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	1400		85.9	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	1400		86.4	170	ug/Kg
100-51-6	Benzyl Alcohol	1500		82.9	330	ug/Kg
95-48-7	2-Methylphenol	1400		80.5	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1400		90.8	170	ug/Kg
98-86-2	Acetophenone	1400		86.8	170	ug/Kg
65794-96-9	3+4-Methylphenols	1400		79.7	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1400		40.3	79.9	ug/Kg
67-72-1	Hexachloroethane	1400		82.9	170	ug/Kg
98-95-3	Nitrobenzene	1400		90.7	170	ug/Kg
78-59-1	Isophorone	1400		84.5	170	ug/Kg
88-75-5	2-Nitrophenol	1700		94.4	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1600		93.1	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1400		85.7	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1400		75.4	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1400		85.3	170	ug/Kg
65-85-0	Benzoic acid	1300		240	330	ug/Kg
91-20-3	Naphthalene	1400		82.5	170	ug/Kg
106-47-8	4-Chloroaniline	580		82.5	170	ug/Kg
87-68-3	Hexachlorobutadiene	1400		83.2	170	ug/Kg
105-60-2	Caprolactam	1500		86.7	330	ug/Kg

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Report of Analysis

Client:	Chemtech Consulting Group			Date Collected:	
Project:	NJ Soil PT			Date Received:	
Client Sample ID:	PB164401BS			SDG No.:	P4495
Lab Sample ID:	PB164401BS			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	100
Sample Wt/Vol:	30.03	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group1
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
BF140052.D	1	10/25/24 09:50	10/26/24 11:34	PB164401

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
59-50-7	4-Chloro-3-methylphenol	1400		77.4	170	ug/Kg
91-57-6	2-Methylnaphthalene	1400		82.4	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	5400	E	160	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1500		71.3	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1500		73.9	170	ug/Kg
92-52-4	1,1-Biphenyl	1400		87.3	170	ug/Kg
91-58-7	2-Chloronaphthalene	1400		83.2	170	ug/Kg
88-74-4	2-Nitroaniline	1600		94.9	170	ug/Kg
131-11-3	Dimethylphthalate	1400		81.6	170	ug/Kg
208-96-8	Acenaphthylene	1500		86.4	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1500		83.1	170	ug/Kg
99-09-2	3-Nitroaniline	1000		89.1	170	ug/Kg
83-32-9	Acenaphthene	1600		81.0	170	ug/Kg
51-28-5	2,4-Dinitrophenol	3600	E	240	330	ug/Kg
100-02-7	4-Nitrophenol	3200	E	120	330	ug/Kg
132-64-9	Dibenzofuran	1400		84.3	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	1700		86.1	170	ug/Kg
84-66-2	Diethylphthalate	1400		80.0	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1400		85.5	170	ug/Kg
86-73-7	Fluorene	1400		85.4	170	ug/Kg
100-01-6	4-Nitroaniline	1600		110	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	2000		120	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1400		81.5	170	ug/Kg
103-33-3	Azobenzene	1400		79.5	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1400		78.8	170	ug/Kg
118-74-1	Hexachlorobenzene	1400		84.9	170	ug/Kg
1912-24-9	Atrazine	1700		91.3	170	ug/Kg
87-86-5	Pentachlorophenol	2900	E	77.2	330	ug/Kg
85-01-8	Phenanthrene	1500		83.9	170	ug/Kg
120-12-7	Anthracene	1500		84.3	170	ug/Kg
86-74-8	Carbazole	1500		80.2	170	ug/Kg

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Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	
Project:	NJ Soil PT	Date Received:	
Client Sample ID:	PB164401BS	SDG No.:	P4495
Lab Sample ID:	PB164401BS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
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
BF140052.D	1	10/25/24 09:50	10/26/24 11:34	PB164401

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
84-74-2	Di-n-butylphthalate	1400		84.2	170	ug/Kg
206-44-0	Fluoranthene	1500		81.6	170	ug/Kg
92-87-5	Benzidine	1600		160	330	ug/Kg
129-00-0	Pyrene	1500		82.9	170	ug/Kg
85-68-7	Butylbenzylphthalate	1700		96.7	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1000		98.5	330	ug/Kg
56-55-3	Benzo(a)anthracene	1500		80.6	170	ug/Kg
218-01-9	Chrysene	1500		79.4	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1600		90.9	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1300		110	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1400		81.0	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	1600		82.5	170	ug/Kg
50-32-8	Benzo(a)pyrene	1600		92.9	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1500		78.0	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1500		81.1	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1400		80.0	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1400		86.7	170	ug/Kg
123-91-1	1,4-Dioxane	1200		110	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1600		74.6	170	ug/Kg
90-12-0	1-Methylnaphthalene	1400		83.1	170	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	115		18 - 112	77%	SPK: 150
13127-88-3	Phenol-d6	112		15 - 107	75%	SPK: 150
4165-60-0	Nitrobenzene-d5	85.7		18 - 107	86%	SPK: 100
321-60-8	2-Fluorobiphenyl	83.9		20 - 109	84%	SPK: 100
118-79-6	2,4,6-Tribromophenol	135		10 - 116	90%	SPK: 150
1718-51-0	Terphenyl-d14	87.9		10 - 105	88%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	134000	6.887			
1146-65-2	Naphthalene-d8	523000	8.169			

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Report of Analysis

Client:	Chemtech Consulting Group			Date Collected:	
Project:	NJ Soil PT			Date Received:	
Client Sample ID:	PB164401BS			SDG No.:	P4495
Lab Sample ID:	PB164401BS			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	100
Sample Wt/Vol:	30.03	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group1
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
BF140052.D	1	10/25/24 09:50	10/26/24 11:34	PB164401

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
15067-26-2	Acenaphthene-d10	287000	9.928			
1517-22-2	Phenanthrene-d10	515000	11.416			
1719-03-5	Chrysene-d12	290000	14.057			
1520-96-3	Perylene-d12	271000	15.527			

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:	Chemtech Consulting Group	Date Collected:	10/24/24
Project:	NJ Soil PT	Date Received:	10/24/24
Client Sample ID:	BP-F-20MS	SDG No.:	P4495
Lab Sample ID:	P4547-05MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	86.6
Sample Wt/Vol:	50.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
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
BF140057.D	1	10/25/24 09:50	10/26/24 13:58	PB164401

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
62-75-9	n-Nitrosodimethylamine	940		60.1	230	ug/Kg
110-86-1	Pyridine	930		55.3	120	ug/Kg
100-52-7	Benzaldehyde	280		130	230	ug/Kg
62-53-3	Aniline	570		67.0	120	ug/Kg
108-95-2	Phenol	970		57.4	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	940		57.9	120	ug/Kg
95-57-8	2-Chlorophenol	1000		57.8	120	ug/Kg
95-50-1	1,2-Dichlorobenzene	980		58.5	120	ug/Kg
541-73-1	1,3-Dichlorobenzene	930		59.5	120	ug/Kg
106-46-7	1,4-Dichlorobenzene	940		59.8	120	ug/Kg
100-51-6	Benzyl Alcohol	1000		57.4	230	ug/Kg
95-48-7	2-Methylphenol	970		55.8	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	910		62.9	120	ug/Kg
98-86-2	Acetophenone	920		60.1	120	ug/Kg
65794-96-9	3+4-Methylphenols	940		55.2	230	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	950		27.9	55.3	ug/Kg
67-72-1	Hexachloroethane	960		57.4	120	ug/Kg
98-95-3	Nitrobenzene	930		62.8	120	ug/Kg
78-59-1	Isophorone	980		58.5	120	ug/Kg
88-75-5	2-Nitrophenol	1200		65.4	120	ug/Kg
105-67-9	2,4-Dimethylphenol	1100		64.5	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	950		59.4	120	ug/Kg
120-83-2	2,4-Dichlorophenol	990		52.2	120	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	930		59.1	120	ug/Kg
65-85-0	Benzoic acid	890		160	230	ug/Kg
91-20-3	Naphthalene	940		57.1	120	ug/Kg
106-47-8	4-Chloroaniline	170		57.1	120	ug/Kg
87-68-3	Hexachlorobutadiene	960		57.6	120	ug/Kg
105-60-2	Caprolactam	990		60.1	230	ug/Kg

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Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	10/24/24
Project:	NJ Soil PT	Date Received:	10/24/24
Client Sample ID:	BP-F-20MS	SDG No.:	P4495
Lab Sample ID:	P4547-05MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	86.6
Sample Wt/Vol:	50.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
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
BF140057.D	1	10/25/24 09:50	10/26/24 13:58	PB164401

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
59-50-7	4-Chloro-3-methylphenol	990		53.6	120	ug/Kg
91-57-6	2-Methylnaphthalene	980		57.1	120	ug/Kg
77-47-4	Hexachlorocyclopentadiene	3100	E	110	230	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1000		49.4	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	970		51.2	120	ug/Kg
92-52-4	1,1-Biphenyl	940		60.5	120	ug/Kg
91-58-7	2-Chloronaphthalene	940		57.6	120	ug/Kg
88-74-4	2-Nitroaniline	1100		65.7	120	ug/Kg
131-11-3	Dimethylphthalate	990		56.5	120	ug/Kg
208-96-8	Acenaphthylene	1000		59.8	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	1000		57.6	120	ug/Kg
99-09-2	3-Nitroaniline	440		61.7	120	ug/Kg
83-32-9	Acenaphthene	1100		56.1	120	ug/Kg
51-28-5	2,4-Dinitrophenol	2300	E	170	230	ug/Kg
100-02-7	4-Nitrophenol	1900	E	80.3	230	ug/Kg
132-64-9	Dibenzofuran	950		58.4	120	ug/Kg
121-14-2	2,4-Dinitrotoluene	1100		59.6	120	ug/Kg
84-66-2	Diethylphthalate	980		55.4	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	970		59.2	120	ug/Kg
86-73-7	Fluorene	940		59.2	120	ug/Kg
100-01-6	4-Nitroaniline	970		74.0	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1400		80.9	230	ug/Kg
86-30-6	n-Nitrosodiphenylamine	980		56.5	120	ug/Kg
103-33-3	Azobenzene	1000		55.1	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1000		54.6	120	ug/Kg
118-74-1	Hexachlorobenzene	980		58.8	120	ug/Kg
1912-24-9	Atrazine	1200		63.2	120	ug/Kg
87-86-5	Pentachlorophenol	1900	E	53.5	230	ug/Kg
85-01-8	Phenanthrene	960		58.1	120	ug/Kg
120-12-7	Anthracene	1000		58.4	120	ug/Kg
86-74-8	Carbazole	910		55.6	120	ug/Kg

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Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	10/24/24
Project:	NJ Soil PT	Date Received:	10/24/24
Client Sample ID:	BP-F-20MS	SDG No.:	P4495
Lab Sample ID:	P4547-05MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	86.6
Sample Wt/Vol:	50.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
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
BF140057.D	1	10/25/24 09:50	10/26/24 13:58	PB164401

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
84-74-2	Di-n-butylphthalate	1000		58.3	120	ug/Kg
206-44-0	Fluoranthene	870		56.5	120	ug/Kg
92-87-5	Benzidine	1200		110	230	ug/Kg
129-00-0	Pyrene	970		57.4	120	ug/Kg
85-68-7	Butylbenzylphthalate	1300		67.0	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	520		68.2	230	ug/Kg
56-55-3	Benzo(a)anthracene	990		55.8	120	ug/Kg
218-01-9	Chrysene	950		55.0	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1400		63.0	120	ug/Kg
117-84-0	Di-n-octyl phthalate	1200		76.1	230	ug/Kg
205-99-2	Benzo(b)fluoranthene	920		56.1	120	ug/Kg
207-08-9	Benzo(k)fluoranthene	1000		57.1	120	ug/Kg
50-32-8	Benzo(a)pyrene	1100		64.3	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	880		54.0	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	890		56.2	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	740		55.4	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	960		60.1	120	ug/Kg
123-91-1	1,4-Dioxane	890		76.1	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1000		51.7	120	ug/Kg
90-12-0	1-Methylnaphthalene	930		57.6	120	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	90.8		18 - 112	61%	SPK: 150
13127-88-3	Phenol-d6	91.2		15 - 107	61%	SPK: 150
4165-60-0	Nitrobenzene-d5	66.4		18 - 107	66%	SPK: 100
321-60-8	2-Fluorobiphenyl	61.5		20 - 109	61%	SPK: 100
118-79-6	2,4,6-Tribromophenol	106		10 - 116	71%	SPK: 150
1718-51-0	Terphenyl-d14	68.7		10 - 105	69%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	142000	6.887			
1146-65-2	Naphthalene-d8	557000	8.169			

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Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	10/24/24
Project:	NJ Soil PT	Date Received:	10/24/24
Client Sample ID:	BP-F-20MS	SDG No.:	P4495
Lab Sample ID:	P4547-05MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	86.6
Sample Wt/Vol:	50.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
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
BF140057.D	1	10/25/24 09:50	10/26/24 13:58	PB164401

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
15067-26-2	Acenaphthene-d10	317000	9.928			
1517-22-2	Phenanthrene-d10	543000	11.416			
1719-03-5	Chrysene-d12	261000	14.051			
1520-96-3	Perylene-d12	285000	15.527			

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:	Chemtech Consulting Group	Date Collected:	10/24/24
Project:	NJ Soil PT	Date Received:	10/24/24
Client Sample ID:	BP-F-20MSD	SDG No.:	P4495
Lab Sample ID:	P4547-05MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	86.6
Sample Wt/Vol:	50.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
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
BF140058.D	1	10/25/24 09:50	10/26/24 14:27	PB164401

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
62-75-9	n-Nitrosodimethylamine	900		60.1	230	ug/Kg
110-86-1	Pyridine	880		55.3	120	ug/Kg
100-52-7	Benzaldehyde	280		130	230	ug/Kg
62-53-3	Aniline	580		67.1	120	ug/Kg
108-95-2	Phenol	990		57.4	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	970		58.0	120	ug/Kg
95-57-8	2-Chlorophenol	1000		57.8	120	ug/Kg
95-50-1	1,2-Dichlorobenzene	980		58.6	120	ug/Kg
541-73-1	1,3-Dichlorobenzene	950		59.5	120	ug/Kg
106-46-7	1,4-Dichlorobenzene	970		59.9	120	ug/Kg
100-51-6	Benzyl Alcohol	1000		57.5	230	ug/Kg
95-48-7	2-Methylphenol	990		55.8	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	920		62.9	120	ug/Kg
98-86-2	Acetophenone	930		60.2	120	ug/Kg
65794-96-9	3+4-Methylphenols	960		55.3	230	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	960		27.9	55.4	ug/Kg
67-72-1	Hexachloroethane	970		57.5	120	ug/Kg
98-95-3	Nitrobenzene	940		62.9	120	ug/Kg
78-59-1	Isophorone	990		58.6	120	ug/Kg
88-75-5	2-Nitrophenol	1200		65.4	120	ug/Kg
105-67-9	2,4-Dimethylphenol	1100		64.5	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	970		59.4	120	ug/Kg
120-83-2	2,4-Dichlorophenol	990		52.3	120	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	930		59.1	120	ug/Kg
65-85-0	Benzoic acid	900		160	230	ug/Kg
91-20-3	Naphthalene	950		57.2	120	ug/Kg
106-47-8	4-Chloroaniline	170		57.2	120	ug/Kg
87-68-3	Hexachlorobutadiene	990		57.7	120	ug/Kg
105-60-2	Caprolactam	1000		60.1	230	ug/Kg

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Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	10/24/24
Project:	NJ Soil PT	Date Received:	10/24/24
Client Sample ID:	BP-F-20MSD	SDG No.:	P4495
Lab Sample ID:	P4547-05MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	86.6
Sample Wt/Vol:	50.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
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
BF140058.D	1	10/25/24 09:50	10/26/24 14:27	PB164401

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
59-50-7	4-Chloro-3-methylphenol	1000		53.7	120	ug/Kg
91-57-6	2-Methylnaphthalene	980		57.1	120	ug/Kg
77-47-4	Hexachlorocyclopentadiene	3100	E	110	230	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1000		49.4	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	990		51.2	120	ug/Kg
92-52-4	1,1-Biphenyl	950		60.5	120	ug/Kg
91-58-7	2-Chloronaphthalene	940		57.7	120	ug/Kg
88-74-4	2-Nitroaniline	1100		65.8	120	ug/Kg
131-11-3	Dimethylphthalate	1000		56.6	120	ug/Kg
208-96-8	Acenaphthylene	1000		59.9	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	1000		57.6	120	ug/Kg
99-09-2	3-Nitroaniline	450		61.8	120	ug/Kg
83-32-9	Acenaphthene	1100		56.2	120	ug/Kg
51-28-5	2,4-Dinitrophenol	2400	E	170	230	ug/Kg
100-02-7	4-Nitrophenol	2000	E	80.3	230	ug/Kg
132-64-9	Dibenzofuran	980		58.4	120	ug/Kg
121-14-2	2,4-Dinitrotoluene	1100		59.7	120	ug/Kg
84-66-2	Diethylphthalate	990		55.5	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	980		59.3	120	ug/Kg
86-73-7	Fluorene	950		59.2	120	ug/Kg
100-01-6	4-Nitroaniline	1000		74.1	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1400		81.0	230	ug/Kg
86-30-6	n-Nitrosodiphenylamine	990		56.5	120	ug/Kg
103-33-3	Azobenzene	1000		55.1	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1000		54.6	120	ug/Kg
118-74-1	Hexachlorobenzene	990		58.9	120	ug/Kg
1912-24-9	Atrazine	1200		63.3	120	ug/Kg
87-86-5	Pentachlorophenol	1900	E	53.5	230	ug/Kg
85-01-8	Phenanthrene	970		58.2	120	ug/Kg
120-12-7	Anthracene	1000		58.4	120	ug/Kg
86-74-8	Carbazole	910		55.6	120	ug/Kg

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Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	10/24/24
Project:	NJ Soil PT	Date Received:	10/24/24
Client Sample ID:	BP-F-20MSD	SDG No.:	P4495
Lab Sample ID:	P4547-05MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	86.6
Sample Wt/Vol:	50.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
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
BF140058.D	1	10/25/24 09:50	10/26/24 14:27	PB164401

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
84-74-2	Di-n-butylphthalate	1000		58.4	120	ug/Kg
206-44-0	Fluoranthene	890		56.6	120	ug/Kg
92-87-5	Benzidine	1300		110	230	ug/Kg
129-00-0	Pyrene	980		57.5	120	ug/Kg
85-68-7	Butylbenzylphthalate	1300		67.0	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	530		68.3	230	ug/Kg
56-55-3	Benzo(a)anthracene	1000		55.9	120	ug/Kg
218-01-9	Chrysene	970		55.0	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1500		63.0	120	ug/Kg
117-84-0	Di-n-octyl phthalate	1300		76.2	230	ug/Kg
205-99-2	Benzo(b)fluoranthene	920		56.2	120	ug/Kg
207-08-9	Benzo(k)fluoranthene	1000		57.2	120	ug/Kg
50-32-8	Benzo(a)pyrene	1100		64.4	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	890		54.1	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	890		56.2	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	740		55.5	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	960		60.1	120	ug/Kg
123-91-1	1,4-Dioxane	860		76.2	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1000		51.7	120	ug/Kg
90-12-0	1-Methylnaphthalene	940		57.6	120	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	90.8		18 - 112	61%	SPK: 150
13127-88-3	Phenol-d6	91.9		15 - 107	61%	SPK: 150
4165-60-0	Nitrobenzene-d5	66.5		18 - 107	66%	SPK: 100
321-60-8	2-Fluorobiphenyl	61.6		20 - 109	62%	SPK: 100
118-79-6	2,4,6-Tribromophenol	109		10 - 116	73%	SPK: 150
1718-51-0	Terphenyl-d14	70.4		10 - 105	70%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	142000	6.887			
1146-65-2	Naphthalene-d8	562000	8.169			

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Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	10/24/24
Project:	NJ Soil PT	Date Received:	10/24/24
Client Sample ID:	BP-F-20MSD	SDG No.:	P4495
Lab Sample ID:	P4547-05MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	86.6
Sample Wt/Vol:	50.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
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
BF140058.D	1	10/25/24 09:50	10/26/24 14:27	PB164401

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
15067-26-2	Acenaphthene-d10	322000	9.928			
1517-22-2	Phenanthrene-d10	560000	11.416			
1719-03-5	Chrysene-d12	269000	14.051			
1520-96-3	Perylene-d12	302000	15.527			

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

Alliance TECHNICAL GROUP
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6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: CHEM02

Lab Code: CHEM Case No.: P4495 SAS No.: P4495 SDG No.: P4495

Instrument ID: BNA_F Calibration Date(s): 10/18/2024 10/18/2024

Calibration Time(s): 10:27 13:46

LAB FILE ID: RRF2.5 = BF139844.D RRF005 = BF139845.D RRF010 = BF139846.D
RRF020 = BF139847.D RRF040 = BF139848.D RRF050 = BF139849.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
n-Nitrosodimethylamine		0.815	0.800	0.799	0.806	0.782	0.793	2.4
Pyridine		1.622	1.570	1.522	1.504	1.386	1.476	7.3
2-Fluorophenol		1.465	1.398	1.331	1.278	1.179	1.278	10.1
Benzaldehyde			1.137	1.042	0.940	0.873	0.931	15.2
Aniline		1.673	1.649	1.618	1.582	1.471	1.542	8.1
Phenol-d6		1.900	1.818	1.709	1.647	1.538	1.655	10.1
Phenol		1.952	1.832	1.760	1.712	1.583	1.706	9.2
bis(2-Chloroethyl)ether		1.470	1.423	1.359	1.294	1.251	1.319	7.8
2-Chlorophenol		1.503	1.422	1.358	1.310	1.212	1.306	10.2
1,2-Dichlorobenzene		1.660	1.579	1.478	1.379	1.273	1.398	13.2
1,3-Dichlorobenzene		1.718	1.656	1.544	1.499	1.392	1.499	10.2
1,4-Dichlorobenzene		1.723	1.641	1.558	1.487	1.392	1.498	10.2
Benzyl Alcohol		1.355	1.299	1.257	1.213	1.154	1.214	8.1
2-Methylphenol		1.264	1.164	1.134	1.114	1.053	1.114	7.7
2,2-oxybis(1-Chloropropane)		2.524	2.409	2.353	2.255	2.117	2.248	8.7
Acetophenone		0.578	0.533	0.516	0.481	0.452	0.490	11.4
3+4-Methylphenols		1.678	1.573	1.520	1.418	1.309	1.424	12.4
n-Nitroso-di-n-propylamine	1.105	1.141	1.066	1.025	0.974	0.921	1.004	9.6
Nitrobenzene-d5		0.365	0.365	0.372	0.371	0.354	0.361	2.9
Hexachloroethane		0.583	0.571	0.549	0.541	0.507	0.534	7.1
Nitrobenzene		0.417	0.402	0.408	0.403	0.383	0.396	4.1
Isophorone		0.755	0.709	0.702	0.679	0.652	0.685	5.9
2-Nitrophenol		0.124	0.137	0.150	0.157	0.158	0.149	9.2
2,4-Dimethylphenol		0.285	0.259	0.256	0.248	0.237	0.249	8.1
bis(2-Chloroethoxy)methane		0.468	0.440	0.432	0.412	0.394	0.415	8.2
2,4-Dichlorophenol		0.308	0.297	0.293	0.283	0.272	0.283	6.2
1,2,4-Trichlorobenzene		0.351	0.331	0.325	0.315	0.298	0.314	7.7
Benzoic acid			0.175	0.207	0.220	0.231	0.217	10.7
Naphthalene		1.209	1.121	1.091	1.023	0.958	1.031	11.2
4-Chloroaniline		0.397	0.382	0.368	0.351	0.332	0.352	9.3
Hexachlorobutadiene		0.224	0.206	0.203	0.197	0.185	0.197	8.0
Caprolactam		0.092	0.092	0.092	0.092	0.088	0.090	2.9
4-Chloro-3-methylphenol		0.341	0.328	0.324	0.315	0.299	0.314	6.0
2-Methylnaphthalene		0.740	0.689	0.666	0.621	0.587	0.632	11.1

All other compounds must meet a minimum RRF of 0.010.

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SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: CHEM02

Lab Code: CHEM Case No.: P4495 SAS No.: P4495 SDG No.: P4495

Instrument ID: BNA_F Calibration Date(s): 10/18/2024 10/18/2024

Calibration Time(s): 10:27 13:46

LAB FILE ID: RRF2.5 = BF139844.D RRF005 = BF139845.D RRF010 = BF139846.D
RRF020 = BF139847.D RRF040 = BF139848.D RRF050 = BF139849.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Hexachlorocyclopentadiene		0.185	0.193	0.198	0.198	0.186	0.188	5.3
2,4,6-Trichlorophenol		0.405	0.382	0.400	0.387	0.363	0.382	4.8
2-Fluorobiphenyl		1.512	1.396	1.280	1.162	1.088	1.210	16.0
2,4,5-Trichlorophenol		0.426	0.425	0.398	0.401	0.381	0.394	6.6
1,1-Biphenyl		1.640	1.536	1.483	1.379	1.285	1.392	12.2
2-Chloronaphthalene		1.288	1.225	1.164	1.111	1.048	1.121	10.0
2-Nitroaniline		0.299	0.318	0.353	0.365	0.354	0.343	7.2
Dimethylphthalate		1.410	1.344	1.283	1.237	1.172	1.246	8.6
Acenaphthylene		1.854	1.756	1.717	1.615	1.507	1.621	10.1
2,6-Dinitrotoluene		0.256	0.266	0.278	0.280	0.273	0.270	3.4
3-Nitroaniline		0.270	0.275	0.296	0.292	0.276	0.278	4.8
Acenaphthene		1.200	1.136	1.089	1.044	0.977	1.049	9.5
2,4-Dinitrophenol			0.056	0.077	0.101	0.101	0.093	23.9
4-Nitrophenol		0.187	0.207	0.225	0.232	0.219	0.214	6.8
Dibenzofuran		1.767	1.659	1.579	1.486	1.389	1.505	11.5
2,4-Dinitrotoluene		0.280	0.314	0.337	0.356	0.344	0.332	7.9
Diethylphthalate		1.366	1.308	1.267	1.214	1.165	1.223	8.0
4-Chlorophenyl-phenylether		0.698	0.638	0.617	0.569	0.526	0.579	13.1
Fluorene		1.409	1.309	1.201	1.110	1.029	1.146	14.7
4-Nitroaniline		0.249	0.259	0.270	0.275	0.263	0.263	3.6
4,6-Dinitro-2-methylphenol			0.055	0.072	0.087	0.090	0.082	18.6
n-Nitrosodiphenylamine		0.672	0.641	0.621	0.595	0.568	0.599	8.1
Azobenzene		1.459	1.385	1.355	1.306	1.216	1.297	8.6
2,4,6-Tribromophenol		0.201	0.196	0.193	0.188	0.179	0.187	5.5
4-Bromophenyl-phenylether		0.230	0.217	0.211	0.202	0.197	0.206	7.0
Hexachlorobenzene		0.258	0.245	0.237	0.231	0.217	0.232	7.2
Atrazine		0.189	0.175	0.156	0.175	0.135	0.162	11.4
Pentachlorophenol		0.118	0.137	0.148	0.152	0.145	0.141	8.0
Phenanthrene		1.121	1.035	0.994	0.933	0.863	0.945	11.8
Anthracene		1.082	1.014	0.972	0.913	0.851	0.922	11.5
Carbazole		1.002	0.964	0.923	0.846	0.776	0.857	12.6
Di-n-butylphthalate		1.104	1.071	1.062	1.014	0.923	0.990	9.8
Fluoranthene		1.149	1.108	1.036	0.943	0.842	0.955	15.3
Benzidine		0.457	0.461	0.293	0.366	0.276	0.329	30.9
Pyrene		1.892	1.828	1.900	1.805	1.685	1.751	8.4

All other compounds must meet a minimum RRF of 0.010.

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SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: CHEM02

Lab Code: CHEM Case No.: P4495 SAS No.: P4495 SDG No.: P4495

Instrument ID: BNA_F Calibration Date(s): 10/18/2024 10/18/2024

Calibration Time(s): 10:27 13:46

LAB FILE ID: RRF2.5 = BF139844.D RRF005 = BF139845.D RRF010 = BF139846.D
RRF020 = BF139847.D RRF040 = BF139848.D RRF050 = BF139849.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Terphenyl-d14		1.381	1.335	1.340	1.244	1.154	1.227	11.0
Butylbenzylphthalate		0.490	0.513	0.536	0.555	0.535	0.525	4.0
3,3-Dichlorobenzidine		0.368	0.372	0.390	0.387	0.374	0.380	2.2
Benzo(a)anthracene		1.425	1.355	1.329	1.331	1.267	1.302	6.5
Chrysene		1.325	1.244	1.234	1.167	1.134	1.194	6.5
Bis(2-ethylhexyl)phthalate		0.520	0.539	0.577	0.626	0.620	0.589	7.5
Di-n-octyl phthalate			0.786	0.930	1.135	1.182	1.071	16.1
Benzo(b)fluoranthene		1.317	1.240	1.319	1.196	1.105	1.218	7.1
Benzo(k)fluoranthene		1.213	1.177	0.992	1.066	1.030	1.051	10.4
Benzo(a)pyrene		1.030	1.024	1.018	1.025	0.974	1.002	3.1
Indeno(1,2,3-cd)pyrene		1.209	1.261	1.307	1.352	1.299	1.287	3.8
Dibenzo(a,h)anthracene		1.021	1.064	1.103	1.120	1.083	1.073	3.3
Benzo(g,h,i)perylene		1.030	1.046	1.090	1.128	1.081	1.072	3.4
1,2,4,5-Tetrachlorobenzene		0.609	0.579	0.562	0.537	0.512	0.540	8.7
1,4-Dioxane		0.651	0.625	0.603	0.591	0.571	0.596	5.7
2,3,4,6-Tetrachlorophenol		0.334	0.322	0.326	0.310	0.296	0.309	6.3
1-Methylnaphthalene		0.726	0.683	0.655	0.612	0.569	0.620	11.5

All other compounds must meet a minimum RRF of 0.010.

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SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: CHEM02

Lab Code: CHEM Case No.: P4495 SAS No.: P4495 SDG No.: P4495

Instrument ID: BNA_F Calibration Date(s): 11/13/2024 11/13/2024

Calibration Time(s): 09:01 12:48

LAB FILE ID: RRF2.5 = BF140332.D RRF005 = BF140333.D RRF010 = BF140334.D
RRF020 = BF140335.D RRF050 = BF140337.D RRF060 = BF140338.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF050	RRF060	RRF	% RSD
n-Nitrosodimethylamine		0.658	0.632	0.651	0.644	0.671	0.649	2.4
Pyridine		1.430	1.343	1.323	1.189	1.237	1.283	7.6
2-Fluorophenol		1.329	1.257	1.223	1.090	1.118	1.171	8.8
Benzaldehyde		1.101	1.087	1.017	0.828	0.783	0.951	14.3
Aniline		1.587	1.527	1.495	1.267	1.270	1.381	13.4
Phenol-d6		1.773	1.691	1.643	1.483	1.507	1.587	8.1
Phenol		1.799	1.793	1.743	1.582	1.597	1.674	7.3
bis(2-Chloroethyl)ether		1.359	1.294	1.306	1.227	1.249	1.268	4.6
2-Chlorophenol		1.397	1.349	1.332	1.176	1.184	1.258	8.5
1,2-Dichlorobenzene		1.494	1.429	1.398	1.212	1.214	1.307	10.6
1,3-Dichlorobenzene		1.585	1.475	1.454	1.291	1.317	1.388	9.0
1,4-Dichlorobenzene		1.590	1.534	1.486	1.306	1.326	1.408	9.5
Benzyl Alcohol		1.172	1.193	1.199	1.100	1.108	1.143	6.1
2-Methylphenol		1.092	1.062	1.072	0.998	1.016	1.035	5.1
2,2-oxybis(1-Chloropropane)		1.906	1.826	1.815	1.666	1.684	1.752	7.0
Acetophenone		0.532	0.508	0.481	0.434	0.441	0.465	9.4
3+4-Methylphenols		1.436	1.427	1.359	1.200	1.198	1.295	10.2
n-Nitroso-di-n-propylamine	1.032	1.029	1.003	0.986	0.883	0.905	0.959	7.3
Nitrobenzene-d5		0.411	0.401	0.399	0.368	0.379	0.384	5.3
Hexachloroethane		0.562	0.543	0.550	0.500	0.506	0.520	6.3
Nitrobenzene		0.423	0.421	0.406	0.390	0.394	0.400	4.6
Isophorone		0.736	0.702	0.692	0.654	0.671	0.680	4.9
2-Nitrophenol		0.175	0.179	0.181	0.175	0.181	0.177	2.0
2,4-Dimethylphenol		0.238	0.236	0.232	0.221	0.227	0.227	3.9
bis(2-Chloroethoxy)methane		0.461	0.442	0.430	0.398	0.404	0.417	6.8
2,4-Dichlorophenol		0.307	0.296	0.287	0.272	0.272	0.281	6.2
1,2,4-Trichlorobenzene		0.346	0.331	0.325	0.298	0.301	0.312	7.1
Benzoic acid		0.162	0.178	0.180	0.215	0.226	0.200	13.0
Naphthalene		1.160	1.105	1.064	0.950	0.955	1.015	9.6
4-Chloroaniline		0.390	0.386	0.370	0.333	0.340	0.353	8.4
Hexachlorobutadiene		0.220	0.214	0.210	0.188	0.190	0.199	7.7
Caprolactam		0.098	0.093	0.094	0.091	0.095	0.093	3.3
4-Chloro-3-methylphenol		0.331	0.327	0.320	0.299	0.304	0.311	5.1
2-Methylnaphthalene		0.751	0.706	0.683	0.610	0.607	0.651	10.0

All other compounds must meet a minimum RRF of 0.010.

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6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: CHEM02

Lab Code: CHEM Case No.: P4495 SAS No.: P4495 SDG No.: P4495

Instrument ID: BNA_F Calibration Date(s): 11/13/2024 11/13/2024

Calibration Time(s): 09:01 12:48

LAB FILE ID: RRF2.5 = BF140332.D RRF005 = BF140333.D RRF010 = BF140334.D
RRF020 = BF140335.D RRF050 = BF140337.D RRF060 = BF140338.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF050	RRF060	RRF	% RSD
Hexachlorocyclopentadiene			0.111	0.143	0.156	0.159	0.142	12.0
2,4,6-Trichlorophenol		0.380	0.374	0.374	0.360	0.352	0.363	3.9
2-Fluorobiphenyl		1.524	1.396	1.351	1.125	1.110	1.244	14.5
2,4,5-Trichlorophenol		0.421	0.417	0.412	0.387	0.390	0.397	5.4
1,1-Biphenyl		1.690	1.571	1.565	1.368	1.343	1.455	10.8
2-Chloronaphthalene		1.279	1.182	1.149	1.064	1.049	1.108	9.2
2-Nitroaniline		0.378	0.365	0.384	0.365	0.366	0.368	2.9
Dimethylphthalate		1.464	1.358	1.371	1.246	1.244	1.304	7.5
Acenaphthylene		1.940	1.802	1.786	1.582	1.552	1.677	10.3
2,6-Dinitrotoluene		0.317	0.303	0.313	0.291	0.289	0.297	5.6
3-Nitroaniline		0.333	0.327	0.335	0.307	0.298	0.312	6.9
Acenaphthene		1.259	1.204	1.192	1.091	1.079	1.133	7.8
2,4-Dinitrophenol			0.109	0.148	0.178	0.170	0.153	16.3
4-Nitrophenol		0.199	0.217	0.239	0.240	0.237	0.228	6.7
Dibenzofuran		1.904	1.736	1.715	1.502	1.466	1.603	11.9
2,4-Dinitrotoluene		0.414	0.400	0.417	0.387	0.382	0.391	5.8
Diethylphthalate		1.525	1.417	1.398	1.272	1.246	1.333	8.8
4-Chlorophenyl-phenylether		0.739	0.688	0.669	0.583	0.567	0.625	12.0
Fluorene		1.525	1.403	1.365	1.168	1.137	1.267	13.1
4-Nitroaniline		0.335	0.325	0.328	0.316	0.313	0.319	3.9
4,6-Dinitro-2-methylphenol		0.080	0.098	0.113	0.117	0.120	0.108	13.0
n-Nitrosodiphenylamine		0.651	0.630	0.600	0.541	0.541	0.578	8.6
Azobenzene		1.498	1.391	1.380	1.251	1.244	1.317	8.6
2,4,6-Tribromophenol		0.220	0.211	0.207	0.191	0.189	0.199	6.9
4-Bromophenyl-phenylether		0.227	0.210	0.209	0.191	0.188	0.200	8.1
Hexachlorobenzene		0.251	0.242	0.232	0.209	0.215	0.225	7.5
Atrazine		0.191	0.183	0.135	0.155	0.205	0.175	17.0
Pentachlorophenol		0.097	0.108	0.124	0.131	0.130	0.121	10.9
Phenanthrene		1.096	1.053	0.986	0.868	0.851	0.940	11.3
Anthracene		1.071	1.018	0.966	0.860	0.839	0.921	10.8
Carbazole		1.053	1.009	0.963	0.846	0.834	0.909	11.0
Di-n-butylphthalate		1.214	1.177	1.150	1.036	1.023	1.091	8.4
Fluoranthene		1.256	1.201	1.141	0.962	0.933	1.054	13.9
Benzidine			0.634	0.684	0.742	0.953	0.768	18.6
Pyrene		1.748	1.706	1.643	1.728	1.800	1.711	3.1

All other compounds must meet a minimum RRF of 0.010.

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SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: CHEM02

Lab Code: CHEM Case No.: P4495 SAS No.: P4495 SDG No.: P4495

Instrument ID: BNA_F Calibration Date(s): 11/13/2024 11/13/2024

Calibration Time(s): 09:01 12:48

LAB FILE ID: RRF2.5 = BF140332.D RRF005 = BF140333.D RRF010 = BF140334.D
RRF020 = BF140335.D RRF050 = BF140337.D RRF060 = BF140338.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF050	RRF060	RRF	% RSD
Terphenyl-d14		1.226	1.185	1.108	1.139	1.190	1.152	4.3
Butylbenzylphthalate		0.640	0.638	0.654	0.670	0.681	0.657	3.6
3,3-Dichlorobenzidine		0.438	0.431	0.433	0.406	0.416	0.418	3.8
Benzo(a)anthracene		1.451	1.418	1.351	1.229	1.294	1.314	7.3
Chrysene		1.394	1.241	1.235	1.137	1.123	1.199	8.4
Bis(2-ethylhexyl)phthalate		0.886	0.890	0.897	0.858	0.869	0.877	4.1
Di-n-octyl phthalate		1.231	1.217	1.270	1.187	1.241	1.235	2.9
Benzo(b)fluoranthene		1.405	1.352	1.471	1.235	1.233	1.308	7.8
Benzo(k)fluoranthene		1.286	1.241	1.120	0.952	0.935	1.069	14.5
Benzo(a)pyrene		1.100	1.053	1.054	0.970	0.980	1.016	5.4
Indeno(1,2,3-cd)pyrene		1.116	1.150	1.138	1.316	1.354	1.235	8.0
Dibenzo(a,h)anthracene		0.941	0.952	0.944	1.074	1.121	1.021	7.3
Benzo(g,h,i)perylene		0.941	0.963	0.954	1.122	1.146	1.044	8.5
1,2,4,5-Tetrachlorobenzene		0.646	0.585	0.583	0.524	0.517	0.553	9.8
1,4-Dioxane		0.582	0.546	0.530	0.495	0.506	0.522	6.5
2,3,4,6-Tetrachlorophenol		0.322	0.328	0.326	0.308	0.302	0.313	4.6
1-Methylnaphthalene		0.734	0.696	0.673	0.589	0.592	0.637	10.4

All other compounds must meet a minimum RRF of 0.010.

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CHEM02

Lab Code: CHEM Case No.: P4495 SAS No.: P4495 SDG No.: P4495

Instrument ID: BNA_F Calibration Date/Time: 10/26/2024 10:38

Lab File ID: BF140050.D Init. Calib. Date(s): 10/18/2024 10/18/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:27 13:46

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
n-Nitrosodimethylamine	0.793	0.741		-6.6	
Pyridine	1.476	1.426		-3.4	
2-Fluorophenol	1.278	1.220		-4.5	
Benzaldehyde	0.931	0.910		-2.3	
Aniline	1.542	1.432		-7.1	
Phenol-d6	1.655	1.531		-7.5	
Phenol	1.706	1.580		-7.4	20.0
bis(2-Chloroethyl)ether	1.319	1.223		-7.3	
2-Chlorophenol	1.306	1.244		-4.7	
1,2-Dichlorobenzene	1.398	1.369		-2.1	
1,3-Dichlorobenzene	1.499	1.477		-1.5	
1,4-Dichlorobenzene	1.498	1.482		-1.1	20.0
Benzyl Alcohol	1.214	1.129		-7.0	
2-Methylphenol	1.114	1.029		-7.6	
2,2-oxybis(1-Chloropropane)	2.248	1.911		-15.0	
Acetophenone	0.490	0.475		-3.1	
3+4-Methylphenols	1.424	1.308		-8.1	
n-Nitroso-di-n-propylamine	1.004	0.873	0.050	-13.0	
Nitrobenzene-d5	0.361	0.380		5.3	
Hexachloroethane	0.534	0.520		-2.6	
Nitrobenzene	0.396	0.399		0.8	
Isophorone	0.685	0.645		-5.8	
2-Nitrophenol	0.149	0.164		10.1	20.0
2,4-Dimethylphenol	0.249	0.232		-6.8	
bis(2-Chloroethoxy)methane	0.415	0.393		-5.3	
2,4-Dichlorophenol	0.283	0.279		-1.4	20.0
1,2,4-Trichlorobenzene	0.314	0.319		1.6	
Benzoic acid	0.217	0.211		-2.8	
Naphthalene	1.031	1.028		-0.3	
4-Chloroaniline	0.352	0.343		-2.6	
Hexachlorobutadiene	0.197	0.204		3.6	20.0
Caprolactam	0.090	0.088		-2.2	
4-Chloro-3-methylphenol	0.314	0.307		-2.2	20.0
2-Methylnaphthalene	0.632	0.618		-2.2	
Hexachlorocyclopentadiene	0.188	0.191	0.050	1.6	
2,4,6-Trichlorophenol	0.382	0.374		-2.1	20.0
2-Fluorobiphenyl	1.210	1.211		0.1	
2,4,5-Trichlorophenol	0.394	0.414		5.1	
1,1-Biphenyl	1.392	1.391		-0.1	

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CHEM02

Lab Code: CHEM Case No.: P4495 SAS No.: P4495 SDG No.: P4495

Instrument ID: BNA_F Calibration Date/Time: 10/26/2024 10:38

Lab File ID: BF140050.D Init. Calib. Date(s): 10/18/2024 10/18/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:27 13:46

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Chloronaphthalene	1.121	1.129		0.7	
2-Nitroaniline	0.343	0.375		9.3	
Dimethylphthalate	1.246	1.229		-1.4	
Acenaphthylene	1.621	1.628		0.4	
2,6-Dinitrotoluene	0.270	0.290		7.4	
3-Nitroaniline	0.278	0.298		7.2	
Acenaphthene	1.049	1.058		0.9	20.0
2,4-Dinitrophenol	0.093	0.126	0.050	35.5	
4-Nitrophenol	0.214	0.229	0.050	7.0	
Dibenzofuran	1.505	1.491		-0.9	
2,4-Dinitrotoluene	0.332	0.383		15.4	
Diethylphthalate	1.223	1.181		-3.4	
4-Chlorophenyl-phenylether	0.579	0.581		0.3	
Fluorene	1.146	1.149		0.3	
4-Nitroaniline	0.263	0.289		9.9	
4,6-Dinitro-2-methylphenol	0.082	0.104		26.8	
n-Nitrosodiphenylamine	0.599	0.572		-4.5	20.0
Azobenzene	1.297	1.197		-7.7	
2,4,6-Tribromophenol	0.187	0.204		9.1	
4-Bromophenyl-phenylether	0.206	0.202		-1.9	
Hexachlorobenzene	0.232	0.233		0.4	
Atrazine	0.162	0.156		-3.7	
Pentachlorophenol	0.141	0.152		7.8	20.0
Phenanthrene	0.945	0.913		-3.4	
Anthracene	0.922	0.901		-2.3	
Carbazole	0.857	0.832		-2.9	
Di-n-butylphthalate	0.990	0.946		-4.4	
Fluoranthene	0.955	0.965		1.0	20.0
Benzidine	0.329	0.451		37.1	
Pyrene	1.751	1.811		3.4	
Terphenyl-d14	1.227	1.258		2.5	
Butylbenzylphthalate	0.525	0.551		5.0	
3,3-Dichlorobenzidine	0.380	0.409		7.6	
Benzo(a)anthracene	1.302	1.311		0.7	
Chrysene	1.194	1.157		-3.1	
Bis(2-ethylhexyl)phthalate	0.589	0.606		2.9	
Di-n-octyl phthalate	1.071	0.894		-16.5	20.0
Benzo(b)fluoranthene	1.218	1.154		-5.3	
Benzo(k)fluoranthene	1.051	1.063		1.1	

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CHEM02

Lab Code: CHEM Case No.: P4495 SAS No.: P4495 SDG No.: P4495

Instrument ID: BNA_F Calibration Date/Time: 10/26/2024 10:38

Lab File ID: BF140050.D Init. Calib. Date(s): 10/18/2024 10/18/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:27 13:46

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Benzo(a)pyrene	1.002	1.013		1.1	20.0
Indeno(1,2,3-cd)pyrene	1.287	1.303		1.2	
Dibenzo(a,h)anthracene	1.073	1.070		-0.3	
Benzo(g,h,i)perylene	1.072	1.111		3.6	
1,2,4,5-Tetrachlorobenzene	0.540	0.555		2.8	
1,4-Dioxane	0.596	0.584		-2.0	20.0
2,3,4,6-Tetrachlorophenol	0.309	0.315		1.9	
1-Methylnaphthalene	0.620	0.605		-2.4	

All other compounds must meet a minimum RRF of 0.010.

