284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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ANALYTICAL RESULTS SUMMARY

GC SEMI-VOLATILES

PROJECT NAME : R36704

TETRA TECH, EMI

240 Continental Drive, Suite 200

Newark, DE - 19713

Phone No: 302-738-7551

ORDER ID : P4593

ATTENTION : Ava Heiss

Laboratory Certification ID # 20012

Table Of Contents for P4593

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Cover Page

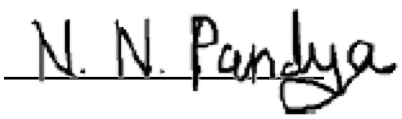
Order ID : P4593

Project ID : R36704

Client : Tetra Tech, EMI

Lab Sample Number	Client Sample Number
P4593-01	C0PI1
P4593-02	C0PI5

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 : 

APPROVED
Date: 11/8/2024
By Nimisha Pandya, QA/QC Supervisor at 10:02 am, Nov 11, 2024

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

Tetra Tech, EMI
Project Name: R36704
Project # N/A
Chemtech Project # P4593
Test Name: Herbicide

A. Number of Samples and Date of Receipt:
2 Water samples were received on