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LAB CHRONICLE

OrderID:	P4495	**OrderDate:**	10/23/2024 10:29:00 AM
Client:	Chemtech Consulting Group	**Project:**	NJ Soil PT
Contact:	QA Officer	**Location:**	QA Office,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4495-14	**PT-DIES-SOIL**	**SOIL**			**10/21/24**			**10/23/24**
			Diesel Range Organics	8015D		10/24/24	10/24/24	
			Diesel Range Organics	8015D		10/24/24	10/25/24	
P4495-15	**PT-GAS-SOIL**	**SOIL**			**10/21/24**			**10/23/24**
			Gasoline Range Organics	8015D			10/24/24	
			Gasoline Range Organics	8015D			10/30/24	
P4495-16	**PT-NJEPH-SOIL**	**Solid**			**10/21/24**			**10/23/24**
			EPH	NJEPH		10/25/24	10/28/24	
			EPH	NJEPH		10/25/24	10/29/24	
			EPH	NJEPH		10/25/24	10/28/24	
P4495-16DL2	**PT-NJEPH-SOILDL2**	**Solid**			**10/21/24**			**10/23/24**
			EPH	NJEPH		10/25/24	10/28/24	
P4495-17	**PT-HERB-SOIL**	**SOIL**			**10/21/24**			**10/23/24**
			Herbicide Group1	8151A		11/14/24	11/25/24	
P4495-17RE	**PT-HERB-SOILRE**	**SOIL**			**10/21/24**			**10/23/24**
			Herbicide Group1	8151A		11/14/24	11/25/24	
P4495-18	**PT-PCB-SOIL**	**SOIL**			**10/21/24**			**10/23/24**
			PCB	8082A		10/25/24	10/25/24	
P4495-18DL	**PT-PCB-SOIL DL**	**SOIL**			**10/21/24**			**10/23/24**
			PCB	8082A		10/25/24	10/25/24	
P4495-19	**PT-PCBO-SOIL**	**SOIL**			**10/21/24**			**10/23/24**
			PCB	8082A		10/25/24	10/28/24	
P4495-19DL	**PT-PCBO-SOILDL**	**SOIL**			**10/21/24**			**10/23/24**

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LAB CHRONICLE

			PCB	8082A		10/25/24	10/28/24	
P4495-20	**PT-PEST-SOIL**	**SOIL**			**10/21/24**			**10/23/24**
			PESTICIDE Group1	8081B		10/25/24	11/04/24	
P4495-20DL	**PT-PEST-SOILDL**	**SOIL**			**10/21/24**			**10/23/24**
			PESTICIDE Group1	8081B		10/25/24	11/04/24	
P4495-20DL2	**PT-PEST-SOILDL2**	**SOIL**			**10/21/24**			**10/23/24**
			PESTICIDE Group1	8081B		10/25/24	11/04/24	
P4495-21	**PT-CHLR-SOIL**	**SOIL**			**10/21/24**			**10/23/24**
			PESTICIDE Group2	8081B		10/25/24	10/31/24	
P4495-22	**PT-TXP-SOIL**	**SOIL**			**10/21/24**			**10/23/24**
			PESTICIDE Group3	8081B		10/25/24	10/31/24	
P4495-22DL	**PT-TXP-SOILDL**	**SOIL**			**10/21/24**			**10/23/24**
			PESTICIDE Group3	8081B		10/25/24	10/31/24	

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Hit Summary Sheet
SW-846

SDG No.: P4495 **Order ID:** P4495

Client: Chemtech Consulting Group **Project ID:** NJ Soil PT

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID :	**PT-PEST-SOIL**							
P4495-20	PT-PEST-SOIL	SOIL	alpha-BHC	219	E	0.18	1.70	ug/kg
P4495-20	PT-PEST-SOIL	SOIL	beta-BHC	272	E	0.49	1.70	ug/kg
P4495-20	PT-PEST-SOIL	SOIL	delta-BHC	273	E	0.47	1.70	ug/kg
P4495-20	PT-PEST-SOIL	SOIL	gamma-BHC (Lindane)	136	E	0.19	1.70	ug/kg
P4495-20	PT-PEST-SOIL	SOIL	Heptachlor	261	E	0.17	1.70	ug/kg
P4495-20	PT-PEST-SOIL	SOIL	Aldrin	92.9	E	0.14	1.70	ug/kg
P4495-20	PT-PEST-SOIL	SOIL	Heptachlor epoxide	86.8	E	0.23	1.70	ug/kg
P4495-20	PT-PEST-SOIL	SOIL	Endosulfan I	38.7	E	0.17	1.70	ug/kg
P4495-20	PT-PEST-SOIL	SOIL	Dieldrin	315	E	0.15	1.70	ug/kg
P4495-20	PT-PEST-SOIL	SOIL	4,4-DDE	326	E	0.13	1.70	ug/kg
P4495-20	PT-PEST-SOIL	SOIL	Endrin	43.6	E	0.16	1.70	ug/kg
P4495-20	PT-PEST-SOIL	SOIL	Endosulfan II	156	E	0.30	1.70	ug/kg
P4495-20	PT-PEST-SOIL	SOIL	4,4-DDD	211	E	0.19	1.70	ug/kg
P4495-20	PT-PEST-SOIL	SOIL	Endosulfan Sulfate	55.1	E	0.13	1.70	ug/kg
P4495-20	PT-PEST-SOIL	SOIL	4,4-DDT	106	E	0.17	1.70	ug/kg
P4495-20	PT-PEST-SOIL	SOIL	Methoxychlor	39.1	E	0.38	1.70	ug/kg
P4495-20	PT-PEST-SOIL	SOIL	Endrin ketone	171	E	0.22	1.70	ug/kg
P4495-20	PT-PEST-SOIL	SOIL	Endrin aldehyde	26.9		0.39	1.70	ug/kg
P4495-20	PT-PEST-SOIL	SOIL	alpha-Chlordane	79.7	E	0.17	1.70	ug/kg
P4495-20	PT-PEST-SOIL	SOIL	gamma-Chlordane	237	E	0.19	1.70	ug/kg
			Total Concentration:	**3,145.800**				
Client ID :	**PT-PEST-SOILDL**							
P4495-20DL	PT-PEST-SOILDL	SOIL	alpha-BHC	229	ED	0.36	3.40	ug/kg
P4495-20DL	PT-PEST-SOILDL	SOIL	beta-BHC	285	ED	0.97	3.40	ug/kg
P4495-20DL	PT-PEST-SOILDL	SOIL	delta-BHC	291	ED	0.94	3.40	ug/kg
P4495-20DL	PT-PEST-SOILDL	SOIL	gamma-BHC (Lindane)	140	ED	0.38	3.40	ug/kg
P4495-20DL	PT-PEST-SOILDL	SOIL	Heptachlor	298	ED	0.34	3.40	ug/kg
P4495-20DL	PT-PEST-SOILDL	SOIL	Aldrin	96.0	ED	0.28	3.40	ug/kg
P4495-20DL	PT-PEST-SOILDL	SOIL	Heptachlor epoxide	90.6	ED	0.46	3.40	ug/kg
P4495-20DL	PT-PEST-SOILDL	SOIL	Endosulfan I	39.3	D	0.34	3.40	ug/kg
P4495-20DL	PT-PEST-SOILDL	SOIL	Dieldrin	342	ED	0.30	3.40	ug/kg
P4495-20DL	PT-PEST-SOILDL	SOIL	4,4-DDE	342	ED	0.26	3.40	ug/kg
P4495-20DL	PT-PEST-SOILDL	SOIL	Endrin	43.3	D	0.32	3.40	ug/kg
P4495-20DL	PT-PEST-SOILDL	SOIL	Endosulfan II	159	ED	0.60	3.40	ug/kg
P4495-20DL	PT-PEST-SOILDL	SOIL	4,4-DDD	217	ED	0.38	3.40	ug/kg
P4495-20DL	PT-PEST-SOILDL	SOIL	Endosulfan Sulfate	55.0	D	0.26	3.40	ug/kg
P4495-20DL	PT-PEST-SOILDL	SOIL	4,4-DDT	104	ED	0.34	3.40	ug/kg
P4495-20DL	PT-PEST-SOILDL	SOIL	Methoxychlor	41.6	D	0.76	3.40	ug/kg
P4495-20DL	PT-PEST-SOILDL	SOIL	Endrin ketone	178	ED	0.44	3.40	ug/kg

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Hit Summary Sheet
SW-846

SDG No.: P4495 **Order ID:** P4495

Client: Chemtech Consulting Group **Project ID:** NJ Soil PT

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P4495-20DL	PT-PEST-SOILDL	SOIL	Endrin aldehyde	26.9	D	0.78	3.40	ug/kg
P4495-20DL	PT-PEST-SOILDL	SOIL	alpha-Chlordane	79.9	ED	0.34	3.40	ug/kg
P4495-20DL	PT-PEST-SOILDL	SOIL	gamma-Chlordane	246	ED	0.38	3.40	ug/kg
			Total Concentration:	**3,303.600**				
Client ID :	**PT-PEST-SOILDL2**							
P4495-20DL2	PT-PEST-SOILDL2	SOIL	alpha-BHC	217	D	3.60	33.8	ug/kg
P4495-20DL2	PT-PEST-SOILDL2	SOIL	beta-BHC	305	D	9.70	33.8	ug/kg
P4495-20DL2	PT-PEST-SOILDL2	SOIL	delta-BHC	291	D	9.40	33.8	ug/kg
P4495-20DL2	PT-PEST-SOILDL2	SOIL	gamma-BHC (Lindane)	132	D	3.80	33.8	ug/kg
P4495-20DL2	PT-PEST-SOILDL2	SOIL	Heptachlor	317	D	3.40	33.8	ug/kg
P4495-20DL2	PT-PEST-SOILDL2	SOIL	Aldrin	96.0	D	2.80	33.8	ug/kg
P4495-20DL2	PT-PEST-SOILDL2	SOIL	Heptachlor epoxide	99.5	D	4.60	33.8	ug/kg
P4495-20DL2	PT-PEST-SOILDL2	SOIL	Endosulfan I	44.9	D	3.40	33.8	ug/kg
P4495-20DL2	PT-PEST-SOILDL2	SOIL	Dieldrin	362	D	3.00	33.8	ug/kg
P4495-20DL2	PT-PEST-SOILDL2	SOIL	4,4-DDE	351	D	2.60	33.8	ug/kg
P4495-20DL2	PT-PEST-SOILDL2	SOIL	Endrin	44.8	D	3.20	33.8	ug/kg
P4495-20DL2	PT-PEST-SOILDL2	SOIL	Endosulfan II	165	D	6.00	33.8	ug/kg
P4495-20DL2	PT-PEST-SOILDL2	SOIL	4,4-DDD	215	D	3.80	33.8	ug/kg
P4495-20DL2	PT-PEST-SOILDL2	SOIL	Endosulfan Sulfate	63.5	D	2.60	33.8	ug/kg
P4495-20DL2	PT-PEST-SOILDL2	SOIL	4,4-DDT	98.8	D	3.40	33.8	ug/kg
P4495-20DL2	PT-PEST-SOILDL2	SOIL	Methoxychlor	48.5	D	7.60	33.8	ug/kg
P4495-20DL2	PT-PEST-SOILDL2	SOIL	Endrin ketone	194	D	4.40	33.8	ug/kg
P4495-20DL2	PT-PEST-SOILDL2	SOIL	Endrin aldehyde	31.9	JD	7.80	33.8	ug/kg
P4495-20DL2	PT-PEST-SOILDL2	SOIL	alpha-Chlordane	84.2	D	3.40	33.8	ug/kg
P4495-20DL2	PT-PEST-SOILDL2	SOIL	gamma-Chlordane	247	D	3.80	33.8	ug/kg
			Total Concentration:	**3,408.100**				

SAMPLE DATA

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Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	10/21/24
Project:	NJ Soil PT	Date Received:	10/23/24
Client Sample ID:	PT-PEST-SOIL	SDG No.:	P4495
Lab Sample ID:	P4495-20	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	100 Decanted:
Sample Wt/Vol:	30.16 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PESTICIDE Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092818.D	1	10/25/24 09:40	11/04/24 11:12	PB164398

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	219	E	0.18	1.70	ug/kg
319-85-7	beta-BHC	272	E	0.49	1.70	ug/kg
319-86-8	delta-BHC	273	E	0.47	1.70	ug/kg
58-89-9	gamma-BHC (Lindane)	136	E	0.19	1.70	ug/kg
76-44-8	Heptachlor	261	E	0.17	1.70	ug/kg
309-00-2	Aldrin	92.9	E	0.14	1.70	ug/kg
1024-57-3	Heptachlor epoxide	86.8	E	0.23	1.70	ug/kg
959-98-8	Endosulfan I	38.7	E	0.17	1.70	ug/kg
60-57-1	Dieldrin	315	E	0.15	1.70	ug/kg
72-55-9	4,4-DDE	326	E	0.13	1.70	ug/kg
72-20-8	Endrin	43.6	E	0.16	1.70	ug/kg
33213-65-9	Endosulfan II	156	E	0.30	1.70	ug/kg
72-54-8	4,4-DDD	211	E	0.19	1.70	ug/kg
1031-07-8	Endosulfan Sulfate	55.1	E	0.13	1.70	ug/kg
50-29-3	4,4-DDT	106	E	0.17	1.70	ug/kg
72-43-5	Methoxychlor	39.1	E	0.38	1.70	ug/kg
53494-70-5	Endrin ketone	171	E	0.22	1.70	ug/kg
7421-93-4	Endrin aldehyde	26.9		0.39	1.70	ug/kg
5103-71-9	alpha-Chlordane	79.7	E	0.17	1.70	ug/kg
5103-74-2	gamma-Chlordane	237	E	0.19	1.70	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	19.2		10 - 148	96%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.3		10 - 159	111%	SPK: 20

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Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	10/21/24
Project:	NJ Soil PT	Date Received:	10/23/24
Client Sample ID:	PT-PEST-SOIL	SDG No.:	P4495
Lab Sample ID:	P4495-20	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	100 Decanted:
Sample Wt/Vol:	30.16 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PESTICIDE Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092818.D	1	10/25/24 09:40	11/04/24 11:12	PB164398

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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:	Chemtech Consulting Group	Date Collected:	10/21/24
Project:	NJ Soil PT	Date Received:	10/23/24
Client Sample ID:	PT-PEST-SOILDL	SDG No.:	P4495
Lab Sample ID:	P4495-20DL	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	100 Decanted:
Sample Wt/Vol:	30.16 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PESTICIDE Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092819.D	2	10/25/24 09:40	11/04/24 11:26	PB164398

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	229	ED	0.36	3.40	ug/kg
319-85-7	beta-BHC	285	ED	0.97	3.40	ug/kg
319-86-8	delta-BHC	291	ED	0.94	3.40	ug/kg
58-89-9	gamma-BHC (Lindane)	140	ED	0.38	3.40	ug/kg
76-44-8	Heptachlor	298	ED	0.34	3.40	ug/kg
309-00-2	Aldrin	96.0	ED	0.28	3.40	ug/kg
1024-57-3	Heptachlor epoxide	90.6	ED	0.46	3.40	ug/kg
959-98-8	Endosulfan I	39.3	D	0.34	3.40	ug/kg
60-57-1	Dieldrin	342	ED	0.30	3.40	ug/kg
72-55-9	4,4-DDE	342	ED	0.26	3.40	ug/kg
72-20-8	Endrin	43.3	D	0.32	3.40	ug/kg
33213-65-9	Endosulfan II	159	ED	0.60	3.40	ug/kg
72-54-8	4,4-DDD	217	ED	0.38	3.40	ug/kg
1031-07-8	Endosulfan Sulfate	55.0	D	0.26	3.40	ug/kg
50-29-3	4,4-DDT	104	ED	0.34	3.40	ug/kg
72-43-5	Methoxychlor	41.6	D	0.76	3.40	ug/kg
53494-70-5	Endrin ketone	178	ED	0.44	3.40	ug/kg
7421-93-4	Endrin aldehyde	26.9	D	0.78	3.40	ug/kg
5103-71-9	alpha-Chlordane	79.9	ED	0.34	3.40	ug/kg
5103-74-2	gamma-Chlordane	246	ED	0.38	3.40	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	19.4		10 - 148	97%	SPK: 20
877-09-8	Tetrachloro-m-xylene	23.9		10 - 159	120%	SPK: 20

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Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	10/21/24
Project:	NJ Soil PT	Date Received:	10/23/24
Client Sample ID:	PT-PEST-SOILDL	SDG No.:	P4495
Lab Sample ID:	P4495-20DL	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	100 Decanted:
Sample Wt/Vol:	30.16 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PESTICIDE Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092819.D	2	10/25/24 09:40	11/04/24 11:26	PB164398

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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:	Chemtech Consulting Group	Date Collected:	10/21/24
Project:	NJ Soil PT	Date Received:	10/23/24
Client Sample ID:	PT-PEST-SOILDL2	SDG No.:	P4495
Lab Sample ID:	P4495-20DL2	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	100 Decanted:
Sample Wt/Vol:	30.16 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PESTICIDE Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092820.D	20	10/25/24 09:40	11/04/24 11:39	PB164398

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	217	D	3.60	33.8	ug/kg
319-85-7	beta-BHC	305	D	9.70	33.8	ug/kg
319-86-8	delta-BHC	291	D	9.40	33.8	ug/kg
58-89-9	gamma-BHC (Lindane)	132	D	3.80	33.8	ug/kg
76-44-8	Heptachlor	317	D	3.40	33.8	ug/kg
309-00-2	Aldrin	96.0	D	2.80	33.8	ug/kg
1024-57-3	Heptachlor epoxide	99.5	D	4.60	33.8	ug/kg
959-98-8	Endosulfan I	44.9	D	3.40	33.8	ug/kg
60-57-1	Dieldrin	362	D	3.00	33.8	ug/kg
72-55-9	4,4-DDE	351	D	2.60	33.8	ug/kg
72-20-8	Endrin	44.8	D	3.20	33.8	ug/kg
33213-65-9	Endosulfan II	165	D	6.00	33.8	ug/kg
72-54-8	4,4-DDD	215	D	3.80	33.8	ug/kg
1031-07-8	Endosulfan Sulfate	63.5	D	2.60	33.8	ug/kg
50-29-3	4,4-DDT	98.8	D	3.40	33.8	ug/kg
72-43-5	Methoxychlor	48.5	D	7.60	33.8	ug/kg
53494-70-5	Endrin ketone	194	D	4.40	33.8	ug/kg
7421-93-4	Endrin aldehyde	31.9	JD	7.80	33.8	ug/kg
5103-71-9	alpha-Chlordane	84.2	D	3.40	33.8	ug/kg
5103-74-2	gamma-Chlordane	247	D	3.80	33.8	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	21.2		10 - 148	106%	SPK: 20
877-09-8	Tetrachloro-m-xylene	27.2		10 - 159	136%	SPK: 20

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Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	10/21/24
Project:	NJ Soil PT	Date Received:	10/23/24
Client Sample ID:	PT-PEST-SOILDL2	SDG No.:	P4495
Lab Sample ID:	P4495-20DL2	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	100 Decanted:
Sample Wt/Vol:	30.16 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PESTICIDE Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092820.D	20	10/25/24 09:40	11/04/24 11:39	PB164398

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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.: P4495

Client: Chemtech Consulting Group

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
I.BLK-PL092494.D	PIBLK-PL092494.D	Decachlorobiphenyl	1	20	21.5	107		43	140
		Tetrachloro-m-xylene	1	20	22.0	110		77	126
		Decachlorobiphenyl	2	20	21.4	107		43	140
		Tetrachloro-m-xylene	2	20	20.0	100		77	126
I.BLK-PL092637.D	PIBLK-PL092637.D	Decachlorobiphenyl	1	20	22.1	110		43	140
		Tetrachloro-m-xylene	1	20	19.9	100		77	126
		Decachlorobiphenyl	2	20	24.4	122		43	140
		Tetrachloro-m-xylene	2	20	21.6	108		77	126
PB164398BL	PB164398BL	Decachlorobiphenyl	1	20	19.4	97		10	148
		Tetrachloro-m-xylene	1	20	17.1	85		10	159
		Decachlorobiphenyl	2	20	21.1	106		10	148
		Tetrachloro-m-xylene	2	20	17.7	89		10	159
PB164398BS	PB164398BS	Decachlorobiphenyl	1	20	18.1	90		10	148
		Tetrachloro-m-xylene	1	20	16.2	81		10	159
		Decachlorobiphenyl	2	20	19.5	97		10	148
		Tetrachloro-m-xylene	2	20	16.8	84		10	159
P4547-05MS	BP-F-20MS	Decachlorobiphenyl	1	20	15.7	78		10	148
		Tetrachloro-m-xylene	1	20	15.2	76		10	159
		Decachlorobiphenyl	2	20	14.4	72		10	148
		Tetrachloro-m-xylene	2	20	16.0	80		10	159
P4547-05MSD	BP-F-20MSD	Decachlorobiphenyl	1	20	15.3	76		10	148
		Tetrachloro-m-xylene	1	20	14.6	73		10	159
		Decachlorobiphenyl	2	20	15.1	75		10	148
		Tetrachloro-m-xylene	2	20	15.9	79		10	159
I.BLK-PL092649.D	PIBLK-PL092649.D	Decachlorobiphenyl	1	20	21.2	106		43	140
		Tetrachloro-m-xylene	1	20	20.0	100		77	126
		Decachlorobiphenyl	2	20	22.2	111		43	140
		Tetrachloro-m-xylene	2	20	21.4	107		77	126
I.BLK-PL092652.D	PIBLK-PL092652.D	Decachlorobiphenyl	1	20	22.7	114		43	140
		Tetrachloro-m-xylene	1	20	21.6	108		77	126
		Decachlorobiphenyl	2	20	21.7	109		43	140
		Tetrachloro-m-xylene	2	20	20.4	102		77	126
I.BLK-PL092815.D	PIBLK-PL092815.D	Decachlorobiphenyl	1	20	18.7	94		43	140
		Tetrachloro-m-xylene	1	20	18.6	93		77	126
		Decachlorobiphenyl	2	20	17.3	87		43	140
		Tetrachloro-m-xylene	2	20	18.1	90		77	126
P4495-20	PT-PEST-SOIL	Decachlorobiphenyl	1	20	18.5	92		10	148
		Tetrachloro-m-xylene	1	20	22.3	111		10	159
		Decachlorobiphenyl	2	20	19.2	96		10	148
		Tetrachloro-m-xylene	2	20	19.4	97		10	159
P4495-20DL	PT-PEST-SOILDL	Decachlorobiphenyl	1	20	19.2	96		10	148

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Surrogate Summary

SDG No.: P4495

Client: Chemtech Consulting Group

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
P4495-20DL	PT-PEST-SOILDL	Tetrachloro-m-xylene	1	20	23.9	120		10	159
		Decachlorobiphenyl	2	20	19.4	97		10	148
		Tetrachloro-m-xylene	2	20	20.0	100		10	159
P4495-20DL2	PT-PEST-SOILDL2	Decachlorobiphenyl	1	20	21.2	106		10	148
		Tetrachloro-m-xylene	1	20	27.2	136		10	159
		Decachlorobiphenyl	2	20	21.0	105		10	148
		Tetrachloro-m-xylene	2	20	22.4	112		10	159
I.BLK-PL092838.D	PIBLK-PL092838.D	Decachlorobiphenyl	1	20	18.9	94		43	140
		Tetrachloro-m-xylene	1	20	18.6	93		77	126
		Decachlorobiphenyl	2	20	18.2	91		43	140
		Tetrachloro-m-xylene	2	20	18.5	93		77	126

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4495

Client: Chemtech Consulting Group

Analytical Method: 8081B **DataFile :** PL092647.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-F-20MS**											
P4547-05MS	alpha-BHC	19.21	0	17.3	ug/kg	90				60	144	
	beta-BHC	19.21	0	17.7	ug/kg	92				54	143	
	delta-BHC	19.21	0	16.4	ug/kg	85				47	144	
	gamma-BHC (Lindane)	19.21	0	17.1	ug/kg	89				61	140	
	Heptachlor	19.21	0	17.8	ug/kg	93				63	135	
	Aldrin	19.21	0	16.6	ug/kg	86				49	139	
	Heptachlor epoxide	19.21	0	17.1	ug/kg	89				32	180	
	Endosulfan I	19.21	0	17.9	ug/kg	93				56	142	
	Dieldrin	19.21	0	16.6	ug/kg	86				47	161	
	4,4'-DDE	19.21	0	17.4	ug/kg	91				55	136	
	Endrin	19.21	0	16.1	ug/kg	84				57	139	
	Endosulfan II	19.21	0	16.3	ug/kg	85				40	163	
	4,4'-DDD	19.21	0	16.2	ug/kg	84				37	192	
	Endosulfan sulfate	19.21	0	16.0	ug/kg	83				62	139	
	4,4'-DDT	19.21	0	16.2	ug/kg	84				51	146	
	Methoxychlor	19.21	0	16.9	ug/kg	88				54	136	
	Endrin ketone	19.21	0	16.6	ug/kg	86				60	129	
	Endrin aldehyde	19.21	0	16.1	ug/kg	84				59	132	
	alpha-Chlordane	19.21	0	17.7	ug/kg	92				30	192	
	gamma-Chlordane	19.21	0	17.2	ug/kg	90				44	175	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4495

Client: Chemtech Consulting Group

Analytical Method: 8081B **DataFile :** PL092648.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Client Sample ID:	**BP-F-20MSD**											
P4547-05MSD	alpha-BHC	19.2	0	17.3	ug/kg	90		0		60	144	20
	beta-BHC	19.2	0	17.9	ug/kg	93		1		54	143	20
	delta-BHC	19.2	0	16.6	ug/kg	86		1		47	144	20
	gamma-BHC (Lindane)	19.2	0	17.2	ug/kg	90		1		61	140	20
	Heptachlor	19.2	0	18.0	ug/kg	94		1		63	135	20
	Aldrin	19.2	0	16.8	ug/kg	87		1		49	139	20
	Heptachlor epoxide	19.2	0	17.4	ug/kg	91		2		32	180	20
	Endosulfan I	19.2	0	17.9	ug/kg	93		0		56	142	20
	Dieldrin	19.2	0	17.1	ug/kg	89		3		47	161	20
	4,4'-DDE	19.2	0	17.6	ug/kg	92		1		55	136	20
	Endrin	19.2	0	17.2	ug/kg	90		7		57	139	20
	Endosulfan II	19.2	0	16.8	ug/kg	87		2		40	163	20
	4,4'-DDD	19.2	0	17.0	ug/kg	89		6		37	192	20
	Endosulfan sulfate	19.2	0	16.7	ug/kg	87		5		62	139	20
	4,4'-DDT	19.2	0	16.6	ug/kg	86		2		51	146	20
	Methoxychlor	19.2	0	18.0	ug/kg	94		7		54	136	20
	Endrin ketone	19.2	0	16.8	ug/kg	87		1		60	129	20
	Endrin aldehyde	19.2	0	16.1	ug/kg	84		0		59	132	20
	alpha-Chlordane	19.2	0	17.4	ug/kg	91		1		30	192	20
	gamma-Chlordane	19.2	0	17.2	ug/kg	90		0		44	175	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4495

Client: Chemtech Consulting Group

Analytical Method: 8081B **Datafile :** PL092641.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB164398BS	alpha-BHC	16.66	16.2	ug/kg	97				84	123	
	beta-BHC	16.66	16.7	ug/kg	100				82	123	
	delta-BHC	16.66	16.2	ug/kg	97				83	126	
	gamma-BHC (Lindane)	16.66	16.4	ug/kg	98				83	125	
	Heptachlor	16.66	16.7	ug/kg	100				83	122	
	Aldrin	16.66	16.3	ug/kg	98				82	124	
	Heptachlor epoxide	16.66	17.0	ug/kg	102				83	120	
	Endosulfan I	16.66	17.2	ug/kg	103				81	124	
	Dieldrin	16.66	16.4	ug/kg	98				85	121	
	4,4'-DDE	16.66	16.8	ug/kg	101				81	123	
	Endrin	16.66	16.1	ug/kg	97				76	130	
	Endosulfan II	16.66	16.3	ug/kg	98				80	125	
	4,4'-DDD	16.66	16.6	ug/kg	100				80	131	
	Endosulfan sulfate	16.66	16.3	ug/kg	98				81	122	
	4,4'-DDT	16.66	16.1	ug/kg	97				70	129	
	Methoxychlor	16.66	17.8	ug/kg	107				60	119	
	Endrin ketone	16.66	17.2	ug/kg	103				77	132	
	Endrin aldehyde	16.66	16.6	ug/kg	100				79	124	
	alpha-Chlordane	16.66	16.7	ug/kg	100				84	120	
	gamma-Chlordane	16.66	16.4	ug/kg	98				83	122	

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4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB164398BL

Lab Name: CHEMTECH Contract: CHEM02

Lab Code: CHEM Case No.: P4495 SAS No.: P4495 SDG NO.: P4495

Lab Sample ID: PB164398BL Lab File ID: PL092640.D

Matrix: (soil/water) Solid Extraction: (Type)

Sulfur Cleanup: (Y/N) N Date Extracted: 10/25/2024

Date Analyzed (1): 10/25/2024 Date Analyzed (2): 10/25/2024

Time Analyzed (1): 16:46 Time Analyzed (2): 16:46

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
PB164398BS	PB164398BS	PL092641.D	10/25/2024	10/25/2024
BP-F-20MS	P4547-05MS	PL092647.D	10/25/2024	10/25/2024
BP-F-20MSD	P4547-05MSD	PL092648.D	10/25/2024	10/25/2024
PT-PEST-SOIL	P4495-20	PL092818.D	11/04/2024	11/04/2024

COMMENTS:

QC SAMPLE DATA

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Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	
Project:	NJ Soil PT	Date Received:	
Client Sample ID:	PB164398BL	SDG No.:	P4495
Lab Sample ID:	PB164398BL	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	100 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PESTICIDE Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092640.D	1	10/25/24 09:40	10/25/24 16:46	PB164398

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.18	U	0.18	1.70	ug/kg
319-85-7	beta-BHC	0.49	U	0.49	1.70	ug/kg
319-86-8	delta-BHC	0.47	U	0.47	1.70	ug/kg
58-89-9	gamma-BHC (Lindane)	0.19	U	0.19	1.70	ug/kg
76-44-8	Heptachlor	0.17	U	0.17	1.70	ug/kg
309-00-2	Aldrin	0.14	U	0.14	1.70	ug/kg
1024-57-3	Heptachlor epoxide	0.23	U	0.23	1.70	ug/kg
959-98-8	Endosulfan I	0.17	U	0.17	1.70	ug/kg
60-57-1	Dieldrin	0.15	U	0.15	1.70	ug/kg
72-55-9	4,4-DDE	0.13	U	0.13	1.70	ug/kg
72-20-8	Endrin	0.16	U	0.16	1.70	ug/kg
33213-65-9	Endosulfan II	0.30	U	0.30	1.70	ug/kg
72-54-8	4,4-DDD	0.19	U	0.19	1.70	ug/kg
1031-07-8	Endosulfan Sulfate	0.13	U	0.13	1.70	ug/kg
50-29-3	4,4-DDT	0.17	U	0.17	1.70	ug/kg
72-43-5	Methoxychlor	0.38	U	0.38	1.70	ug/kg
53494-70-5	Endrin ketone	0.22	U	0.22	1.70	ug/kg
7421-93-4	Endrin aldehyde	0.39	U	0.39	1.70	ug/kg
5103-71-9	alpha-Chlordane	0.17	U	0.17	1.70	ug/kg
5103-74-2	gamma-Chlordane	0.19	U	0.19	1.70	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	21.1		10 - 148	106%	SPK: 20
877-09-8	Tetrachloro-m-xylene	17.7		10 - 159	89%	SPK: 20

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Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	
Project:	NJ Soil PT	Date Received:	
Client Sample ID:	PB164398BL	SDG No.:	P4495
Lab Sample ID:	PB164398BL	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	100 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PESTICIDE Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092640.D	1	10/25/24 09:40	10/25/24 16:46	PB164398

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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:	Chemtech Consulting Group	Date Collected:	10/21/24
Project:	NJ Soil PT	Date Received:	10/21/24
Client Sample ID:	PIBLK-PL092494.D	SDG No.:	P4495
Lab Sample ID:	I.BLK-PL092494.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PESTICIDE Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092494.D	1		10/21/24	PL102124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0061	U	0.0061	0.050	ug/L
319-85-7	beta-BHC	0.014	U	0.014	0.050	ug/L
319-86-8	delta-BHC	0.015	U	0.015	0.050	ug/L
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
309-00-2	Aldrin	0.0044	U	0.0044	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0090	U	0.0090	0.050	ug/L
959-98-8	Endosulfan I	0.0050	U	0.0050	0.050	ug/L
60-57-1	Dieldrin	0.0047	U	0.0047	0.050	ug/L
72-55-9	4,4-DDE	0.0045	U	0.0045	0.050	ug/L
72-20-8	Endrin	0.0043	U	0.0043	0.050	ug/L
33213-65-9	Endosulfan II	0.0075	U	0.0075	0.050	ug/L
72-54-8	4,4-DDD	0.0092	U	0.0092	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0035	U	0.0035	0.050	ug/L
50-29-3	4,4-DDT	0.0044	U	0.0044	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0097	U	0.0097	0.050	ug/L
7421-93-4	Endrin aldehyde	0.0099	U	0.0099	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0060	U	0.0060	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0060	U	0.0060	0.050	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	21.5		43 - 140	107%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.0		77 - 126	110%	SPK: 20

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Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	10/21/24
Project:	NJ Soil PT	Date Received:	10/21/24
Client Sample ID:	PIBLK-PL092494.D	SDG No.:	P4495
Lab Sample ID:	I.BLK-PL092494.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PESTICIDE Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092494.D	1		10/21/24	PL102124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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:	Chemtech Consulting Group	Date Collected:	10/25/24
Project:	NJ Soil PT	Date Received:	10/25/24
Client Sample ID:	PIBLK-PL092637.D	SDG No.:	P4495
Lab Sample ID:	I.BLK-PL092637.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PESTICIDE Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092637.D	1		10/25/24	PL102624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0061	U	0.0061	0.050	ug/L
319-85-7	beta-BHC	0.014	U	0.014	0.050	ug/L
319-86-8	delta-BHC	0.015	U	0.015	0.050	ug/L
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
309-00-2	Aldrin	0.0044	U	0.0044	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0090	U	0.0090	0.050	ug/L
959-98-8	Endosulfan I	0.0050	U	0.0050	0.050	ug/L
60-57-1	Dieldrin	0.0047	U	0.0047	0.050	ug/L
72-55-9	4,4-DDE	0.0045	U	0.0045	0.050	ug/L
72-20-8	Endrin	0.0043	U	0.0043	0.050	ug/L
33213-65-9	Endosulfan II	0.0075	U	0.0075	0.050	ug/L
72-54-8	4,4-DDD	0.0092	U	0.0092	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0035	U	0.0035	0.050	ug/L
50-29-3	4,4-DDT	0.0044	U	0.0044	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0097	U	0.0097	0.050	ug/L
7421-93-4	Endrin aldehyde	0.0099	U	0.0099	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0060	U	0.0060	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0060	U	0.0060	0.050	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	24.4		43 - 140	122%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.6		77 - 126	108%	SPK: 20

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Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	10/25/24
Project:	NJ Soil PT	Date Received:	10/25/24
Client Sample ID:	PIBLK-PL092637.D	SDG No.:	P4495
Lab Sample ID:	I.BLK-PL092637.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PESTICIDE Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092637.D	1		10/25/24	PL102624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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:	Chemtech Consulting Group	Date Collected:	10/25/24
Project:	NJ Soil PT	Date Received:	10/25/24
Client Sample ID:	PIBLK-PL092649.D	SDG No.:	P4495
Lab Sample ID:	I.BLK-PL092649.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PESTICIDE Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092649.D	1		10/25/24	PL102624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0061	U	0.0061	0.050	ug/L
319-85-7	beta-BHC	0.014	U	0.014	0.050	ug/L
319-86-8	delta-BHC	0.015	U	0.015	0.050	ug/L
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
309-00-2	Aldrin	0.0044	U	0.0044	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0090	U	0.0090	0.050	ug/L
959-98-8	Endosulfan I	0.0050	U	0.0050	0.050	ug/L
60-57-1	Dieldrin	0.0047	U	0.0047	0.050	ug/L
72-55-9	4,4-DDE	0.0045	U	0.0045	0.050	ug/L
72-20-8	Endrin	0.0043	U	0.0043	0.050	ug/L
33213-65-9	Endosulfan II	0.0075	U	0.0075	0.050	ug/L
72-54-8	4,4-DDD	0.0092	U	0.0092	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0035	U	0.0035	0.050	ug/L
50-29-3	4,4-DDT	0.0044	U	0.0044	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0097	U	0.0097	0.050	ug/L
7421-93-4	Endrin aldehyde	0.0099	U	0.0099	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0060	U	0.0060	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0060	U	0.0060	0.050	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	22.2		43 - 140	111%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.4		77 - 126	107%	SPK: 20

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Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	10/25/24
Project:	NJ Soil PT	Date Received:	10/25/24
Client Sample ID:	PIBLK-PL092649.D	SDG No.:	P4495
Lab Sample ID:	I.BLK-PL092649.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PESTICIDE Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092649.D	1		10/25/24	PL102624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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:	Chemtech Consulting Group	Date Collected:	10/28/24
Project:	NJ Soil PT	Date Received:	10/28/24
Client Sample ID:	PIBLK-PL092652.D	SDG No.:	P4495
Lab Sample ID:	I.BLK-PL092652.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PESTICIDE Group1
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						
319-84-6	alpha-BHC	0.0061	U	0.0061	0.050	ug/L
319-85-7	beta-BHC	0.014	U	0.014	0.050	ug/L
319-86-8	delta-BHC	0.015	U	0.015	0.050	ug/L
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
309-00-2	Aldrin	0.0044	U	0.0044	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0090	U	0.0090	0.050	ug/L
959-98-8	Endosulfan I	0.0050	U	0.0050	0.050	ug/L
60-57-1	Dieldrin	0.0047	U	0.0047	0.050	ug/L
72-55-9	4,4-DDE	0.0045	U	0.0045	0.050	ug/L
72-20-8	Endrin	0.0043	U	0.0043	0.050	ug/L
33213-65-9	Endosulfan II	0.0075	U	0.0075	0.050	ug/L
72-54-8	4,4-DDD	0.0092	U	0.0092	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0035	U	0.0035	0.050	ug/L
50-29-3	4,4-DDT	0.0044	U	0.0044	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0097	U	0.0097	0.050	ug/L
7421-93-4	Endrin aldehyde	0.0099	U	0.0099	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0060	U	0.0060	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0060	U	0.0060	0.050	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	22.7		43 - 140	114%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.6		77 - 126	108%	SPK: 20

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Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	10/28/24
Project:	NJ Soil PT	Date Received:	10/28/24
Client Sample ID:	PIBLK-PL092652.D	SDG No.:	P4495
Lab Sample ID:	I.BLK-PL092652.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PESTICIDE Group1
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

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:	Chemtech Consulting Group	Date Collected:	11/04/24
Project:	NJ Soil PT	Date Received:	11/04/24
Client Sample ID:	PIBLK-PL092815.D	SDG No.:	P4495
Lab Sample ID:	I.BLK-PL092815.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PESTICIDE Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092815.D	1		11/04/24	PL110424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0061	U	0.0061	0.050	ug/L
319-85-7	beta-BHC	0.014	U	0.014	0.050	ug/L
319-86-8	delta-BHC	0.015	U	0.015	0.050	ug/L
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
309-00-2	Aldrin	0.0044	U	0.0044	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0090	U	0.0090	0.050	ug/L
959-98-8	Endosulfan I	0.0050	U	0.0050	0.050	ug/L
60-57-1	Dieldrin	0.0047	U	0.0047	0.050	ug/L
72-55-9	4,4-DDE	0.0045	U	0.0045	0.050	ug/L
72-20-8	Endrin	0.0043	U	0.0043	0.050	ug/L
33213-65-9	Endosulfan II	0.0075	U	0.0075	0.050	ug/L
72-54-8	4,4-DDD	0.0092	U	0.0092	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0035	U	0.0035	0.050	ug/L
50-29-3	4,4-DDT	0.0044	U	0.0044	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0097	U	0.0097	0.050	ug/L
7421-93-4	Endrin aldehyde	0.0099	U	0.0099	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0060	U	0.0060	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0060	U	0.0060	0.050	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	18.7		43 - 140	94%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.6		77 - 126	93%	SPK: 20

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Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	11/04/24
Project:	NJ Soil PT	Date Received:	11/04/24
Client Sample ID:	PIBLK-PL092815.D	SDG No.:	P4495
Lab Sample ID:	I.BLK-PL092815.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PESTICIDE Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092815.D	1		11/04/24	PL110424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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:	Chemtech Consulting Group	Date Collected:	11/04/24
Project:	NJ Soil PT	Date Received:	11/04/24
Client Sample ID:	PIBLK-PL092838.D	SDG No.:	P4495
Lab Sample ID:	I.BLK-PL092838.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PESTICIDE Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092838.D	1		11/04/24	PL110424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0061	U	0.0061	0.050	ug/L
319-85-7	beta-BHC	0.014	U	0.014	0.050	ug/L
319-86-8	delta-BHC	0.015	U	0.015	0.050	ug/L
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
309-00-2	Aldrin	0.0044	U	0.0044	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0090	U	0.0090	0.050	ug/L
959-98-8	Endosulfan I	0.0050	U	0.0050	0.050	ug/L
60-57-1	Dieldrin	0.0047	U	0.0047	0.050	ug/L
72-55-9	4,4-DDE	0.0045	U	0.0045	0.050	ug/L
72-20-8	Endrin	0.0043	U	0.0043	0.050	ug/L
33213-65-9	Endosulfan II	0.0075	U	0.0075	0.050	ug/L
72-54-8	4,4-DDD	0.0092	U	0.0092	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0035	U	0.0035	0.050	ug/L
50-29-3	4,4-DDT	0.0044	U	0.0044	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0097	U	0.0097	0.050	ug/L
7421-93-4	Endrin aldehyde	0.0099	U	0.0099	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0060	U	0.0060	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0060	U	0.0060	0.050	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	18.9		43 - 140	94%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.6		77 - 126	93%	SPK: 20

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Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	11/04/24
Project:	NJ Soil PT	Date Received:	11/04/24
Client Sample ID:	PIBLK-PL092838.D	SDG No.:	P4495
Lab Sample ID:	I.BLK-PL092838.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PESTICIDE Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092838.D	1		11/04/24	PL110424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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:	Chemtech Consulting Group	Date Collected:	
Project:	NJ Soil PT	Date Received:	
Client Sample ID:	PB164398BS	SDG No.:	P4495
Lab Sample ID:	PB164398BS	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	100 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PESTICIDE Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092641.D	1	10/25/24 09:40	10/25/24 16:59	PB164398

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	16.2		0.18	1.70	ug/kg
319-85-7	beta-BHC	16.7		0.49	1.70	ug/kg
319-86-8	delta-BHC	16.2		0.47	1.70	ug/kg
58-89-9	gamma-BHC (Lindane)	16.4		0.19	1.70	ug/kg
76-44-8	Heptachlor	16.7		0.17	1.70	ug/kg
309-00-2	Aldrin	16.3		0.14	1.70	ug/kg
1024-57-3	Heptachlor epoxide	17.0		0.23	1.70	ug/kg
959-98-8	Endosulfan I	17.2		0.17	1.70	ug/kg
60-57-1	Dieldrin	16.4		0.15	1.70	ug/kg
72-55-9	4,4-DDE	16.8		0.13	1.70	ug/kg
72-20-8	Endrin	16.1		0.16	1.70	ug/kg
33213-65-9	Endosulfan II	16.3		0.30	1.70	ug/kg
72-54-8	4,4-DDD	16.6		0.19	1.70	ug/kg
1031-07-8	Endosulfan Sulfate	16.3		0.13	1.70	ug/kg
50-29-3	4,4-DDT	16.1		0.17	1.70	ug/kg
72-43-5	Methoxychlor	17.8		0.38	1.70	ug/kg
53494-70-5	Endrin ketone	17.2		0.22	1.70	ug/kg
7421-93-4	Endrin aldehyde	16.6		0.39	1.70	ug/kg
5103-71-9	alpha-Chlordane	16.7		0.17	1.70	ug/kg
5103-74-2	gamma-Chlordane	16.4		0.19	1.70	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	19.5		10 - 148	97%	SPK: 20
877-09-8	Tetrachloro-m-xylene	16.8		10 - 159	84%	SPK: 20

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Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	
Project:	NJ Soil PT	Date Received:	
Client Sample ID:	PB164398BS	SDG No.:	P4495
Lab Sample ID:	PB164398BS	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	100 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PESTICIDE Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092641.D	1	10/25/24 09:40	10/25/24 16:59	PB164398

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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:	Chemtech Consulting Group	Date Collected:	10/24/24
Project:	NJ Soil PT	Date Received:	10/24/24
Client Sample ID:	BP-F-20MS	SDG No.:	P4495
Lab Sample ID:	P4547-05MS	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	86.6 Decanted:
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PESTICIDE Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092647.D	1	10/25/24 09:40	10/25/24 18:42	PB164398

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	17.3		0.21	2.00	ug/kg
319-85-7	beta-BHC	17.7		0.56	2.00	ug/kg
319-86-8	delta-BHC	16.4		0.54	2.00	ug/kg
58-89-9	gamma-BHC (Lindane)	17.1		0.22	2.00	ug/kg
76-44-8	Heptachlor	17.8		0.20	2.00	ug/kg
309-00-2	Aldrin	16.6		0.16	2.00	ug/kg
1024-57-3	Heptachlor epoxide	17.1		0.27	2.00	ug/kg
959-98-8	Endosulfan I	17.9		0.20	2.00	ug/kg
60-57-1	Dieldrin	16.6		0.17	2.00	ug/kg
72-55-9	4,4-DDE	17.4		0.15	2.00	ug/kg
72-20-8	Endrin	16.1		0.18	2.00	ug/kg
33213-65-9	Endosulfan II	16.3		0.35	2.00	ug/kg
72-54-8	4,4-DDD	16.2		0.22	2.00	ug/kg
1031-07-8	Endosulfan Sulfate	16.0		0.15	2.00	ug/kg
50-29-3	4,4-DDT	16.2		0.20	2.00	ug/kg
72-43-5	Methoxychlor	16.9		0.44	2.00	ug/kg
53494-70-5	Endrin ketone	16.6		0.25	2.00	ug/kg
7421-93-4	Endrin aldehyde	16.1		0.45	2.00	ug/kg
5103-71-9	alpha-Chlordane	17.7		0.20	2.00	ug/kg
5103-74-2	gamma-Chlordane	17.2		0.22	2.00	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	15.7		10 - 148	78%	SPK: 20
877-09-8	Tetrachloro-m-xylene	16.0		10 - 159	80%	SPK: 20

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Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	10/24/24
Project:	NJ Soil PT	Date Received:	10/24/24
Client Sample ID:	BP-F-20MS	SDG No.:	P4495
Lab Sample ID:	P4547-05MS	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	86.6 Decanted:
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PESTICIDE Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092647.D	1	10/25/24 09:40	10/25/24 18:42	PB164398

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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:	Chemtech Consulting Group	Date Collected:	10/24/24
Project:	NJ Soil PT	Date Received:	10/24/24
Client Sample ID:	BP-F-20MSD	SDG No.:	P4495
Lab Sample ID:	P4547-05MSD	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	86.6 Decanted:
Sample Wt/Vol:	30.07 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PESTICIDE Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092648.D	1	10/25/24 09:40	10/25/24 18:56	PB164398

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	17.3		0.21	2.00	ug/kg
319-85-7	beta-BHC	17.9		0.56	2.00	ug/kg
319-86-8	delta-BHC	16.6		0.54	2.00	ug/kg
58-89-9	gamma-BHC (Lindane)	17.2		0.22	2.00	ug/kg
76-44-8	Heptachlor	18.0		0.20	2.00	ug/kg
309-00-2	Aldrin	16.8		0.16	2.00	ug/kg
1024-57-3	Heptachlor epoxide	17.4		0.27	2.00	ug/kg
959-98-8	Endosulfan I	17.9		0.20	2.00	ug/kg
60-57-1	Dieldrin	17.1		0.17	2.00	ug/kg
72-55-9	4,4-DDE	17.6		0.15	2.00	ug/kg
72-20-8	Endrin	17.2		0.18	2.00	ug/kg
33213-65-9	Endosulfan II	16.8		0.35	2.00	ug/kg
72-54-8	4,4-DDD	17.0		0.22	2.00	ug/kg
1031-07-8	Endosulfan Sulfate	16.7		0.15	2.00	ug/kg
50-29-3	4,4-DDT	16.6		0.20	2.00	ug/kg
72-43-5	Methoxychlor	18.0		0.44	2.00	ug/kg
53494-70-5	Endrin ketone	16.8		0.25	2.00	ug/kg
7421-93-4	Endrin aldehyde	16.1		0.45	2.00	ug/kg
5103-71-9	alpha-Chlordane	17.4		0.20	2.00	ug/kg
5103-74-2	gamma-Chlordane	17.2		0.22	2.00	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	15.3		10 - 148	76%	SPK: 20
877-09-8	Tetrachloro-m-xylene	15.9		10 - 159	79%	SPK: 20

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Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	10/24/24
Project:	NJ Soil PT	Date Received:	10/24/24
Client Sample ID:	BP-F-20MSD	SDG No.:	P4495
Lab Sample ID:	P4547-05MSD	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	86.6 Decanted:
Sample Wt/Vol:	30.07 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PESTICIDE Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092648.D	1	10/25/24 09:40	10/25/24 18:56	PB164398

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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RETENTION TIMES OF INITIAL CALIBRATION

Contract: CHEM02

Lab Code: CHEM **Case No.:** P4495 **SAS No.:** P4495 **SDG NO.:** P4495

Instrument ID: ECD_L **Calibration Date(s):** 10/21/2024 10/21/2024

Calibration Times: 13:00 13:53

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

LAB FILE ID: RT 100 = PL092497.D RT 075 = PL092498.D

RT 050 = PL092499.D RT 025 = PL092500.D RT 005 = PL092501.D

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW FROM	RT WINDOW TO
4,4'-DDD	6.71	6.71	6.71	6.71	6.71	6.71	6.61	6.81
4,4'-DDE	6.19	6.19	6.19	6.19	6.19	6.19	6.09	6.29
4,4'-DDT	7.02	7.02	7.02	7.02	7.02	7.02	6.92	7.12
Aldrin	5.26	5.26	5.26	5.26	5.26	5.26	5.16	5.36
alpha-BHC	4.00	3.99	3.99	3.99	3.99	3.99	3.89	4.09
alpha-Chlordane	6.02	6.02	6.02	6.02	6.02	6.02	5.92	6.12
beta-BHC	4.53	4.52	4.52	4.52	4.52	4.52	4.42	4.62
Decachlorobiphenyl	9.06	9.06	9.06	9.05	9.06	9.06	8.96	9.16
delta-BHC	4.77	4.77	4.77	4.77	4.77	4.77	4.67	4.87
Dieldrin	6.34	6.34	6.35	6.34	6.35	6.34	6.24	6.44
Endosulfan I	6.07	6.07	6.07	6.07	6.07	6.07	5.97	6.17
Endosulfan II	6.79	6.79	6.79	6.79	6.79	6.79	6.69	6.89
Endosulfan sulfate	7.16	7.16	7.16	7.16	7.16	7.16	7.06	7.26
Endrin	6.57	6.58	6.57	6.57	6.57	6.57	6.47	6.67
Endrin aldehyde	6.92	6.92	6.92	6.92	6.93	6.92	6.82	7.02
Endrin ketone	7.64	7.64	7.64	7.64	7.64	7.64	7.54	7.74
gamma-BHC (Lindane)	4.33	4.33	4.33	4.33	4.33	4.33	4.23	4.43
gamma-Chlordane	5.94	5.94	5.94	5.94	5.94	5.94	5.84	6.04
Heptachlor	4.92	4.92	4.92	4.92	4.92	4.92	4.82	5.02
Heptachlor epoxide	5.68	5.68	5.68	5.68	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

Alliance TECHNICAL GROUP
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RETENTION TIMES OF INITIAL CALIBRATION

Contract: CHEM02

Lab Code: CHEM **Case No.:** P4495 **SAS No.:** P4495 **SDG NO.:** P4495

Instrument ID: ECD_L **Calibration Date(s):** 10/21/2024 10/21/2024

Calibration Times: 13:00 13:53

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

LAB FILE ID: RT 100 = PL092497.D RT 075 = PL092498.D

RT 050 = PL092499.D RT 025 = PL092500.D RT 005 = PL092501.D

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW FROM	RT WINDOW TO
4,4'-DDD	5.79	5.79	5.79	5.79	5.79	5.79	5.69	5.89
4,4'-DDE	5.23	5.24	5.23	5.23	5.23	5.23	5.13	5.33
4,4'-DDT	6.04	6.04	6.04	6.04	6.04	6.04	5.94	6.14
Aldrin	4.23	4.23	4.23	4.23	4.23	4.23	4.13	4.33
alpha-BHC	3.28	3.28	3.28	3.28	3.28	3.28	3.18	3.38
alpha-Chlordane	5.05	5.05	5.05	5.05	5.05	5.05	4.95	5.15
beta-BHC	3.91	3.91	3.91	3.91	3.91	3.91	3.81	4.01
Decachlorobiphenyl	7.92	7.92	7.92	7.92	7.92	7.92	7.82	8.02
delta-BHC	4.14	4.14	4.14	4.14	4.14	4.14	4.04	4.24
Dieldrin	5.37	5.37	5.37	5.37	5.37	5.37	5.27	5.47
Endosulfan I	5.10	5.10	5.10	5.10	5.10	5.10	5.00	5.20
Endosulfan II	5.94	5.94	5.94	5.94	5.94	5.94	5.84	6.04
Endosulfan sulfate	6.34	6.34	6.34	6.34	6.34	6.34	6.24	6.44
Endrin	5.64	5.64	5.64	5.64	5.64	5.64	5.54	5.74
Endrin aldehyde	6.12	6.12	6.12	6.12	6.12	6.12	6.02	6.22
Endrin ketone	6.84	6.84	6.84	6.84	6.85	6.84	6.74	6.94
gamma-BHC (Lindane)	3.61	3.61	3.61	3.61	3.61	3.61	3.51	3.71
gamma-Chlordane	4.98	4.98	4.98	4.98	4.98	4.98	4.88	5.08
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	6.62	6.62	6.62	6.62	6.62	6.62	6.52	6.72
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: CHEM02

Lab Code: CHEM **Case No.:** P4495 **SAS No.:** P4495 **SDG NO.:** P4495

Instrument ID: ECD_L **Calibration Date(s):** 10/21/2024 10/21/2024

Calibration Times: 13:00 13:53

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

LAB FILE ID: **CF 100 =** PL092497.D **CF 075 =** PL092498.D

CF 050 = PL092499.D **CF 025 =** PL092500.D **CF 005 =** PL092501.D

COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	2246400000	2258620000	2360420000	2437540000	2776830000	2415960000	9
4,4'-DDE	2768040000	2811970000	2906870000	3034090000	3308610000	2965920000	7
4,4'-DDT	2351780000	2354700000	2458670000	2510620000	2654500000	2466050000	5
Aldrin	3357570000	3399600000	3527390000	3705500000	4403230000	3678660000	12
alpha-BHC	3880960000	3900500000	3985440000	4129150000	4710150000	4121240000	8
alpha-Chlordane	2934020000	3004180000	3127580000	3292340000	3923880000	3256400000	12
beta-BHC	1472550000	1485480000	1520550000	1582420000	1700650000	1552330000	6
Decachlorobiphenyl	1893630000	1911900000	1968460000	2071700000	2310050000	2031150000	8
delta-BHC	3526460000	3537730000	3645230000	3889220000	4211510000	3762030000	8
Dieldrin	2994540000	3035510000	3143820000	3281370000	3804200000	3251890000	10
Endosulfan I	2758780000	2810500000	2913200000	3062020000	3552420000	3019390000	11
Endosulfan II	2571530000	2607370000	2748580000	2960640000	3260790000	2829780000	10
Endosulfan sulfate	2304480000	2335740000	2443850000	2546180000	3002960000	2526640000	11
Endrin	2580620000	2625010000	2734790000	2924540000	3253750000	2823740000	10
Endrin aldehyde	1982870000	2003830000	2098670000	2187760000	2407240000	2136080000	8
Endrin ketone	2572770000	2595940000	2703400000	2798310000	3078670000	2749820000	7
gamma-BHC (Lindane)	3651940000	3672710000	3751070000	3836830000	4321280000	3846770000	7
gamma-Chlordane	2975150000	3046540000	3165110000	3319740000	3978350000	3296980000	12
Heptachlor	3266860000	3307900000	3429100000	3569740000	4155000000	3545720000	10
Heptachlor epoxide	3004670000	3040630000	3248410000	3443240000	3866730000	3320740000	11
Methoxychlor	1148350000	1158380000	1214430000	1185540000	1181850000	1177710000	2
Tetrachloro-m-xylene	2537390000	2552890000	2586960000	2724730000	3067200000	2693840000	8

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: CHEM02

Lab Code: CHEM **Case No.:** P4495 **SAS No.:** P4495 **SDG NO.:** P4495

Instrument ID: ECD_L **Calibration Date(s):** 10/21/2024 10/21/2024

Calibration Times: 13:00 13:53

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

LAB FILE ID: **CF 100 =** PL092497.D **CF 075 =** PL092498.D

CF 050 = PL092499.D **CF 025 =** PL092500.D **CF 005 =** PL092501.D

COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	2693820000	2711750000	2763570000	2774490000	2947510000	2778230000	4
4,4'-DDE	3365970000	3350290000	3424050000	3426470000	3819900000	3477340000	6
4,4'-DDT	2876310000	2862890000	2900910000	2875360000	3169270000	2936950000	4
Aldrin	3902880000	3867350000	3920990000	3908110000	4278130000	3975490000	4
alpha-BHC	4282080000	4249760000	4259610000	4206610000	4577410000	4315100000	3
alpha-Chlordane	3453960000	3467250000	3481480000	3550810000	3816750000	3554050000	4
beta-BHC	1637290000	1631380000	1679350000	1708600000	2073140000	1745950000	11
Decachlorobiphenyl	2533020000	2508980000	2598990000	2640650000	2893220000	2634970000	6
delta-BHC	4115860000	4070010000	4108760000	4122660000	4613930000	4206240000	5
Dieldrin	3524630000	3511910000	3576190000	3612640000	4046390000	3654350000	6
Endosulfan I	3116470000	3138120000	3163890000	3197670000	3298980000	3183030000	2
Endosulfan II	2909510000	2958770000	3049780000	3070330000	3642720000	3126220000	9
Endosulfan sulfate	2760410000	2764670000	2816810000	2859720000	3579720000	2956270000	12
Endrin	3096230000	3113840000	3236910000	3364340000	3563230000	3274910000	6
Endrin aldehyde	2316790000	2330610000	2385350000	2437260000	2812750000	2456550000	8
Endrin ketone	3125230000	3132330000	3203190000	3221610000	3378350000	3212140000	3
gamma-BHC (Lindane)	4098710000	4055410000	4107080000	4122620000	4206290000	4118020000	1
gamma-Chlordane	3544140000	3552270000	3600750000	3641630000	4057250000	3679210000	6
Heptachlor	3908940000	3891170000	3959270000	3983440000	4335990000	4015760000	5
Heptachlor epoxide	3409250000	3412120000	3473550000	3502030000	3820750000	3523540000	5
Methoxychlor	1383990000	1380180000	1398790000	1408970000	1517400000	1417870000	4
Tetrachloro-m-xylene	2710240000	2704020000	2735270000	2751220000	2986460000	2777440000	4

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RETENTION TIMES OF INITIAL CALIBRATION

Contract: CHEM02

Lab Code: CHEM **Case No.:** P4495 **SAS No.:** P4495 **SDG NO.:** P4495

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
4,4'-DDD	6.71	6.71	6.71	6.71	6.71	6.71	6.61	6.81
4,4'-DDE	6.19	6.19	6.19	6.19	6.19	6.19	6.09	6.29
4,4'-DDT	7.02	7.02	7.02	7.02	7.02	7.02	6.92	7.12
Aldrin	5.26	5.26	5.26	5.26	5.26	5.26	5.16	5.36
alpha-BHC	4.00	4.00	4.00	4.00	4.00	4.00	3.90	4.10
alpha-Chlordane	6.02	6.02	6.02	6.02	6.02	6.02	5.92	6.12
beta-BHC	4.53	4.53	4.53	4.53	4.53	4.53	4.43	4.63
Decachlorobiphenyl	9.05	9.05	9.05	9.05	9.05	9.05	8.95	9.15
delta-BHC	4.77	4.77	4.77	4.77	4.77	4.77	4.67	4.87
Dieldrin	6.35	6.35	6.35	6.35	6.34	6.34	6.24	6.44
Endosulfan I	6.07	6.07	6.07	6.07	6.07	6.07	5.97	6.17
Endosulfan II	6.79	6.79	6.79	6.79	6.79	6.79	6.69	6.89
Endosulfan sulfate	7.16	7.16	7.16	7.16	7.16	7.16	7.06	7.26
Endrin	6.58	6.58	6.57	6.57	6.57	6.57	6.47	6.67
Endrin aldehyde	6.92	6.92	6.92	6.92	6.92	6.92	6.82	7.02
Endrin ketone	7.64	7.64	7.64	7.64	7.64	7.64	7.54	7.74
gamma-BHC (Lindane)	4.33	4.33	4.33	4.33	4.33	4.33	4.23	4.43
gamma-Chlordane	5.94	5.94	5.94	5.94	5.94	5.94	5.84	6.04
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: CHEM02

Lab Code: CHEM **Case No.:** P4495 **SAS No.:** P4495 **SDG NO.:** P4495

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
4,4'-DDD	5.79	5.79	5.79	5.79	5.79	5.79	5.69	5.89
4,4'-DDE	5.24	5.24	5.24	5.24	5.24	5.24	5.14	5.34
4,4'-DDT	6.04	6.04	6.04	6.04	6.04	6.04	5.94	6.14
Aldrin	4.23	4.23	4.23	4.23	4.23	4.23	4.13	4.33
alpha-BHC	3.28	3.28	3.28	3.28	3.28	3.28	3.18	3.38
alpha-Chlordane	5.05	5.05	5.05	5.05	5.05	5.05	4.95	5.15
beta-BHC	3.91	3.91	3.91	3.91	3.91	3.91	3.81	4.01
Decachlorobiphenyl	7.92	7.92	7.92	7.92	7.92	7.92	7.82	8.02
delta-BHC	4.14	4.14	4.14	4.14	4.14	4.14	4.04	4.24
Dieldrin	5.37	5.37	5.37	5.37	5.37	5.37	5.27	5.47
Endosulfan I	5.10	5.10	5.10	5.10	5.10	5.10	5.00	5.20
Endosulfan II	5.94	5.94	5.94	5.94	5.94	5.94	5.84	6.04
Endosulfan sulfate	6.34	6.34	6.34	6.34	6.34	6.34	6.24	6.44
Endrin	5.64	5.64	5.64	5.64	5.64	5.64	5.54	5.74
Endrin aldehyde	6.12	6.12	6.12	6.12	6.12	6.12	6.02	6.22
Endrin ketone	6.84	6.84	6.84	6.84	6.84	6.84	6.74	6.94
gamma-BHC (Lindane)	3.61	3.61	3.61	3.61	3.61	3.61	3.51	3.71
gamma-Chlordane	4.98	4.98	4.98	4.98	4.98	4.98	4.88	5.08
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: CHEM02

Lab Code: CHEM **Case No.:** P4495 **SAS No.:** P4495 **SDG NO.:** P4495

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
4,4'-DDD	1810270000	1801980000	1817980000	1967770000	2199620000	1919520000	9
4,4'-DDE	2254070000	2226390000	2230050000	2402470000	2732960000	2369190000	9
4,4'-DDT	1948940000	1933390000	1940720000	2113460000	2412250000	2069750000	10
Aldrin	2847480000	2802990000	2807290000	3047230000	3502400000	3001480000	10
alpha-BHC	3356530000	3271880000	3230400000	3397090000	3701950000	3391570000	5
alpha-Chlordane	2486640000	2469090000	2489960000	2701720000	3093310000	2648140000	10
beta-BHC	1343260000	1339050000	1368530000	1491800000	1684660000	1445460000	10
Decachlorobiphenyl	1738840000	1756630000	1819720000	1998760000	2308800000	1924550000	12
delta-BHC	3067660000	2980040000	2949010000	3119670000	3533000000	3129870000	8
Dieldrin	2486930000	2456960000	2476030000	2679410000	3078050000	2635480000	10
Endosulfan I	2320690000	2313950000	2348370000	2546170000	2977620000	2501360000	11
Endosulfan II	2159880000	2160930000	2205230000	2449960000	2943170000	2383830000	14
Endosulfan sulfate	1974140000	1979440000	2024740000	2239840000	2633550000	2170340000	13
Endrin	2111540000	2103000000	2121260000	2324460000	2723040000	2276660000	12
Endrin aldehyde	1712300000	1718280000	1758160000	1955910000	2245210000	1877970000	12
Endrin ketone	2253830000	2246660000	2273910000	2471090000	2868570000	2422810000	11
gamma-BHC (Lindane)	3198960000	3133030000	3104430000	3278360000	3583040000	3259560000	6
gamma-Chlordane	2496700000	2477960000	2491940000	2703470000	3133120000	2660640000	11
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: CHEM02

Lab Code: CHEM **Case No.:** P4495 **SAS No.:** P4495 **SDG NO.:** P4495

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
4,4'-DDD	2614880000	2506250000	2443430000	2489210000	2396540000	2490060000	3
4,4'-DDE	3334990000	3225880000	3154950000	3209960000	3182260000	3221610000	2
4,4'-DDT	2797500000	2713050000	2637310000	2653690000	2609750000	2682260000	3
Aldrin	3840860000	3705070000	3619180000	3619340000	3516600000	3660210000	3
alpha-BHC	4282500000	4089170000	3973860000	3934480000	3670850000	3990170000	6
alpha-Chlordane	3409310000	3303380000	3254510000	3329310000	3333630000	3326030000	2
beta-BHC	1625150000	1594840000	1591160000	1661990000	1758110000	1646250000	4
Decachlorobiphenyl	2606810000	2575500000	2605540000	2793460000	3064890000	2729240000	8
delta-BHC	4088000000	3924730000	3802680000	3782230000	3618150000	3843150000	5
Dieldrin	3483370000	3364390000	3290100000	3303460000	3260200000	3340300000	3
Endosulfan I	3111480000	3032780000	2993580000	3072340000	3055530000	3053140000	1
Endosulfan II	2881520000	2813750000	2779930000	2861240000	2829950000	2833280000	1
Endosulfan sulfate	2707530000	2646200000	2623690000	2712350000	2794620000	2696880000	2
Endrin	2969490000	2878380000	2828080000	2876210000	2912860000	2893010000	2
Endrin aldehyde	2273700000	2244250000	2230130000	2333460000	2454860000	2307280000	4
Endrin ketone	3089790000	3023040000	3013060000	3097240000	3120850000	3068800000	2
gamma-BHC (Lindane)	4083950000	3934430000	3833920000	3828430000	3616530000	3859450000	4
gamma-Chlordane	3470230000	3355710000	3294030000	3342020000	3346470000	3361690000	2
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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CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM **Case No.:** P4495 **SAS No.:** P4495 **SDG NO.:** P4495

Continuing Calib Date: 10/25/2024 **Initial Calibration Date(s):** 10/21/2024 10/21/2024

Continuing Calib Time: 15:49 **Initial Calibration Time(s):** 13:00 13:53

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.06	9.06	8.96	9.16	0.00
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	0.00
alpha-BHC	4.00	3.99	3.89	4.09	-0.01
beta-BHC	4.53	4.52	4.42	4.62	-0.01
delta-BHC	4.77	4.77	4.67	4.87	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
Aldrin	5.26	5.26	5.16	5.36	0.00
Heptachlor epoxide	5.69	5.68	5.58	5.78	0.00
Endosulfan I	6.07	6.07	5.97	6.17	0.00
Dieldrin	6.35	6.35	6.25	6.45	0.00
4,4'-DDE	6.19	6.19	6.09	6.29	0.00
Endrin	6.58	6.57	6.47	6.67	-0.01
Endosulfan II	6.80	6.79	6.69	6.89	-0.01
4,4'-DDD	6.71	6.71	6.61	6.81	0.00
Endosulfan sulfate	7.16	7.16	7.06	7.26	0.00
4,4'-DDT	7.03	7.02	6.92	7.12	-0.01
Methoxychlor	7.50	7.50	7.40	7.60	0.00
Endrin ketone	7.65	7.64	7.54	7.74	-0.01
Endrin aldehyde	6.93	6.92	6.82	7.02	-0.01
alpha-Chlordane	6.02	6.02	5.92	6.12	0.00
gamma-Chlordane	5.94	5.94	5.84	6.04	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM **Case No.:** P4495 **SAS No.:** P4495 **SDG NO.:** P4495

Continuing Calib Date: 10/25/2024 **Initial Calibration Date(s):** 10/21/2024 10/21/2024

Continuing Calib Time: 15:49 **Initial Calibration Time(s):** 13:00 13:53

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
alpha-BHC	3.28	3.28	3.18	3.38	0.00
beta-BHC	3.91	3.91	3.81	4.01	0.00
delta-BHC	4.14	4.14	4.04	4.24	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
Aldrin	4.23	4.23	4.13	4.33	0.00
Heptachlor epoxide	4.73	4.73	4.63	4.83	0.00
Endosulfan I	5.10	5.10	5.00	5.20	0.00
Dieldrin	5.37	5.37	5.27	5.47	0.00
4,4'-DDE	5.24	5.23	5.13	5.33	-0.01
Endrin	5.64	5.64	5.54	5.74	0.00
Endosulfan II	5.94	5.94	5.84	6.04	0.00
4,4'-DDD	5.79	5.79	5.69	5.89	0.00
Endosulfan sulfate	6.34	6.34	6.24	6.44	0.00
4,4'-DDT	6.04	6.04	5.94	6.14	0.00
Methoxychlor	6.62	6.62	6.52	6.72	0.00
Endrin ketone	6.84	6.84	6.74	6.94	0.00
Endrin aldehyde	6.12	6.12	6.02	6.22	0.00
alpha-Chlordane	5.05	5.05	4.95	5.15	0.00
gamma-Chlordane	4.98	4.98	4.88	5.08	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM **Case No.:** P4495 **SAS No.:** P4495 **SDG NO.:** P4495

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/21/2024 10/21/2024

Client Sample No.: CCAL01 **Date Analyzed:** 10/25/2024

Lab Sample No.: PSTDCCC050 **Data File :** PL092639.D **Time Analyzed:** 15:49

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.712	6.610	6.810	45.080	50.000	-9.8
4,4'-DDE	6.194	6.092	6.292	43.730	50.000	-12.5
4,4'-DDT	7.026	6.924	7.124	45.250	50.000	-9.5
Aldrin	5.259	5.157	5.357	44.540	50.000	-10.9
alpha-BHC	3.997	3.894	4.094	46.730	50.000	-6.5
alpha-Chlordane	6.021	5.918	6.118	44.250	50.000	-11.5
beta-BHC	4.527	4.424	4.624	51.520	50.000	3.0
Decachlorobiphenyl	9.057	8.955	9.155	51.240	50.000	2.5
delta-BHC	4.774	4.671	4.871	46.780	50.000	-6.4
Dieldrin	6.347	6.245	6.445	44.060	50.000	-11.9
Endosulfan I	6.071	5.969	6.169	44.900	50.000	-10.2
Endosulfan II	6.796	6.694	6.894	44.130	50.000	-11.7
Endosulfan sulfate	7.161	7.059	7.259	46.110	50.000	-7.8
Endrin	6.577	6.474	6.674	43.260	50.000	-13.5
Endrin aldehyde	6.926	6.824	7.024	47.780	50.000	-4.4
Endrin ketone	7.646	7.544	7.744	47.870	50.000	-4.3
gamma-BHC (Lindane)	4.330	4.227	4.427	47.880	50.000	-4.2
gamma-Chlordane	5.942	5.839	6.039	44.330	50.000	-11.3
Heptachlor	4.917	4.815	5.015	46.560	50.000	-6.9
Heptachlor epoxide	5.685	5.583	5.783	45.530	50.000	-8.9
Methoxychlor	7.501	7.400	7.600	51.890	50.000	3.8
Tetrachloro-m-xylene	3.541	3.438	3.638	50.750	50.000	1.5

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CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM **Case No.:** P4495 **SAS No.:** P4495 **SDG NO.:** P4495

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/21/2024 10/21/2024

Client Sample No.: CCAL01 **Date Analyzed:** 10/25/2024

Lab Sample No.: PSTDCCC050 **Data File :** PL092639.D **Time Analyzed:** 15:49

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.790	5.689	5.889	53.200	50.000	6.4
4,4'-DDE	5.236	5.134	5.334	54.690	50.000	9.4
4,4'-DDT	6.042	5.940	6.140	52.500	50.000	5.0
Aldrin	4.231	4.129	4.329	54.250	50.000	8.5
alpha-BHC	3.282	3.180	3.380	55.250	50.000	10.5
alpha-Chlordane	5.047	4.945	5.145	53.760	50.000	7.5
beta-BHC	3.912	3.810	4.010	54.050	50.000	8.1
Decachlorobiphenyl	7.918	7.817	8.017	58.290	50.000	16.6
delta-BHC	4.141	4.038	4.238	54.080	50.000	8.2
Dieldrin	5.368	5.266	5.466	53.240	50.000	6.5
Endosulfan I	5.103	5.001	5.201	54.670	50.000	9.3
Endosulfan II	5.937	5.836	6.036	52.390	50.000	4.8
Endosulfan sulfate	6.340	6.238	6.438	51.960	50.000	3.9
Endrin	5.643	5.541	5.741	53.930	50.000	7.9
Endrin aldehyde	6.118	6.016	6.216	53.070	50.000	6.1
Endrin ketone	6.844	6.744	6.944	55.890	50.000	11.8
gamma-BHC (Lindane)	3.612	3.510	3.710	55.850	50.000	11.7
gamma-Chlordane	4.984	4.881	5.081	52.600	50.000	5.2
Heptachlor	3.951	3.849	4.049	54.990	50.000	10.0
Heptachlor epoxide	4.734	4.631	4.831	54.980	50.000	10.0
Methoxychlor	6.617	6.515	6.715	57.220	50.000	14.4
Tetrachloro-m-xylene	2.779	2.677	2.877	56.350	50.000	12.7

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CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM **Case No.:** P4495 **SAS No.:** P4495 **SDG NO.:** P4495

Continuing Calib Date: 10/25/2024 **Initial Calibration Date(s):** 10/21/2024 10/21/2024

Continuing Calib Time: 19:49 **Initial Calibration Time(s):** 13:00 13:53

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.06	9.06	8.96	9.16	0.00
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	0.00
alpha-BHC	4.00	3.99	3.89	4.09	-0.01
beta-BHC	4.53	4.52	4.42	4.62	-0.01
delta-BHC	4.77	4.77	4.67	4.87	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
Aldrin	5.26	5.26	5.16	5.36	0.00
Heptachlor epoxide	5.69	5.68	5.58	5.78	-0.01
Endosulfan I	6.07	6.07	5.97	6.17	0.00
Dieldrin	6.35	6.35	6.25	6.45	0.00
4,4'-DDE	6.19	6.19	6.09	6.29	0.00
Endrin	6.58	6.57	6.47	6.67	-0.01
Endosulfan II	6.80	6.79	6.69	6.89	-0.01
4,4'-DDD	6.71	6.71	6.61	6.81	0.00
Endosulfan sulfate	7.16	7.16	7.06	7.26	0.00
4,4'-DDT	7.03	7.02	6.92	7.12	-0.01
Methoxychlor	7.50	7.50	7.40	7.60	0.00
Endrin ketone	7.65	7.64	7.54	7.74	0.00
Endrin aldehyde	6.93	6.92	6.82	7.02	-0.01
alpha-Chlordane	6.02	6.02	5.92	6.12	0.00
gamma-Chlordane	5.94	5.94	5.84	6.04	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM **Case No.:** P4495 **SAS No.:** P4495 **SDG NO.:** P4495

Continuing Calib Date: 10/25/2024 **Initial Calibration Date(s):** 10/21/2024 10/21/2024

Continuing Calib Time: 19:49 **Initial Calibration Time(s):** 13:00 13:53

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
alpha-BHC	3.28	3.28	3.18	3.38	0.00
beta-BHC	3.91	3.91	3.81	4.01	0.00
delta-BHC	4.14	4.14	4.04	4.24	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
Aldrin	4.23	4.23	4.13	4.33	0.00
Heptachlor epoxide	4.73	4.73	4.63	4.83	0.00
Endosulfan I	5.10	5.10	5.00	5.20	0.00
Dieldrin	5.37	5.37	5.27	5.47	0.00
4,4'-DDE	5.24	5.23	5.13	5.33	-0.01
Endrin	5.64	5.64	5.54	5.74	0.00
Endosulfan II	5.94	5.94	5.84	6.04	0.00
4,4'-DDD	5.79	5.79	5.69	5.89	0.00
Endosulfan sulfate	6.34	6.34	6.24	6.44	0.00
4,4'-DDT	6.04	6.04	5.94	6.14	0.00
Methoxychlor	6.62	6.62	6.52	6.72	0.00
Endrin ketone	6.84	6.84	6.74	6.94	0.00
Endrin aldehyde	6.12	6.12	6.02	6.22	0.00
alpha-Chlordane	5.05	5.05	4.95	5.15	0.00
gamma-Chlordane	4.98	4.98	4.88	5.08	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM **Case No.:** P4495 **SAS No.:** P4495 **SDG NO.:** P4495

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/21/2024 10/21/2024

Client Sample No.: CCAL02 **Date Analyzed:** 10/25/2024

Lab Sample No.: PSTDCCC050 **Data File :** PL092650.D **Time Analyzed:** 19:49

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.712	6.610	6.810	44.010	50.000	-12.0
4,4'-DDE	6.194	6.092	6.292	42.640	50.000	-14.7
4,4'-DDT	7.026	6.924	7.124	43.180	50.000	-13.6
Aldrin	5.259	5.157	5.357	43.070	50.000	-13.9
alpha-BHC	3.997	3.894	4.094	45.620	50.000	-8.8
alpha-Chlordane	6.022	5.918	6.118	42.360	50.000	-15.3
beta-BHC	4.527	4.424	4.624	50.200	50.000	0.4
Decachlorobiphenyl	9.058	8.955	9.155	49.750	50.000	-0.5
delta-BHC	4.774	4.671	4.871	45.630	50.000	-8.7
Dieldrin	6.347	6.245	6.445	42.770	50.000	-14.5
Endosulfan I	6.072	5.969	6.169	43.010	50.000	-14.0
Endosulfan II	6.796	6.694	6.894	42.720	50.000	-14.6
Endosulfan sulfate	7.160	7.059	7.259	44.580	50.000	-10.8
Endrin	6.577	6.474	6.674	41.530	50.000	-16.9
Endrin aldehyde	6.926	6.824	7.024	46.460	50.000	-7.1
Endrin ketone	7.645	7.544	7.744	46.460	50.000	-7.1
gamma-BHC (Lindane)	4.330	4.227	4.427	46.750	50.000	-6.5
gamma-Chlordane	5.942	5.839	6.039	42.060	50.000	-15.9
Heptachlor	4.918	4.815	5.015	45.090	50.000	-9.8
Heptachlor epoxide	5.686	5.583	5.783	43.960	50.000	-12.1
Methoxychlor	7.501	7.400	7.600	49.670	50.000	-0.7
Tetrachloro-m-xylene	3.541	3.438	3.638	49.590	50.000	-0.8

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CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM **Case No.:** P4495 **SAS No.:** P4495 **SDG NO.:** P4495

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/21/2024 10/21/2024

Client Sample No.: CCAL02 **Date Analyzed:** 10/25/2024

Lab Sample No.: PSTDCCC050 **Data File :** PL092650.D **Time Analyzed:** 19:49

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.791	5.689	5.889	52.160	50.000	4.3
4,4'-DDE	5.236	5.134	5.334	52.950	50.000	5.9
4,4'-DDT	6.041	5.940	6.140	49.480	50.000	-1.0
Aldrin	4.231	4.129	4.329	53.310	50.000	6.6
alpha-BHC	3.282	3.180	3.380	53.910	50.000	7.8
alpha-Chlordane	5.048	4.945	5.145	52.920	50.000	5.8
beta-BHC	3.912	3.810	4.010	53.160	50.000	6.3
Decachlorobiphenyl	7.918	7.817	8.017	54.870	50.000	9.7
delta-BHC	4.141	4.038	4.238	53.140	50.000	6.3
Dieldrin	5.368	5.266	5.466	51.770	50.000	3.5
Endosulfan I	5.104	5.001	5.201	53.580	50.000	7.2
Endosulfan II	5.937	5.836	6.036	50.460	50.000	0.9
Endosulfan sulfate	6.340	6.238	6.438	49.980	50.000	0.0
Endrin	5.644	5.541	5.741	51.490	50.000	3.0
Endrin aldehyde	6.117	6.016	6.216	51.170	50.000	2.3
Endrin ketone	6.844	6.744	6.944	53.810	50.000	7.6
gamma-BHC (Lindane)	3.612	3.510	3.710	54.770	50.000	9.5
gamma-Chlordane	4.984	4.881	5.081	52.070	50.000	4.1
Heptachlor	3.951	3.849	4.049	53.610	50.000	7.2
Heptachlor epoxide	4.734	4.631	4.831	54.180	50.000	8.4
Methoxychlor	6.617	6.515	6.715	53.570	50.000	7.1
Tetrachloro-m-xylene	2.779	2.677	2.877	55.300	50.000	10.6

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CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM **Case No.:** P4495 **SAS No.:** P4495 **SDG NO.:** P4495

Continuing Calib Date: 11/04/2024 **Initial Calibration Date(s):** 10/28/2024 10/28/2024

Continuing Calib Time: 09:09 **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	3.55	3.54	3.44	3.64	-0.01
alpha-BHC	4.00	4.00	3.90	4.10	0.00
beta-BHC	4.53	4.53	4.43	4.63	0.00
delta-BHC	4.78	4.77	4.67	4.87	-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
Aldrin	5.27	5.26	5.16	5.36	0.00
Heptachlor epoxide	5.69	5.68	5.58	5.78	-0.01
Endosulfan I	6.08	6.07	5.97	6.17	-0.01
Dieldrin	6.35	6.35	6.25	6.45	0.00
4,4'-DDE	6.20	6.19	6.09	6.29	-0.01
Endrin	6.58	6.57	6.47	6.67	-0.01
Endosulfan II	6.80	6.79	6.69	6.89	-0.01
4,4'-DDD	6.72	6.71	6.61	6.81	-0.01
Endosulfan sulfate	7.17	7.16	7.06	7.26	0.00
4,4'-DDT	7.03	7.02	6.92	7.12	-0.01
Methoxychlor	7.51	7.50	7.40	7.60	-0.01
Endrin ketone	7.65	7.64	7.54	7.74	-0.01
Endrin aldehyde	6.93	6.92	6.82	7.02	-0.01
alpha-Chlordane	6.03	6.02	5.92	6.12	-0.01
gamma-Chlordane	5.95	5.94	5.84	6.04	-0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM **Case No.:** P4495 **SAS No.:** P4495 **SDG NO.:** P4495

Continuing Calib Date: 11/04/2024 **Initial Calibration Date(s):** 10/28/2024 10/28/2024

Continuing Calib Time: 09:09 **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
alpha-BHC	3.28	3.28	3.18	3.38	0.00
beta-BHC	3.91	3.91	3.81	4.01	0.00
delta-BHC	4.14	4.14	4.04	4.24	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
Aldrin	4.23	4.23	4.13	4.33	0.00
Heptachlor epoxide	4.73	4.73	4.63	4.83	0.00
Endosulfan I	5.10	5.10	5.00	5.20	0.00
Dieldrin	5.37	5.37	5.27	5.47	0.00
4,4'-DDE	5.24	5.24	5.14	5.34	0.00
Endrin	5.64	5.64	5.54	5.74	0.00
Endosulfan II	5.94	5.94	5.84	6.04	0.00
4,4'-DDD	5.79	5.79	5.69	5.89	0.00
Endosulfan sulfate	6.34	6.34	6.24	6.44	0.00
4,4'-DDT	6.04	6.04	5.94	6.14	0.00
Methoxychlor	6.62	6.62	6.52	6.72	0.00
Endrin ketone	6.85	6.84	6.74	6.94	0.00
Endrin aldehyde	6.12	6.12	6.02	6.22	0.00
alpha-Chlordane	5.05	5.05	4.95	5.15	0.00
gamma-Chlordane	4.98	4.98	4.88	5.08	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM **Case No.:** P4495 **SAS No.:** P4495 **SDG NO.:** P4495

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

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

Lab Sample No.: PSTDCCC050 **Data File :** PL092817.D **Time Analyzed:** 09:09

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.716	6.610	6.810	48.080	50.000	-3.8
4,4'-DDE	6.199	6.093	6.293	47.590	50.000	-4.8
4,4'-DDT	7.030	6.923	7.123	46.150	50.000	-7.7
Aldrin	5.265	5.158	5.358	48.280	50.000	-3.4
alpha-BHC	4.003	3.896	4.096	49.340	50.000	-1.3
alpha-Chlordane	6.026	5.919	6.119	47.760	50.000	-4.5
beta-BHC	4.532	4.425	4.625	48.750	50.000	-2.5
Decachlorobiphenyl	9.061	8.954	9.154	47.130	50.000	-5.7
delta-BHC	4.780	4.672	4.872	48.710	50.000	-2.6
Dieldrin	6.351	6.245	6.445	46.950	50.000	-6.1
Endosulfan I	6.076	5.970	6.170	47.320	50.000	-5.4
Endosulfan II	6.800	6.694	6.894	46.160	50.000	-7.7
Endosulfan sulfate	7.165	7.058	7.258	46.480	50.000	-7.0
Endrin	6.581	6.474	6.674	45.470	50.000	-9.1
Endrin aldehyde	6.930	6.824	7.024	46.310	50.000	-7.4
Endrin ketone	7.649	7.543	7.743	46.020	50.000	-8.0
gamma-BHC (Lindane)	4.335	4.228	4.428	49.020	50.000	-2.0
gamma-Chlordane	5.947	5.841	6.041	47.700	50.000	-4.6
Heptachlor	4.923	4.817	5.017	47.590	50.000	-4.8
Heptachlor epoxide	5.691	5.584	5.784	47.660	50.000	-4.7
Methoxychlor	7.505	7.399	7.599	46.150	50.000	-7.7
Tetrachloro-m-xylene	3.547	3.440	3.640	49.530	50.000	-0.9

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CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM **Case No.:** P4495 **SAS No.:** P4495 **SDG NO.:** P4495

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

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

Lab Sample No.: PSTDCCC050 **Data File :** PL092817.D **Time Analyzed:** 09:09

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.791	5.689	5.889	53.140	50.000	6.3
4,4'-DDE	5.236	5.135	5.335	52.480	50.000	5.0
4,4'-DDT	6.041	5.940	6.140	50.720	50.000	1.4
Aldrin	4.231	4.129	4.329	53.260	50.000	6.5
alpha-BHC	3.282	3.181	3.381	53.250	50.000	6.5
alpha-Chlordane	5.048	4.945	5.145	52.350	50.000	4.7
beta-BHC	3.912	3.810	4.010	51.870	50.000	3.7
Decachlorobiphenyl	7.918	7.816	8.016	48.500	50.000	-3.0
delta-BHC	4.141	4.039	4.239	52.700	50.000	5.4
Dieldrin	5.368	5.266	5.466	53.190	50.000	6.4
Endosulfan I	5.104	5.002	5.202	52.400	50.000	4.8
Endosulfan II	5.938	5.836	6.036	52.790	50.000	5.6
Endosulfan sulfate	6.340	6.238	6.438	50.980	50.000	2.0
Endrin	5.643	5.541	5.741	52.510	50.000	5.0
Endrin aldehyde	6.117	6.015	6.215	50.930	50.000	1.9
Endrin ketone	6.845	6.743	6.943	51.500	50.000	3.0
gamma-BHC (Lindane)	3.612	3.511	3.711	53.130	50.000	6.3
gamma-Chlordane	4.984	4.882	5.082	52.800	50.000	5.6
Heptachlor	3.952	3.849	4.049	51.750	50.000	3.5
Heptachlor epoxide	4.734	4.632	4.832	52.600	50.000	5.2
Methoxychlor	6.616	6.515	6.715	46.910	50.000	-6.2
Tetrachloro-m-xylene	2.779	2.678	2.878	52.180	50.000	4.4

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CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM **Case No.:** P4495 **SAS No.:** P4495 **SDG NO.:** P4495

Continuing Calib Date: 11/04/2024 **Initial Calibration Date(s):** 10/28/2024 10/28/2024

Continuing Calib Time: 18:11 **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
alpha-BHC	4.00	4.00	3.90	4.10	0.00
beta-BHC	4.53	4.53	4.43	4.63	0.00
delta-BHC	4.78	4.77	4.67	4.87	-0.01
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.92	4.92	4.82	5.02	0.00
Aldrin	5.26	5.26	5.16	5.36	0.00
Heptachlor epoxide	5.69	5.68	5.58	5.78	-0.01
Endosulfan I	6.07	6.07	5.97	6.17	0.00
Dieldrin	6.35	6.35	6.25	6.45	0.00
4,4'-DDE	6.19	6.19	6.09	6.29	0.00
Endrin	6.58	6.57	6.47	6.67	-0.01
Endosulfan II	6.80	6.79	6.69	6.89	-0.01
4,4'-DDD	6.71	6.71	6.61	6.81	0.00
Endosulfan sulfate	7.16	7.16	7.06	7.26	0.00
4,4'-DDT	7.03	7.02	6.92	7.12	-0.01
Methoxychlor	7.50	7.50	7.40	7.60	0.00
Endrin ketone	7.65	7.64	7.54	7.74	0.00
Endrin aldehyde	6.93	6.92	6.82	7.02	-0.01
alpha-Chlordane	6.02	6.02	5.92	6.12	0.00
gamma-Chlordane	5.94	5.94	5.84	6.04	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM **Case No.:** P4495 **SAS No.:** P4495 **SDG NO.:** P4495

Continuing Calib Date: 11/04/2024 **Initial Calibration Date(s):** 10/28/2024 10/28/2024

Continuing Calib Time: 18:11 **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
alpha-BHC	3.28	3.28	3.18	3.38	0.00
beta-BHC	3.91	3.91	3.81	4.01	0.00
delta-BHC	4.14	4.14	4.04	4.24	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
Aldrin	4.23	4.23	4.13	4.33	0.00
Heptachlor epoxide	4.73	4.73	4.63	4.83	0.00
Endosulfan I	5.10	5.10	5.00	5.20	0.00
Dieldrin	5.37	5.37	5.27	5.47	0.00
4,4'-DDE	5.24	5.24	5.14	5.34	0.00
Endrin	5.64	5.64	5.54	5.74	0.00
Endosulfan II	5.94	5.94	5.84	6.04	0.00
4,4'-DDD	5.79	5.79	5.69	5.89	0.00
Endosulfan sulfate	6.34	6.34	6.24	6.44	0.00
4,4'-DDT	6.04	6.04	5.94	6.14	0.00
Methoxychlor	6.62	6.62	6.52	6.72	0.01
Endrin ketone	6.84	6.84	6.74	6.94	0.00
Endrin aldehyde	6.12	6.12	6.02	6.22	0.00
alpha-Chlordane	5.05	5.05	4.95	5.15	0.00
gamma-Chlordane	4.98	4.98	4.88	5.08	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM **Case No.:** P4495 **SAS No.:** P4495 **SDG NO.:** P4495

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

Client Sample No.: CCAL04 **Date Analyzed:** 11/04/2024

Lab Sample No.: PSTDCCC050 **Data File :** PL092839.D **Time Analyzed:** 18:11

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.711	6.610	6.810	50.970	50.000	1.9
4,4'-DDE	6.194	6.093	6.293	49.480	50.000	-1.0
4,4'-DDT	7.026	6.923	7.123	45.210	50.000	-9.6
Aldrin	5.260	5.158	5.358	49.590	50.000	-0.8
alpha-BHC	3.998	3.896	4.096	51.240	50.000	2.5
alpha-Chlordane	6.021	5.919	6.119	49.160	50.000	-1.7
beta-BHC	4.528	4.425	4.625	50.710	50.000	1.4
Decachlorobiphenyl	9.056	8.954	9.154	48.380	50.000	-3.2
delta-BHC	4.775	4.672	4.872	50.640	50.000	1.3
Dieldrin	6.346	6.245	6.445	48.600	50.000	-2.8
Endosulfan I	6.072	5.970	6.170	48.830	50.000	-2.3
Endosulfan II	6.795	6.694	6.894	46.990	50.000	-6.0
Endosulfan sulfate	7.160	7.058	7.258	47.390	50.000	-5.2
Endrin	6.576	6.474	6.674	46.360	50.000	-7.3
Endrin aldehyde	6.926	6.824	7.024	47.830	50.000	-4.3
Endrin ketone	7.645	7.543	7.743	48.350	50.000	-3.3
gamma-BHC (Lindane)	4.330	4.228	4.428	50.830	50.000	1.7
gamma-Chlordane	5.942	5.841	6.041	49.270	50.000	-1.5
Heptachlor	4.919	4.817	5.017	49.200	50.000	-1.6
Heptachlor epoxide	5.686	5.584	5.784	48.950	50.000	-2.1
Methoxychlor	7.501	7.399	7.599	45.600	50.000	-8.8
Tetrachloro-m-xylene	3.542	3.440	3.640	50.840	50.000	1.7

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

CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM **Case No.:** P4495 **SAS No.:** P4495 **SDG NO.:** P4495

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

Client Sample No.: CCAL04 **Date Analyzed:** 11/04/2024

Lab Sample No.: PSTDCCC050 **Data File :** PL092839.D **Time Analyzed:** 18:11

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.790	5.689	5.889	58.060	50.000	16.1
4,4'-DDE	5.235	5.135	5.335	55.730	50.000	11.5
4,4'-DDT	6.040	5.940	6.140	50.810	50.000	1.6
Aldrin	4.230	4.129	4.329	56.250	50.000	12.5
alpha-BHC	3.281	3.181	3.381	56.490	50.000	13.0
alpha-Chlordane	5.046	4.945	5.145	55.430	50.000	10.9
beta-BHC	3.911	3.810	4.010	54.720	50.000	9.4
Decachlorobiphenyl	7.917	7.816	8.016	49.000	50.000	-2.0
delta-BHC	4.140	4.039	4.239	56.170	50.000	12.3
Dieldrin	5.366	5.266	5.466	55.840	50.000	11.7
Endosulfan I	5.102	5.002	5.202	55.360	50.000	10.7
Endosulfan II	5.936	5.836	6.036	54.510	50.000	9.0
Endosulfan sulfate	6.338	6.238	6.438	53.770	50.000	7.5
Endrin	5.642	5.541	5.741	54.280	50.000	8.6
Endrin aldehyde	6.116	6.015	6.215	53.210	50.000	6.4
Endrin ketone	6.844	6.743	6.943	54.600	50.000	9.2
gamma-BHC (Lindane)	3.611	3.511	3.711	56.260	50.000	12.5
gamma-Chlordane	4.982	4.882	5.082	55.530	50.000	11.1
Heptachlor	3.950	3.849	4.049	54.880	50.000	9.8
Heptachlor epoxide	4.732	4.632	4.832	55.470	50.000	10.9
Methoxychlor	6.615	6.515	6.715	49.110	50.000	-1.8
Tetrachloro-m-xylene	2.779	2.678	2.878	54.940	50.000	9.9

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PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM **Case No.:** P4495 **SAS No.:** P4495 **SDG NO.:** P4495

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/21/2024 10/21/2024

Client Sample No. (PEM): PEM - PL092495.D **Date Analyzed:** 10/21/2024

Lab Sample No.(PEM): PEM **Time Analyzed:** 12:33

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.056	8.960	9.160	19.690	20.000	-1.6
Tetrachloro-m-xylene	3.539	3.490	3.590	19.690	20.000	-1.6
alpha-BHC	3.995	3.940	4.050	10.390	10.000	3.9
beta-BHC	4.525	4.470	4.580	9.750	10.000	-2.5
gamma-BHC (Lindane)	4.327	4.280	4.380	9.890	10.000	-1.1
Endrin	6.575	6.500	6.650	44.220	50.000	-11.6
4,4'-DDT	7.025	6.950	7.100	91.010	100.000	-9.0
Methoxychlor	7.501	7.430	7.570	222.860	250.000	-10.9

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/21/2024 10/21/2024

Client Sample No. (PEM): PEM - PL092495.D **Date Analyzed:** 10/21/2024

Lab Sample No.(PEM): PEM **Time Analyzed:** 12:33

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	7.918	7.820	8.020	19.360	20.000	-3.2
Tetrachloro-m-xylene	2.777	2.730	2.830	19.090	20.000	-4.6
alpha-BHC	3.280	3.230	3.330	9.580	10.000	-4.2
beta-BHC	3.910	3.860	3.960	11.410	10.000	14.1
gamma-BHC (Lindane)	3.610	3.560	3.660	9.570	10.000	-4.3
Endrin	5.642	5.570	5.710	45.220	50.000	-9.6
4,4'-DDT	6.041	5.970	6.110	97.030	100.000	-3.0
Methoxychlor	6.616	6.550	6.690	226.150	250.000	-9.5

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

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM **Case No.:** P4495 **SAS No.:** P4495 **SDG NO.:** P4495

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/21/2024 10/21/2024

Client Sample No. (PEM): PEM - PL092638.D **Date Analyzed:** 10/25/2024

Lab Sample No.(PEM): PEM **Time Analyzed:** 15:22

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.059	8.960	9.160	19.520	20.000	-2.4
Tetrachloro-m-xylene	3.542	3.490	3.590	18.900	20.000	-5.5
alpha-BHC	3.998	3.950	4.050	8.890	10.000	-11.1
beta-BHC	4.528	4.480	4.580	10.650	10.000	6.5
gamma-BHC (Lindane)	4.330	4.280	4.380	8.960	10.000	-10.4
Endrin	6.576	6.510	6.650	36.770	50.000	-26.5
4,4'-DDT	7.027	6.960	7.100	77.380	100.000	-22.6
Methoxychlor	7.503	7.430	7.570	208.950	250.000	-16.4

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/21/2024 10/21/2024

Client Sample No. (PEM): PEM - PL092638.D **Date Analyzed:** 10/25/2024

Lab Sample No.(PEM): PEM **Time Analyzed:** 15:22

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	7.919	7.820	8.020	21.610	20.000	8.1
Tetrachloro-m-xylene	2.781	2.730	2.830	19.830	20.000	-0.9
alpha-BHC	3.283	3.230	3.330	9.010	10.000	-9.9
beta-BHC	3.913	3.860	3.960	10.290	10.000	2.9
gamma-BHC (Lindane)	3.613	3.560	3.660	8.840	10.000	-11.6
Endrin	5.644	5.570	5.710	44.220	50.000	-11.6
4,4'-DDT	6.042	5.970	6.110	99.500	100.000	-0.5
Methoxychlor	6.617	6.550	6.690	246.500	250.000	-1.4

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PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM **Case No.:** P4495 **SAS No.:** P4495 **SDG NO.:** P4495

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: CHEM02

Lab Code: CHEM **Case No.:** P4495 **SAS No.:** P4495 **SDG NO.:** P4495

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

Client Sample No. (PEM): PEM - PL092816.D **Date Analyzed:** 11/04/2024

Lab Sample No.(PEM): PEM **Time Analyzed:** 08:48

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.056	8.960	9.160	20.030	20.000	0.2
Tetrachloro-m-xylene	3.542	3.490	3.590	20.980	20.000	4.9
alpha-BHC	3.997	3.950	4.050	10.770	10.000	7.7
beta-BHC	4.527	4.480	4.580	11.200	10.000	12.0
gamma-BHC (Lindane)	4.330	4.280	4.380	10.570	10.000	5.7
Endrin	6.576	6.510	6.650	41.750	50.000	-16.5
4,4'-DDT	7.026	6.960	7.100	86.870	100.000	-13.1
Methoxychlor	7.502	7.430	7.570	198.210	250.000	-20.7

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

Client Sample No. (PEM): PEM - PL092816.D **Date Analyzed:** 11/04/2024

Lab Sample No.(PEM): PEM **Time Analyzed:** 08:48

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	7.915	7.810	8.020	19.240	20.000	-3.8
Tetrachloro-m-xylene	2.779	2.730	2.830	20.900	20.000	4.5
alpha-BHC	3.281	3.230	3.330	9.890	10.000	-1.1
beta-BHC	3.911	3.860	3.960	11.070	10.000	10.7
gamma-BHC (Lindane)	3.611	3.560	3.660	9.580	10.000	-4.2
Endrin	5.642	5.570	5.710	49.110	50.000	-1.8
4,4'-DDT	6.040	5.970	6.110	104.550	100.000	4.6
Methoxychlor	6.615	6.540	6.690	217.570	250.000	-13.0

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Analytical Sequence

Client: Chemtech Consulting Group **SDG No.:** P4495

Project: NJ Soil PT **Instrument ID:** ECD_L

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 10/21/2024 10/21/2024

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	10/21/2024	12:19	PL092494.D	9.06	3.54
PEM	PEM	10/21/2024	12:33	PL092495.D	9.06	3.54
RESCHK	RESCHK	10/21/2024	12:46	PL092496.D	9.06	3.54
PSTDICC100	PSTDICC100	10/21/2024	13:00	PL092497.D	9.06	3.54
PSTDICC075	PSTDICC075	10/21/2024	13:13	PL092498.D	9.06	3.54
PSTDICC050	PSTDICC050	10/21/2024	13:26	PL092499.D	9.06	3.54
PSTDICC025	PSTDICC025	10/21/2024	13:40	PL092500.D	9.05	3.54
PSTDICC005	PSTDICC005	10/21/2024	13:53	PL092501.D	9.06	3.54
PCHLORICC500	PCHLORICC500	10/21/2024	14:33	PL092504.D	9.06	3.54
PTOXICC500	PTOXICC500	10/21/2024	15:40	PL092509.D	9.06	3.54
I.BLK	I.BLK	10/25/2024	15:08	PL092637.D	9.06	3.54
PEM	PEM	10/25/2024	15:22	PL092638.D	9.06	3.54
PSTDCCC050	PSTDCCC050	10/25/2024	15:49	PL092639.D	9.06	3.54
PB164398BL	PB164398BL	10/25/2024	16:46	PL092640.D	9.06	3.55
PB164398BS	PB164398BS	10/25/2024	16:59	PL092641.D	9.06	3.54
BP-F-20MS	P4547-05MS	10/25/2024	18:42	PL092647.D	9.06	3.54
BP-F-20MSD	P4547-05MSD	10/25/2024	18:56	PL092648.D	9.06	3.54
I.BLK	I.BLK	10/25/2024	19:09	PL092649.D	9.06	3.54
PSTDCCC050	PSTDCCC050	10/25/2024	19:49	PL092650.D	9.06	3.54
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	11/04/2024	08:34	PL092815.D	9.06	3.54
PEM	PEM	11/04/2024	08:48	PL092816.D	9.06	3.54
PSTDCCC050	PSTDCCC050	11/04/2024	09:09	PL092817.D	9.06	3.55
PT-PEST-SOIL	P4495-20	11/04/2024	11:12	PL092818.D	9.06	3.55
PT-PEST-SOILDL	P4495-20DL	11/04/2024	11:26	PL092819.D	9.06	3.54
PT-PEST-SOILDL2	P4495-20DL2	11/04/2024	11:39	PL092820.D	9.06	3.54
I.BLK	I.BLK	11/04/2024	17:57	PL092838.D	9.06	3.54
PSTDCCC050	PSTDCCC050	11/04/2024	18:11	PL092839.D	9.06	3.54

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Analytical Sequence

Client: Chemtech Consulting Group **SDG No.:** P4495

Project: NJ Soil PT **Instrument ID:** ECD_L

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 10/21/2024 10/21/2024

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	10/21/2024	12:19	PL092494.D	7.92	2.78
PEM	PEM	10/21/2024	12:33	PL092495.D	7.92	2.78
RESCHK	RESCHK	10/21/2024	12:46	PL092496.D	7.92	2.78
PSTDICC100	PSTDICC100	10/21/2024	13:00	PL092497.D	7.92	2.78
PSTDICC075	PSTDICC075	10/21/2024	13:13	PL092498.D	7.92	2.78
PSTDICC050	PSTDICC050	10/21/2024	13:26	PL092499.D	7.92	2.78
PSTDICC025	PSTDICC025	10/21/2024	13:40	PL092500.D	7.92	2.78
PSTDICC005	PSTDICC005	10/21/2024	13:53	PL092501.D	7.92	2.78
PCHLORICC500	PCHLORICC500	10/21/2024	14:33	PL092504.D	7.92	2.78
PTOXICC500	PTOXICC500	10/21/2024	15:40	PL092509.D	7.92	2.78
I.BLK	I.BLK	10/25/2024	15:08	PL092637.D	7.92	2.78
PEM	PEM	10/25/2024	15:22	PL092638.D	7.92	2.78
PSTDCCC050	PSTDCCC050	10/25/2024	15:49	PL092639.D	7.92	2.78
PB164398BL	PB164398BL	10/25/2024	16:46	PL092640.D	7.92	2.78
PB164398BS	PB164398BS	10/25/2024	16:59	PL092641.D	7.92	2.78
BP-F-20MS	P4547-05MS	10/25/2024	18:42	PL092647.D	7.92	2.78
BP-F-20MSD	P4547-05MSD	10/25/2024	18:56	PL092648.D	7.92	2.78
I.BLK	I.BLK	10/25/2024	19:09	PL092649.D	7.92	2.78
PSTDCCC050	PSTDCCC050	10/25/2024	19:49	PL092650.D	7.92	2.78
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	11/04/2024	08:34	PL092815.D	7.92	2.78
PEM	PEM	11/04/2024	08:48	PL092816.D	7.92	2.78
PSTDCCC050	PSTDCCC050	11/04/2024	09:09	PL092817.D	7.92	2.78
PT-PEST-SOIL	P4495-20	11/04/2024	11:12	PL092818.D	7.92	2.78
PT-PEST-SOILDL	P4495-20DL	11/04/2024	11:26	PL092819.D	7.92	2.78
PT-PEST-SOILDL2	P4495-20DL2	11/04/2024	11:39	PL092820.D	7.92	2.78
I.BLK	I.BLK	11/04/2024	17:57	PL092838.D	7.92	2.78
PSTDCCC050	PSTDCCC050	11/04/2024	18:11	PL092839.D	7.92	2.78

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

BP-F-20MS

Contract: CHEM02

Lab Code: CHEM **Case No.:** P4495 **SAS No.:** P4495 **SDG NO.:** P4495

Lab Sample ID: P4547-05MS **Date(s) Analyzed:** 10/25/2024 10/25/2024

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
4,4'-DDD	1	6.71	6.66	6.76	14.9	8.4
	2	5.79	5.74	5.84	16.2	
4,4'-DDT	1	7.03	6.98	7.08	14.8	9
	2	6.04	5.99	6.09	16.2	
alpha-BHC	1	4.00	3.95	4.05	14.9	14.9
	2	3.28	3.23	3.33	17.3	
Aldrin	1	5.26	5.21	5.31	14.4	14.2
	2	4.23	4.18	4.28	16.6	
beta-BHC	1	4.53	4.48	4.58	16.8	5.2
	2	3.91	3.86	3.96	17.7	
alpha-Chlordane	1	6.02	5.97	6.07	14.5	19.9
	2	5.05	5.00	5.10	17.7	
4,4'-DDE	1	6.19	6.14	6.24	14.4	18.9
	2	5.24	5.19	5.29	17.4	
Endosulfan II	1	6.80	6.75	6.85	14.8	9.6
	2	5.94	5.89	5.99	16.3	
Endrin aldehyde	1	6.93	6.88	6.98	14.9	7.7
	2	6.12	6.07	6.17	16.1	
Endosulfan sulfate	1	7.16	7.11	7.21	15.2	5.1
	2	6.34	6.29	6.39	16.0	
Methoxychlor	1	7.50	7.45	7.55	16.7	1.2
	2	6.62	6.57	6.67	16.9	
Endrin ketone	1	7.65	7.60	7.70	15.4	7.5
	2	6.85	6.80	6.90	16.6	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	14.9	13.8
	2	3.61	3.56	3.66	17.1	
Heptachlor	1	4.92	4.87	4.97	15.2	15.8
	2	3.95	3.90	4.00	17.8	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

BP-F-20MS

Contract: CHEM02

Lab Code: CHEM **Case No.:** P4495 **SAS No.:** P4495 **SDG NO.:** P4495

Lab Sample ID: P4547-05MS **Date(s) Analyzed:** 10/25/2024 10/25/2024

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
delta-BHC	1	4.77	4.72	4.82	14.5	12.3
	2	4.14	4.09	4.19	16.4	
Heptachlor epoxide	1	5.69	5.64	5.74	14.5	16.5
	2	4.73	4.68	4.78	17.1	
Endosulfan I	1	6.07	6.02	6.12	14.6	20.3
	2	5.10	5.05	5.15	17.9	
gamma-Chlordane	1	5.94	5.89	5.99	14.5	17
	2	4.98	4.93	5.03	17.2	
Dieldrin	1	6.35	6.30	6.40	14.4	14.2
	2	5.37	5.32	5.42	16.6	
Endrin	1	6.58	6.53	6.63	13.7	16.1
	2	5.64	5.59	5.69	16.1	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

BP-F-20MSD

Contract: CHEM02

Lab Code: CHEM **Case No.:** P4495 **SAS No.:** P4495 **SDG NO.:** P4495

Lab Sample ID: P4547-05MSD **Date(s) Analyzed:** 10/25/2024 10/25/2024

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
Endosulfan II	1	6.80	6.75	6.85	14.5	14.7
	2	5.94	5.89	5.99	16.8	
4,4'-DDD	1	6.71	6.66	6.76	14.7	14.5
	2	5.79	5.74	5.84	17.0	
4,4'-DDT	1	7.03	6.98	7.08	14.9	10.8
	2	6.04	5.99	6.09	16.6	
Endrin aldehyde	1	6.93	6.88	6.98	14.8	8.4
	2	6.12	6.07	6.17	16.1	
Endosulfan sulfate	1	7.16	7.11	7.21	15.0	10.7
	2	6.34	6.29	6.39	16.7	
Methoxychlor	1	7.50	7.45	7.55	16.7	7.5
	2	6.62	6.57	6.67	18.0	
Endrin ketone	1	7.65	7.60	7.70	15.5	8
	2	6.85	6.80	6.90	16.8	
alpha-BHC	1	4.00	3.95	4.05	14.6	16.9
	2	3.28	3.23	3.33	17.3	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	14.7	15.7
	2	3.61	3.56	3.66	17.2	
Heptachlor	1	4.92	4.87	4.97	15.1	17.5
	2	3.95	3.90	4.00	18.0	
Aldrin	1	5.26	5.21	5.31	13.9	18.9
	2	4.23	4.18	4.28	16.8	
beta-BHC	1	4.53	4.48	4.58	16.4	8.7
	2	3.91	3.86	3.96	17.9	
delta-BHC	1	4.77	4.72	4.82	14.4	14.2
	2	4.14	4.09	4.19	16.6	
Heptachlor epoxide	1	5.69	5.64	5.74	14.3	19.6
	2	4.73	4.68	4.78	17.4	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

BP-F-20MSD

Contract: CHEM02

Lab Code: CHEM **Case No.:** P4495 **SAS No.:** P4495 **SDG NO.:** P4495

Lab Sample ID: P4547-05MSD **Date(s) Analyzed:** 10/25/2024 10/25/2024

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
Endosulfan I	1	6.07	6.02	6.12	14.5	21
	2	5.10	5.05	5.15	17.9	
gamma-Chlordane	1	5.94	5.89	5.99	14.3	18.4
	2	4.98	4.93	5.03	17.2	
alpha-Chlordane	1	6.02	5.97	6.07	14.4	18.9
	2	5.05	5.00	5.10	17.4	
4,4'-DDE	1	6.19	6.14	6.24	14.3	20.7
	2	5.24	5.19	5.29	17.6	
Dieldrin	1	6.35	6.30	6.40	14.1	19.2
	2	5.37	5.32	5.42	17.1	
Endrin	1	6.58	6.53	6.63	13.8	21.9
	2	5.64	5.59	5.69	17.2	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB164398BS

Contract: CHEM02

Lab Code: CHEM **Case No.:** P4495 **SAS No.:** P4495 **SDG NO.:** P4495

Lab Sample ID: PB164398BS **Date(s) Analyzed:** 10/25/2024 10/25/2024

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
Endosulfan II	1	6.80	6.75	6.85	14.0	15.2
	2	5.94	5.89	5.99	16.3	
4,4'-DDD	1	6.71	6.66	6.76	14.2	15.6
	2	5.79	5.74	5.84	16.6	
4,4'-DDT	1	7.03	6.98	7.08	14.3	11.8
	2	6.04	5.99	6.09	16.1	
Endrin aldehyde	1	6.93	6.88	6.98	14.8	11.5
	2	6.12	6.07	6.17	16.6	
Endosulfan sulfate	1	7.16	7.11	7.21	14.6	11
	2	6.34	6.29	6.39	16.3	
Methoxychlor	1	7.50	7.45	7.55	16.5	7.6
	2	6.62	6.57	6.67	17.8	
Endrin ketone	1	7.65	7.60	7.70	15.1	13
	2	6.85	6.80	6.90	17.2	
alpha-BHC	1	4.00	3.95	4.05	13.8	16
	2	3.28	3.23	3.33	16.2	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	14.3	13.7
	2	3.61	3.56	3.66	16.4	
Heptachlor	1	4.92	4.87	4.97	14.3	15.5
	2	3.95	3.90	4.00	16.7	
Aldrin	1	5.26	5.21	5.31	13.6	18.1
	2	4.23	4.18	4.28	16.3	
beta-BHC	1	4.53	4.48	4.58	15.7	6.2
	2	3.91	3.86	3.96	16.7	
delta-BHC	1	4.77	4.72	4.82	14.3	12.5
	2	4.14	4.09	4.19	16.2	
Heptachlor epoxide	1	5.69	5.64	5.74	14.1	18.6
	2	4.73	4.68	4.78	17.0	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB164398BS

Contract: CHEM02

Lab Code: CHEM **Case No.:** P4495 **SAS No.:** P4495 **SDG NO.:** P4495

Lab Sample ID: PB164398BS **Date(s) Analyzed:** 10/25/2024 10/25/2024

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
Endosulfan I	1	6.07	6.02	6.12	13.9	21.2
	2	5.10	5.05	5.15	17.2	
gamma-Chlordane	1	5.94	5.89	5.99	13.8	17.2
	2	4.98	4.93	5.03	16.4	
alpha-Chlordane	1	6.02	5.97	6.07	13.8	19
	2	5.05	5.00	5.10	16.7	
4,4'-DDE	1	6.20	6.15	6.25	13.8	19.6
	2	5.24	5.19	5.29	16.8	
Dieldrin	1	6.35	6.30	6.40	13.8	17.2
	2	5.37	5.32	5.42	16.4	
Endrin	1	6.58	6.53	6.63	13.6	16.8
	2	5.64	5.59	5.69	16.1	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PT-PEST-SOIL

Contract: CHEM02

Lab Code: CHEM **Case No.:** P4495 **SAS No.:** P4495 **SDG NO.:** P4495

Lab Sample ID: P4495-20 **Date(s) Analyzed:** 11/04/2024 11/04/2024

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
4,4'-DDD	1	6.72	6.67	6.77	180	15.9
	2	5.79	5.74	5.84	211	
4,4'-DDE	1	6.20	6.15	6.25	292	11
	2	5.24	5.19	5.29	326	
4,4'-DDT	1	7.03	6.98	7.08	84.9	22.1
	2	6.04	5.99	6.09	106	
alpha-BHC	1	4.01	3.96	4.06	208	5.2
	2	3.28	3.23	3.33	219	
Aldrin	1	5.27	5.22	5.32	81.0	13.7
	2	4.23	4.18	4.28	92.9	
alpha-Chlordane	1	6.03	5.98	6.08	68.0	15.8
	2	5.05	5.00	5.10	79.7	
Endosulfan II	1	6.80	6.75	6.85	129	18.9
	2	5.94	5.89	5.99	156	
Endosulfan sulfate	1	7.17	7.12	7.22	46.7	16.5
	2	6.34	6.29	6.39	55.1	
beta-BHC	1	4.54	4.49	4.59	237	13.8
	2	3.91	3.86	3.96	272	
delta-BHC	1	4.78	4.73	4.83	263	3.7
	2	4.14	4.09	4.19	273	
Endosulfan I	1	6.08	6.03	6.13	34.2	12.3
	2	5.10	5.05	5.15	38.7	
Dieldrin	1	6.35	6.30	6.40	288	9
	2	5.37	5.32	5.42	315	
Endrin aldehyde	1	6.93	6.88	6.98	22.9	16.1
	2	6.12	6.07	6.17	26.9	
Methoxychlor	1	7.51	7.46	7.56	37.0	5.5
	2	6.62	6.57	6.67	39.1	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PT-PEST-SOIL

Contract: CHEM02

Lab Code: CHEM **Case No.:** P4495 **SAS No.:** P4495 **SDG NO.:** P4495

Lab Sample ID: P4495-20 **Date(s) Analyzed:** 11/04/2024 11/04/2024

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
Endrin ketone	1	7.65	7.60	7.70	155	9.8
	2	6.85	6.80	6.90	171	
gamma-BHC (Lindane)	1	4.34	4.29	4.39	123	10
	2	3.61	3.56	3.66	136	
Heptachlor	1	4.93	4.88	4.98	251	3.9
	2	3.95	3.90	4.00	261	
Heptachlor epoxide	1	5.69	5.64	5.74	75.0	14.6
	2	4.73	4.68	4.78	86.8	
gamma-Chlordane	1	5.95	5.90	6.00	207	13.5
	2	4.98	4.93	5.03	237	
Endrin	1	6.58	6.53	6.63	34.6	23
	2	5.64	5.59	5.69	43.6	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PT-PEST-SOILDL

Contract: CHEM02

Lab Code: CHEM **Case No.:** P4495 **SAS No.:** P4495 **SDG NO.:** P4495

Lab Sample ID: P4495-20DL **Date(s) Analyzed:** 11/04/2024 11/04/2024

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
4,4'-DDD	1	6.71	6.66	6.76	179	19.2
	2	5.79	5.74	5.84	217	
4,4'-DDT	1	7.03	6.98	7.08	83.6	21.7
	2	6.04	5.99	6.09	104	
alpha-BHC	1	4.00	3.95	4.05	205	11.1
	2	3.28	3.23	3.33	229	
Aldrin	1	5.26	5.21	5.31	81.0	16.9
	2	4.23	4.18	4.28	96.0	
beta-BHC	1	4.53	4.48	4.58	242	16.3
	2	3.91	3.86	3.96	285	
alpha-Chlordane	1	6.02	5.97	6.07	68.1	15.9
	2	5.05	5.00	5.10	79.9	
4,4'-DDE	1	6.20	6.15	6.25	291	16.1
	2	5.24	5.19	5.29	342	
Endosulfan II	1	6.80	6.75	6.85	130	20.1
	2	5.94	5.89	5.99	159	
Endrin aldehyde	1	6.93	6.88	6.98	24.7	8.5
	2	6.12	6.07	6.17	26.9	
Endosulfan sulfate	1	7.16	7.11	7.21	48.2	13.2
	2	6.34	6.29	6.39	55.0	
Methoxychlor	1	7.50	7.45	7.55	38.8	7
	2	6.62	6.57	6.67	41.6	
Endrin ketone	1	7.65	7.60	7.70	156	13.2
	2	6.84	6.79	6.89	178	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	122	13.7
	2	3.61	3.56	3.66	140	
Heptachlor	1	4.92	4.87	4.97	256	15.2
	2	3.95	3.90	4.00	298	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PT-PEST-SOILDL

Contract: CHEM02

Lab Code: CHEM **Case No.:** P4495 **SAS No.:** P4495 **SDG NO.:** P4495

Lab Sample ID: P4495-20DL **Date(s) Analyzed:** 11/04/2024 11/04/2024

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
delta-BHC	1	4.78	4.73	4.83	262	10.5
	2	4.14	4.09	4.19	291	
Heptachlor epoxide	1	5.69	5.64	5.74	75.5	18.2
	2	4.73	4.68	4.78	90.6	
Endosulfan I	1	6.07	6.02	6.12	35.0	11.6
	2	5.10	5.05	5.15	39.3	
gamma-Chlordane	1	5.94	5.89	5.99	202	19.6
	2	4.98	4.93	5.03	246	
Dieldrin	1	6.35	6.30	6.40	291	16.1
	2	5.37	5.32	5.42	342	
Endrin	1	6.58	6.53	6.63	35.2	20.6
	2	5.64	5.59	5.69	43.3	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PT-PEST-SOILDL2

Contract: CHEM02

Lab Code: CHEM **Case No.:** P4495 **SAS No.:** P4495 **SDG NO.:** P4495

Lab Sample ID: P4495-20DL2 **Date(s) Analyzed:** 11/04/2024 11/04/2024

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
Endosulfan II	1	6.80	6.75	6.85	158	4.3
	2	5.94	5.89	5.99	165	
4,4'-DDD	1	6.71	6.66	6.76	208	3.3
	2	5.79	5.74	5.84	215	
4,4'-DDT	1	7.03	6.98	7.08	98.3	0.5
	2	6.04	5.99	6.09	98.8	
Endrin aldehyde	1	6.93	6.88	6.98	31.9	6.8
	2	6.12	6.07	6.17	29.8	
Endosulfan sulfate	1	7.16	7.11	7.21	63.5	9.1
	2	6.34	6.29	6.39	58.0	
Endrin ketone	1	7.65	7.60	7.70	190	2.1
	2	6.84	6.79	6.89	194	
alpha-BHC	1	4.00	3.95	4.05	211	2.8
	2	3.28	3.23	3.33	217	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	132	0
	2	3.61	3.56	3.66	132	
Aldrin	1	5.26	5.21	5.31	96.0	3.4
	2	4.23	4.18	4.28	92.8	
beta-BHC	1	4.53	4.48	4.58	290	5
	2	3.91	3.86	3.96	305	
delta-BHC	1	4.77	4.72	4.82	271	7.1
	2	4.14	4.09	4.19	291	
Endosulfan I	1	6.07	6.02	6.12	44.9	10.6
	2	5.10	5.05	5.15	40.4	
alpha-Chlordane	1	6.02	5.97	6.07	84.2	3
	2	5.05	5.00	5.10	81.7	
4,4'-DDE	1	6.19	6.14	6.24	317	10.2
	2	5.23	5.18	5.28	351	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PT-PEST-SOILDL2

Contract: CHEM02

Lab Code: CHEM **Case No.:** P4495 **SAS No.:** P4495 **SDG NO.:** P4495

Lab Sample ID: P4495-20DL2 **Date(s) Analyzed:** 11/04/2024 11/04/2024

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
Dieldrin	1	6.35	6.30	6.40	322	11.7
	2	5.37	5.32	5.42	362	
Endrin	1	6.58	6.53	6.63	44.8	3.6
	2	5.64	5.59	5.69	43.2	
Methoxychlor	1	7.50	7.45	7.55	48.5	4.9
	2	6.61	6.56	6.66	46.2	
Heptachlor	1	4.92	4.87	4.97	292	8.2
	2	3.95	3.90	4.00	317	
Heptachlor epoxide	1	5.69	5.64	5.74	99.5	7.6
	2	4.73	4.68	4.78	92.2	
gamma-Chlordane	1	5.94	5.89	5.99	227	8.4
	2	4.98	4.93	5.03	247	

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LAB CHRONICLE

OrderID:	P4495	**OrderDate:**	10/23/2024 10:29:00 AM
Client:	Chemtech Consulting Group	**Project:**	NJ Soil PT
Contact:	QA Officer	**Location:**	QA Office,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4495-14	**PT-DIES-SOIL**	**SOIL**			**10/21/24**			**10/23/24**
			Diesel Range Organics	8015D		10/24/24	10/24/24	
			Diesel Range Organics	8015D		10/24/24	10/25/24	
P4495-15	**PT-GAS-SOIL**	**SOIL**			**10/21/24**			**10/23/24**
			Gasoline Range Organics	8015D			10/24/24	
			Gasoline Range Organics	8015D			10/30/24	
P4495-16	**PT-NJEPH-SOIL**	**Solid**			**10/21/24**			**10/23/24**
			EPH	NJEPH		10/25/24	10/28/24	
			EPH	NJEPH		10/25/24	10/29/24	
			EPH	NJEPH		10/25/24	10/28/24	
P4495-16DL2	**PT-NJEPH-SOILDL2**	**Solid**			**10/21/24**			**10/23/24**
			EPH	NJEPH		10/25/24	10/28/24	
P4495-17	**PT-HERB-SOIL**	**SOIL**			**10/21/24**			**10/23/24**
			Herbicide Group1	8151A		11/14/24	11/25/24	
P4495-17RE	**PT-HERB-SOILRE**	**SOIL**			**10/21/24**			**10/23/24**
			Herbicide Group1	8151A		11/14/24	11/25/24	
P4495-18	**PT-PCB-SOIL**	**SOIL**			**10/21/24**			**10/23/24**
			PCB	8082A		10/25/24	10/25/24	
P4495-18DL	**PT-PCB-SOILDL**	**SOIL**			**10/21/24**			**10/23/24**
			PCB	8082A		10/25/24	10/25/24	
P4495-19	**PT-PCBO-SOIL**	**SOIL**			**10/21/24**			**10/23/24**
			PCB	8082A		10/25/24	10/28/24	
P4495-19DL	**PT-PCBO-SOILDL**	**SOIL**			**10/21/24**			**10/23/24**

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LAB CHRONICLE

			PCB	8082A		10/25/24	10/28/24	
P4495-20	**PT-PEST-SOIL**	**SOIL**			**10/21/24**			**10/23/24**
			PESTICIDE Group1	8081B		10/25/24	11/04/24	
P4495-20DL	**PT-PEST-SOILDL**	**SOIL**			**10/21/24**			**10/23/24**
			PESTICIDE Group1	8081B		10/25/24	11/04/24	
P4495-20DL2	**PT-PEST-SOILDL2**	**SOIL**			**10/21/24**			**10/23/24**
			PESTICIDE Group1	8081B		10/25/24	11/04/24	
P4495-21	**PT-CHLR-SOIL**	**SOIL**			**10/21/24**			**10/23/24**
			PESTICIDE Group2	8081B		10/25/24	10/31/24	
P4495-22	**PT-TXP-SOIL**	**SOIL**			**10/21/24**			**10/23/24**
			PESTICIDE Group3	8081B		10/25/24	10/31/24	
P4495-22DL	**PT-TXP-SOILDL**	**SOIL**			**10/21/24**			**10/23/24**
			PESTICIDE Group3	8081B		10/25/24	10/31/24	

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Hit Summary Sheet
SW-846

SDG No.: P4495 **Order ID:** P4495

Client: Chemtech Consulting Group **Project ID:** NJ Soil PT

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : PT-PCB-SOIL								
P4495-18	PT-PCB-SOIL	SOIL	Aroclor-1016	7200	E	3.40	17.0	ug/kg
			Total Concentration:	**7,200.000**				
Client ID : PT-PCB-SOIL DL								
P4495-18DL	PT-PCB-SOIL DL	SOIL	Aroclor-1016	7700	D	84.6	424	ug/kg
			Total Concentration:	**7,700.000**				
Client ID : PT-PCBO-SOIL								
P4495-19	PT-PCBO-SOIL	SOIL	Aroclor-1221	18000	E	187	495	ug/kg
			Total Concentration:	**18,000.000**				
Client ID : PT-PCBO-SOILDL								
P4495-19DL	PT-PCBO-SOILDL	SOIL	Aroclor-1221	18000	D	933	2500	ug/kg
			Total Concentration:	**18,000.000**				

SAMPLE DATA

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Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	10/21/24
Project:	NJ Soil PT	Date Received:	10/23/24
Client Sample ID:	PT-PCB-SOIL	SDG No.:	P4495
Lab Sample ID:	P4495-18	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	100 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
PO107377.D	1	10/25/24 09:40	10/25/24 13:46	PB164397

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	7200	E	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	27.1		32 - 144	136%	SPK: 20
2051-24-3	Decachlorobiphenyl	23.9		32 - 175	120%	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:	Chemtech Consulting Group	Date Collected:	10/21/24
Project:	NJ Soil PT	Date Received:	10/23/24
Client Sample ID:	PT-PCB-SOILDL	SDG No.:	P4495
Lab Sample ID:	P4495-18DL	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	100 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
PO107381.D	25	10/25/24 09:40	10/25/24 15:16	PB164397

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	7700	D	84.6	424	ug/kg
11104-28-2	Aroclor-1221	160	UD	160	424	ug/kg
11141-16-5	Aroclor-1232	84.9	UD	84.9	424	ug/kg
53469-21-9	Aroclor-1242	84.6	UD	84.6	424	ug/kg
12672-29-6	Aroclor-1248	197	UD	197	424	ug/kg
11097-69-1	Aroclor-1254	68.1	UD	68.1	424	ug/kg
37324-23-5	Aroclor-1262	114	UD	114	424	ug/kg
11100-14-4	Aroclor-1268	85.6	UD	85.6	424	ug/kg
11096-82-5	Aroclor-1260	72.6	UD	72.6	424	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.5		32 - 144	98%	SPK: 20
2051-24-3	Decachlorobiphenyl	27.5		32 - 175	138%	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:	Chemtech Consulting Group	Date Collected:	10/21/24
Project:	NJ Soil PT	Date Received:	10/23/24
Client Sample ID:	PT-PCBO-SOIL	SDG No.:	P4495
Lab Sample ID:	P4495-19	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	100 Decanted:
Sample Wt/Vol:	1.03 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
PO107427.D	1	10/25/24 11:30	10/28/24 13:10	PB164405

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	98.7	U	98.7	495	ug/kg
11104-28-2	Aroclor-1221	18000	E	187	495	ug/kg
11141-16-5	Aroclor-1232	99.0	U	99.0	495	ug/kg
53469-21-9	Aroclor-1242	98.7	U	98.7	495	ug/kg
12672-29-6	Aroclor-1248	230	U	230	495	ug/kg
11097-69-1	Aroclor-1254	79.5	U	79.5	495	ug/kg
37324-23-5	Aroclor-1262	133	U	133	495	ug/kg
11100-14-4	Aroclor-1268	99.9	U	99.9	495	ug/kg
11096-82-5	Aroclor-1260	84.8	U	84.8	495	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	10.4		32 - 144	52%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.8		32 - 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:	Chemtech Consulting Group	Date Collected:	10/21/24
Project:	NJ Soil PT	Date Received:	10/23/24
Client Sample ID:	PT-PCBO-SOILDL	SDG No.:	P4495
Lab Sample ID:	P4495-19DL	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	100 Decanted:
Sample Wt/Vol:	1.03 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
PO107434.D	5	10/25/24 11:30	10/28/24 15:52	PB164405

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	494	UD	494	2500	ug/kg
11104-28-2	Aroclor-1221	18000	D	933	2500	ug/kg
11141-16-5	Aroclor-1232	495	UD	495	2500	ug/kg
53469-21-9	Aroclor-1242	494	UD	494	2500	ug/kg
12672-29-6	Aroclor-1248	1100	UD	1100	2500	ug/kg
11097-69-1	Aroclor-1254	398	UD	398	2500	ug/kg
37324-23-5	Aroclor-1262	666	UD	666	2500	ug/kg
11100-14-4	Aroclor-1268	500	UD	500	2500	ug/kg
11096-82-5	Aroclor-1260	424	UD	424	2500	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	10.5		32 - 144	52%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.5		32 - 175	98%	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.: P4495

Client: Chemtech Consulting Group

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		60	140
		Decachlorobiphenyl	1	20	23.4	117		60	140
		Tetrachloro-m-xylene	2	20	22.1	110		60	140
		Decachlorobiphenyl	2	20	22.8	114		60	140
I.BLK-PO107374.D	PIBLK-PO107374.D	Tetrachloro-m-xylene	1	20	21.6	108		60	140
		Decachlorobiphenyl	1	20	21.7	108		60	140
		Tetrachloro-m-xylene	2	20	21.5	108		60	140
		Decachlorobiphenyl	2	20	21.8	109		60	140
PB164397BL	PB164397BL	Tetrachloro-m-xylene	1	20	22.4	112		32	144
		Decachlorobiphenyl	1	20	23.0	115		32	175
		Tetrachloro-m-xylene	2	20	22.1	110		32	144
		Decachlorobiphenyl	2	20	22.8	114		32	175
PB164397BS	PB164397BS	Tetrachloro-m-xylene	1	20	21.8	109		32	144
		Decachlorobiphenyl	1	20	22.4	112		32	175
		Tetrachloro-m-xylene	2	20	20.4	102		32	144
		Decachlorobiphenyl	2	20	22.3	112		32	175
P4495-18	PT-PCB-SOIL	Tetrachloro-m-xylene	1	20	27.1	136		32	144
		Decachlorobiphenyl	1	20	20.3	102		32	175
		Tetrachloro-m-xylene	2	20	18.3	92		32	144
		Decachlorobiphenyl	2	20	23.9	120		32	175
P4495-18DL	PT-PCB-SOILDL	Tetrachloro-m-xylene	1	20	19.5	98		32	144
		Decachlorobiphenyl	1	20	24.3	121		32	175
		Tetrachloro-m-xylene	2	20	18.3	91		32	144
		Decachlorobiphenyl	2	20	27.5	138		32	175
I.BLK-PO107386.D	PIBLK-PO107386.D	Tetrachloro-m-xylene	1	20	22.3	112		60	140
		Decachlorobiphenyl	1	20	22.6	113		60	140
		Tetrachloro-m-xylene	2	20	22.0	110		60	140
		Decachlorobiphenyl	2	20	22.8	114		60	140
P4531-01MS	OR-03-102424MS	Tetrachloro-m-xylene	1	20	16.7	84		32	144
		Decachlorobiphenyl	1	20	19.4	97		32	175
		Tetrachloro-m-xylene	2	20	19.3	96		32	144
		Decachlorobiphenyl	2	20	16.8	84		32	175
P4531-01MSD	OR-03-102424MSD	Tetrachloro-m-xylene	1	20	17.5	88		32	144
		Decachlorobiphenyl	1	20	19.5	97		32	175
		Tetrachloro-m-xylene	2	20	19.9	100		32	144
		Decachlorobiphenyl	2	20	16.1	81		32	175
I.BLK-PO107401.D	PIBLK-PO107401.D	Tetrachloro-m-xylene	1	20	22.1	111		60	140
		Decachlorobiphenyl	1	20	21.2	106		60	140
		Tetrachloro-m-xylene	2	20	22.0	110		60	140
		Decachlorobiphenyl	2	20	20.2	101		60	140
I.BLK-PO107414.D	PIBLK-PO107414.D	Tetrachloro-m-xylene	1	20	18.9	95		60	140

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Surrogate Summary

SDG No.: P4495

Client: Chemtech Consulting Group

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
I.BLK-PO107414.D	PIBLK-PO107414.D	Decachlorobiphenyl	1	20	20.4	102		60	140
		Tetrachloro-m-xylene	2	20	19.6	98		60	140
		Decachlorobiphenyl	2	20	20.6	103		60	140
I.BLK-PO107424.D	PIBLK-PO107424.D	Tetrachloro-m-xylene	1	20	19.3	96		60	140
		Decachlorobiphenyl	1	20	20.2	101		60	140
		Tetrachloro-m-xylene	2	20	19.6	98		60	140
		Decachlorobiphenyl	2	20	19.6	98		60	140
PB164405BL	PB164405BL	Tetrachloro-m-xylene	1	20	18.9	95		32	144
		Decachlorobiphenyl	1	20	20.8	104		32	175
		Tetrachloro-m-xylene	2	20	19.4	97		32	144
		Decachlorobiphenyl	2	20	20.3	102		32	175
PB164405BS	PB164405BS	Tetrachloro-m-xylene	1	20	19.1	95		32	144
		Decachlorobiphenyl	1	20	20.3	102		32	175
		Tetrachloro-m-xylene	2	20	18.4	92		32	144
		Decachlorobiphenyl	2	20	19.9	99		32	175
P4495-19	PT-PCBO-SOIL	Tetrachloro-m-xylene	1	20	10.4	52		32	144
		Decachlorobiphenyl	1	20	15.4	77		32	175
		Tetrachloro-m-xylene	2	20	9.16	46		32	144
		Decachlorobiphenyl	2	20	17.8	89		32	175
P4495-19DL	PT-PCBO-SOILDL	Tetrachloro-m-xylene	1	20	10.5	52		32	144
		Decachlorobiphenyl	1	20	19.5	98		32	175
		Tetrachloro-m-xylene	2	20	10.5	52		32	144
		Decachlorobiphenyl	2	20	18.4	92		32	175
I.BLK-PO107440.D	PIBLK-PO107440.D	Tetrachloro-m-xylene	1	20	19.9	100		60	140
		Decachlorobiphenyl	1	20	20.5	103		60	140
		Tetrachloro-m-xylene	2	20	20.5	103		60	140
		Decachlorobiphenyl	2	20	20.4	102		60	140

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4495

Client: Chemtech Consulting Group

Analytical Method: 8082A **DataFile :** PO107390.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Client Sample ID:	**OR-03-102424MS**											
P4531-01MS	AR1016	176.3	0	170	ug/kg	96				55	146	
	AR1260	176.3	0	155	ug/kg	88				45	144	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4495

Client: Chemtech Consulting Group

Analytical Method: 8082A **DataFile :** PO107391.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:	**OR-03-102424MSD**											
P4531-01MSD	AR1016	176.4	0	173	ug/kg	98		2		55	146	20
	AR1260	176.4	0	157	ug/kg	89		1		45	144	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4495

Client: Chemtech Consulting Group

Analytical Method: 8082A **Datafile :** PO107376.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB164397BS	AR1016	166.5	160	ug/kg	96				71	120	
	AR1260	166.5	162	ug/kg	97				65	130	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4495

Client: Chemtech Consulting Group

Analytical Method: 8082A **Datafile :** PO107426.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB164405BS	AR1016	4854	4300	ug/kg	89				71	120	
	AR1260	4854	4400	ug/kg	91				65	130	

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4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB164397BL

Lab Name: CHEMTECH Contract: CHEM02

Lab Code: CHEM Case No.: P4495 SAS No.: P4495 SDG NO.: P4495

Lab Sample ID: PB164397BL Lab File ID: PO107375.D

Matrix: (soil/water) Solid Extraction: (Type)

Sulfur Cleanup: (Y/N) N Date Extracted: 10/25/2024

Date Analyzed (1): 10/25/2024 Date Analyzed (2): 10/25/2024

Time Analyzed (1): 13:10 Time Analyzed (2): 13:10

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
PB164397BS	PB164397BS	PO107376.D	10/25/2024	10/25/2024
PT-PCB-SOIL	P4495-18	PO107377.D	10/25/2024	10/25/2024
OR-03-102424MS	P4531-01MS	PO107390.D	10/25/2024	10/25/2024
OR-03-102424MSD	P4531-01MSD	PO107391.D	10/25/2024	10/25/2024

COMMENTS:

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4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB164405BL

Lab Name: CHEMTECH Contract: CHEM02

Lab Code: CHEM Case No.: P4495 SAS No.: P4495 SDG NO.: P4495

Lab Sample ID: PB164405BL Lab File ID: PO107425.D

Matrix: (soil/water) Solid Extraction: (Type)

Sulfur Cleanup: (Y/N) N Date Extracted: 10/25/2024

Date Analyzed (1): 10/28/2024 Date Analyzed (2): 10/28/2024

Time Analyzed (1): 12:34 Time Analyzed (2): 12:34

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
PB164405BS	PB164405BS	PO107426.D	10/28/2024	10/28/2024
PT-PCBO-SOIL	P4495-19	PO107427.D	10/28/2024	10/28/2024

COMMENTS:

CALIBRATION SUMMARY

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

RETENTION TIMES OF INITIAL CALIBRATION

Contract: CHEM02

Lab Code: CHEM **Case No.:** P4495 **SAS No.:** P4495 **SDG NO.:** P4495

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: CHEM02

Lab Code: CHEM **Case No.:** P4495 **SAS No.:** P4495 **SDG NO.:** P4495

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: CHEM02

Lab Code: CHEM **Case No.:** P4495 **SAS No.:** P4495 **SDG NO.:** P4495

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: CHEM02

Lab Code: CHEM **Case No.:** P4495 **SAS No.:** P4495 **SDG NO.:** P4495

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: CHEM02

Lab Code: CHEM **Case No.:** P4495 **SAS No.:** P4495 **SDG NO.:** P4495

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: CHEM02

Lab Code: CHEM **Case No.:** P4495 **SAS No.:** P4495 **SDG NO.:** P4495

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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RETENTION TIMES OF INITIAL CALIBRATION

Contract: CHEM02

Lab Code: CHEM **Case No.:** P4495 **SAS No.:** P4495 **SDG NO.:** P4495

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

Calibration Times: 09:34 10:46

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

LAB FILE ID: RT 1000 = PO107415.D RT 750 = PO107416.D

RT 500 = PO107417.D RT 250 = PO107418.D RT 050 = PO107419.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1221-1	(1)	4.57	4.57	4.57	4.57	4.57	4.57	4.47	4.67
Aroclor-1221-2	(2)	4.66	4.66	4.66	4.66	4.66	4.66	4.56	4.76
Aroclor-1221-3	(3)	4.73	4.73	4.73	4.73	4.73	4.73	4.63	4.83
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: CHEM02

Lab Code: CHEM **Case No.:** P4495 **SAS No.:** P4495 **SDG NO.:** P4495

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

Calibration Times: 09:34 10:46

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

LAB FILE ID: RT 1000 = PO107415.D RT 750 = PO107416.D

RT 500 = PO107417.D RT 250 = PO107418.D RT 050 = PO107419.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1221-1	(1)	3.86	3.86	3.86	3.86	3.86	3.86	3.76	3.96
Aroclor-1221-2	(2)	3.94	3.94	3.94	3.94	3.94	3.94	3.84	4.04
Aroclor-1221-3	(3)	4.02	4.02	4.02	4.02	4.02	4.02	3.92	4.12
Decachlorobiphenyl		8.64	8.63	8.63	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

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: CHEM02

Lab Code: CHEM **Case No.:** P4495 **SAS No.:** P4495 **SDG NO.:** P4495

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

Calibration Times: 09:34 10:46

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

LAB FILE ID: **CF 1000 =** PO107415.D **CF 750 =** PO107416.D

CF 500 = PO107417.D **CF 250 =** PO107418.D **CF 050 =** PO107419.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1221-1	(1)	102622481	106822239	113506836	119050720	115590160	111518487	6
Aroclor-1221-2	(2)	73843311	77090631	82153862	87705808	88792760	81917274	8
Aroclor-1221-3	(3)	216166335	225272985	237676422	256699116	260633100	239289592	8
Decachlorobiphenyl		2202322900	2277801413	2398089540	2507915520	2399564800	2357138835	5
Tetrachloro-m-xylene		8923238900	9024945213	9308312800	9477694080	8794415000	9105721199	3

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: CHEM02

Lab Code: CHEM **Case No.:** P4495 **SAS No.:** P4495 **SDG NO.:** P4495

Instrument ID: ECD_O

Calibration Date(s): 10/28/2024 10/28/2024

Calibration Times: 09:34 10:46

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

LAB FILE ID: **CF 1000 =** PO107415.D **CF 750 =** PO107416.D

CF 500 = PO107417.D **CF 250 =** PO107418.D **CF 050 =** PO107419.D

COMPOUND	CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1221-1 (1)	35576488	36433637	37744832	38678816	32784700	36243695	6
Aroclor-1221-2 (2)	27465164	28384011	29493154	30456612	29720220	29103832	4
Aroclor-1221-3 (3)	84083216	86892267	89808164	93083904	87343060	88242122	4
Decachlorobiphenyl	2643458700	2653627093	2771181340	2794463760	2500904400	2672727059	4
Tetrachloro-m-xylene	3369255270	3386064760	3396242860	3329085000	2853742400	3266878058	7

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: CHEM02

Lab Code: CHEM **Case No.:** P4495 **SAS No.:** P4495 **SDG NO.:** P4495

Instrument ID: _____ **Date(s) Analyzed:** _____ _____

GC Column: _____ **ID:** _____ (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
		1				
		2				
		3				
		4				
		5				

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CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM **Case No.:** P4495 **SAS No.:** P4495 **SDG NO.:** P4495

Continuing Calib Date: 10/25/2024 **Initial Calibration Date(s):** 10/15/2024 10/16/2024

Continuing Calib Time: 09:25 **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)	5.55	5.55	5.45	5.65	0.00
Aroclor-1016-3	(3)	5.61	5.61	5.51	5.71	0.00
Aroclor-1016-4	(4)	5.71	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		10.06	10.06	9.96	10.16	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM **Case No.:** P4495 **SAS No.:** P4495 **SDG NO.:** P4495

Continuing Calib Date: 10/25/2024 **Initial Calibration Date(s):** 10/15/2024 10/16/2024

Continuing Calib Time: 09:25 **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)	4.73	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)	5.18	5.18	5.08	5.28	0.00
Aroclor-1260-1	(1)	6.21	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	0.00
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: CHEM02

Lab Code: CHEM **Case No.:** P4495 **SAS No.:** P4495 **SDG NO.:** P4495

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

Client Sample No.: CCAL01 **Date Analyzed:** 10/25/2024

Lab Sample No.: AR1660CCC500 **Data File :** PO107370.D **Time Analyzed:** 09:25

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.523	5.423	5.623	527.200	500.000	5.4
Aroclor-1016-2	5.545	5.445	5.645	510.220	500.000	2.0
Aroclor-1016-3	5.608	5.507	5.707	494.160	500.000	-1.2
Aroclor-1016-4	5.705	5.604	5.804	514.300	500.000	2.9
Aroclor-1016-5	6.000	5.899	6.099	525.980	500.000	5.2
Aroclor-1260-1	7.126	7.026	7.226	489.010	500.000	-2.2
Aroclor-1260-2	7.383	7.282	7.482	517.380	500.000	3.5
Aroclor-1260-3	7.745	7.643	7.843	509.140	500.000	1.8
Aroclor-1260-4	7.969	7.868	8.068	518.330	500.000	3.7
Aroclor-1260-5	8.282	8.181	8.381	520.630	500.000	4.1
Decachlorobiphenyl	10.062	9.958	10.158	51.430	50.000	2.9
Tetrachloro-m-xylene	4.373	4.274	4.474	53.420	50.000	6.8

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CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM **Case No.:** P4495 **SAS No.:** P4495 **SDG NO.:** P4495

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

Client Sample No.: CCAL01 **Date Analyzed:** 10/25/2024

Lab Sample No.: AR1660CCC500 **Data File :** PO107370.D **Time Analyzed:** 09:25

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.725	4.626	4.826	554.800	500.000	11.0
Aroclor-1016-2	4.744	4.645	4.845	567.110	500.000	13.4
Aroclor-1016-3	4.920	4.821	5.021	535.260	500.000	7.1
Aroclor-1016-4	4.961	4.862	5.062	509.110	500.000	1.8
Aroclor-1016-5	5.175	5.076	5.276	542.290	500.000	8.5
Aroclor-1260-1	6.205	6.107	6.307	541.100	500.000	8.2
Aroclor-1260-2	6.393	6.294	6.494	576.430	500.000	15.3
Aroclor-1260-3	6.546	6.448	6.648	552.590	500.000	10.5
Aroclor-1260-4	7.016	6.918	7.118	536.970	500.000	7.4
Aroclor-1260-5	7.257	7.159	7.359	571.380	500.000	14.3
Decachlorobiphenyl	8.636	8.539	8.739	52.070	50.000	4.1
Tetrachloro-m-xylene	3.644	3.545	3.745	55.350	50.000	10.7

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CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM **Case No.:** P4495 **SAS No.:** P4495 **SDG NO.:** P4495

Continuing Calib Date: 10/25/2024 **Initial Calibration Date(s):** 10/15/2024 10/16/2024

Continuing Calib Time: 15:49 **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)	7.74	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		10.06	10.06	9.96	10.16	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM **Case No.:** P4495 **SAS No.:** P4495 **SDG NO.:** P4495

Continuing Calib Date: 10/25/2024 **Initial Calibration Date(s):** 10/15/2024 10/16/2024

Continuing Calib Time: 15:49 **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)	4.73	4.73	4.63	4.83	0.00
Aroclor-1016-2	(2)	4.75	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)	5.18	5.18	5.08	5.28	0.00
Aroclor-1260-1	(1)	6.21	6.21	6.11	6.31	0.00
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	0.00
Aroclor-1260-5	(5)	7.26	7.26	7.16	7.36	0.00
Tetrachloro-m-xylene		3.65	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: CHEM02

Lab Code: CHEM **Case No.:** P4495 **SAS No.:** P4495 **SDG NO.:** P4495

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

Client Sample No.: CCAL02 **Date Analyzed:** 10/25/2024

Lab Sample No.: AR1660CCC500 **Data File :** PO107382.D **Time Analyzed:** 15:49

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.522	5.423	5.623	541.940	500.000	8.4
Aroclor-1016-2	5.544	5.445	5.645	534.490	500.000	6.9
Aroclor-1016-3	5.606	5.507	5.707	524.670	500.000	4.9
Aroclor-1016-4	5.704	5.604	5.804	550.740	500.000	10.1
Aroclor-1016-5	5.998	5.899	6.099	549.630	500.000	9.9
Aroclor-1260-1	7.125	7.026	7.226	524.670	500.000	4.9
Aroclor-1260-2	7.382	7.282	7.482	536.310	500.000	7.3
Aroclor-1260-3	7.743	7.643	7.843	515.030	500.000	3.0
Aroclor-1260-4	7.968	7.868	8.068	522.860	500.000	4.6
Aroclor-1260-5	8.281	8.181	8.381	527.620	500.000	5.5
Decachlorobiphenyl	10.061	9.958	10.158	52.130	50.000	4.3
Tetrachloro-m-xylene	4.373	4.274	4.474	55.320	50.000	10.6

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CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM **Case No.:** P4495 **SAS No.:** P4495 **SDG NO.:** P4495

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

Client Sample No.: CCAL02 **Date Analyzed:** 10/25/2024

Lab Sample No.: AR1660CCC500 **Data File :** PO107382.D **Time Analyzed:** 15:49

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.726	4.626	4.826	553.460	500.000	10.7
Aroclor-1016-2	4.745	4.645	4.845	567.100	500.000	13.4
Aroclor-1016-3	4.921	4.821	5.021	533.360	500.000	6.7
Aroclor-1016-4	4.962	4.862	5.062	510.120	500.000	2.0
Aroclor-1016-5	5.175	5.076	5.276	544.660	500.000	8.9
Aroclor-1260-1	6.206	6.107	6.307	548.980	500.000	9.8
Aroclor-1260-2	6.393	6.294	6.494	584.550	500.000	16.9
Aroclor-1260-3	6.547	6.448	6.648	558.400	500.000	11.7
Aroclor-1260-4	7.017	6.918	7.118	558.220	500.000	11.6
Aroclor-1260-5	7.257	7.159	7.359	591.990	500.000	18.4
Decachlorobiphenyl	8.638	8.539	8.739	53.990	50.000	8.0
Tetrachloro-m-xylene	3.645	3.545	3.745	55.010	50.000	10.0

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CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM **Case No.:** P4495 **SAS No.:** P4495 **SDG NO.:** P4495

Continuing Calib Date: 10/25/2024 **Initial Calibration Date(s):** 10/15/2024 10/16/2024

Continuing Calib Time: 20:48 **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)	7.74	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		10.06	10.06	9.96	10.16	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM **Case No.:** P4495 **SAS No.:** P4495 **SDG NO.:** P4495

Continuing Calib Date: 10/25/2024 **Initial Calibration Date(s):** 10/15/2024 10/16/2024

Continuing Calib Time: 20:48 **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)	4.73	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)	5.18	5.18	5.08	5.28	0.00
Aroclor-1260-1	(1)	6.21	6.21	6.11	6.31	0.00
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	0.00
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: CHEM02

Lab Code: CHEM **Case No.:** P4495 **SAS No.:** P4495 **SDG NO.:** P4495

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

Client Sample No.: CCAL03 **Date Analyzed:** 10/25/2024

Lab Sample No.: AR1660CCC500 **Data File :** PO107397.D **Time Analyzed:** 20:48

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.521	5.423	5.623	494.170	500.000	-1.2
Aroclor-1016-2	5.543	5.445	5.645	479.380	500.000	-4.1
Aroclor-1016-3	5.606	5.507	5.707	461.860	500.000	-7.6
Aroclor-1016-4	5.703	5.604	5.804	477.250	500.000	-4.6
Aroclor-1016-5	5.998	5.899	6.099	475.790	500.000	-4.8
Aroclor-1260-1	7.125	7.026	7.226	485.380	500.000	-2.9
Aroclor-1260-2	7.382	7.282	7.482	484.810	500.000	-3.0
Aroclor-1260-3	7.744	7.643	7.843	458.270	500.000	-8.3
Aroclor-1260-4	7.968	7.868	8.068	467.110	500.000	-6.6
Aroclor-1260-5	8.281	8.181	8.381	484.470	500.000	-3.1
Decachlorobiphenyl	10.061	9.958	10.158	50.240	50.000	0.5
Tetrachloro-m-xylene	4.372	4.274	4.474	52.530	50.000	5.1

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CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM **Case No.:** P4495 **SAS No.:** P4495 **SDG NO.:** P4495

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

Client Sample No.: CCAL03 **Date Analyzed:** 10/25/2024

Lab Sample No.: AR1660CCC500 **Data File :** PO107397.D **Time Analyzed:** 20:48

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.725	4.626	4.826	537.990	500.000	7.6
Aroclor-1016-2	4.744	4.645	4.845	546.030	500.000	9.2
Aroclor-1016-3	4.920	4.821	5.021	516.060	500.000	3.2
Aroclor-1016-4	4.961	4.862	5.062	492.570	500.000	-1.5
Aroclor-1016-5	5.175	5.076	5.276	524.530	500.000	4.9
Aroclor-1260-1	6.206	6.107	6.307	496.750	500.000	-0.7
Aroclor-1260-2	6.393	6.294	6.494	527.570	500.000	5.5
Aroclor-1260-3	6.546	6.448	6.648	500.040	500.000	0.0
Aroclor-1260-4	7.017	6.918	7.118	488.580	500.000	-2.3
Aroclor-1260-5	7.258	7.159	7.359	504.820	500.000	1.0
Decachlorobiphenyl	8.637	8.539	8.739	47.900	50.000	-4.2
Tetrachloro-m-xylene	3.644	3.545	3.745	52.630	50.000	5.3

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CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM **Case No.:** P4495 **SAS No.:** P4495 **SDG NO.:** P4495

Continuing Calib Date: 10/28/2024 **Initial Calibration Date(s):** 10/15/2024 10/16/2024

Continuing Calib Time: 11:22 **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)	5.60	5.61	5.51	5.71	0.01
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)	7.12	7.13	7.03	7.23	0.01
Aroclor-1260-2	(2)	7.38	7.38	7.28	7.48	0.00
Aroclor-1260-3	(3)	7.74	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		10.05	10.06	9.96	10.16	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM **Case No.:** P4495 **SAS No.:** P4495 **SDG NO.:** P4495

Continuing Calib Date: 10/28/2024 **Initial Calibration Date(s):** 10/15/2024 10/16/2024

Continuing Calib Time: 11:22 **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		8.63	8.64	8.54	8.74	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM **Case No.:** P4495 **SAS No.:** P4495 **SDG NO.:** P4495

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

Client Sample No.: CCAL01 **Date Analyzed:** 10/28/2024

Lab Sample No.: AR1660CCC500 **Data File :** PO107421.D **Time Analyzed:** 11:22

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.519	5.423	5.623	467.400	500.000	-6.5
Aroclor-1016-2	5.542	5.445	5.645	458.050	500.000	-8.4
Aroclor-1016-3	5.604	5.507	5.707	455.130	500.000	-9.0
Aroclor-1016-4	5.701	5.604	5.804	473.820	500.000	-5.2
Aroclor-1016-5	5.996	5.899	6.099	478.100	500.000	-4.4
Aroclor-1260-1	7.124	7.026	7.226	463.460	500.000	-7.3
Aroclor-1260-2	7.379	7.282	7.482	471.410	500.000	-5.7
Aroclor-1260-3	7.741	7.643	7.843	454.480	500.000	-9.1
Aroclor-1260-4	7.965	7.868	8.068	438.720	500.000	-12.3
Aroclor-1260-5	8.278	8.181	8.381	474.790	500.000	-5.0
Decachlorobiphenyl	10.054	9.958	10.158	46.260	50.000	-7.5
Tetrachloro-m-xylene	4.371	4.274	4.474	47.030	50.000	-5.9

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CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM **Case No.:** P4495 **SAS No.:** P4495 **SDG NO.:** P4495

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

Client Sample No.: CCAL01 **Date Analyzed:** 10/28/2024

Lab Sample No.: AR1660CCC500 **Data File :** PO107421.D **Time Analyzed:** 11:22

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.724	4.626	4.826	512.280	500.000	2.5
Aroclor-1016-2	4.743	4.645	4.845	516.410	500.000	3.3
Aroclor-1016-3	4.919	4.821	5.021	495.570	500.000	-0.9
Aroclor-1016-4	4.960	4.862	5.062	477.890	500.000	-4.4
Aroclor-1016-5	5.173	5.076	5.276	501.090	500.000	0.2
Aroclor-1260-1	6.204	6.107	6.307	494.270	500.000	-1.1
Aroclor-1260-2	6.391	6.294	6.494	526.580	500.000	5.3
Aroclor-1260-3	6.544	6.448	6.648	502.020	500.000	0.4
Aroclor-1260-4	7.015	6.918	7.118	495.390	500.000	-0.9
Aroclor-1260-5	7.255	7.159	7.359	527.980	500.000	5.6
Decachlorobiphenyl	8.634	8.539	8.739	47.340	50.000	-5.3
Tetrachloro-m-xylene	3.643	3.545	3.745	49.980	50.000	0.0

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CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM **Case No.:** P4495 **SAS No.:** P4495 **SDG NO.:** P4495

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

Continuing Calib Time: 11:40 **Initial Calibration Time(s):** 09:34 10:46

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1221-1	(1)	4.57	4.57	4.47	4.67	0.00
Aroclor-1221-2	(2)	4.66	4.66	4.56	4.76	0.00
Aroclor-1221-3	(3)	4.73	4.73	4.63	4.83	0.00
Tetrachloro-m-xylene		4.37	4.37	4.27	4.47	0.00
Decachlorobiphenyl		10.06	10.06	9.96	10.16	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM **Case No.:** P4495 **SAS No.:** P4495 **SDG NO.:** P4495

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

Continuing Calib Time: 11:40 **Initial Calibration Time(s):** 09:34 10:46

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1221-1	(1)	3.86	3.86	3.76	3.96	0.00
Aroclor-1221-2	(2)	3.94	3.94	3.84	4.04	0.00
Aroclor-1221-3	(3)	4.02	4.02	3.92	4.12	0.00
Tetrachloro-m-xylene		3.64	3.64	3.54	3.74	0.00
Decachlorobiphenyl		8.63	8.63	8.53	8.73	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM **Case No.:** P4495 **SAS No.:** P4495 **SDG NO.:** P4495

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

Client Sample No.: CCAL05 **Date Analyzed:** 10/28/2024

Lab Sample No.: AR1221CCC500 **Data File :** PO107422.D **Time Analyzed:** 11:40

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1221-1	4.570	4.471	4.671	514.430	500.000	2.9
Aroclor-1221-2	4.655	4.556	4.756	510.810	500.000	2.2
Aroclor-1221-3	4.730	4.631	4.831	505.190	500.000	1.0
Decachlorobiphenyl	10.056	9.957	10.157	48.770	50.000	-2.5
Tetrachloro-m-xylene	4.371	4.271	4.471	51.410	50.000	2.8

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CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM **Case No.:** P4495 **SAS No.:** P4495 **SDG NO.:** P4495

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

Client Sample No.: CCAL05 **Date Analyzed:** 10/28/2024

Lab Sample No.: AR1221CCC500 **Data File :** PO107422.D **Time Analyzed:** 11:40

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1221-1	3.855	3.755	3.955	527.140	500.000	5.4
Aroclor-1221-2	3.940	3.840	4.040	513.260	500.000	2.7
Aroclor-1221-3	4.016	3.916	4.116	511.520	500.000	2.3
Decachlorobiphenyl	8.634	8.534	8.734	50.130	50.000	0.3
Tetrachloro-m-xylene	3.643	3.543	3.743	52.970	50.000	5.9

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CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM **Case No.:** P4495 **SAS No.:** P4495 **SDG NO.:** P4495

Continuing Calib Date: 10/28/2024 **Initial Calibration Date(s):** 10/15/2024 10/16/2024

Continuing Calib Time: 16:10 **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)	5.60	5.61	5.51	5.71	0.01
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)	7.12	7.13	7.03	7.23	0.01
Aroclor-1260-2	(2)	7.38	7.38	7.28	7.48	0.00
Aroclor-1260-3	(3)	7.74	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		10.06	10.06	9.96	10.16	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM **Case No.:** P4495 **SAS No.:** P4495 **SDG NO.:** P4495

Continuing Calib Date: 10/28/2024 **Initial Calibration Date(s):** 10/15/2024 10/16/2024

Continuing Calib Time: 16:10 **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)	7.01	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		8.63	8.64	8.54	8.74	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM **Case No.:** P4495 **SAS No.:** P4495 **SDG NO.:** P4495

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

Client Sample No.: CCAL02 **Date Analyzed:** 10/28/2024

Lab Sample No.: AR1660CCC500 **Data File :** PO107435.D **Time Analyzed:** 16:10

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.519	5.423	5.623	480.930	500.000	-3.8
Aroclor-1016-2	5.542	5.445	5.645	469.040	500.000	-6.2
Aroclor-1016-3	5.604	5.507	5.707	469.220	500.000	-6.2
Aroclor-1016-4	5.701	5.604	5.804	488.600	500.000	-2.3
Aroclor-1016-5	5.996	5.899	6.099	484.120	500.000	-3.2
Aroclor-1260-1	7.123	7.026	7.226	459.280	500.000	-8.1
Aroclor-1260-2	7.379	7.282	7.482	476.130	500.000	-4.8
Aroclor-1260-3	7.741	7.643	7.843	470.430	500.000	-5.9
Aroclor-1260-4	7.965	7.868	8.068	465.450	500.000	-6.9
Aroclor-1260-5	8.277	8.181	8.381	480.940	500.000	-3.8
Decachlorobiphenyl	10.055	9.958	10.158	47.620	50.000	-4.8
Tetrachloro-m-xylene	4.371	4.274	4.474	47.610	50.000	-4.8

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CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM **Case No.:** P4495 **SAS No.:** P4495 **SDG NO.:** P4495

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

Client Sample No.: CCAL02 **Date Analyzed:** 10/28/2024

Lab Sample No.: AR1660CCC500 **Data File :** PO107435.D **Time Analyzed:** 16:10

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.724	4.626	4.826	523.860	500.000	4.8
Aroclor-1016-2	4.743	4.645	4.845	530.430	500.000	6.1
Aroclor-1016-3	4.919	4.821	5.021	508.190	500.000	1.6
Aroclor-1016-4	4.960	4.862	5.062	491.260	500.000	-1.7
Aroclor-1016-5	5.173	5.076	5.276	531.290	500.000	6.3
Aroclor-1260-1	6.204	6.107	6.307	493.890	500.000	-1.2
Aroclor-1260-2	6.390	6.294	6.494	525.730	500.000	5.1
Aroclor-1260-3	6.544	6.448	6.648	507.540	500.000	1.5
Aroclor-1260-4	7.014	6.918	7.118	492.640	500.000	-1.5
Aroclor-1260-5	7.255	7.159	7.359	527.570	500.000	5.5
Decachlorobiphenyl	8.634	8.539	8.739	48.670	50.000	-2.7
Tetrachloro-m-xylene	3.643	3.545	3.745	51.710	50.000	3.4

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CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM **Case No.:** P4495 **SAS No.:** P4495 **SDG NO.:** P4495

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

Continuing Calib Time: 16:28 **Initial Calibration Time(s):** 09:34 10:46

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1221-1	(1)	4.57	4.57	4.47	4.67	0.00
Aroclor-1221-2	(2)	4.66	4.66	4.56	4.76	0.00
Aroclor-1221-3	(3)	4.73	4.73	4.63	4.83	0.00
Tetrachloro-m-xylene		4.37	4.37	4.27	4.47	0.00
Decachlorobiphenyl		10.06	10.06	9.96	10.16	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM **Case No.:** P4495 **SAS No.:** P4495 **SDG NO.:** P4495

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

Continuing Calib Time: 16:28 **Initial Calibration Time(s):** 09:34 10:46

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1221-1	(1)	3.86	3.86	3.76	3.96	0.00
Aroclor-1221-2	(2)	3.94	3.94	3.84	4.04	0.00
Aroclor-1221-3	(3)	4.02	4.02	3.92	4.12	0.00
Tetrachloro-m-xylene		3.64	3.64	3.54	3.74	0.00
Decachlorobiphenyl		8.63	8.63	8.53	8.73	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM **Case No.:** P4495 **SAS No.:** P4495 **SDG NO.:** P4495

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

Client Sample No.: CCAL07 **Date Analyzed:** 10/28/2024

Lab Sample No.: AR1221CCC500 **Data File :** PO107436.D **Time Analyzed:** 16:28

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1221-1	4.570	4.471	4.671	520.880	500.000	4.2
Aroclor-1221-2	4.655	4.556	4.756	510.950	500.000	2.2
Aroclor-1221-3	4.730	4.631	4.831	507.540	500.000	1.5
Decachlorobiphenyl	10.056	9.957	10.157	49.600	50.000	-0.8
Tetrachloro-m-xylene	4.371	4.271	4.471	52.200	50.000	4.4

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CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM **Case No.:** P4495 **SAS No.:** P4495 **SDG NO.:** P4495

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

Client Sample No.: CCAL07 **Date Analyzed:** 10/28/2024

Lab Sample No.: AR1221CCC500 **Data File :** PO107436.D **Time Analyzed:** 16:28

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1221-1	3.855	3.755	3.955	536.640	500.000	7.3
Aroclor-1221-2	3.941	3.840	4.040	516.940	500.000	3.4
Aroclor-1221-3	4.016	3.916	4.116	520.110	500.000	4.0
Decachlorobiphenyl	8.634	8.534	8.734	51.110	50.000	2.2
Tetrachloro-m-xylene	3.643	3.543	3.743	53.610	50.000	7.2

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Analytical Sequence

Client: Chemtech Consulting Group **SDG No.:** P4495

Project: NJ Soil PT **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	10/25/2024	09:25	PO107370.D	10.06	4.37
I.BLK	I.BLK	10/25/2024	10:59	PO107374.D	10.06	4.37
PB164397BL	PB164397BL	10/25/2024	13:10	PO107375.D	10.06	4.37
PB164397BS	PB164397BS	10/25/2024	13:28	PO107376.D	10.06	4.37
PT-PCB-SOIL	P4495-18	10/25/2024	13:46	PO107377.D	10.06	4.37
PT-PCB-SOILDL	P4495-18DL	10/25/2024	15:16	PO107381.D	10.06	4.37
AR1660CCC500	AR1660CCC500	10/25/2024	15:49	PO107382.D	10.06	4.37
I.BLK	I.BLK	10/25/2024	17:01	PO107386.D	10.06	4.37
OR-03-102424MS	P4531-01MS	10/25/2024	18:13	PO107390.D	10.06	4.37
OR-03-102424MSD	P4531-01MSD	10/25/2024	18:31	PO107391.D	10.06	4.37
AR1660CCC500	AR1660CCC500	10/25/2024	20:48	PO107397.D	10.06	4.37
I.BLK	I.BLK	10/25/2024	22:01	PO107401.D	10.06	4.37
I.BLK	I.BLK	10/28/2024	09:16	PO107414.D	10.06	4.37

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Analytical Sequence

AR1221ICC1000	AR1221ICC1000	10/28/2024	09:34	PO107415.D	10.06	4.37
AR1221ICC750	AR1221ICC750	10/28/2024	09:52	PO107416.D	10.06	4.37
AR1221ICC500	AR1221ICC500	10/28/2024	10:10	PO107417.D	10.06	4.37
AR1221ICC250	AR1221ICC250	10/28/2024	10:28	PO107418.D	10.06	4.37
AR1221ICC050	AR1221ICC050	10/28/2024	10:46	PO107419.D	10.06	4.37
AR1660CCC500	AR1660CCC500	10/28/2024	11:22	PO107421.D	10.05	4.37
AR1221CCC500	AR1221CCC500	10/28/2024	11:40	PO107422.D	10.06	4.37
I.BLK	I.BLK	10/28/2024	12:16	PO107424.D	10.05	4.37
PB164405BL	PB164405BL	10/28/2024	12:34	PO107425.D	10.05	4.37
PB164405BS	PB164405BS	10/28/2024	12:52	PO107426.D	10.06	4.37
PT-PCBO-SOIL	P4495-19	10/28/2024	13:10	PO107427.D	10.06	4.38
PT-PCBO-SOILDL	P4495-19DL	10/28/2024	15:52	PO107434.D	10.06	4.37
AR1660CCC500	AR1660CCC500	10/28/2024	16:10	PO107435.D	10.06	4.37
AR1221CCC500	AR1221CCC500	10/28/2024	16:28	PO107436.D	10.06	4.37
I.BLK	I.BLK	10/28/2024	17:40	PO107440.D	10.06	4.37

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Analytical Sequence

Client: Chemtech Consulting Group **SDG No.:** P4495

Project: NJ Soil PT **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	10/25/2024	09:25	PO107370.D	8.64	3.64
I.BLK	I.BLK	10/25/2024	10:59	PO107374.D	8.64	3.64
PB164397BL	PB164397BL	10/25/2024	13:10	PO107375.D	8.64	3.64
PB164397BS	PB164397BS	10/25/2024	13:28	PO107376.D	8.64	3.64
PT-PCB-SOIL	P4495-18	10/25/2024	13:46	PO107377.D	8.64	3.64
PT-PCB-SOILDL	P4495-18DL	10/25/2024	15:16	PO107381.D	8.64	3.65
AR1660CCC500	AR1660CCC500	10/25/2024	15:49	PO107382.D	8.64	3.65
I.BLK	I.BLK	10/25/2024	17:01	PO107386.D	8.64	3.64
OR-03-102424MS	P4531-01MS	10/25/2024	18:13	PO107390.D	8.64	3.64
OR-03-102424MSD	P4531-01MSD	10/25/2024	18:31	PO107391.D	8.64	3.65
AR1660CCC500	AR1660CCC500	10/25/2024	20:48	PO107397.D	8.64	3.64
I.BLK	I.BLK	10/25/2024	22:01	PO107401.D	8.64	3.64
I.BLK	I.BLK	10/28/2024	09:16	PO107414.D	8.64	3.64

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Analytical Sequence

AR1221ICC1000	AR1221ICC1000	10/28/2024	09:34	PO107415.D	8.64	3.64
AR1221ICC750	AR1221ICC750	10/28/2024	09:52	PO107416.D	8.63	3.64
AR1221ICC500	AR1221ICC500	10/28/2024	10:10	PO107417.D	8.63	3.64
AR1221ICC250	AR1221ICC250	10/28/2024	10:28	PO107418.D	8.64	3.64
AR1221ICC050	AR1221ICC050	10/28/2024	10:46	PO107419.D	8.64	3.64
AR1660CCC500	AR1660CCC500	10/28/2024	11:22	PO107421.D	8.63	3.64
AR1221CCC500	AR1221CCC500	10/28/2024	11:40	PO107422.D	8.63	3.64
I.BLK	I.BLK	10/28/2024	12:16	PO107424.D	8.63	3.64
PB164405BL	PB164405BL	10/28/2024	12:34	PO107425.D	8.63	3.64
PB164405BS	PB164405BS	10/28/2024	12:52	PO107426.D	8.64	3.64
PT-PCBO-SOIL	P4495-19	10/28/2024	13:10	PO107427.D	8.64	3.65
PT-PCBO-SOILDL	P4495-19DL	10/28/2024	15:52	PO107434.D	8.64	3.65
AR1660CCC500	AR1660CCC500	10/28/2024	16:10	PO107435.D	8.63	3.64
AR1221CCC500	AR1221CCC500	10/28/2024	16:28	PO107436.D	8.63	3.64
I.BLK	I.BLK	10/28/2024	17:40	PO107440.D	8.63	3.64

QC SAMPLE DATA

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

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	
Project:	NJ Soil PT	Date Received:	
Client Sample ID:	PB164397BL	SDG No.:	P4495
Lab Sample ID:	PB164397BL	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
PO107375.D	1	10/25/24 09:40	10/25/24 13:10	PB164397

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	22.4		32 - 144	112%	SPK: 20
2051-24-3	Decachlorobiphenyl	23.0		32 - 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

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

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	
Project:	NJ Soil PT	Date Received:	
Client Sample ID:	PB164405BL	SDG No.:	P4495
Lab Sample ID:	PB164405BL	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	100 Decanted:
Sample Wt/Vol:	1.02 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
PO107425.D	1	10/25/24 11:30	10/28/24 12:34	PB164405

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	99.7	U	99.7	500	ug/kg
11104-28-2	Aroclor-1221	189	U	189	500	ug/kg
11141-16-5	Aroclor-1232	100	U	100	500	ug/kg
53469-21-9	Aroclor-1242	99.7	U	99.7	500	ug/kg
12672-29-6	Aroclor-1248	232	U	232	500	ug/kg
11097-69-1	Aroclor-1254	80.3	U	80.3	500	ug/kg
37324-23-5	Aroclor-1262	134	U	134	500	ug/kg
11100-14-4	Aroclor-1268	101	U	101	500	ug/kg
11096-82-5	Aroclor-1260	85.6	U	85.6	500	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.4		32 - 144	97%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.8		32 - 175	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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Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	10/15/24
Project:	NJ Soil PT	Date Received:	10/15/24
Client Sample ID:	PIBLK-PO107183.D	SDG No.:	P4495
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		60 - 140	110%	SPK: 20
2051-24-3	Decachlorobiphenyl	22.8		60 - 140	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

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Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	10/25/24
Project:	NJ Soil PT	Date Received:	10/25/24
Client Sample ID:	PIBLK-PO107374.D	SDG No.:	P4495
Lab Sample ID:	I.BLK-PO107374.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
PO107374.D	1		10/25/24	PO102524

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	21.5		60 - 140	108%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.7		60 - 140	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:	Chemtech Consulting Group	Date Collected:	10/25/24
Project:	NJ Soil PT	Date Received:	10/25/24
Client Sample ID:	PIBLK-PO107386.D	SDG No.:	P4495
Lab Sample ID:	I.BLK-PO107386.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
PO107386.D	1		10/25/24	PO102524

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	22.0		60 - 140	110%	SPK: 20
2051-24-3	Decachlorobiphenyl	22.6		60 - 140	113%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
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P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	10/25/24
Project:	NJ Soil PT	Date Received:	10/25/24
Client Sample ID:	PIBLK-PO107401.D	SDG No.:	P4495
Lab Sample ID:	I.BLK-PO107401.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
PO107401.D	1		10/25/24	PO102524

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	22.0		60 - 140	110%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.2		60 - 140	101%	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:	Chemtech Consulting Group	Date Collected:	10/28/24
Project:	NJ Soil PT	Date Received:	10/28/24
Client Sample ID:	PIBLK-PO107414.D	SDG No.:	P4495
Lab Sample ID:	I.BLK-PO107414.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
PO107414.D	1		10/28/24	PO102824

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	18.9		60 - 140	95%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.4		60 - 140	102%	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:	Chemtech Consulting Group	Date Collected:	10/28/24
Project:	NJ Soil PT	Date Received:	10/28/24
Client Sample ID:	PIBLK-PO107424.D	SDG No.:	P4495
Lab Sample ID:	I.BLK-PO107424.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
PO107424.D	1		10/28/24	PO102824

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		60 - 140	96%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.6		60 - 140	98%	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:	Chemtech Consulting Group	Date Collected:	10/28/24
Project:	NJ Soil PT	Date Received:	10/28/24
Client Sample ID:	PIBLK-PO107440.D	SDG No.:	P4495
Lab Sample ID:	I.BLK-PO107440.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
PO107440.D	1		10/28/24	po102824

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	19.9		60 - 140	100%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.4		60 - 140	102%	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:	Chemtech Consulting Group	Date Collected:	
Project:	NJ Soil PT	Date Received:	
Client Sample ID:	PB164397BS	SDG No.:	P4495
Lab Sample ID:	PB164397BS	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
PO107376.D	1	10/25/24 09:40	10/25/24 13:28	PB164397

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	160		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	162		2.90	17.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.8		32 - 144	109%	SPK: 20
2051-24-3	Decachlorobiphenyl	22.4		32 - 175	112%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	
Project:	NJ Soil PT	Date Received:	
Client Sample ID:	PB164405BS	SDG No.:	P4495
Lab Sample ID:	PB164405BS	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	100 Decanted:
Sample Wt/Vol:	1.03 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
PO107426.D	1	10/25/24 11:30	10/28/24 12:52	PB164405

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4300		98.7	495	ug/kg
11104-28-2	Aroclor-1221	187	U	187	495	ug/kg
11141-16-5	Aroclor-1232	99.0	U	99.0	495	ug/kg
53469-21-9	Aroclor-1242	98.7	U	98.7	495	ug/kg
12672-29-6	Aroclor-1248	230	U	230	495	ug/kg
11097-69-1	Aroclor-1254	79.5	U	79.5	495	ug/kg
37324-23-5	Aroclor-1262	133	U	133	495	ug/kg
11100-14-4	Aroclor-1268	99.9	U	99.9	495	ug/kg
11096-82-5	Aroclor-1260	4400		84.8	495	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.1		32 - 144	95%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.3		32 - 175	102%	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:	Chemtech Consulting Group	Date Collected:	10/24/24
Project:	NJ Soil PT	Date Received:	10/24/24
Client Sample ID:	OR-03-102424MS	SDG No.:	P4495
Lab Sample ID:	P4531-01MS	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	94.3 Decanted:
Sample Wt/Vol:	30.07 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
PO107390.D	1	10/25/24 09:40	10/25/24 18:13	PB164397

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	170		3.60	18.0	ug/kg
11104-28-2	Aroclor-1221	6.80	U	6.80	18.0	ug/kg
11141-16-5	Aroclor-1232	3.60	U	3.60	18.0	ug/kg
53469-21-9	Aroclor-1242	3.60	U	3.60	18.0	ug/kg
12672-29-6	Aroclor-1248	8.30	U	8.30	18.0	ug/kg
11097-69-1	Aroclor-1254	2.90	U	2.90	18.0	ug/kg
37324-23-5	Aroclor-1262	4.80	U	4.80	18.0	ug/kg
11100-14-4	Aroclor-1268	3.60	U	3.60	18.0	ug/kg
11096-82-5	Aroclor-1260	155		3.10	18.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.3		32 - 144	96%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.4		32 - 175	97%	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:	Chemtech Consulting Group	Date Collected:	10/24/24
Project:	NJ Soil PT	Date Received:	10/24/24
Client Sample ID:	OR-03-102424MSD	SDG No.:	P4495
Lab Sample ID:	P4531-01MSD	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	94.3 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
PO107391.D	1	10/25/24 09:40	10/25/24 18:31	PB164397

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	173		3.60	18.0	ug/kg
11104-28-2	Aroclor-1221	6.80	U	6.80	18.0	ug/kg
11141-16-5	Aroclor-1232	3.60	U	3.60	18.0	ug/kg
53469-21-9	Aroclor-1242	3.60	U	3.60	18.0	ug/kg
12672-29-6	Aroclor-1248	8.40	U	8.40	18.0	ug/kg
11097-69-1	Aroclor-1254	2.90	U	2.90	18.0	ug/kg
37324-23-5	Aroclor-1262	4.80	U	4.80	18.0	ug/kg
11100-14-4	Aroclor-1268	3.60	U	3.60	18.0	ug/kg
11096-82-5	Aroclor-1260	157		3.10	18.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.9		32 - 144	100%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.5		32 - 175	97%	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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LAB CHRONICLE

OrderID:	P4495	**OrderDate:**	10/23/2024 10:29:00 AM
Client:	Chemtech Consulting Group	**Project:**	NJ Soil PT
Contact:	QA Officer	**Location:**	QA Office,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4495-10	**PT-MET-SOIL**	**SOIL**			**10/21/24**			**10/23/24**
			Mercury	7471B		10/30/24	10/31/24	
			Metals ICP-Group1	6010D		11/26/24	11/27/24	
			Metals ICP-Group1	6010D		11/26/24	12/04/24	

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Hit Summary Sheet
SW-846

SDG No.: P4495 **Order ID:** P4495

Client: Chemtech Consulting Group **Project ID:** NJ Soil PT

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID :	**PT-MET-SOIL**							
P4495-10	PT-MET-SOIL	SOIL	Aluminum	10700		2.14	4.44	mg/Kg
P4495-10	PT-MET-SOIL	SOIL	Antimony	50.3		0.13	2.22	mg/Kg
P4495-10	PT-MET-SOIL	SOIL	Arsenic	83.2		0.26	0.89	mg/Kg
P4495-10	PT-MET-SOIL	SOIL	Barium	265		0.57	4.44	mg/Kg
P4495-10	PT-MET-SOIL	SOIL	Beryllium	139	D	0.11	2.67	mg/Kg
P4495-10	PT-MET-SOIL	SOIL	Boron	308		0.70	4.44	mg/Kg
P4495-10	PT-MET-SOIL	SOIL	Cadmium	73.5		0.014	0.27	mg/Kg
P4495-10	PT-MET-SOIL	SOIL	Calcium	5000		2.49	88.9	mg/Kg
P4495-10	PT-MET-SOIL	SOIL	Chromium	283	D	0.24	2.22	mg/Kg
P4495-10	PT-MET-SOIL	SOIL	Cobalt	101		0.052	1.33	mg/Kg
P4495-10	PT-MET-SOIL	SOIL	Copper	229		0.42	0.89	mg/Kg
P4495-10	PT-MET-SOIL	SOIL	Iron	10400		2.39	4.44	mg/Kg
P4495-10	PT-MET-SOIL	SOIL	Lead	181		0.13	0.53	mg/Kg
P4495-10	PT-MET-SOIL	SOIL	Magnesium	6900		3.05	88.9	mg/Kg
P4495-10	PT-MET-SOIL	SOIL	Manganese	896		0.063	0.89	mg/Kg
P4495-10	PT-MET-SOIL	SOIL	Mercury	21.8	D	0.29	0.65	mg/Kg
P4495-10	PT-MET-SOIL	SOIL	Nickel	95.8		0.080	1.78	mg/Kg
P4495-10	PT-MET-SOIL	SOIL	Potassium	8040		25.5	88.9	mg/Kg
P4495-10	PT-MET-SOIL	SOIL	Selenium	164		0.29	0.89	mg/Kg
P4495-10	PT-MET-SOIL	SOIL	Silicon	430		3.64	17.8	mg/Kg
P4495-10	PT-MET-SOIL	SOIL	Silver	29.2		0.046	0.44	mg/Kg
P4495-10	PT-MET-SOIL	SOIL	Sulfur	409		0.30	1.78	mg/Kg
P4495-10	PT-MET-SOIL	SOIL	Sodium	8990		32.1	88.9	mg/Kg
P4495-10	PT-MET-SOIL	SOIL	Strontium	231		0.22	8.89	mg/Kg
P4495-10	PT-MET-SOIL	SOIL	Lithium	629	D	0.17	4.44	mg/Kg
P4495-10	PT-MET-SOIL	SOIL	Thallium	175		0.39	1.78	mg/Kg
P4495-10	PT-MET-SOIL	SOIL	Tin	73.7		0.15	1.78	mg/Kg
P4495-10	PT-MET-SOIL	SOIL	Titanium	350	D	0.98	8.89	mg/Kg
P4495-10	PT-MET-SOIL	SOIL	Vanadium	213		0.24	1.78	mg/Kg
P4495-10	PT-MET-SOIL	SOIL	Zinc	267		0.098	1.78	mg/Kg

SAMPLE DATA

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	10/21/24
Project:	NJ Soil PT	Date Received:	10/23/24
Client Sample ID:	PT-MET-SOIL	SDG No.:	P4495
Lab Sample ID:	P4495-10	Matrix:	SOIL
Level (low/med):	low	% Solid:	100

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	10700		1	2.14	4.44	mg/Kg	11/26/24 12:45	11/27/24 14:52	SW6010	SW3050
7440-36-0	Antimony	50.3		1	0.13	2.22	mg/Kg	11/26/24 12:45	11/27/24 14:52	SW6010	SW3050
7440-38-2	Arsenic	83.2		1	0.26	0.89	mg/Kg	11/26/24 12:45	11/27/24 14:52	SW6010	SW3050
7440-39-3	Barium	265		1	0.57	4.44	mg/Kg	11/26/24 12:45	11/27/24 14:52	SW6010	SW3050
7440-41-7	Beryllium	139	D	10	0.11	2.67	mg/Kg	11/26/24 12:45	12/04/24 14:33	SW6010	SW3050
7440-42-8	Boron	308		1	0.70	4.44	mg/Kg	11/26/24 12:45	11/27/24 14:52	SW6010	SW3050
7440-43-9	Cadmium	73.5		1	0.014	0.27	mg/Kg	11/26/24 12:45	11/27/24 14:52	SW6010	SW3050
7440-70-2	Calcium	5000		1	2.49	88.9	mg/Kg	11/26/24 12:45	11/27/24 14:52	SW6010	SW3050
7440-47-3	Chromium	283	D	5	0.24	2.22	mg/Kg	11/26/24 12:45	11/27/24 15:07	SW6010	SW3050
7440-48-4	Cobalt	101		1	0.052	1.33	mg/Kg	11/26/24 12:45	11/27/24 14:52	SW6010	SW3050
7440-50-8	Copper	229		1	0.42	0.89	mg/Kg	11/26/24 12:45	11/27/24 14:52	SW6010	SW3050
7439-89-6	Iron	10400		1	2.39	4.44	mg/Kg	11/26/24 12:45	11/27/24 14:52	SW6010	SW3050
7439-92-1	Lead	181		1	0.13	0.53	mg/Kg	11/26/24 12:45	11/27/24 14:52	SW6010	SW3050
7439-93-2	Lithium	629	D	5	0.17	4.44	mg/Kg	11/26/24 12:45	11/27/24 15:07	SW6010	SW3050
7439-95-4	Magnesium	6900		1	3.05	88.9	mg/Kg	11/26/24 12:45	11/27/24 14:52	SW6010	SW3050
7439-96-5	Manganese	896		1	0.063	0.89	mg/Kg	11/26/24 12:45	11/27/24 14:52	SW6010	SW3050
7439-97-6	Mercury	21.8	D	50	0.29	0.65	mg/Kg	10/30/24 16:50	10/31/24 12:00	SW7471B	
7440-02-0	Nickel	95.8		1	0.080	1.78	mg/Kg	11/26/24 12:45	11/27/24 14:52	SW6010	SW3050
7440-09-7	Potassium	8040		1	25.5	88.9	mg/Kg	11/26/24 12:45	11/27/24 14:52	SW6010	SW3050
7782-49-2	Selenium	164		1	0.29	0.89	mg/Kg	11/26/24 12:45	11/27/24 14:52	SW6010	SW3050
7440-21-3	Silicon	430		1	3.64	17.8	mg/Kg	11/26/24 12:45	11/27/24 14:52	SW6010	SW3050
7440-22-4	Silver	29.2		1	0.046	0.44	mg/Kg	11/26/24 12:45	11/27/24 14:52	SW6010	SW3050
7440-23-5	Sodium	8990		1	32.1	88.9	mg/Kg	11/26/24 12:45	11/27/24 14:52	SW6010	SW3050
7440-24-6	Strontium	231		1	0.22	8.89	mg/Kg	11/26/24 12:45	11/27/24 14:52	SW6010	SW3050
7704-34-9	Sulfur	409		1	0.30	1.78	mg/Kg	11/26/24 12:45	11/27/24 14:52	SW6010	SW3050
7440-28-0	Thallium	175		1	0.39	1.78	mg/Kg	11/26/24 12:45	11/27/24 14:52	SW6010	SW3050
7440-31-5	Tin	73.7		1	0.15	1.78	mg/Kg	11/26/24 12:45	11/27/24 14:52	SW6010	SW3050
7440-32-6	Titanium	350	D	5	0.98	8.89	mg/Kg	11/26/24 12:45	11/27/24 15:07	SW6010	SW3050
7440-62-2	Vanadium	213		1	0.24	1.78	mg/Kg	11/26/24 12:45	11/27/24 14:52	SW6010	SW3050
7440-66-6	Zinc	267		1	0.098	1.78	mg/Kg	11/26/24 12:45	11/27/24 14:52	SW6010	SW3050

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	
Comments:	Mercury				

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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Fax : 908 789 8922

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Chemtech Consulting Group **SDG No.:** P4495

Contract: CHEM02 **Lab Code:** CHEM **Case No.:** P4495 **SAS No.:** P4495

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
ICV61	Mercury	3.77	4.0	94	90 - 110	CV	10/31/2024	10:21	LB133227

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Chemtech Consulting Group **SDG No.:** P4495

Contract: CHEM02 **Lab Code:** CHEM **Case No.:** P4495 **SAS No.:** P4495

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
CCV04	Mercury	4.88	5.0	98	90 - 110	CV	10/31/2024	10:25	LB133227
CCV05	Mercury	4.92	5.0	98	90 - 110	CV	10/31/2024	10:56	LB133227
CCV06	Mercury	4.95	5.0	99	90 - 110	CV	10/31/2024	11:26	LB133227
CCV07	Mercury	4.93	5.0	99	90 - 110	CV	10/31/2024	12:02	LB133227

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Chemtech Consulting Group **SDG No.:** P4495

Contract: CHEM02 **Lab Code:** CHEM **Case No.:** P4495 **SAS No.:** P4495

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	Aluminum	2690	2500	108	90 - 110	P	11/27/2024	12:25	LB133669
	Antimony	1030	1000	103	90 - 110	P	11/27/2024	12:25	LB133669
	Arsenic	1040	1000	104	90 - 110	P	11/27/2024	12:25	LB133669
	Barium	546	520	105	90 - 110	P	11/27/2024	12:25	LB133669
	Beryllium	516	510	101	90 - 110	P	11/27/2024	12:25	LB133669
	Boron	2510	2500	100	90 - 110	P	11/27/2024	12:25	LB133669
	Cadmium	514	510	101	90 - 110	P	11/27/2024	12:25	LB133669
	Calcium	10400	10000	104	90 - 110	P	11/27/2024	12:25	LB133669
	Chromium	528	520	102	90 - 110	P	11/27/2024	12:25	LB133669
	Cobalt	518	520	100	90 - 110	P	11/27/2024	12:25	LB133669
	Copper	532	510	104	90 - 110	P	11/27/2024	12:25	LB133669
	Iron	9930	10000	99	90 - 110	P	11/27/2024	12:25	LB133669
	Lead	1020	1000	102	90 - 110	P	11/27/2024	12:25	LB133669
	Lithium	2380	2500	95	90 - 110	P	11/27/2024	12:25	LB133669
	Magnesium	6080	6000	101	90 - 110	P	11/27/2024	12:25	LB133669
	Manganese	533	520	103	90 - 110	P	11/27/2024	12:25	LB133669
	Nickel	520	530	98	90 - 110	P	11/27/2024	12:25	LB133669
	Potassium	10100	9900	102	90 - 110	P	11/27/2024	12:25	LB133669
	Selenium	1080	1000	108	90 - 110	P	11/27/2024	12:25	LB133669
	Silicon	2460	2500	98	90 - 110	P	11/27/2024	12:25	LB133669
	Silver	255	250	102	90 - 110	P	11/27/2024	12:25	LB133669
	Sodium	9690	10000	97	90 - 110	P	11/27/2024	12:25	LB133669
	Strontium	2440	2500	98	90 - 110	P	11/27/2024	12:25	LB133669
	Sulfur	2340	2500	93	90 - 110	P	11/27/2024	12:25	LB133669
	Thallium	1080	1000	108	90 - 110	P	11/27/2024	12:25	LB133669
	Tin	2490	2500	100	90 - 110	P	11/27/2024	12:25	LB133669
	Titanium	2610	2500	104	90 - 110	P	11/27/2024	12:25	LB133669
	Vanadium	522	500	104	90 - 110	P	11/27/2024	12:25	LB133669
	Zinc	1060	1000	106	90 - 110	P	11/27/2024	12:25	LB133669

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Chemtech Consulting Group **SDG No.:** P4495

Contract: CHEM02 **Lab Code:** CHEM **Case No.:** P4495 **SAS No.:** P4495

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	Aluminum	106	100	106	80 - 120	P	11/27/2024	12:38	LB133669
	Antimony	51.0	50.0	102	80 - 120	P	11/27/2024	12:38	LB133669
	Arsenic	21.9	20.0	109	80 - 120	P	11/27/2024	12:38	LB133669
	Barium	99.6	100	100	80 - 120	P	11/27/2024	12:38	LB133669
	Beryllium	5.87	6.0	98	80 - 120	P	11/27/2024	12:38	LB133669
	Boron	104	100	104	80 - 120	P	11/27/2024	12:38	LB133669
	Cadmium	5.82	6.0	97	80 - 120	P	11/27/2024	12:38	LB133669
	Calcium	2010	2000	100	80 - 120	P	11/27/2024	12:38	LB133669
	Chromium	10.4	10.0	104	80 - 120	P	11/27/2024	12:38	LB133669
	Cobalt	29.5	30.0	98	80 - 120	P	11/27/2024	12:38	LB133669
	Copper	22.1	20.0	111	80 - 120	P	11/27/2024	12:38	LB133669
	Iron	98.4	100	98	80 - 120	P	11/27/2024	12:38	LB133669
	Lead	11.9	12.0	99	80 - 120	P	11/27/2024	12:38	LB133669
	Lithium	18.8	20.0	94	80 - 120	P	11/27/2024	12:38	LB133669
	Magnesium	2070	2000	103	80 - 120	P	11/27/2024	12:38	LB133669
	Manganese	20.3	20.0	102	80 - 120	P	11/27/2024	12:38	LB133669
	Nickel	39.1	40.0	98	80 - 120	P	11/27/2024	12:38	LB133669
	Potassium	1890	2000	94	80 - 120	P	11/27/2024	12:38	LB133669
	Selenium	19.7	20.0	98	80 - 120	P	11/27/2024	12:38	LB133669
	Silicon	338	400	84	80 - 120	P	11/27/2024	12:38	LB133669
	Silver	10.4	10.0	104	80 - 120	P	11/27/2024	12:38	LB133669
	Sodium	1760	2000	88	80 - 120	P	11/27/2024	12:38	LB133669
	Strontium	20.7	20.0	104	80 - 120	P	11/27/2024	12:38	LB133669
	Sulfur	18.4	20.0	92	80 - 120	P	11/27/2024	12:38	LB133669
	Thallium	42.2	40.0	106	80 - 120	P	11/27/2024	12:38	LB133669
	Tin	38.5	40.0	96	80 - 120	P	11/27/2024	12:38	LB133669
	Titanium	40.1	40.0	100	80 - 120	P	11/27/2024	12:38	LB133669
	Vanadium	39.9	40.0	100	80 - 120	P	11/27/2024	12:38	LB133669
	Zinc	47.3	40.0	118	80 - 120	P	11/27/2024	12:38	LB133669

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Chemtech Consulting Group **SDG No.:** P4495

Contract: CHEM02 **Lab Code:** CHEM **Case No.:** P4495 **SAS No.:** P4495

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	Aluminum	10600	10000	106	90 - 110	P	11/27/2024	14:08	LB133669
	Antimony	5250	5000	105	90 - 110	P	11/27/2024	14:08	LB133669
	Arsenic	5220	5000	104	90 - 110	P	11/27/2024	14:08	LB133669
	Barium	10600	10000	106	90 - 110	P	11/27/2024	14:08	LB133669
	Beryllium	264	250	105	90 - 110	P	11/27/2024	14:08	LB133669
	Boron	5250	5000	105	90 - 110	P	11/27/2024	14:08	LB133669
	Cadmium	2590	2500	104	90 - 110	P	11/27/2024	14:08	LB133669
	Calcium	26100	25000	104	90 - 110	P	11/27/2024	14:08	LB133669
	Chromium	1060	1000	106	90 - 110	P	11/27/2024	14:08	LB133669
	Cobalt	2590	2500	104	90 - 110	P	11/27/2024	14:08	LB133669
	Copper	1320	1250	106	90 - 110	P	11/27/2024	14:08	LB133669
	Iron	5210	5000	104	90 - 110	P	11/27/2024	14:08	LB133669
	Lead	5190	5000	104	90 - 110	P	11/27/2024	14:08	LB133669
	Lithium	5300	5000	106	90 - 110	P	11/27/2024	14:08	LB133669
	Magnesium	26000	25000	104	90 - 110	P	11/27/2024	14:08	LB133669
	Manganese	2600	2500	104	90 - 110	P	11/27/2024	14:08	LB133669
	Nickel	2590	2500	104	90 - 110	P	11/27/2024	14:08	LB133669
	Potassium	26400	25000	106	90 - 110	P	11/27/2024	14:08	LB133669
	Selenium	5220	5000	104	90 - 110	P	11/27/2024	14:08	LB133669
	Silicon	5210	5000	104	90 - 110	P	11/27/2024	14:08	LB133669
	Silver	1310	1250	105	90 - 110	P	11/27/2024	14:08	LB133669
	Sodium	27000	25000	108	90 - 110	P	11/27/2024	14:08	LB133669
	Strontium	5360	5000	107	90 - 110	P	11/27/2024	14:08	LB133669
	Sulfur	5080	5000	102	90 - 110	P	11/27/2024	14:08	LB133669
	Thallium	4830	5000	97	90 - 110	P	11/27/2024	14:08	LB133669
	Tin	5180	5000	104	90 - 110	P	11/27/2024	14:08	LB133669
	Titanium	5260	5000	105	90 - 110	P	11/27/2024	14:08	LB133669
	Vanadium	2640	2500	106	90 - 110	P	11/27/2024	14:08	LB133669
	Zinc	2660	2500	106	90 - 110	P	11/27/2024	14:08	LB133669
CCV02	Aluminum	9850	10000	98	90 - 110	P	11/27/2024	15:50	LB133669
	Antimony	4830	5000	97	90 - 110	P	11/27/2024	15:50	LB133669
	Arsenic	4810	5000	96	90 - 110	P	11/27/2024	15:50	LB133669
	Barium	10100	10000	101	90 - 110	P	11/27/2024	15:50	LB133669
	Beryllium	255	250	102	90 - 110	P	11/27/2024	15:50	LB133669

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Chemtech Consulting Group **SDG No.:** P4495

Contract: CHEM02 **Lab Code:** CHEM **Case No.:** P4495 **SAS No.:** P4495

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
CCV02	Boron	5080	5000	102	90 - 110	P	11/27/2024	15:50	LB133669
	Cadmium	2430	2500	97	90 - 110	P	11/27/2024	15:50	LB133669
	Calcium	25000	25000	100	90 - 110	P	11/27/2024	15:50	LB133669
	Chromium	978	1000	98	90 - 110	P	11/27/2024	15:50	LB133669
	Cobalt	2420	2500	97	90 - 110	P	11/27/2024	15:50	LB133669
	Copper	1210	1250	97	90 - 110	P	11/27/2024	15:50	LB133669
	Iron	4830	5000	97	90 - 110	P	11/27/2024	15:50	LB133669
	Lead	4880	5000	98	90 - 110	P	11/27/2024	15:50	LB133669
	Lithium	4900	5000	98	90 - 110	P	11/27/2024	15:50	LB133669
	Magnesium	24600	25000	99	90 - 110	P	11/27/2024	15:50	LB133669
	Manganese	2510	2500	101	90 - 110	P	11/27/2024	15:50	LB133669
	Nickel	2420	2500	97	90 - 110	P	11/27/2024	15:50	LB133669
	Potassium	23800	25000	95	90 - 110	P	11/27/2024	15:50	LB133669
	Selenium	4840	5000	97	90 - 110	P	11/27/2024	15:50	LB133669
	Silicon	4720	5000	94	90 - 110	P	11/27/2024	15:50	LB133669
	Silver	1220	1250	98	90 - 110	P	11/27/2024	15:50	LB133669
	Sodium	24400	25000	98	90 - 110	P	11/27/2024	15:50	LB133669
	Strontium	5120	5000	102	90 - 110	P	11/27/2024	15:50	LB133669
	Sulfur	4850	5000	97	90 - 110	P	11/27/2024	15:50	LB133669
	Thallium	4980	5000	100	90 - 110	P	11/27/2024	15:50	LB133669
	Tin	4880	5000	98	90 - 110	P	11/27/2024	15:50	LB133669
	Titanium	5000	5000	100	90 - 110	P	11/27/2024	15:50	LB133669
	Vanadium	2500	2500	100	90 - 110	P	11/27/2024	15:50	LB133669
	Zinc	2460	2500	99	90 - 110	P	11/27/2024	15:50	LB133669
CCV03	Aluminum	10600	10000	106	90 - 110	P	11/27/2024	16:03	LB133669
	Antimony	5230	5000	104	90 - 110	P	11/27/2024	16:03	LB133669
	Arsenic	5230	5000	104	90 - 110	P	11/27/2024	16:03	LB133669
	Barium	10700	10000	108	90 - 110	P	11/27/2024	16:03	LB133669
	Beryllium	272	250	109	90 - 110	P	11/27/2024	16:03	LB133669
	Boron	5400	5000	108	90 - 110	P	11/27/2024	16:03	LB133669
	Cadmium	2660	2500	106	90 - 110	P	11/27/2024	16:03	LB133669
	Calcium	26900	25000	108	90 - 110	P	11/27/2024	16:03	LB133669
	Chromium	1060	1000	106	90 - 110	P	11/27/2024	16:03	LB133669
	Cobalt	2650	2500	106	90 - 110	P	11/27/2024	16:03	LB133669

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Chemtech Consulting Group **SDG No.:** P4495

Contract: CHEM02 **Lab Code:** CHEM **Case No.:** P4495 **SAS No.:** P4495

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
CCV03	Copper	1320	1250	105	90 - 110	P	11/27/2024	16:03	LB133669
	Iron	5160	5000	103	90 - 110	P	11/27/2024	16:03	LB133669
	Lead	5310	5000	106	90 - 110	P	11/27/2024	16:03	LB133669
	Lithium	5230	5000	105	90 - 110	P	11/27/2024	16:03	LB133669
	Magnesium	26700	25000	107	90 - 110	P	11/27/2024	16:03	LB133669
	Manganese	2690	2500	108	90 - 110	P	11/27/2024	16:03	LB133669
	Nickel	2650	2500	106	90 - 110	P	11/27/2024	16:03	LB133669
	Potassium	25400	25000	101	90 - 110	P	11/27/2024	16:03	LB133669
	Selenium	5240	5000	105	90 - 110	P	11/27/2024	16:03	LB133669
	Silicon	5070	5000	101	90 - 110	P	11/27/2024	16:03	LB133669
	Silver	1300	1250	104	90 - 110	P	11/27/2024	16:03	LB133669
	Sodium	25800	25000	103	90 - 110	P	11/27/2024	16:03	LB133669
	Strontium	5470	5000	109	90 - 110	P	11/27/2024	16:03	LB133669
	Sulfur	5300	5000	106	90 - 110	P	11/27/2024	16:03	LB133669
	Thallium	5420	5000	108	90 - 110	P	11/27/2024	16:03	LB133669
	Tin	5360	5000	107	90 - 110	P	11/27/2024	16:03	LB133669
	Titanium	5370	5000	107	90 - 110	P	11/27/2024	16:03	LB133669
	Vanadium	2700	2500	108	90 - 110	P	11/27/2024	16:03	LB133669
	Zinc	2630	2500	105	90 - 110	P	11/27/2024	16:03	LB133669
CCV04	Aluminum	10600	10000	106	90 - 110	P	11/27/2024	16:39	LB133669
	Antimony	5250	5000	105	90 - 110	P	11/27/2024	16:39	LB133669
	Arsenic	5240	5000	105	90 - 110	P	11/27/2024	16:39	LB133669
	Barium	10700	10000	107	90 - 110	P	11/27/2024	16:39	LB133669
	Beryllium	263	250	105	90 - 110	P	11/27/2024	16:39	LB133669
	Boron	5250	5000	105	90 - 110	P	11/27/2024	16:39	LB133669
	Cadmium	2610	2500	104	90 - 110	P	11/27/2024	16:39	LB133669
	Calcium	26300	25000	105	90 - 110	P	11/27/2024	16:39	LB133669
	Chromium	1050	1000	105	90 - 110	P	11/27/2024	16:39	LB133669
	Cobalt	2610	2500	104	90 - 110	P	11/27/2024	16:39	LB133669
	Copper	1310	1250	105	90 - 110	P	11/27/2024	16:39	LB133669
	Iron	5210	5000	104	90 - 110	P	11/27/2024	16:39	LB133669
	Lead	5230	5000	105	90 - 110	P	11/27/2024	16:39	LB133669
	Lithium	5220	5000	104	90 - 110	P	11/27/2024	16:39	LB133669
	Magnesium	26200	25000	105	90 - 110	P	11/27/2024	16:39	LB133669

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Chemtech Consulting Group **SDG No.:** P4495

Contract: CHEM02 **Lab Code:** CHEM **Case No.:** P4495 **SAS No.:** P4495

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	Manganese	2630	2500	105	90 - 110	P	11/27/2024	16:39	LB133669
	Nickel	2610	2500	104	90 - 110	P	11/27/2024	16:39	LB133669
	Potassium	26000	25000	104	90 - 110	P	11/27/2024	16:39	LB133669
	Selenium	5260	5000	105	90 - 110	P	11/27/2024	16:39	LB133669
	Silicon	5170	5000	103	90 - 110	P	11/27/2024	16:39	LB133669
	Silver	1300	1250	104	90 - 110	P	11/27/2024	16:39	LB133669
	Sodium	26000	25000	104	90 - 110	P	11/27/2024	16:39	LB133669
	Strontium	5440	5000	109	90 - 110	P	11/27/2024	16:39	LB133669
	Sulfur	5160	5000	103	90 - 110	P	11/27/2024	16:39	LB133669
	Thallium	5290	5000	106	90 - 110	P	11/27/2024	16:39	LB133669
	Tin	5260	5000	105	90 - 110	P	11/27/2024	16:39	LB133669
	Titanium	5300	5000	106	90 - 110	P	11/27/2024	16:39	LB133669
	Vanadium	2670	2500	107	90 - 110	P	11/27/2024	16:39	LB133669
	Zinc	2640	2500	106	90 - 110	P	11/27/2024	16:39	LB133669
CCV05	Aluminum	10600	10000	106	90 - 110	P	11/27/2024	17:34	LB133669
	Antimony	5170	5000	103	90 - 110	P	11/27/2024	17:34	LB133669
	Arsenic	5120	5000	102	90 - 110	P	11/27/2024	17:34	LB133669
	Barium	10600	10000	106	90 - 110	P	11/27/2024	17:34	LB133669
	Beryllium	264	250	106	90 - 110	P	11/27/2024	17:34	LB133669
	Boron	5280	5000	106	90 - 110	P	11/27/2024	17:34	LB133669
	Cadmium	2570	2500	103	90 - 110	P	11/27/2024	17:34	LB133669
	Calcium	26200	25000	105	90 - 110	P	11/27/2024	17:34	LB133669
	Chromium	1030	1000	104	90 - 110	P	11/27/2024	17:34	LB133669
	Cobalt	2570	2500	103	90 - 110	P	11/27/2024	17:34	LB133669
	Copper	1290	1250	103	90 - 110	P	11/27/2024	17:34	LB133669
	Iron	5180	5000	104	90 - 110	P	11/27/2024	17:34	LB133669
	Lead	5150	5000	103	90 - 110	P	11/27/2024	17:34	LB133669
	Lithium	5220	5000	104	90 - 110	P	11/27/2024	17:34	LB133669
	Magnesium	26000	25000	104	90 - 110	P	11/27/2024	17:34	LB133669
	Manganese	2640	2500	106	90 - 110	P	11/27/2024	17:34	LB133669
	Nickel	2570	2500	103	90 - 110	P	11/27/2024	17:34	LB133669
	Potassium	25500	25000	102	90 - 110	P	11/27/2024	17:34	LB133669
	Selenium	5130	5000	103	90 - 110	P	11/27/2024	17:34	LB133669
	Silicon	5000	5000	100	90 - 110	P	11/27/2024	17:34	LB133669

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Chemtech Consulting Group **SDG No.:** P4495

Contract: CHEM02 **Lab Code:** CHEM **Case No.:** P4495 **SAS No.:** P4495

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
CCV05	Silver	1280	1250	102	90 - 110	P	11/27/2024	17:34	LB133669
	Sodium	26300	25000	105	90 - 110	P	11/27/2024	17:34	LB133669
	Strontium	5400	5000	108	90 - 110	P	11/27/2024	17:34	LB133669
	Sulfur	5070	5000	101	90 - 110	P	11/27/2024	17:34	LB133669
	Thallium	5060	5000	101	90 - 110	P	11/27/2024	17:34	LB133669
	Tin	5150	5000	103	90 - 110	P	11/27/2024	17:34	LB133669
	Titanium	5280	5000	106	90 - 110	P	11/27/2024	17:34	LB133669
	Vanadium	2640	2500	106	90 - 110	P	11/27/2024	17:34	LB133669
	Zinc	2560	2500	103	90 - 110	P	11/27/2024	17:34	LB133669

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Chemtech Consulting Group **SDG No.:** P4495

Contract: CHEM02 **Lab Code:** CHEM **Case No.:** P4495 **SAS No.:** P4495

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	Aluminum	2510	2500	100	90 - 110	P	12/04/2024	13:22	LB133739
	Antimony	984	1000	98	90 - 110	P	12/04/2024	13:22	LB133739
	Arsenic	977	1000	98	90 - 110	P	12/04/2024	13:22	LB133739
	Barium	508	520	98	90 - 110	P	12/04/2024	13:22	LB133739
	Beryllium	498	510	98	90 - 110	P	12/04/2024	13:22	LB133739
	Cadmium	497	510	98	90 - 110	P	12/04/2024	13:22	LB133739
	Calcium	9770	10000	98	90 - 110	P	12/04/2024	13:22	LB133739
	Chromium	511	520	98	90 - 110	P	12/04/2024	13:22	LB133739
	Cobalt	498	520	96	90 - 110	P	12/04/2024	13:22	LB133739
	Copper	509	510	100	90 - 110	P	12/04/2024	13:22	LB133739
	Iron	9610	10000	96	90 - 110	P	12/04/2024	13:22	LB133739
	Lead	983	1000	98	90 - 110	P	12/04/2024	13:22	LB133739
	Magnesium	5740	6000	96	90 - 110	P	12/04/2024	13:22	LB133739
	Manganese	505	520	97	90 - 110	P	12/04/2024	13:22	LB133739
	Nickel	500	530	94	90 - 110	P	12/04/2024	13:22	LB133739
	Potassium	9630	9900	97	90 - 110	P	12/04/2024	13:22	LB133739
	Selenium	1010	1000	100	90 - 110	P	12/04/2024	13:22	LB133739
	Silver	246	250	98	90 - 110	P	12/04/2024	13:22	LB133739
	Sodium	9770	10000	98	90 - 110	P	12/04/2024	13:22	LB133739
	Thallium	1020	1000	102	90 - 110	P	12/04/2024	13:22	LB133739
	Vanadium	499	500	100	90 - 110	P	12/04/2024	13:22	LB133739
	Zinc	1020	1000	102	90 - 110	P	12/04/2024	13:22	LB133739

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Chemtech Consulting Group **SDG No.:** P4495

Contract: CHEM02 **Lab Code:** CHEM **Case No.:** P4495 **SAS No.:** P4495

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	Aluminum	109	100	109	80 - 120	P	12/04/2024	13:34	LB133739
	Antimony	48.7	50.0	98	80 - 120	P	12/04/2024	13:34	LB133739
	Arsenic	18.8	20.0	94	80 - 120	P	12/04/2024	13:34	LB133739
	Barium	98.9	100	99	80 - 120	P	12/04/2024	13:34	LB133739
	Beryllium	6.05	6.0	101	80 - 120	P	12/04/2024	13:34	LB133739
	Cadmium	5.97	6.0	100	80 - 120	P	12/04/2024	13:34	LB133739
	Calcium	2010	2000	101	80 - 120	P	12/04/2024	13:34	LB133739
	Chromium	10.4	10.0	104	80 - 120	P	12/04/2024	13:34	LB133739
	Cobalt	29.4	30.0	98	80 - 120	P	12/04/2024	13:34	LB133739
	Copper	22.2	20.0	111	80 - 120	P	12/04/2024	13:34	LB133739
	Iron	99.8	100	100	80 - 120	P	12/04/2024	13:34	LB133739
	Lead	11.0	12.0	92	80 - 120	P	12/04/2024	13:34	LB133739
	Magnesium	2130	2000	106	80 - 120	P	12/04/2024	13:34	LB133739
	Manganese	21.1	20.0	105	80 - 120	P	12/04/2024	13:34	LB133739
	Nickel	39.4	40.0	98	80 - 120	P	12/04/2024	13:34	LB133739
	Potassium	1940	2000	97	80 - 120	P	12/04/2024	13:34	LB133739
	Selenium	21.4	20.0	107	80 - 120	P	12/04/2024	13:34	LB133739
	Silver	10.8	10.0	108	80 - 120	P	12/04/2024	13:34	LB133739
	Sodium	2040	2000	102	80 - 120	P	12/04/2024	13:34	LB133739
	Thallium	43.5	40.0	109	80 - 120	P	12/04/2024	13:34	LB133739
	Vanadium	40.7	40.0	102	80 - 120	P	12/04/2024	13:34	LB133739
	Zinc	43.2	40.0	108	80 - 120	P	12/04/2024	13:34	LB133739

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Chemtech Consulting Group **SDG No.:** P4495

Contract: CHEM02 **Lab Code:** CHEM **Case No.:** P4495 **SAS No.:** P4495

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	Aluminum	9930	10000	99	90 - 110	P	12/04/2024	14:20	LB133739
	Antimony	5140	5000	103	90 - 110	P	12/04/2024	14:20	LB133739
	Arsenic	5050	5000	101	90 - 110	P	12/04/2024	14:20	LB133739
	Barium	9600	10000	96	90 - 110	P	12/04/2024	14:20	LB133739
	Beryllium	229	250	92	90 - 110	P	12/04/2024	14:20	LB133739
	Cadmium	2350	2500	94	90 - 110	P	12/04/2024	14:20	LB133739
	Calcium	23000	25000	92	90 - 110	P	12/04/2024	14:20	LB133739
	Chromium	971	1000	97	90 - 110	P	12/04/2024	14:20	LB133739
	Cobalt	2360	2500	94	90 - 110	P	12/04/2024	14:20	LB133739
	Copper	1270	1250	102	90 - 110	P	12/04/2024	14:20	LB133739
	Iron	4790	5000	96	90 - 110	P	12/04/2024	14:20	LB133739
	Lead	4780	5000	96	90 - 110	P	12/04/2024	14:20	LB133739
	Magnesium	23600	25000	94	90 - 110	P	12/04/2024	14:20	LB133739
	Manganese	2290	2500	92	90 - 110	P	12/04/2024	14:20	LB133739
	Nickel	2370	2500	95	90 - 110	P	12/04/2024	14:20	LB133739
	Potassium	25600	25000	102	90 - 110	P	12/04/2024	14:20	LB133739
	Selenium	5090	5000	102	90 - 110	P	12/04/2024	14:20	LB133739
	Silver	1210	1250	97	90 - 110	P	12/04/2024	14:20	LB133739
	Sodium	26900	25000	108	90 - 110	P	12/04/2024	14:20	LB133739
	Thallium	4870	5000	97	90 - 110	P	12/04/2024	14:20	LB133739
	Vanadium	2390	2500	96	90 - 110	P	12/04/2024	14:20	LB133739
	Zinc	2520	2500	101	90 - 110	P	12/04/2024	14:20	LB133739
CCV02	Aluminum	9920	10000	99	90 - 110	P	12/04/2024	14:37	LB133739
	Antimony	5170	5000	103	90 - 110	P	12/04/2024	14:37	LB133739
	Arsenic	5090	5000	102	90 - 110	P	12/04/2024	14:37	LB133739
	Barium	9840	10000	98	90 - 110	P	12/04/2024	14:37	LB133739
	Beryllium	229	250	92	90 - 110	P	12/04/2024	14:37	LB133739
	Cadmium	2370	2500	95	90 - 110	P	12/04/2024	14:37	LB133739
	Calcium	23200	25000	93	90 - 110	P	12/04/2024	14:37	LB133739
	Chromium	969	1000	97	90 - 110	P	12/04/2024	14:37	LB133739
	Cobalt	2380	2500	95	90 - 110	P	12/04/2024	14:37	LB133739
	Copper	1280	1250	103	90 - 110	P	12/04/2024	14:37	LB133739
	Iron	4860	5000	97	90 - 110	P	12/04/2024	14:37	LB133739
	Lead	4820	5000	96	90 - 110	P	12/04/2024	14:37	LB133739

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Chemtech Consulting Group **SDG No.:** P4495

Contract: CHEM02 **Lab Code:** CHEM **Case No.:** P4495 **SAS No.:** P4495

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
CCV02	Magnesium	23800	25000	95	90 - 110	P	12/04/2024	14:37	LB133739
	Manganese	2320	2500	93	90 - 110	P	12/04/2024	14:37	LB133739
	Nickel	2390	2500	96	90 - 110	P	12/04/2024	14:37	LB133739
	Potassium	26000	25000	104	90 - 110	P	12/04/2024	14:37	LB133739
	Selenium	5150	5000	103	90 - 110	P	12/04/2024	14:37	LB133739
	Silver	1220	1250	97	90 - 110	P	12/04/2024	14:37	LB133739
	Sodium	27000	25000	108	90 - 110	P	12/04/2024	14:37	LB133739
	Thallium	4960	5000	99	90 - 110	P	12/04/2024	14:37	LB133739
	Vanadium	2410	2500	96	90 - 110	P	12/04/2024	14:37	LB133739
	Zinc	2550	2500	102	90 - 110	P	12/04/2024	14:37	LB133739

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Metals

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CRDL STANDARD FOR AA & ICP

Client: Chemtech Consulting Group **SDG No.:** P4495

Contract: CHEM02 **Lab Code:** CHEM **Case No.:** P4495 **SAS No.:** P4495

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	0.23	0.2	114	40 - 160	CV	10/31/2024	10:30	LB133227
CRI01	Aluminum	111	100	111	40 - 160	P	11/27/2024	12:47	LB133669
	Antimony	49.4	50.0	99	40 - 160	P	11/27/2024	12:47	LB133669
	Arsenic	22.6	20.0	113	40 - 160	P	11/27/2024	12:47	LB133669
	Barium	105	100	105	40 - 160	P	11/27/2024	12:47	LB133669
	Beryllium	6.16	6.0	103	40 - 160	P	11/27/2024	12:47	LB133669
	Boron	108	100	108	40 - 160	P	11/27/2024	12:47	LB133669
	Cadmium	5.94	6.0	99	40 - 160	P	11/27/2024	12:47	LB133669
	Calcium	2120	2000	106	40 - 160	P	11/27/2024	12:47	LB133669
	Chromium	9.62	10.0	96	40 - 160	P	11/27/2024	12:47	LB133669
	Cobalt	29.6	30.0	98	40 - 160	P	11/27/2024	12:47	LB133669
	Copper	22.2	20.0	111	40 - 160	P	11/27/2024	12:47	LB133669
	Iron	98.1	100	98	40 - 160	P	11/27/2024	12:47	LB133669
	Lead	11.4	12.0	95	40 - 160	P	11/27/2024	12:47	LB133669
	Lithium	20.2	20.0	101	40 - 160	P	11/27/2024	12:47	LB133669
	Magnesium	2200	2000	110	40 - 160	P	11/27/2024	12:47	LB133669
	Manganese	21.6	20.0	108	40 - 160	P	11/27/2024	12:47	LB133669
	Nickel	39.4	40.0	98	40 - 160	P	11/27/2024	12:47	LB133669
	Potassium	1920	2000	96	40 - 160	P	11/27/2024	12:47	LB133669
	Selenium	20.3	20.0	102	40 - 160	P	11/27/2024	12:47	LB133669
	Silicon	341	400	85	40 - 160	P	11/27/2024	12:47	LB133669
	Silver	10.0	10.0	100	40 - 160	P	11/27/2024	12:47	LB133669
	Sodium	1740	2000	87	40 - 160	P	11/27/2024	12:47	LB133669
	Strontium	22.0	20.0	110	40 - 160	P	11/27/2024	12:47	LB133669
	Sulfur	17.2	20.0	86	40 - 160	P	11/27/2024	12:47	LB133669
	Thallium	41.9	40.0	105	40 - 160	P	11/27/2024	12:47	LB133669
	Tin	38.2	40.0	96	40 - 160	P	11/27/2024	12:47	LB133669
	Titanium	42.7	40.0	107	40 - 160	P	11/27/2024	12:47	LB133669
	Vanadium	41.9	40.0	105	40 - 160	P	11/27/2024	12:47	LB133669
	Zinc	44.2	40.0	110	40 - 160	P	11/27/2024	12:47	LB133669
CRI01	Aluminum	107	100	107	40 - 160	P	12/04/2024	13:52	LB133739
	Antimony	49.5	50.0	99	40 - 160	P	12/04/2024	13:52	LB133739
	Arsenic	20.4	20.0	102	40 - 160	P	12/04/2024	13:52	LB133739
	Barium	96.1	100	96	40 - 160	P	12/04/2024	13:52	LB133739
	Beryllium	6.11	6.0	102	40 - 160	P	12/04/2024	13:52	LB133739

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Metals

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CRDL STANDARD FOR AA & ICP

Client: Chemtech Consulting Group **SDG No.:** P4495

Contract: CHEM02 **Lab Code:** CHEM **Case No.:** P4495 **SAS No.:** P4495

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
CRI01	Cadmium	6.04	6.0	101	40 - 160	P	12/04/2024	13:52	LB133739
	Calcium	2040	2000	102	40 - 160	P	12/04/2024	13:52	LB133739
	Chromium	10.6	10.0	106	40 - 160	P	12/04/2024	13:52	LB133739
	Cobalt	29.9	30.0	100	40 - 160	P	12/04/2024	13:52	LB133739
	Copper	22.1	20.0	110	40 - 160	P	12/04/2024	13:52	LB133739
	Iron	99.7	100	100	40 - 160	P	12/04/2024	13:52	LB133739
	Lead	11.2	12.0	94	40 - 160	P	12/04/2024	13:52	LB133739
	Magnesium	2160	2000	108	40 - 160	P	12/04/2024	13:52	LB133739
	Manganese	20.7	20.0	104	40 - 160	P	12/04/2024	13:52	LB133739
	Nickel	40.0	40.0	100	40 - 160	P	12/04/2024	13:52	LB133739
	Potassium	1920	2000	96	40 - 160	P	12/04/2024	13:52	LB133739
	Selenium	20.6	20.0	103	40 - 160	P	12/04/2024	13:52	LB133739
	Silver	10.6	10.0	106	40 - 160	P	12/04/2024	13:52	LB133739
	Sodium	2040	2000	102	40 - 160	P	12/04/2024	13:52	LB133739
	Thallium	42.4	40.0	106	40 - 160	P	12/04/2024	13:52	LB133739
	Vanadium	41.9	40.0	105	40 - 160	P	12/04/2024	13:52	LB133739
	Zinc	43.5	40.0	109	40 - 160	P	12/04/2024	13:52	LB133739

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Chemtech Consulting Group **SDG No.:** P4495

Contract: CHEM02 **Lab Code:** CHEM **Case No.:** P4495 **SAS No.:** P4495

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB61	Mercury	0.20	+/-0.20	U	0.20	CV	10/31/2024	10:23	LB133227

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Chemtech Consulting Group **SDG No.:** P4495

Contract: CHEM02 **Lab Code:** CHEM **Case No.:** P4495 **SAS No.:** P4495

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB04	Mercury	0.20	+/-0.20	U	0.20	CV	10/31/2024	10:27	LB133227
CCB05	Mercury	0.20	+/-0.20	U	0.20	CV	10/31/2024	11:01	LB133227
CCB06	Mercury	0.20	+/-0.20	U	0.20	CV	10/31/2024	11:31	LB133227
CCB07	Mercury	0.20	+/-0.20	U	0.20	CV	10/31/2024	12:05	LB133227

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Chemtech Consulting Group **SDG No.:** P4495

Contract: CHEM02 **Lab Code:** CHEM **Case No.:** P4495 **SAS No.:** P4495

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Aluminum	100	+/-100	U	100	P	11/27/2024	12:43	LB133669
	Antimony	50.0	+/-50.0	U	50.0	P	11/27/2024	12:43	LB133669
	Arsenic	20.0	+/-20.0	U	20.0	P	11/27/2024	12:43	LB133669
	Barium	100	+/-100	U	100	P	11/27/2024	12:43	LB133669
	Beryllium	6.00	+/-6.00	U	6.00	P	11/27/2024	12:43	LB133669
	Boron	100	+/-100	U	100	P	11/27/2024	12:43	LB133669
	Cadmium	6.00	+/-6.00	U	6.00	P	11/27/2024	12:43	LB133669
	Calcium	2000	+/-2000	U	2000	P	11/27/2024	12:43	LB133669
	Chromium	10.0	+/-10.0	U	10.0	P	11/27/2024	12:43	LB133669
	Cobalt	30.0	+/-30.0	U	30.0	P	11/27/2024	12:43	LB133669
	Copper	20.0	+/-20.0	U	20.0	P	11/27/2024	12:43	LB133669
	Iron	100	+/-100	U	100	P	11/27/2024	12:43	LB133669
	Lead	12.0	+/-12.0	U	12.0	P	11/27/2024	12:43	LB133669
	Magnesium	2000	+/-2000	U	2000	P	11/27/2024	12:43	LB133669
	Manganese	20.0	+/-20.0	U	20.0	P	11/27/2024	12:43	LB133669
	Nickel	40.0	+/-40.0	U	40.0	P	11/27/2024	12:43	LB133669
	Potassium	2000	+/-2000	U	2000	P	11/27/2024	12:43	LB133669
	Selenium	20.0	+/-20.0	U	20.0	P	11/27/2024	12:43	LB133669
	Silicon	400	+/-400	U	400	P	11/27/2024	12:43	LB133669
	Silver	10.0	+/-10.0	U	10.0	P	11/27/2024	12:43	LB133669
	Sulfur	20.0	+/-20.0	U	20.0	P	11/27/2024	12:43	LB133669
	Sodium	2000	+/-2000	U	2000	P	11/27/2024	12:43	LB133669
	Strontium	20.0	+/-20.0	U	20.0	P	11/27/2024	12:43	LB133669
	Lithium	20.0	+/-20.0	U	20.0	P	11/27/2024	12:43	LB133669
	Thallium	40.0	+/-40.0	U	40.0	P	11/27/2024	12:43	LB133669
	Tin	40.0	+/-40.0	U	40.0	P	11/27/2024	12:43	LB133669
	Titanium	40.0	+/-40.0	U	40.0	P	11/27/2024	12:43	LB133669
	Vanadium	40.0	+/-40.0	U	40.0	P	11/27/2024	12:43	LB133669
	Zinc	40.0	+/-40.0	U	40.0	P	11/27/2024	12:43	LB133669

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Chemtech Consulting Group **SDG No.:** P4495

Contract: CHEM02 **Lab Code:** CHEM **Case No.:** P4495 **SAS No.:** P4495

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Aluminum	100	+/-100	U	100	P	11/27/2024	14:48	LB133669
	Antimony	50.0	+/-50.0	U	50.0	P	11/27/2024	14:48	LB133669
	Arsenic	20.0	+/-20.0	U	20.0	P	11/27/2024	14:48	LB133669
	Barium	100	+/-100	U	100	P	11/27/2024	14:48	LB133669
	Beryllium	6.00	+/-6.00	U	6.00	P	11/27/2024	14:48	LB133669
	Boron	100	+/-100	U	100	P	11/27/2024	14:48	LB133669
	Cadmium	6.00	+/-6.00	U	6.00	P	11/27/2024	14:48	LB133669
	Calcium	2000	+/-2000	U	2000	P	11/27/2024	14:48	LB133669
	Chromium	10.0	+/-10.0	U	10.0	P	11/27/2024	14:48	LB133669
	Cobalt	30.0	+/-30.0	U	30.0	P	11/27/2024	14:48	LB133669
	Copper	20.0	+/-20.0	U	20.0	P	11/27/2024	14:48	LB133669
	Iron	100	+/-100	U	100	P	11/27/2024	14:48	LB133669
	Lead	12.0	+/-12.0	U	12.0	P	11/27/2024	14:48	LB133669
	Magnesium	2000	+/-2000	U	2000	P	11/27/2024	14:48	LB133669
	Manganese	20.0	+/-20.0	U	20.0	P	11/27/2024	14:48	LB133669
	Nickel	40.0	+/-40.0	U	40.0	P	11/27/2024	14:48	LB133669
	Potassium	2000	+/-2000	U	2000	P	11/27/2024	14:48	LB133669
	Selenium	20.0	+/-20.0	U	20.0	P	11/27/2024	14:48	LB133669
	Silicon	400	+/-400	U	400	P	11/27/2024	14:48	LB133669
	Silver	10.0	+/-10.0	U	10.0	P	11/27/2024	14:48	LB133669
	Sulfur	20.0	+/-20.0	U	20.0	P	11/27/2024	14:48	LB133669
	Sodium	2000	+/-2000	U	2000	P	11/27/2024	14:48	LB133669
	Strontium	20.0	+/-20.0	U	20.0	P	11/27/2024	14:48	LB133669
	Lithium	20.0	+/-20.0	U	20.0	P	11/27/2024	14:48	LB133669
	Thallium	40.0	+/-40.0	U	40.0	P	11/27/2024	14:48	LB133669
	Tin	40.0	+/-40.0	U	40.0	P	11/27/2024	14:48	LB133669
	Titanium	40.0	+/-40.0	U	40.0	P	11/27/2024	14:48	LB133669
	Vanadium	40.0	+/-40.0	U	40.0	P	11/27/2024	14:48	LB133669
	Zinc	40.0	+/-40.0	U	40.0	P	11/27/2024	14:48	LB133669
CCB02	Aluminum	100	+/-100	U	100	P	11/27/2024	15:54	LB133669
	Antimony	50.0	+/-50.0	U	50.0	P	11/27/2024	15:54	LB133669
	Arsenic	20.0	+/-20.0	U	20.0	P	11/27/2024	15:54	LB133669
	Barium	100	+/-100	U	100	P	11/27/2024	15:54	LB133669
	Beryllium	6.00	+/-6.00	U	6.00	P	11/27/2024	15:54	LB133669
	Boron	100	+/-100	U	100	P	11/27/2024	15:54	LB133669
	Cadmium	6.00	+/-6.00	U	6.00	P	11/27/2024	15:54	LB133669
	Calcium	2000	+/-2000	U	2000	P	11/27/2024	15:54	LB133669
	Chromium	10.0	+/-10.0	U	10.0	P	11/27/2024	15:54	LB133669
	Cobalt	30.0	+/-30.0	U	30.0	P	11/27/2024	15:54	LB133669

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Chemtech Consulting Group **SDG No.:** P4495

Contract: CHEM02 **Lab Code:** CHEM **Case No.:** P4495 **SAS No.:** P4495

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB02	Copper	20.0	+/-20.0	U	20.0	P	11/27/2024	15:54	LB133669
	Iron	100	+/-100	U	100	P	11/27/2024	15:54	LB133669
	Lead	12.0	+/-12.0	U	12.0	P	11/27/2024	15:54	LB133669
	Magnesium	2000	+/-2000	U	2000	P	11/27/2024	15:54	LB133669
	Manganese	20.0	+/-20.0	U	20.0	P	11/27/2024	15:54	LB133669
	Nickel	40.0	+/-40.0	U	40.0	P	11/27/2024	15:54	LB133669
	Potassium	2000	+/-2000	U	2000	P	11/27/2024	15:54	LB133669
	Selenium	20.0	+/-20.0	U	20.0	P	11/27/2024	15:54	LB133669
	Silicon	400	+/-400	U	400	P	11/27/2024	15:54	LB133669
	Silver	10.0	+/-10.0	U	10.0	P	11/27/2024	15:54	LB133669
	Sulfur	20.0	+/-20.0	U	20.0	P	11/27/2024	15:54	LB133669
	Sodium	2000	+/-2000	U	2000	P	11/27/2024	15:54	LB133669
	Strontium	20.0	+/-20.0	U	20.0	P	11/27/2024	15:54	LB133669
	Lithium	20.0	+/-20.0	U	20.0	P	11/27/2024	15:54	LB133669
	Thallium	40.0	+/-40.0	U	40.0	P	11/27/2024	15:54	LB133669
	Tin	40.0	+/-40.0	U	40.0	P	11/27/2024	15:54	LB133669
	Titanium	40.0	+/-40.0	U	40.0	P	11/27/2024	15:54	LB133669
	Vanadium	40.0	+/-40.0	U	40.0	P	11/27/2024	15:54	LB133669
	Zinc	40.0	+/-40.0	U	40.0	P	11/27/2024	15:54	LB133669
CCB03	Aluminum	100	+/-100	U	100	P	11/27/2024	16:07	LB133669
	Antimony	50.0	+/-50.0	U	50.0	P	11/27/2024	16:07	LB133669
	Arsenic	20.0	+/-20.0	U	20.0	P	11/27/2024	16:07	LB133669
	Barium	100	+/-100	U	100	P	11/27/2024	16:07	LB133669
	Beryllium	6.00	+/-6.00	U	6.00	P	11/27/2024	16:07	LB133669
	Boron	100	+/-100	U	100	P	11/27/2024	16:07	LB133669
	Cadmium	6.00	+/-6.00	U	6.00	P	11/27/2024	16:07	LB133669
	Calcium	2000	+/-2000	U	2000	P	11/27/2024	16:07	LB133669
	Chromium	10.0	+/-10.0	U	10.0	P	11/27/2024	16:07	LB133669
	Cobalt	30.0	+/-30.0	U	30.0	P	11/27/2024	16:07	LB133669
	Copper	20.0	+/-20.0	U	20.0	P	11/27/2024	16:07	LB133669
	Iron	100	+/-100	U	100	P	11/27/2024	16:07	LB133669
	Lead	12.0	+/-12.0	U	12.0	P	11/27/2024	16:07	LB133669
	Magnesium	2000	+/-2000	U	2000	P	11/27/2024	16:07	LB133669
	Manganese	20.0	+/-20.0	U	20.0	P	11/27/2024	16:07	LB133669
	Nickel	40.0	+/-40.0	U	40.0	P	11/27/2024	16:07	LB133669
	Potassium	2000	+/-2000	U	2000	P	11/27/2024	16:07	LB133669
	Selenium	20.0	+/-20.0	U	20.0	P	11/27/2024	16:07	LB133669
	Silicon	400	+/-400	U	400	P	11/27/2024	16:07	LB133669
	Silver	10.0	+/-10.0	U	10.0	P	11/27/2024	16:07	LB133669

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Chemtech Consulting Group **SDG No.:** P4495

Contract: CHEM02 **Lab Code:** CHEM **Case No.:** P4495 **SAS No.:** P4495

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB03	Sulfur	20.0	+/-20.0	U	20.0	P	11/27/2024	16:07	LB133669
	Sodium	2000	+/-2000	U	2000	P	11/27/2024	16:07	LB133669
	Strontium	20.0	+/-20.0	U	20.0	P	11/27/2024	16:07	LB133669
	Lithium	20.0	+/-20.0	U	20.0	P	11/27/2024	16:07	LB133669
	Thallium	40.0	+/-40.0	U	40.0	P	11/27/2024	16:07	LB133669
	Tin	40.0	+/-40.0	U	40.0	P	11/27/2024	16:07	LB133669
	Titanium	40.0	+/-40.0	U	40.0	P	11/27/2024	16:07	LB133669
	Vanadium	40.0	+/-40.0	U	40.0	P	11/27/2024	16:07	LB133669
	Zinc	40.0	+/-40.0	U	40.0	P	11/27/2024	16:07	LB133669
CCB04	Aluminum	100	+/-100	U	100	P	11/27/2024	16:43	LB133669
	Antimony	50.0	+/-50.0	U	50.0	P	11/27/2024	16:43	LB133669
	Arsenic	20.0	+/-20.0	U	20.0	P	11/27/2024	16:43	LB133669
	Barium	100	+/-100	U	100	P	11/27/2024	16:43	LB133669
	Beryllium	6.00	+/-6.00	U	6.00	P	11/27/2024	16:43	LB133669
	Boron	100	+/-100	U	100	P	11/27/2024	16:43	LB133669
	Cadmium	6.00	+/-6.00	U	6.00	P	11/27/2024	16:43	LB133669
	Calcium	2000	+/-2000	U	2000	P	11/27/2024	16:43	LB133669
	Chromium	10.0	+/-10.0	U	10.0	P	11/27/2024	16:43	LB133669
	Cobalt	30.0	+/-30.0	U	30.0	P	11/27/2024	16:43	LB133669
	Copper	20.0	+/-20.0	U	20.0	P	11/27/2024	16:43	LB133669
	Iron	100	+/-100	U	100	P	11/27/2024	16:43	LB133669
	Lead	12.0	+/-12.0	U	12.0	P	11/27/2024	16:43	LB133669
	Magnesium	2000	+/-2000	U	2000	P	11/27/2024	16:43	LB133669
	Manganese	20.0	+/-20.0	U	20.0	P	11/27/2024	16:43	LB133669
	Nickel	40.0	+/-40.0	U	40.0	P	11/27/2024	16:43	LB133669
	Potassium	2000	+/-2000	U	2000	P	11/27/2024	16:43	LB133669
	Selenium	20.0	+/-20.0	U	20.0	P	11/27/2024	16:43	LB133669
	Silicon	400	+/-400	U	400	P	11/27/2024	16:43	LB133669
	Silver	10.0	+/-10.0	U	10.0	P	11/27/2024	16:43	LB133669
	Sulfur	20.0	+/-20.0	U	20.0	P	11/27/2024	16:43	LB133669
	Sodium	2000	+/-2000	U	2000	P	11/27/2024	16:43	LB133669
	Strontium	20.0	+/-20.0	U	20.0	P	11/27/2024	16:43	LB133669
	Lithium	20.0	+/-20.0	U	20.0	P	11/27/2024	16:43	LB133669
	Thallium	40.0	+/-40.0	U	40.0	P	11/27/2024	16:43	LB133669
	Tin	40.0	+/-40.0	U	40.0	P	11/27/2024	16:43	LB133669
	Titanium	40.0	+/-40.0	U	40.0	P	11/27/2024	16:43	LB133669
	Vanadium	40.0	+/-40.0	U	40.0	P	11/27/2024	16:43	LB133669
	Zinc	40.0	+/-40.0	U	40.0	P	11/27/2024	16:43	LB133669
CCB05	Aluminum	100	+/-100	U	100	P	11/27/2024	17:46	LB133669

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Chemtech Consulting Group **SDG No.:** P4495

Contract: CHEM02 **Lab Code:** CHEM **Case No.:** P4495 **SAS No.:** P4495

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB05	Antimony	50.0	+/-50.0	U	50.0	P	11/27/2024	17:46	LB133669
	Arsenic	20.0	+/-20.0	U	20.0	P	11/27/2024	17:46	LB133669
	Barium	100	+/-100	U	100	P	11/27/2024	17:46	LB133669
	Beryllium	6.00	+/-6.00	U	6.00	P	11/27/2024	17:46	LB133669
	Boron	100	+/-100	U	100	P	11/27/2024	17:46	LB133669
	Cadmium	6.00	+/-6.00	U	6.00	P	11/27/2024	17:46	LB133669
	Calcium	2000	+/-2000	U	2000	P	11/27/2024	17:46	LB133669
	Chromium	10.0	+/-10.0	U	10.0	P	11/27/2024	17:46	LB133669
	Cobalt	30.0	+/-30.0	U	30.0	P	11/27/2024	17:46	LB133669
	Copper	20.0	+/-20.0	U	20.0	P	11/27/2024	17:46	LB133669
	Iron	100	+/-100	U	100	P	11/27/2024	17:46	LB133669
	Lead	12.0	+/-12.0	U	12.0	P	11/27/2024	17:46	LB133669
	Magnesium	2000	+/-2000	U	2000	P	11/27/2024	17:46	LB133669
	Manganese	20.0	+/-20.0	U	20.0	P	11/27/2024	17:46	LB133669
	Nickel	40.0	+/-40.0	U	40.0	P	11/27/2024	17:46	LB133669
	Potassium	2000	+/-2000	U	2000	P	11/27/2024	17:46	LB133669
	Selenium	20.0	+/-20.0	U	20.0	P	11/27/2024	17:46	LB133669
	Silicon	400	+/-400	U	400	P	11/27/2024	17:46	LB133669
	Silver	10.0	+/-10.0	U	10.0	P	11/27/2024	17:46	LB133669
	Sulfur	20.0	+/-20.0	U	20.0	P	11/27/2024	17:46	LB133669
	Sodium	2000	+/-2000	U	2000	P	11/27/2024	17:46	LB133669
	Strontium	20.0	+/-20.0	U	20.0	P	11/27/2024	17:46	LB133669
	Lithium	20.0	+/-20.0	U	20.0	P	11/27/2024	17:46	LB133669
	Thallium	40.0	+/-40.0	U	40.0	P	11/27/2024	17:46	LB133669
	Tin	40.0	+/-40.0	U	40.0	P	11/27/2024	17:46	LB133669
	Titanium	40.0	+/-40.0	U	40.0	P	11/27/2024	17:46	LB133669
	Vanadium	40.0	+/-40.0	U	40.0	P	11/27/2024	17:46	LB133669
	Zinc	40.0	+/-40.0	U	40.0	P	11/27/2024	17:46	LB133669

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Chemtech Consulting Group **SDG No.:** P4495

Contract: CHEM02 **Lab Code:** CHEM **Case No.:** P4495 **SAS No.:** P4495

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Aluminum	100	+/-100	U	100	P	12/04/2024	13:43	LB133739
	Antimony	50.0	+/-50.0	U	50.0	P	12/04/2024	13:43	LB133739
	Arsenic	20.0	+/-20.0	U	20.0	P	12/04/2024	13:43	LB133739
	Barium	100	+/-100	U	100	P	12/04/2024	13:43	LB133739
	Beryllium	6.00	+/-6.00	U	6.00	P	12/04/2024	13:43	LB133739
	Cadmium	6.00	+/-6.00	U	6.00	P	12/04/2024	13:43	LB133739
	Calcium	2000	+/-2000	U	2000	P	12/04/2024	13:43	LB133739
	Chromium	10.0	+/-10.0	U	10.0	P	12/04/2024	13:43	LB133739
	Cobalt	30.0	+/-30.0	U	30.0	P	12/04/2024	13:43	LB133739
	Copper	20.0	+/-20.0	U	20.0	P	12/04/2024	13:43	LB133739
	Iron	100	+/-100	U	100	P	12/04/2024	13:43	LB133739
	Lead	12.0	+/-12.0	U	12.0	P	12/04/2024	13:43	LB133739
	Magnesium	2000	+/-2000	U	2000	P	12/04/2024	13:43	LB133739
	Manganese	20.0	+/-20.0	U	20.0	P	12/04/2024	13:43	LB133739
	Nickel	40.0	+/-40.0	U	40.0	P	12/04/2024	13:43	LB133739
	Potassium	2000	+/-2000	U	2000	P	12/04/2024	13:43	LB133739
	Selenium	20.0	+/-20.0	U	20.0	P	12/04/2024	13:43	LB133739
	Silver	10.0	+/-10.0	U	10.0	P	12/04/2024	13:43	LB133739
	Sodium	2000	+/-2000	U	2000	P	12/04/2024	13:43	LB133739
	Thallium	40.0	+/-40.0	U	40.0	P	12/04/2024	13:43	LB133739
	Vanadium	40.0	+/-40.0	U	40.0	P	12/04/2024	13:43	LB133739
	Zinc	40.0	+/-40.0	U	40.0	P	12/04/2024	13:43	LB133739

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Chemtech Consulting Group **SDG No.:** P4495

Contract: CHEM02 **Lab Code:** CHEM **Case No.:** P4495 **SAS No.:** P4495

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Aluminum	100	+/-100	U	100	P	12/04/2024	14:29	LB133739
	Antimony	50.0	+/-50.0	U	50.0	P	12/04/2024	14:29	LB133739
	Arsenic	20.0	+/-20.0	U	20.0	P	12/04/2024	14:29	LB133739
	Barium	100	+/-100	U	100	P	12/04/2024	14:29	LB133739
	Beryllium	6.00	+/-6.00	U	6.00	P	12/04/2024	14:29	LB133739
	Cadmium	6.00	+/-6.00	U	6.00	P	12/04/2024	14:29	LB133739
	Calcium	2000	+/-2000	U	2000	P	12/04/2024	14:29	LB133739
	Chromium	10.0	+/-10.0	U	10.0	P	12/04/2024	14:29	LB133739
	Cobalt	30.0	+/-30.0	U	30.0	P	12/04/2024	14:29	LB133739
	Copper	20.0	+/-20.0	U	20.0	P	12/04/2024	14:29	LB133739
	Iron	100	+/-100	U	100	P	12/04/2024	14:29	LB133739
	Lead	12.0	+/-12.0	U	12.0	P	12/04/2024	14:29	LB133739
	Magnesium	2000	+/-2000	U	2000	P	12/04/2024	14:29	LB133739
	Manganese	20.0	+/-20.0	U	20.0	P	12/04/2024	14:29	LB133739
	Nickel	40.0	+/-40.0	U	40.0	P	12/04/2024	14:29	LB133739
	Potassium	2000	+/-2000	U	2000	P	12/04/2024	14:29	LB133739
	Selenium	20.0	+/-20.0	U	20.0	P	12/04/2024	14:29	LB133739
	Silver	10.0	+/-10.0	U	10.0	P	12/04/2024	14:29	LB133739
	Sodium	2000	+/-2000	U	2000	P	12/04/2024	14:29	LB133739
	Thallium	40.0	+/-40.0	U	40.0	P	12/04/2024	14:29	LB133739
	Vanadium	40.0	+/-40.0	U	40.0	P	12/04/2024	14:29	LB133739
	Zinc	40.0	+/-40.0	U	40.0	P	12/04/2024	14:29	LB133739
CCB02	Aluminum	100	+/-100	U	100	P	12/04/2024	14:41	LB133739
	Antimony	50.0	+/-50.0	U	50.0	P	12/04/2024	14:41	LB133739
	Arsenic	20.0	+/-20.0	U	20.0	P	12/04/2024	14:41	LB133739
	Barium	100	+/-100	U	100	P	12/04/2024	14:41	LB133739
	Beryllium	6.00	+/-6.00	U	6.00	P	12/04/2024	14:41	LB133739
	Cadmium	6.00	+/-6.00	U	6.00	P	12/04/2024	14:41	LB133739
	Calcium	2000	+/-2000	U	2000	P	12/04/2024	14:41	LB133739
	Chromium	10.0	+/-10.0	U	10.0	P	12/04/2024	14:41	LB133739
	Cobalt	30.0	+/-30.0	U	30.0	P	12/04/2024	14:41	LB133739
	Copper	20.0	+/-20.0	U	20.0	P	12/04/2024	14:41	LB133739
	Iron	100	+/-100	U	100	P	12/04/2024	14:41	LB133739
	Lead	12.0	+/-12.0	U	12.0	P	12/04/2024	14:41	LB133739
	Magnesium	2000	+/-2000	U	2000	P	12/04/2024	14:41	LB133739
	Manganese	20.0	+/-20.0	U	20.0	P	12/04/2024	14:41	LB133739
	Nickel	40.0	+/-40.0	U	40.0	P	12/04/2024	14:41	LB133739
	Potassium	2000	+/-2000	U	2000	P	12/04/2024	14:41	LB133739
	Selenium	20.0	+/-20.0	U	20.0	P	12/04/2024	14:41	LB133739

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Chemtech Consulting Group **SDG No.:** P4495

Contract: CHEM02 **Lab Code:** CHEM **Case No.:** P4495 **SAS No.:** P4495

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB02	Silver	10.0	+/-10.0	U	10.0	P	12/04/2024	14:41	LB133739
	Sodium	2000	+/-2000	U	2000	P	12/04/2024	14:41	LB133739
	Thallium	40.0	+/-40.0	U	40.0	P	12/04/2024	14:41	LB133739
	Vanadium	40.0	+/-40.0	U	40.0	P	12/04/2024	14:41	LB133739
	Zinc	40.0	+/-40.0	U	40.0	P	12/04/2024	14:41	LB133739

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PREPARATION BLANK SUMMARY

Client: Chemtech Consulting Group **SDG No.:** P4495

Instrument: CV1

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB164552BL		**SOLID**		**Batch Number:**	**PB164552**		**Prep Date:**	**10/30/2024**	
	Mercury	0.013	<0.013	U	0.013	CV	10/31/2024	10:36	LB133227

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PREPARATION BLANK SUMMARY

Client: Chemtech Consulting Group **SDG No.:** P4495

Instrument: P4

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB165242BL		**SOLID**		**Batch Number:**	**PB165242**		**Prep Date:**	**11/26/2024**	
	Aluminum	5.00	<5.00	U	5.00	P	11/27/2024	15:11	LB133669
	Antimony	2.50	<2.50	U	2.50	P	11/27/2024	15:11	LB133669
	Arsenic	1.00	<1.00	U	1.00	P	11/27/2024	15:11	LB133669
	Barium	5.00	<5.00	U	5.00	P	11/27/2024	15:11	LB133669
	Beryllium	0.30	<0.30	U	0.30	P	11/27/2024	15:11	LB133669
	Boron	5.00	<5.00	U	5.00	P	11/27/2024	15:11	LB133669
	Cadmium	0.30	<0.30	U	0.30	P	11/27/2024	15:11	LB133669
	Calcium	100	<100	U	100	P	11/27/2024	15:11	LB133669
	Chromium	0.50	<0.50	U	0.50	P	11/27/2024	15:11	LB133669
	Cobalt	1.50	<1.50	U	1.50	P	11/27/2024	15:11	LB133669
	Copper	1.00	<1.00	U	1.00	P	11/27/2024	15:11	LB133669
	Iron	5.00	<5.00	U	5.00	P	11/27/2024	15:11	LB133669
	Lead	0.60	<0.60	U	0.60	P	11/27/2024	15:11	LB133669
	Magnesium	100	<100	U	100	P	11/27/2024	15:11	LB133669
	Manganese	1.00	<1.00	U	1.00	P	11/27/2024	15:11	LB133669
	Nickel	2.00	<2.00	U	2.00	P	11/27/2024	15:11	LB133669
	Potassium	100	<100	U	100	P	11/27/2024	15:11	LB133669
	Selenium	1.00	<1.00	U	1.00	P	11/27/2024	15:11	LB133669
	Silicon	20.0	<20.0	U	20.0	P	11/27/2024	15:11	LB133669
	Silver	0.50	<0.50	U	0.50	P	11/27/2024	15:11	LB133669
	Sulfur	2.00	<2.00	U	2.00	P	11/27/2024	15:11	LB133669
	Sodium	100	<100	U	100	P	11/27/2024	15:11	LB133669
	Strontium	10.0	<10.0	U	10.0	P	11/27/2024	15:11	LB133669
	Lithium	1.00	<1.00	U	1.00	P	11/27/2024	15:11	LB133669
	Thallium	2.00	<2.00	U	2.00	P	11/27/2024	15:11	LB133669
	Tin	2.00	<2.00	U	2.00	P	11/27/2024	15:11	LB133669
	Titanium	2.00	<2.00	U	2.00	P	11/27/2024	15:11	LB133669
	Vanadium	2.00	<2.00	U	2.00	P	11/27/2024	15:11	LB133669
	Zinc	2.00	<2.00	U	2.00	P	11/27/2024	15:11	LB133669

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INTERFERENCE CHECK SAMPLE

Client: Chemtech Consulting Group **SDG No.:** P4495

Contract: CHEM02 **Lab Code:** CHEM **Case No.:** P4495 **SAS No.:** P4495

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	Aluminum	267000	255000	105	216000	294000	11/27/2024	13:25	LB133669
	Antimony	-3.00			-50	50	11/27/2024	13:25	LB133669
	Arsenic	5.12			-20	20	11/27/2024	13:25	LB133669
	Barium	4.09	6.0	68	-94	106	11/27/2024	13:25	LB133669
	Beryllium	1.38			-6	6	11/27/2024	13:25	LB133669
	Boron	31.1	1000	3	-100	100	11/27/2024	13:25	LB133669
	Cadmium	6.81	1.0	681	-5	7	11/27/2024	13:25	LB133669
	Calcium	249000	245000	102	208000	282000	11/27/2024	13:25	LB133669
	Chromium	58.0	52.0	112	42	62	11/27/2024	13:25	LB133669
	Cobalt	2.31			-30	30	11/27/2024	13:25	LB133669
	Copper	21.8	2.0	1090	-18	22	11/27/2024	13:25	LB133669
	Iron	102000	101000	101	85600	116500	11/27/2024	13:25	LB133669
	Lead	9.71			-12	12	11/27/2024	13:25	LB133669
	Magnesium	273000	255000	107	216000	294000	11/27/2024	13:25	LB133669
	Manganese	4.30	7.0	61	-13	27	11/27/2024	13:25	LB133669
	Nickel	2.60	2.0	130	-38	42	11/27/2024	13:25	LB133669
	Potassium	-57.5			0	0	11/27/2024	13:25	LB133669
	Selenium	-19.4			-20	20	11/27/2024	13:25	LB133669
	Silicon	17.3			0	0	11/27/2024	13:25	LB133669
	Silver	-7.66			-10	10	11/27/2024	13:25	LB133669
	Sulfur	-8.87			0	0	11/27/2024	13:25	LB133669
	Sodium	25.1			0	0	11/27/2024	13:25	LB133669
	Strontium	4.50			0	0	11/27/2024	13:25	LB133669
	Lithium	-13.0	1000	1	-20	20	11/27/2024	13:25	LB133669
	Thallium	12.7			-40	40	11/27/2024	13:25	LB133669
	Tin	-4.01	1000		-40	40	11/27/2024	13:25	LB133669
	Titanium	-0.71			0	0	11/27/2024	13:25	LB133669
	Vanadium	6.75			-40	40	11/27/2024	13:25	LB133669
	Zinc	7.62			-40	40	11/27/2024	13:25	LB133669
ICSAB01	Aluminum	270000	247000	109	209000	285000	11/27/2024	14:03	LB133669
	Antimony	620	618	100	525	711	11/27/2024	14:03	LB133669
	Arsenic	113	104	109	88.4	120	11/27/2024	14:03	LB133669
	Barium	538	537	100	437	637	11/27/2024	14:03	LB133669
	Beryllium	524	495	106	420	570	11/27/2024	14:03	LB133669
	Boron	989	1000	99	850	1150	11/27/2024	14:03	LB133669
	Cadmium	1020	972	105	826	1120	11/27/2024	14:03	LB133669
	Calcium	253000	235000	108	199000	271000	11/27/2024	14:03	LB133669
	Chromium	554	542	102	460	624	11/27/2024	14:03	LB133669
	Cobalt	509	476	107	404	548	11/27/2024	14:03	LB133669
	Copper	501	511	98	434	588	11/27/2024	14:03	LB133669
	Iron	99000	99300	100	84400	114500	11/27/2024	14:03	LB133669
	Lead	56.4	49.0	115	37	61	11/27/2024	14:03	LB133669

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INTERFERENCE CHECK SAMPLE

Client: Chemtech Consulting Group **SDG No.:** P4495

Contract: CHEM02 **Lab Code:** CHEM **Case No.:** P4495 **SAS No.:** P4495

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
ICSAB01	Magnesium	276000	248000	111	210000	286000	11/27/2024	14:03	LB133669
	Manganese	514	507	101	430	584	11/27/2024	14:03	LB133669
	Nickel	1000	954	105	810	1100	11/27/2024	14:03	LB133669
	Potassium	-88.0			0	0	11/27/2024	14:03	LB133669
	Selenium	36.1	46.0	78	26	66	11/27/2024	14:03	LB133669
	Silicon	1120			0	0	11/27/2024	14:03	LB133669
	Silver	190	201	94	170	232	11/27/2024	14:03	LB133669
	Sulfur	976			0	0	11/27/2024	14:03	LB133669
	Sodium	-8.70			0	0	11/27/2024	14:03	LB133669
	Strontium	1010			0	0	11/27/2024	14:03	LB133669
	Lithium	966	1000	97	850	1150	11/27/2024	14:03	LB133669
	Thallium	104	108	96	68	148	11/27/2024	14:03	LB133669
	Tin	979	1000	98	850	1150	11/27/2024	14:03	LB133669
	Titanium	1000			0	0	11/27/2024	14:03	LB133669
	Vanadium	511	491	104	417	565	11/27/2024	14:03	LB133669
	Zinc	1080	952	113	809	1095	11/27/2024	14:03	LB133669
ICSA01	Aluminum	263000	255000	103	216000	294000	12/04/2024	13:57	LB133739
	Antimony	-1.94			-50	50	12/04/2024	13:57	LB133739
	Arsenic	1.57			-20	20	12/04/2024	13:57	LB133739
	Barium	-0.17	6.0	3	-94	106	12/04/2024	13:57	LB133739
	Beryllium	1.23			-6	6	12/04/2024	13:57	LB133739
	Cadmium	8.30	1.0	830	-5	7	12/04/2024	13:57	LB133739
	Calcium	244000	245000	100	208000	282000	12/04/2024	13:57	LB133739
	Chromium	56.0	52.0	108	42	62	12/04/2024	13:57	LB133739
	Cobalt	2.84			-30	30	12/04/2024	13:57	LB133739
	Copper	-8.89	2.0	444	-18	22	12/04/2024	13:57	LB133739
	Iron	97500	101000	96	85600	116500	12/04/2024	13:57	LB133739
	Lead	7.22			-12	12	12/04/2024	13:57	LB133739
	Magnesium	267000	255000	105	216000	294000	12/04/2024	13:57	LB133739
	Manganese	5.09	7.0	73	-13	27	12/04/2024	13:57	LB133739
	Nickel	2.40	2.0	120	-38	42	12/04/2024	13:57	LB133739
	Potassium	47.8			0	0	12/04/2024	13:57	LB133739
	Selenium	-10.7			-20	20	12/04/2024	13:57	LB133739
	Silver	-5.06			-10	10	12/04/2024	13:57	LB133739
	Sodium	100			0	0	12/04/2024	13:57	LB133739
	Thallium	11.5			-40	40	12/04/2024	13:57	LB133739
	Vanadium	6.74			-40	40	12/04/2024	13:57	LB133739
	Zinc	8.15			-40	40	12/04/2024	13:57	LB133739
ICSAB01	Aluminum	261000	247000	106	209000	285000	12/04/2024	14:15	LB133739
	Antimony	629	618	102	525	711	12/04/2024	14:15	LB133739
	Arsenic	110	104	106	88.4	120	12/04/2024	14:15	LB133739
	Barium	500	537	93	437	637	12/04/2024	14:15	LB133739

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Metals
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INTERFERENCE CHECK SAMPLE

Client: Chemtech Consulting Group **SDG No.:** P4495

Contract: CHEM02 **Lab Code:** CHEM **Case No.:** P4495 **SAS No.:** P4495

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
ICSAB01	Beryllium	505	495	102	420	570	12/04/2024	14:15	LB133739
	Cadmium	1010	972	104	826	1120	12/04/2024	14:15	LB133739
	Calcium	239000	235000	102	199000	271000	12/04/2024	14:15	LB133739
	Chromium	561	542	104	460	624	12/04/2024	14:15	LB133739
	Cobalt	503	476	106	404	548	12/04/2024	14:15	LB133739
	Copper	474	511	93	434	588	12/04/2024	14:15	LB133739
	Iron	96000	99300	97	84400	114500	12/04/2024	14:15	LB133739
	Lead	52.7	49.0	108	37	61	12/04/2024	14:15	LB133739
	Magnesium	264000	248000	106	210000	286000	12/04/2024	14:15	LB133739
	Manganese	482	507	95	430	584	12/04/2024	14:15	LB133739
	Nickel	987	954	104	810	1100	12/04/2024	14:15	LB133739
	Potassium	-30.8			0	0	12/04/2024	14:15	LB133739
	Selenium	34.2	46.0	74	26	66	12/04/2024	14:15	LB133739
	Silver	193	201	96	170	232	12/04/2024	14:15	LB133739
	Sodium	114			0	0	12/04/2024	14:15	LB133739
	Thallium	94.7	108	88	68	148	12/04/2024	14:15	LB133739
	Vanadium	496	491	101	417	565	12/04/2024	14:15	LB133739
	Zinc	1100	952	116	809	1095	12/04/2024	14:15	LB133739

METAL QC DATA

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MATRIX SPIKE SUMMARY

client: Chemtech Consulting Group **level:** low **sdg no.:** P4495

contract: CHEM02 **lab code:** CHEM **case no.:** P4495 **sas no.:** P4495

matrix: Solid **sample id:** P4618-01 **client id:** HR-01-102924MS

Percent Solids for Sample: 95.4 **Spiked ID:** P4618-01MS **Percent Solids for Spike Sample:** 95.4

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 120	0.25		0.030		0.25	89		CV

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MATRIX SPIKE DUPLICATE SUMMARY

client: Chemtech Consulting Group **level:** low **sdg no.:** P4495

contract: CHEM02 **lab code:** CHEM **case no.:** P4495 **sas no.:** P4495

matrix: Solid **sample id:** P4618-01 **client id:** HR-01-102924MSD

Percent Solids for Sample: 95.4 **Spiked ID:** P4618-01MSD **Percent Solids for Spike Sample:** 95.4

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 120	0.27		0.030		0.25	97		CV

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Metals
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Client: Chemtech Consulting Group **SDG No.:** P4495

Contract: CHEM02 **Lab Code:** CHEM **Case No.:** P4495 **SAS No.:** P4495

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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DUPLICATE SAMPLE SUMMARY

Client: Chemtech Consulting Group **Level:** LOW **SDG No.:** P4495

Contract: CHEM02 **Lab Code:** CHEM **Case No.:** P4495 **SAS No.:** P4495

Matrix: Solid **Sample ID:** P4618-01 **Client ID:** HR-01-102924DUP

Percent Solids for Sample: 95.4 **Duplicate ID** P4618-01DUP **Percent Solids for Spike Sample:** 95.4

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	mg/Kg	20	0.030		0.032		6		CV

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: Chemtech Consulting Group **Level:** LOW **SDG No.:** P4495

Contract: CHEM02 **Lab Code:** CHEM **Case No.:** P4495 **SAS No.:** P4495

Matrix: Solid **Sample ID:** P4618-01MS **Client ID:** HR-01-102924MSD

Percent Solids for Sample: 95.4 **Duplicate ID** P4618-01MSD **Percent Solids for Spike Sample:** 95.4

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	mg/Kg	20	0.25		0.27		7		CV

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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LABORATORY CONTROL SAMPLE SUMMARY

Client: Chemtech Consulting Group **SDG No.:** P4495

Contract: CHEM02 **Lab Code:** CHEM **Case No.:** P4495 **SAS No.:** P4495

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB164552BS							
Mercury	mg/Kg	0.25	0.23		92	80 - 120	CV

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LABORATORY CONTROL SAMPLE SUMMARY

Client: Chemtech Consulting Group **SDG No.:** P4495

Contract: CHEM02 **Lab Code:** CHEM **Case No.:** P4495 **SAS No.:** P4495

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB165242BS							
Aluminum	mg/Kg	100	95.4		95	80 - 120	P
Antimony	mg/Kg	40.0	36.3		91	80 - 120	P
Arsenic	mg/Kg	40.0	36.7		92	80 - 120	P
Barium	mg/Kg	10.0	9.77		98	80 - 120	P
Beryllium	mg/Kg	10.0	9.97		100	80 - 120	P
Boron	mg/Kg	15.0	14.7		98	80 - 120	P
Cadmium	mg/Kg	10.0	9.25		92	80 - 120	P
Calcium	mg/Kg	50.0	51.7	J	103	80 - 120	P
Chromium	mg/Kg	20.0	19.2		96	80 - 120	P
Cobalt	mg/Kg	10.0	9.32		93	80 - 120	P
Copper	mg/Kg	15.0	14.5		97	80 - 120	P
Iron	mg/Kg	150	139		93	80 - 120	P
Lead	mg/Kg	50.0	46.4		93	80 - 120	P
Magnesium	mg/Kg	100	95.9	J	96	80 - 120	P
Manganese	mg/Kg	10.0	10.0		100	80 - 120	P
Nickel	mg/Kg	25.0	23.4		94	80 - 120	P
Potassium	mg/Kg	500	443		89	80 - 120	P
Selenium	mg/Kg	100	92.1		92	80 - 120	P
Silicon	mg/Kg	46.7	38.2		82	80 - 120	P
Silver	mg/Kg	3.8	3.57		94	80 - 120	P
Sulfur	mg/Kg	500	427		85	80 - 120	P
Sodium	mg/Kg	150	123		82	80 - 120	P
Strontium	mg/Kg	10.0	10.1		101	80 - 120	P
Lithium	mg/Kg	10.0	9.89		99	80 - 120	P
Thallium	mg/Kg	100	98.2		98	80 - 120	P
Tin	mg/Kg	35.0	31.7		91	80 - 120	P
Titanium	mg/Kg	10.0	9.74		97	80 - 120	P
Vanadium	mg/Kg	15.0	14.8		99	80 - 120	P
Zinc	mg/Kg	10.0	9.87		99	80 - 120	P

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ICP SERIAL DILUTIONS

SAMPLE NO.

HR-01-102924L

Lab Name: Chemtech Consulting Group **Contract:** CHEM02

Lab Code: CHEM **Lb No.:** lb133227 **Lab Sample ID :** P4618-01L **SDG No.:** P4495

Matrix (soil/water): Solid **Level (low/med):** LOW

Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Mercury	0.030		0.071	U	100.0		CV

METAL PREPARATION & INSTRUMENT DATA

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ICP INTERELEMENT CORRECTION FACTORS

Client: Chemtech Consulting Group **SDG No.:** P4495

Contract: CHEM02 **Lab Code:** CHEM **Case No.:** P4495 **SAS No.:** P4495

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
Aluminum	396.100	0.0000000	-0.0002060	0.0000000	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
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
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000930	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	-0.0075970	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0007850	0.0000000	0.0000000
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	-0.0000920	0.0000000	0.0000380	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	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
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0001050	0.0000000	0.0000000

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ICP INTERELEMENT CORRECTION FACTORS

Client: Chemtech Consulting Group **SDG No.:** P4495

Contract: CHEM02 **Lab Code:** CHEM **Case No.:** P4495 **SAS No.:** P4495

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
Aluminum	396.100	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
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
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0002870
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0000000	0.0000000	0.0009530
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	-0.0039600
Lead	220.353	0.0000000	0.0003170	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	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
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0054900
Vanadium	292.402	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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ICP INTERELEMENT CORRECTION FACTORS

Client: Chemtech Consulting Group **SDG No.:** P4495

Contract: CHEM02 **Lab Code:** CHEM **Case No.:** P4495 **SAS No.:** P4495

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
Aluminum	396.100	0.0000000	0.0000000	0.0000590	0.0000000	0.0396900
Antimony	206.833	0.0122000	0.0000000	0.0000000	0.0000000	0.0000000
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
Beryllium	234.861	0.0000000	0.0000000	0.0000000	-0.0000710	-0.0003400
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000070	0.0002200	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	-0.0007860
Copper	224.700	0.0000000	0.0000000	0.0000000	0.0006510	0.0020500
Iron	240.488	0.0000000	0.0000000	0.0000730	0.0000000	-0.0015250
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0001400	-0.0008600
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	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
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0017400	-0.0100400
Vanadium	292.402	-0.0025100	0.0000000	0.0000000	0.0000000	-0.0072000
Zinc	213.800	0.0000000	0.0009010	0.0000000	0.0000000	0.0000000

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: Chemtech Consulting Group **SDG No.:** P4495

Contract: CHEM02 **Lab Code:** CHEM **Case No.:** P4495 **SAS No.:** P4495

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
Aluminum	396.100	0.0000000	0.0000000	0.0012800	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
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
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	-0.0047000	0.0036100	0.0000000	0.0000000
Iron	240.488	0.0000000	-0.0017000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0006580	0.0000000	0.0000000	0.0001290
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	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
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.402	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
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ICP INTERELEMENT CORRECTION FACTORS

Client: Chemtech Consulting Group **SDG No.:** P4495

Contract: CHEM02 **Lab Code:** CHEM **Case No.:** P4495 **SAS No.:** P4495

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
Aluminum	396.100	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.833	-0.0035600	-0.0007970	0.0000000	-0.0018900	0.0000000
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
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000630	0.0001280	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0001110	0.0000000
Cobalt	228.616	0.0000000	0.0018800	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0003840	0.0000000	0.0000000	0.0000000
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	-0.0003610	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	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
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	-0.0039700	0.0000000	-0.0115600	0.0000000
Vanadium	292.402	0.0000000	0.0005320	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
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SAMPLE PREPARATION SUMMARY

Client: Chemtech Consulting Group **SDG No.:** P4495

Contract: CHEM02 **Lab Code:** CHEM **Method:**

Case No.: P4495 **SAS No.:** P4495

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB164552**						
P4495-10	PT-MET-SOIL	SAM	SOLID	10/30/2024	0.54	35.0	100.00
P4618-01DUP	HR-01-102924DUP	DUP	SOLID	10/30/2024	0.56	35.0	95.40
P4618-01MS	HR-01-102924MS	MS	SOLID	10/30/2024	0.58	35.0	95.40
P4618-01MSD	HR-01-102924MSD	MSD	SOLID	10/30/2024	0.59	35.0	95.40
PB164552BL	PB164552BL	MB	SOLID	10/30/2024	0.55	35.0	100.00
PB164552BS	PB164552BS	LCS	SOLID	10/30/2024	0.56	35.0	100.00

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Metals
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SAMPLE PREPARATION SUMMARY

Client: Chemtech Consulting Group **SDG No.:** P4495

Contract: CHEM02 **Lab Code:** CHEM **Method:**

Case No.: P4495 **SAS No.:** P4495

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB165242**						
P4495-10	PT-MET-SOIL	SAM	SOLID	11/26/2024	2.25	100.0	100.00
PB165242BL	PB165242BL	MB	SOLID	11/26/2024	2.00	100.0	100.00
PB165242BS	PB165242BS	LCS	SOLID	11/26/2024	2.00	100.0	100.00

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ANALYSIS RUN LOG

Client: Chemtech Consulting Group **Contract:** CHEM02

Lab code: CHEM **Case no.:** P4495 **Sas no.:** P4495 **Sdg no.:** P4495

Instrument id number: **Method:** **Run number:** LB133227

Start date: 10/31/2024 **End date:** 10/31/2024

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1001	HG
S0.2	S0.2	1	1003	HG
S2.5	S2.5	1	1005	HG
S5	S5	1	1008	HG
S7.5	S7.5	1	1010	HG
S10	S10	1	1018	HG
ICV61	ICV61	1	1021	HG
ICB61	ICB61	1	1023	HG
CCV04	CCV04	1	1025	HG
CCB04	CCB04	1	1027	HG
CRA	CRA	1	1030	HG
PB164552BL	PB164552BL	1	1036	HG
PB164552BS	PB164552BS	1	1039	HG
CCV05	CCV05	1	1056	HG
CCB05	CCB05	1	1101	HG
P4618-01DUP	HR-01-102924DUP	1	1110	HG
P4618-01MS	HR-01-102924MS	1	1112	HG
P4618-01MSD	HR-01-102924MSD	1	1114	HG
CCV06	CCV06	1	1126	HG
CCB06	CCB06	1	1131	HG
P4618-01L	HR-01-102924L	5	1143	HG
P4495-10	PT-MET-SOIL	50	1200	HG
CCV07	CCV07	1	1202	HG
CCB07	CCB07	1	1205	HG

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ANALYSIS RUN LOG

Client: Chemtech Consulting Group **Contract:** CHEM02

Lab code: CHEM **Case no.:** P4495 **Sas no.:** P4495 **Sdg no.:** P4495

Instrument id number: **Method:** **Run number:** LB133669

Start date: 11/27/2024 **End date:** 11/27/2024

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1006	Ag,Al,As,B,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Li,Mg,Mn,Na,Ni,Pb,S,Sb,Se,Si,Sn,Sr,T
S1	S1	1	1011	Ag,Al,As,B,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Li,Mg,Mn,Na,Ni,Pb,S,Sb,Se,Si,Sn,Sr,T
S2	S2	1	1015	Ag,Al,As,B,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Li,Mg,Mn,Na,Ni,Pb,S,Sb,Se,Si,Sn,Sr,T
S3	S3	1	1019	Ag,Al,As,B,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Li,Mg,Mn,Na,Ni,Pb,S,Sb,Se,Si,Sn,Sr,T
S4	S4	1	1024	Ag,Al,As,B,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Li,Mg,Mn,Na,Ni,Pb,S,Sb,Se,Si,Sn,Sr,T
S5	S5	1	1028	Ag,Al,As,B,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Li,Mg,Mn,Na,Ni,Pb,S,Sb,Se,Si,Sn,Sr,T
ICV01	ICV01	1	1225	Ag,Al,As,B,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Li,Mg,Mn,Na,Ni,Pb,S,Sb,Se,Si,Sn,Sr,T
LLICV01	LLICV01	1	1238	Ag,Al,As,B,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Li,Mg,Mn,Na,Ni,Pb,S,Sb,Se,Si,Sn,Sr,T
ICB01	ICB01	1	1243	Ag,Al,As,B,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Li,Mg,Mn,Na,Ni,Pb,S,Sb,Se,Si,Sn,Sr,T
CRI01	CRI01	1	1247	Ag,Al,As,B,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Li,Mg,Mn,Na,Ni,Pb,S,Sb,Se,Si,Sn,Sr,T
ICSA01	ICSA01	1	1325	Ag,Al,As,B,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Li,Mg,Mn,Na,Ni,Pb,S,Sb,Se,Si,Sn,Sr,T
ICSAB01	ICSAB01	1	1403	Ag,Al,As,B,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Li,Mg,Mn,Na,Ni,Pb,S,Sb,Se,Si,Sn,Sr,T
CCV01	CCV01	1	1408	Ag,Al,As,B,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Li,Mg,Mn,Na,Ni,Pb,S,Sb,Se,Si,Sn,Sr,T
CCB01	CCB01	1	1448	Ag,Al,As,B,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Li,Mg,Mn,Na,Ni,Pb,S,Sb,Se,Si,Sn,Sr,T
P4495-10	PT-MET-SOIL	1	1452	Ag,Al,As,B,Ba,Ca,Cd,Co,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,S,Sb,Se,Si,Sn,Sr,Tl,V,Zn
P4495-10	PT-MET-SOIL	5	1507	Cr,Li,Ti
PB165242BL	PB165242BL	1	1511	Ag,Al,As,B,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Li,Mg,Mn,Na,Ni,Pb,S,Sb,Se,Si,Sn,Sr,T
PB165242BS	PB165242BS	1	1540	Ag,Al,As,B,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Li,Mg,Mn,Na,Ni,Pb,S,Sb,Se,Si,Sn,Sr,T
CCV02	CCV02	1	1550	Ag,Al,As,B,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Li,Mg,Mn,Na,Ni,Pb,S,Sb,Se,Si,Sn,Sr,T
CCB02	CCB02	1	1554	Ag,Al,As,B,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Li,Mg,Mn,Na,Ni,Pb,S,Sb,Se,Si,Sn,Sr,T
CCV03	CCV03	1	1603	Ag,Al,As,B,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Li,Mg,Mn,Na,Ni,Pb,S,Sb,Se,Si,Sn,Sr,T
CCB03	CCB03	1	1607	Ag,Al,As,B,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Li,Mg,Mn,Na,Ni,Pb,S,Sb,Se,Si,Sn,Sr,T
CCV04	CCV04	1	1639	Ag,Al,As,B,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Li,Mg,Mn,Na,Ni,Pb,S,Sb,Se,Si,Sn,Sr,T
CCB04	CCB04	1	1643	Ag,Al,As,B,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Li,Mg,Mn,Na,Ni,Pb,S,Sb,Se,Si,Sn,Sr,T
CCV05	CCV05	1	1734	Ag,Al,As,B,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Li,Mg,Mn,Na,Ni,Pb,S,Sb,Se,Si,Sn,Sr,T
CCB05	CCB05	1	1746	Ag,Al,As,B,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Li,Mg,Mn,Na,Ni,Pb,S,Sb,Se,Si,Sn,Sr,T

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metals
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ANALYSIS RUN LOG

Client: Chemtech Consulting Group **Contract:** CHEM02

Lab code: CHEM **Case no.:** P4495 **Sas no.:** P4495 **Sdg no.:** P4495

Instrument id number: **Method:** **Run number:** LB133739

Start date: 12/04/2024 **End date:** 12/04/2024

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1257	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S1	S1	1	1301	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S2	S2	1	1305	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S3	S3	1	1310	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S4	S4	1	1314	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S5	S5	1	1318	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICV01	ICV01	1	1322	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
LLICV01	LLICV01	1	1334	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICB01	ICB01	1	1343	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CRI01	CRI01	1	1352	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSA01	ICSA01	1	1357	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSAB01	ICSAB01	1	1415	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV01	CCV01	1	1420	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB01	CCB01	1	1429	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P4495-10	PT-MET-SOIL	10	1433	Be
CCV02	CCV02	1	1437	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB02	CCB02	1	1441	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn

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LAB CHRONICLE

OrderID:	P4495	**OrderDate:**	10/23/2024 10:29:00 AM
Client:	Chemtech Consulting Group	**Project:**	NJ Soil PT
Contact:	QA Officer	**Location:**	QA Office,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4495-01	**PT-AN-SOIL**	**SOIL**			**10/21/24 10:00**			**10/23/24**
			Anions Group1	9056A			11/05/24 11:29	
P4495-01DL	**PT-AN-SOILDL**	**SOIL**			**10/21/24 10:00**			**10/23/24**
			Anions Group1	9056A			11/05/24 11:51	
P4495-02	**PT-CORR-SOIL**	**SOIL**			**10/21/24 10:00**			**10/23/24**
			Corrosivity	9045D			11/06/24 16:33	
P4495-03	**PT-CN-SOIL**	**SOIL**			**10/21/24 10:00**			**10/23/24**
			Cyanide	9012B		11/12/24	11/12/24 15:46	
P4495-03DL	**PT-CN-SOILDL**	**SOIL**			**10/21/24 10:00**			**10/23/24**
			Cyanide	9012B		11/12/24	11/12/24 16:01	
P4495-04	**PT-CN-SOIL**	**SOIL**			**10/21/24 10:00**			**10/23/24**
			Cyanide	9014		11/12/24	11/12/24 17:15	
P4495-04DL	**PT-CN-SOILDL**	**SOIL**			**10/21/24 10:00**			**10/23/24**
			Cyanide	9014		11/12/24	11/12/24 17:15	

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LAB CHRONICLE

P4495-05	**PT-FP-SOIL**	**SOIL**			**10/21/24 10:00**		**10/23/24**
			Flash Point	1010B		11/06/24 09:05	
P4495-06	**PT-CR6-SOIL**	**SOIL**			**10/21/24 10:00**		**10/23/24**
			Hexavalent Chromium	7196A	11/21/24	11/21/24 14:04	
P4495-06DL	**PT-CR6-SOILDL**	**SOIL**			**10/21/24 10:00**		**10/23/24**
			Hexavalent Chromium	7196A	11/21/24	11/21/24 14:25	
P4495-07	**PT-NUT-SOIL**	**SOIL**			**10/21/24 10:00**		**10/23/24**
			Ammonia	SM4500-NH3	11/04/24	11/05/24 11:01	
			Phosphorus, Total	365.3	11/13/24	11/13/24 11:07	
			TKN	SM4500-N Org C-11 plus NH3 B plus G-11	11/05/24	11/06/24 10:21	
			TOC	9060A		10/30/24 10:51	
P4495-07DL	**PT-NUT-SOILDL**	**SOIL**			**10/21/24 10:00**		**10/23/24**
			Ammonia	SM4500-NH3	11/04/24	11/05/24 12:29	
			Phosphorus, Total	365.3	11/13/24	11/13/24 11:07	
			TKN	SM4500-N Org C-11 plus NH3 B plus G-11	11/05/24	11/06/24 11:04	
P4495-08	**PT-NUT-SOIL**	**SOIL**			**10/21/24 10:00**		**10/23/24**

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LAB CHRONICLE

			TOC	Lloyd Kahn		10/30/24 10:51	
P4495-09	**PT-OGR-SOIL**	**SOIL**			**10/21/24 10:00**		**10/23/24**
			Oil and Grease	9071B		11/08/24 09:30	
P4495-24	**PT-SOL-SOIL**	**SOIL**			**10/21/24 10:00**		**10/23/24**
			TS	SM2540 B		10/23/24 11:00	
P4495-25	**PT-NO2-SOIL**	**SOIL**			**10/21/24 10:00**		**10/23/24**
			Anions Group2	9056A		11/05/24 11:08	

SAMPLE DATA

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Fax : 908 789 8922

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	10/21/24 10:00
Project:	NJ Soil PT	Date Received:	10/23/24
Client Sample ID:	PT-AN-SOIL	SDG No.:	P4495
Lab Sample ID:	P4495-01	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Bromide	84.6		1	0.49	40.0	mg/Kg		11/05/24 11:29	9056A
Chloride	723	OR	1	0.096	12.0	mg/Kg		11/05/24 11:29	9056A
Fluoride	125	OR	1	0.38	8.00	mg/Kg		11/05/24 11:29	9056A
Nitrite	0.19	U	1	0.19	12.0	mg/Kg		11/05/24 11:29	9056A
Nitrate	279	OR	1	0.089	10.0	mg/Kg		11/05/24 11:29	9056A
Sulfate	1760	OR	1	0.61	60.0	mg/Kg		11/05/24 11:29	9056A
Orthophosphate as P	191		1	0.24	20.0	mg/Kg		11/05/24 11:29	9056A

Comments:

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

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

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Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	10/21/24 10:00
Project:	NJ Soil PT	Date Received:	10/23/24
Client Sample ID:	PT-AN-SOILDL	SDG No.:	P4495
Lab Sample ID:	P4495-01DL	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Chloride	659	D	5	0.48	60.0	mg/Kg		11/05/24 11:51	9056A
Fluoride	121	D	5	1.90	40.0	mg/Kg		11/05/24 11:51	9056A
Nitrate	267	D	5	0.45	50.0	mg/Kg		11/05/24 11:51	9056A
Sulfate	1650	D	5	3.10	300	mg/Kg		11/05/24 11:51	9056A

Comments:

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

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

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Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	10/21/24 10:00
Project:	NJ Soil PT	Date Received:	10/23/24
Client Sample ID:	PT-CORR-SOIL	SDG No.:	P4495
Lab Sample ID:	P4495-02	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Corrosivity	7.50		1	0	0	pH		11/06/24 16:33	9045D

Comments: pH result reported at temperature 23.4 °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:	Chemtech Consulting Group	Date Collected:	10/21/24 10:00
Project:	NJ Soil PT	Date Received:	10/23/24
Client Sample ID:	PT-CN-SOIL	SDG No.:	P4495
Lab Sample ID:	P4495-03	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	119	OR	1	0.044	0.25	mg/Kg	11/12/24 09:00	11/12/24 15:46	9012B

Comments:

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

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

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Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	10/21/24 10:00
Project:	NJ Soil PT	Date Received:	10/23/24
Client Sample ID:	PT-CN-SOILDL	SDG No.:	P4495
Lab Sample ID:	P4495-03DL	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	133	D	10	0.44	2.50	mg/Kg	11/12/24 09:00	11/12/24 16:01	9012B

Comments:

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

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

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Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	10/21/24 10:00
Project:	NJ Soil PT	Date Received:	10/23/24
Client Sample ID:	PT-CN-SOIL	SDG No.:	P4495
Lab Sample ID:	P4495-04	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	120	OR	1	0.057	0.25	mg/Kg	11/12/24 09:00	11/12/24 17:15	9014

Comments:

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

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

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Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	10/21/24 10:00
Project:	NJ Soil PT	Date Received:	10/23/24
Client Sample ID:	PT-CN-SOILDL	SDG No.:	P4495
Lab Sample ID:	P4495-04DL	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	134	D	10	0.57	2.50	mg/Kg	11/12/24 09:00	11/12/24 17:15	9014

Comments:

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

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

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Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	10/21/24 10:00
Project:	NJ Soil PT	Date Received:	10/23/24
Client Sample ID:	PT-FP-SOIL	SDG No.:	P4495
Lab Sample ID:	P4495-05	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Flash Point	113		1	0	0	o F		11/06/24 09:05	1010B

Comments: Other method reference for flash point : Pensky-Martens Closed Cup Flash Point ASTM D 93 - IP 34

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:	Chemtech Consulting Group	Date Collected:	10/21/24 10:00
Project:	NJ Soil PT	Date Received:	10/23/24
Client Sample ID:	PT-CR6-SOIL	SDG No.:	P4495
Lab Sample ID:	P4495-06	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Hexavalent Chromium	41.0	OR	1	0.079	0.40	mg/Kg	11/21/24 10:00	11/21/24 14:04	7196A

Comments:

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

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

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Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	10/21/24 10:00
Project:	NJ Soil PT	Date Received:	10/23/24
Client Sample ID:	PT-CR6-SOILDL	SDG No.:	P4495
Lab Sample ID:	P4495-06DL	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Hexavalent Chromium	34.0	D	2	0.16	0.80	mg/Kg	11/21/24 10:00	11/21/24 14:25	7196A

Comments:

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

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

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Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	10/21/24 10:00
Project:	NJ Soil PT	Date Received:	10/23/24
Client Sample ID:	PT-NUT-SOIL	SDG No.:	P4495
Lab Sample ID:	P4495-07	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Ammonia as N	1360	OR	1	0.90	5.00	mg/Kg	11/04/24 10:10	11/05/24 11:01	SM 4500-NH3 B plus G-11
Phosphorus, Total	167	OR	1	0.24	2.50	mg/Kg	11/13/24 08:30	11/13/24 11:07	365.3
TKN	1690	OR	1	9.40	25.0	mg/Kg	11/05/24 14:20	11/06/24 10:21	SM4500-N Org C-11 plus NH3 B plus G-11
TOC	15900	OR	1	19.8	250	mg/Kg		10/30/24 10:51	9060A

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
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
* = 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:	Chemtech Consulting Group	Date Collected:	10/21/24 10:00
Project:	NJ Soil PT	Date Received:	10/23/24
Client Sample ID:	PT-NUT-SOILDL	SDG No.:	P4495
Lab Sample ID:	P4495-07DL	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Ammonia as N	2180	D	40	36.0	200	mg/Kg	11/04/24 10:10	11/05/24 12:29	SM 4500-NH3 B plus G-11
Phosphorus, Total	2640	D	100	24.0	250	mg/Kg	11/13/24 08:30	11/13/24 11:07	365.3
TKN	3370	D	10	94.0	250	mg/Kg	11/05/24 14:20	11/06/24 11:04	SM4500-N Org C-11 plus NH3 B plus G-11

Comments:

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H = Sample Analysis Out Of Hold Time

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B = Analyte Found in Associated Method Blank
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Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	10/21/24 10:00
Project:	NJ Soil PT	Date Received:	10/23/24
Client Sample ID:	PT-NUT-SOIL	SDG No.:	P4495
Lab Sample ID:	P4495-08	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
TOC	15900	OR	1	8.00	250	mg/Kg		10/30/24 10:51	Lloyd Kahn

Comments:

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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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N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	10/21/24 10:00
Project:	NJ Soil PT	Date Received:	10/23/24
Client Sample ID:	PT-OGR-SOIL	SDG No.:	P4495
Lab Sample ID:	P4495-09	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Oil and Grease	1290		1	3.25	25.0	mg/Kg		11/08/24 09:30	SW9071B

Comments:

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Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	10/21/24 10:00
Project:	NJ Soil PT	Date Received:	10/23/24
Client Sample ID:	PT-SOL-SOIL	SDG No.:	P4495
Lab Sample ID:	P4495-24	Matrix:	SOIL
		% Solid:	75.7

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
TS	75.9		1	1.00	5.00	%		10/23/24 11:00	SM 2540 B-15

Comments:

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LOD = Limit of Detection
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J = Estimated Value
B = Analyte Found in Associated Method Blank
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N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	10/21/24 10:00
Project:	NJ Soil PT	Date Received:	10/23/24
Client Sample ID:	PT-NO2-SOIL	SDG No.:	P4495
Lab Sample ID:	P4495-25	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Nitrite	149		1	0.19	12.0	mg/Kg		11/05/24 11:08	9056A

Comments:

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MDL = Method Detection Limit
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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OR = Over Range
N =Spiked sample recovery not within control limits

QC RESULT SUMMARY

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Initial and Continuing Calibration Verification

Client: Chemtech Consulting Group **SDG No.:** P4495

Project: NJ Soil PT **RunNo.:** LB133199

Analyte		Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID:	ICV1						
TOC		mg/L	1010	1000	101	90-110	08/07/2024
Sample ID:	CCV1						
TOC		mg/L	1000	1000	100	90-110	10/30/2024
Sample ID:	CCV2						
TOC		mg/L	1020	1000	102	90-110	10/30/2024
Sample ID:	CCV3						
TOC		mg/L	1060	1000	106	90-110	10/30/2024

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Initial and Continuing Calibration Verification

Client:	Chemtech Consulting Group	**SDG No.:**	P4495
Project:	NJ Soil PT	**RunNo.:**	LB133228

Analyte		Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID:	**ICV1**						
TOC		mg/L	1010	1000	101	90-110	08/07/2024
Sample ID:	**CCV1**						
TOC		mg/L	1000	1000	100	90-110	10/30/2024
Sample ID:	**CCV2**						
TOC		mg/L	1020	1000	102	90-110	10/30/2024

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Initial and Continuing Calibration Verification

Client: Chemtech Consulting Group **SDG No.:** P4495

Project: NJ Soil PT **RunNo.:** LB133290

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV1						
Bromide	mg/L	10	10	100	90-110	10/16/2024
Chloride	mg/L	3	3	100	90-110	10/16/2024
Fluoride	mg/L	2	2	100	90-110	10/16/2024
Nitrite	mg/L	3	3	100	90-110	10/16/2024
Nitrate	mg/L	2.5	2.5	100	90-110	10/16/2024
Sulfate	mg/L	14.9	15	99	90-110	10/16/2024
Orthophosphate as P	mg/L	4.8	5	96	90-110	10/16/2024
Sample ID: CCV1						
Bromide	mg/L	10.4	10	104	90-110	11/05/2024
Chloride	mg/L	3.1	3	103	90-110	11/05/2024
Fluoride	mg/L	2.1	2	105	90-110	11/05/2024
Nitrite	mg/L	3.1	3	103	90-110	11/05/2024
Nitrate	mg/L	2.6	2.5	104	90-110	11/05/2024
Sulfate	mg/L	15.3	15	102	90-110	11/05/2024
Orthophosphate as P	mg/L	5.1	5	102	90-110	11/05/2024
Sample ID: CCV2						
Bromide	mg/L	10.4	10	104	90-110	11/05/2024
Chloride	mg/L	3.1	3	103	90-110	11/05/2024
Fluoride	mg/L	2	2	100	90-110	11/05/2024
Nitrite	mg/L	3.1	3	103	90-110	11/05/2024
Nitrate	mg/L	2.6	2.5	104	90-110	11/05/2024
Sulfate	mg/L	15.4	15	103	90-110	11/05/2024
Orthophosphate as P	mg/L	5.1	5	102	90-110	11/05/2024
Sample ID: CCV3						
Bromide	mg/L	10.4	10	104	90-110	11/05/2024
Chloride	mg/L	3.1	3	103	90-110	11/05/2024
Fluoride	mg/L	2.1	2	105	90-110	11/05/2024
Nitrite	mg/L	3.1	3	103	90-110	11/05/2024
Nitrate	mg/L	2.6	2.5	104	90-110	11/05/2024
Sulfate	mg/L	15.4	15	103	90-110	11/05/2024
Orthophosphate as P	mg/L	5.1	5	102	90-110	11/05/2024

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Initial and Continuing Calibration Verification

Client: Chemtech Consulting Group **SDG No.:** P4495

Project: NJ Soil PT **RunNo.:** LB133302

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV1						
Ammonia as N	mg/L	1	1	100	90-110	11/05/2024
Sample ID: CCV1						
Ammonia as N	mg/L	1	1	100	90-110	11/05/2024
Sample ID: CCV2						
Ammonia as N	mg/L	1	1	100	90-110	11/05/2024
Sample ID: CCV3						
Ammonia as N	mg/L	1	1	100	90-110	11/05/2024
Sample ID: CCV4						
Ammonia as N	mg/L	1	1	100	90-110	11/05/2024

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Initial and Continuing Calibration Verification

Client:	Chemtech Consulting Group	**SDG No.:**	P4495
Project:	NJ Soil PT	**RunNo.:**	LB133312

Analyte		Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID:	**ICV1**						
TKN		mg/L	4.8	5	96	90-110	11/06/2024
Sample ID:	**CCV1**						
TKN		mg/L	5.3	5	106	90-110	11/06/2024
Sample ID:	**CCV2**						
TKN		mg/L	5.1	5	102	90-110	11/06/2024
Sample ID:	**CCV3**						
TKN		mg/L	5.2	5	104	90-110	11/06/2024

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Initial and Continuing Calibration Verification

Client:	Chemtech Consulting Group	**SDG No.:**	P4495
Project:	NJ Soil PT	**RunNo.:**	LB133316

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV						
Flash Point	o F	82.1	81	101	78-84	11/06/2024

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Initial and Continuing Calibration Verification

Client:	Chemtech Consulting Group	**SDG No.:**	P4495
Project:	NJ Soil PT	**RunNo.:**	LB133322

Analyte		Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID:	**ICV**						
Corrosivity		pH	7.02	7	100	90-110	11/06/2024
Sample ID:	**CCV1**						
Corrosivity		pH	2.01	2.00	101	90-110	11/06/2024
Sample ID:	**CCV2**						
Corrosivity		pH	12.02	12.00	100	90-110	11/06/2024
Sample ID:	**CCV3**						
Corrosivity		pH	2.01	2.00	101	90-110	11/06/2024

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Initial and Continuing Calibration Verification

Client:	Chemtech Consulting Group	**SDG No.:**	P4495
Project:	NJ Soil PT	**RunNo.:**	LB133420

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV						
Phosphorus, Total	mg/L	0.515	0.50	103	90-110	11/13/2024
Sample ID: CCV1						
Phosphorus, Total	mg/L	0.511	0.50	102	90-110	11/13/2024
Sample ID: CCV2						
Phosphorus, Total	mg/L	0.511	0.50	102	90-110	11/13/2024

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Initial and Continuing Calibration Verification

Client:	Chemtech Consulting Group	**SDG No.:**	P4495
Project:	NJ Soil PT	**RunNo.:**	LB133427

Analyte		Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID:	**ICV1**						
Cyanide		mg/L	0.094	0.099	95	90-110	11/12/2024
Sample ID:	**CCV1**						
Cyanide		mg/L	0.24	0.25	96	90-110	11/12/2024
Sample ID:	**CCV2**						
Cyanide		mg/L	0.25	0.25	100	90-110	11/12/2024

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Initial and Continuing Calibration Verification

Client:	Chemtech Consulting Group	**SDG No.:**	P4495
Project:	NJ Soil PT	**RunNo.:**	LB133428

Analyte		Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID:	**ICV1**						
Cyanide		mg/L	0.094	0.099	95	90-110	11/12/2024
Sample ID:	**CCV1**						
Cyanide		mg/L	0.24	0.25	96	90-110	11/12/2024
Sample ID:	**CCV2**						
Cyanide		mg/L	0.25	0.25	100	90-110	11/12/2024

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Initial and Continuing Calibration Verification

Client:	Chemtech Consulting Group	**SDG No.:**	P4495
Project:	NJ Soil PT	**RunNo.:**	LB133555

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV						
Hexavalent Chromium	mg/L	0.501	0.5	100	90-110	11/21/2024
Sample ID: CCV1						
Hexavalent Chromium	mg/L	0.503	0.5	101	90-110	11/21/2024
Sample ID: CCV2						
Hexavalent Chromium	mg/L	0.500	0.5	100	90-110	11/21/2024
Sample ID: CCV3						
Hexavalent Chromium	mg/L	0.499	0.5	100	90-110	11/21/2024
Sample ID: CCV4						
Hexavalent Chromium	mg/L	0.501	0.5	100	90-110	11/21/2024

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Initial and Continuing Calibration Blank Summary

Client:	Chemtech Consulting Group	**SDG No.:**	P4495
Project:	NJ Soil PT	**RunNo.:**	LB133199

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB1							
TOC	mg/L	< 125.0000	125.0000	U	32.1	250	08/07/2024
Sample ID: CCB1							
TOC	mg/L	< 125.0000	125.0000	U	32.1	250	10/30/2024
Sample ID: CCB2							
TOC	mg/L	< 125.0000	125.0000	U	32.1	250	10/30/2024
Sample ID: CCB3							
TOC	mg/L	< 125.0000	125.0000	U	32.1	250	10/30/2024

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Initial and Continuing Calibration Blank Summary

Client:	Chemtech Consulting Group	**SDG No.:**	P4495
Project:	NJ Soil PT	**RunNo.:**	LB133228

Analyte		Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID:	ICB1							
TOC		mg/L	< 125.0000	125.0000	U	22.3	250	08/07/2024
Sample ID:	CCB1							
TOC		mg/L	< 125.0000	125.0000	U	22.3	250	10/30/2024
Sample ID:	CCB2							
TOC		mg/L	< 125.0000	125.0000	U	22.3	250	10/30/2024

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Initial and Continuing Calibration Blank Summary

Client: Chemtech Consulting Group **SDG No.:** P4495

Project: NJ Soil PT **RunNo.:** LB133290

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB1							
Bromide	mg/L	< 1.0000	1.0000	U	0.034	2	10/16/2024
Chloride	mg/L	< 0.3000	0.3000	U	0.011	0.6	10/16/2024
Fluoride	mg/L	< 0.2000	0.2000	U	0.057	0.4	10/16/2024
Nitrite	mg/L	< 0.3000	0.3000	U	0.011	0.6	10/16/2024
Nitrate	mg/L	< 0.2500	0.2500	U	0.0034	0.5	10/16/2024
Sulfate	mg/L	< 1.5000	1.5000	U	0.032	3	10/16/2024
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.079	1	10/16/2024
Sample ID: CCB1							
Bromide	mg/L	< 1.0000	1.0000	U	0.034	2	11/05/2024
Chloride	mg/L	< 0.3000	0.3000	U	0.011	0.6	11/05/2024
Fluoride	mg/L	< 0.2000	0.2000	U	0.057	0.4	11/05/2024
Nitrite	mg/L	< 0.3000	0.3000	U	0.011	0.6	11/05/2024
Nitrate	mg/L	< 0.2500	0.2500	U	0.0034	0.5	11/05/2024
Sulfate	mg/L	< 1.5000	1.5000	U	0.032	3	11/05/2024
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.079	1	11/05/2024
Sample ID: CCB2							
Bromide	mg/L	< 1.0000	1.0000	U	0.034	2	11/05/2024
Chloride	mg/L	< 0.3000	0.3000	U	0.011	0.6	11/05/2024
Fluoride	mg/L	< 0.2000	0.2000	U	0.057	0.4	11/05/2024
Nitrite	mg/L	< 0.3000	0.3000	U	0.011	0.6	11/05/2024
Nitrate	mg/L	< 0.2500	0.2500	U	0.0034	0.5	11/05/2024
Sulfate	mg/L	< 1.5000	1.5000	U	0.032	3	11/05/2024
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.079	1	11/05/2024
Sample ID: CCB3							
Bromide	mg/L	< 1.0000	1.0000	U	0.034	2	11/05/2024
Chloride	mg/L	< 0.3000	0.3000	U	0.011	0.6	11/05/2024
Fluoride	mg/L	< 0.2000	0.2000	U	0.057	0.4	11/05/2024
Nitrite	mg/L	< 0.3000	0.3000	U	0.011	0.6	11/05/2024
Nitrate	mg/L	< 0.2500	0.2500	U	0.0034	0.5	11/05/2024
Sulfate	mg/L	< 1.5000	1.5000	U	0.032	3	11/05/2024
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.079	1	11/05/2024

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Initial and Continuing Calibration Blank Summary

Client: Chemtech Consulting Group **SDG No.:** P4495

Project: NJ Soil PT **RunNo.:** LB133302

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB1							
Ammonia as N	mg/L	< 0.0500	0.0500	U	0.045	0.1	11/05/2024
Sample ID: CCB1							
Ammonia as N	mg/L	< 0.0500	0.0500	U	0.045	0.1	11/05/2024
Sample ID: CCB2							
Ammonia as N	mg/L	< 0.0500	0.0500	U	0.045	0.1	11/05/2024
Sample ID: CCB3							
Ammonia as N	mg/L	< 0.0500	0.0500	U	0.045	0.1	11/05/2024
Sample ID: CCB4							
Ammonia as N	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: Chemtech Consulting Group **SDG No.:** P4495

Project: NJ Soil PT **RunNo.:** LB133312

Analyte		Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID:	ICB1							
TKN		mg/L	< 0.2500	0.2500	U	0.18	0.5	11/06/2024
Sample ID:	CCB1							
TKN		mg/L	< 0.2500	0.2500	U	0.18	0.5	11/06/2024
Sample ID:	CCB2							
TKN		mg/L	< 0.2500	0.2500	U	0.18	0.5	11/06/2024
Sample ID:	CCB3							
TKN		mg/L	< 0.2500	0.2500	U	0.18	0.5	11/06/2024

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Initial and Continuing Calibration Blank Summary

Client: Chemtech Consulting Group **SDG No.:** P4495

Project: NJ Soil PT **RunNo.:** LB133420

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB							
Phosphorus, Total	mg/L	< 0.0250	0.0250	U	0.0047	0.05	11/13/2024
Sample ID: CCB1							
Phosphorus, Total	mg/L	< 0.0250	0.0250	U	0.0047	0.05	11/13/2024
Sample ID: CCB2							
Phosphorus, Total	mg/L	< 0.0250	0.0250	U	0.0047	0.05	11/13/2024

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Initial and Continuing Calibration Blank Summary

Client: Chemtech Consulting Group **SDG No.:** P4495

Project: NJ Soil PT **RunNo.:** LB133427

Analyte		Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID:	ICB1							
Cyanide		mg/L	< 0.0025	0.0025	U	0.00099	0.005	11/12/2024
Sample ID:	CCB1							
Cyanide		mg/L	< 0.0025	0.0025	U	0.00099	0.005	11/12/2024
Sample ID:	CCB2							
Cyanide		mg/L	< 0.0025	0.0025	U	0.00099	0.005	11/12/2024

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Initial and Continuing Calibration Blank Summary

Client: Chemtech Consulting Group **SDG No.:** P4495

Project: NJ Soil PT **RunNo.:** LB133428

Analyte		Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID:	ICB1							
Cyanide		mg/L	< 0.0025	0.0025	U	0.0010	0.005	11/12/2024
Sample ID:	CCB1							
Cyanide		mg/L	< 0.0025	0.0025	U	0.0010	0.005	11/12/2024
Sample ID:	CCB2							
Cyanide		mg/L	< 0.0025	0.0025	U	0.0010	0.005	11/12/2024

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Initial and Continuing Calibration Blank Summary

Client: Chemtech Consulting Group **SDG No.:** P4495

Project: NJ Soil PT **RunNo.:** LB133555

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB							
Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0027	0.01	11/21/2024
Sample ID: CCB1							
Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0027	0.01	11/21/2024
Sample ID: CCB2							
Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0027	0.01	11/21/2024
Sample ID: CCB3							
Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0027	0.01	11/21/2024
Sample ID: CCB4							
Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0027	0.01	11/21/2024

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Preparation Blank Summary

Client: Chemtech Consulting Group **SDG No.:** P4495

Project: NJ Soil PT

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: LB133077BL							
TS	%	< 2.5000	2.5000	U	1	5	10/23/2024
Sample ID: LB133199BLS							
TOC	mg/Kg	18.4	125.0000	J	8	250	10/30/2024
Sample ID: LB133228BLS							
TOC	mg/Kg	< 125.0000	125.0000	U	19.8	250	10/30/2024
Sample ID: LB133290BLS							
Bromide	mg/Kg	< 20.0000	20.0000	U	0.49	40	11/05/2024
Chloride	mg/Kg	< 6.0000	6.0000	U	0.096	12	11/05/2024
Fluoride	mg/Kg	< 4.0000	4.0000	U	0.38	8	11/05/2024
Nitrite	mg/Kg	< 6.0000	6.0000	U	0.19	12	11/05/2024
Nitrate	mg/Kg	< 5.0000	5.0000	U	0.089	10	11/05/2024
Sulfate	mg/Kg	< 30.0000	30.0000	U	0.61	60	11/05/2024
Orthophosphate as P	mg/Kg	< 10.0000	10.0000	U	0.24	20	11/05/2024
Sample ID: LB133347BL							
Oil and Grease	mg/Kg	4.99	12.5000	J	3.25	25	11/08/2024
Sample ID: PB164458BL							
Ammonia as N	mg/Kg	< 2.5000	2.5000	U	0.9	5	11/05/2024
Sample ID: PB164710BL							
TKN	mg/Kg	< 12.5000	12.5000	U	9.4	25	11/06/2024
Sample ID: PB164718BL							
Cyanide	mg/Kg	< 0.1250	0.1250	U	0.044	0.25	11/12/2024
Sample ID: PB164719BL							
Cyanide	mg/Kg	< 0.1250	0.1250	U	0.057	0.25	11/12/2024
Sample ID: PB164936BL							
Phosphorus, Total	mg/Kg	< 1.2500	1.2500	U	0.24	2.5	11/13/2024
Sample ID: PB165110BL							
Hexavalent Chromium	mg/Kg	< 0.2000	0.2000	U	0.079	0.4	11/21/2024

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Matrix Spike Summary

Client: Chemtech Consulting Group
SDG No.: P4495
Project: NJ Soil PT
Sample ID: P4605-02
Client ID: TAPIAL2-SED01-102824-00-T2MS
Percent Solids for Spike Sample: 85.8

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
TOC	mg/Kg	75-125	6270		5490		1000	1	78		10/30/2024

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Matrix Spike Summary

Client: Chemtech Consulting Group
SDG No.: P4495
Project: NJ Soil PT
Sample ID: P4605-02
Client ID: TAPIAL2-SED01-102824-00-T2MSD
Percent Solids for Spike Sample: 85.8

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
TOC	mg/Kg	75-125	6440		5490		1000	1	95		10/30/2024

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Matrix Spike Summary

Client: Chemtech Consulting Group
SDG No.: P4495
Project: NJ Soil PT
Sample ID: P4675-01
Client ID: COMP-1MS
Percent Solids for Spike Sample: 77.9

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Bromide	mg/Kg	80-120	259		0.63	U	260	1	100		11/05/2024
Ammonia as N	mg/Kg	75-125	67.5		1.90	J	62.3	1	105		11/05/2024
Chloride	mg/Kg	80-120	126		36.5		76.7	1	117		11/05/2024
Fluoride	mg/Kg	80-120	49.3		6.10	J	51.1	1	85		11/05/2024
Nitrite	mg/Kg	80-120	77.6		0.24	U	76.7	1	101		11/05/2024
Nitrate	mg/Kg	80-120	65.3		0.11	U	63.9	1	102		11/05/2024
Sulfate	mg/Kg	80-120	443		66.8	J	380	1	99		11/05/2024
Orthophosphate as P	mg/Kg	80-120	87.1		0.31	U	130	1	67	*	11/05/2024

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Matrix Spike Summary

Client: Chemtech Consulting Group
SDG No.: P4495
Project: NJ Soil PT
Sample ID: P4675-01
Client ID: COMP-1MSD
Percent Solids for Spike Sample: 77.9

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Bromide	mg/Kg	80-120	257		0.63	U	250	1	103		11/05/2024
Ammonia as N	mg/Kg	75-125	62.9		1.90	J	62.9	1	97		11/05/2024
Chloride	mg/Kg	80-120	126		36.5		76.3	1	117		11/05/2024
Fluoride	mg/Kg	80-120	48.6		6.10	J	50.8	1	84		11/05/2024
Nitrite	mg/Kg	80-120	77.2		0.24	U	76.3	1	101		11/05/2024
Nitrate	mg/Kg	80-120	65.0		0.11	U	63.5	1	102		11/05/2024
Sulfate	mg/Kg	80-120	441		66.8	J	380	1	98		11/05/2024
Orthophosphate as P	mg/Kg	80-120	85.7		0.31	U	130	1	66	*	11/05/2024

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Matrix Spike Summary

Client: Chemtech Consulting Group
SDG No.: P4495
Project: NJ Soil PT
Sample ID: P4722-13
Client ID: WC-3(0-6)MS
Percent Solids for Spike Sample: 86.6

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	2140		2610		115	1	-409	*	11/08/2024

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Matrix Spike Summary

Client: Chemtech Consulting Group
SDG No.: P4495
Project: NJ Soil PT
Sample ID: P4722-13
Client ID: WC-3(0-6)MSD
Percent Solids for Spike Sample: 86.6

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	2160		2610		115	1	-393	*	11/08/2024

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Matrix Spike Summary

Client: Chemtech Consulting Group
SDG No.: P4495
Project: NJ Soil PT
Sample ID: P4910-01
Client ID: MH-COTTAGEMS
Percent Solids for Spike Sample: 87.8

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Hexavalent Chromium	mg/Kg	75-125	1460		0.090	U	1460	40	100		11/21/2024

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Matrix Spike Summary

Client: Chemtech Consulting Group
SDG No.: P4495
Project: NJ Soil PT
Sample ID: P4910-01
Client ID: MH-COTTAGEMS
Percent Solids for Spike Sample: 87.8

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Hexavalent Chromium	mg/Kg	85-115	45.0		0.090	U	45.6	2	99		11/21/2024

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Matrix Spike Summary

Client: Chemtech Consulting Group
SDG No.: P4495
Project: NJ Soil PT
Sample ID: P4910-01
Client ID: MH-COTTAGEMS
Percent Solids for Spike Sample: 87.8

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Hexavalent Chromium	mg/Kg	75-125	37.6		0.090	U	45.6	2	82		11/21/2024

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Duplicate Sample Summary

Client: Chemtech Consulting Group
SDG No.: P4495
Project: NJ Soil PT
Sample ID: P4605-02
Client ID: TAPIAL2-SED01-102824-00-T2MSD
Percent Solids for Spike Sample: 85.8

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
TOC	mg/Kg	+/-20	6270		6440		1	3		10/30/2024

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Duplicate Sample Summary

Client: Chemtech Consulting Group
SDG No.: P4495
Project: NJ Soil PT
Sample ID: P4675-01
Client ID: COMP-1DUP
Percent Solids for Spike Sample: 77.9

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Ammonia as N	mg/Kg	+/-20	1.90	J	1.10	U	1	200	*	11/05/2024

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Duplicate Sample Summary

Client: Chemtech Consulting Group
SDG No.: P4495
Project: NJ Soil PT
Sample ID: P4675-01
Client ID: COMP-1MSD
Percent Solids for Spike Sample: 77.9

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Chloride	mg/Kg	+/-15	126		126		1	0		11/05/2024
Nitrate	mg/Kg	+/-15	65.3		65.0		1	0		11/05/2024
Sulfate	mg/Kg	+/-15	443		441		1	0		11/05/2024
Bromide	mg/Kg	+/-15	259		257		1	1		11/05/2024
Fluoride	mg/Kg	+/-15	49.3		48.6		1	1		11/05/2024
Nitrite	mg/Kg	+/-15	77.6		77.2		1	1		11/05/2024
Orthophosphate as P	mg/Kg	+/-15	87.1		85.7		1	2		11/05/2024
Ammonia as N	mg/Kg	+/-20	67.5		62.9		1	7		11/05/2024

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Duplicate Sample Summary

Client: Chemtech Consulting Group
SDG No.: P4495
Project: NJ Soil PT
Sample ID: P4703-01
Client ID: S0-1DUP
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
Flash Point	o F	+/-2	>212.0		>212.0		1	0		11/06/2024

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Duplicate Sample Summary

Client: Chemtech Consulting Group
SDG No.: P4495
Project: NJ Soil PT
Sample ID: P4722-13
Client ID: WC-3(0-6)DUP
Percent Solids for Spike Sample: 86.6

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	2610		2600		1	0.49		11/08/2024

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Duplicate Sample Summary

Client: Chemtech Consulting Group
SDG No.: P4495
Project: NJ Soil PT
Sample ID: P4722-13
Client ID: WC-3(0-6)MSD
Percent Solids for Spike Sample: 86.6

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	2140		2160		1	0.85		11/08/2024

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Duplicate Sample Summary

Client: Chemtech Consulting Group
Project: NJ Soil PT
Client ID: TP-11DUP
SDG No.: P4495
Sample ID: P4739-16
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	10.1		10.1		1	0.1		11/06/2024

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Duplicate Sample Summary

Client: Chemtech Consulting Group
SDG No.: P4495
Project: NJ Soil PT
Sample ID: P4910-01
Client ID: MH-COTTAGEDUP
Percent Solids for Spike Sample: 87.8

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Hexavalent Chromium	mg/Kg	+/-20	0.090	U	0.090	U	1	0		11/21/2024

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Laboratory Control Sample Summary

Client:	Chemtech Consulting Group	**SDG No.:**	P4495
Project:	NJ Soil PT	**Run No.:**	LB133199

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID LB133199BSS								
TOC	mg/Kg	1000	1010		101	1	90-110	10/30/2024

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Laboratory Control Sample Summary

Client:	Chemtech Consulting Group	**SDG No.:**	P4495
Project:	NJ Soil PT	**Run No.:**	LB133228

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID **LB133228BSS**								
TOC	**mg/Kg**	**1000**	**1010**		**101**	**1**	**90-110**	**10/30/2024**

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Laboratory Control Sample Summary

Client: Chemtech Consulting Group **SDG No.:** P4495

Project: NJ Soil PT **Run No.:** LB133290

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID LB133290BSS								
Bromide	mg/Kg	200	208		104	1	90-110	11/05/2024
Chloride	mg/Kg	60	62.2		104	1	90-110	11/05/2024
Fluoride	mg/Kg	40	41.4		104	1	90-110	11/05/2024
Nitrite	mg/Kg	60	62.2		104	1	90-110	11/05/2024
Nitrate	mg/Kg	50	52.1		104	1	90-110	11/05/2024
Sulfate	mg/Kg	300	306		102	1	90-110	11/05/2024
Orthophosphate as P	mg/Kg	100	103		103	1	90-110	11/05/2024

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Laboratory Control Sample Summary

Client:	Chemtech Consulting Group	**SDG No.:**	P4495
Project:	NJ Soil PT	**Run No.:**	LB133347

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID LB133347BS								
Oil and Grease	mg/Kg	100	94.8		95	1	80-120	11/08/2024

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Laboratory Control Sample Summary

Client:	Chemtech Consulting Group	**SDG No.:**	P4495
Project:	NJ Soil PT	**Run No.:**	LB133302

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID PB164458BS								
Ammonia as N	mg/Kg	50	51.9		104	1	90-110	11/05/2024

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Laboratory Control Sample Summary

Client:	Chemtech Consulting Group	**SDG No.:**	P4495
Project:	NJ Soil PT	**Run No.:**	LB133312

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID **PB164710BS**								
TKN	**mg/Kg**	**250**	**254**		**102**	**1**	**90-110**	**11/06/2024**

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Laboratory Control Sample Summary

Client:	Chemtech Consulting Group	**SDG No.:**	P4495
Project:	NJ Soil PT	**Run No.:**	LB133427

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID **PB164718BS**								
Cyanide	mg/Kg	5	4.70		94	1	85-115	11/12/2024

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Laboratory Control Sample Summary

Client:	Chemtech Consulting Group	**SDG No.:**	P4495
Project:	NJ Soil PT	**Run No.:**	LB133428

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID **PB164719BS**								
Cyanide	mg/Kg	5	4.90		98	1	85-115	11/12/2024

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Laboratory Control Sample Summary

Client:	Chemtech Consulting Group	**SDG No.:**	P4495
Project:	NJ Soil PT	**Run No.:**	LB133420

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID PB164936BS								
Phosphorus, Total	**mg/Kg**	**25.0**	**25.4**		**102**	**1**	**90-110**	**11/13/2024**

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Laboratory Control Sample Summary

Client:	Chemtech Consulting Group	**SDG No.:**	P4495
Project:	NJ Soil PT	**Run No.:**	LB133555

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID PB165110BS								
Hexavalent Chromium	mg/Kg	20	20.0		100	1	84-110	11/21/2024



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240903-01	Net 30	ZCM-100	1500470	FedEx 2nd Day	Golden, CO

Qty Ordered	Qty Shipped	Qty Backorder	Part Number	Part Description	Study Number	Lot Number
1	1	0	PT-MET-SOIL	SOIL/HW Trace Metals	HW1024	7098-04
1	1	0	PT-CR6-SOIL	SOIL/HW Hexavalent Chromium ✓	HW1024	7098-05D
1	1	0	PT-CN-SOIL	SOIL/HW Cyanide	HW1024	7098-06
1	1	0	PT-CORR-SOIL	SOIL/HW Corrosivity/pH ✓	HW1024	7098-11
1	1	0	PT-FP-SOIL	SOIL/HW Flash Point	HW1024	7098-10
1	1	0	PT-AN-SOIL	SOIL/HW Anions ✓	HW1024	7098-08
1	1	0	PT-NUT-SOIL	SOIL/HW Nutrients ✓	HW1024	7098-09B
1	1	0	PT-SOL-SOIL	SOIL/HW Solids	HW1024	7098-31
1	1	0	PT-NO2-SOIL	SOIL/HW Nitrite as N	HW1024	7098-71
1	1	0	PT-GAS-SOIL	SOIL/HW Gasoline	HW1024	7098-96
1	1	0	PT-DIES-SOIL	SOIL/HW Diesel in Soil	HW1024	7098-100
1	1	0	PT-OGR-SOIL	SOIL/HW Oil and Grease ✓	HW1024	7098-94
1	1	0	PT-VOA-SOIL	SOIL/HW Volatiles	HW1024	7098-12
1	1	0	PT-BNA-SOIL	SOIL/HW BNAs	HW1024	7098-13
1	1	0	PT-PEST-SOIL	SOIL/HW Pesticides	HW1024	7098-14
1	1	0	PT-CHLR-SOIL	SOIL/HW Chlordane	HW1024	7098-15
1	1	0	PT-TXP-SOIL	SOIL/HW Toxaphene	HW1024	7098-16
1	1	0	PT-PCB-SOIL	SOIL/HW PCBs	HW1024	7098-17
1	1	0	PT-PCBO-SOIL	SOIL/HW PCBs in Oil	HW1024	7098-88
1	1	0	PT-HERB-SOIL	SOIL/HW Herbicides	HW1024	7098-18
1	1	0	PT-PAH-SOIL	SOIL/HW PAHs	HW1024	7098-22
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1	1	0	PT-NJEPH-SOIL	NJ EPH in SOIL ✓✓	HW1024	7098-105

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Laboratory Certification

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

QA Control Code: A2070148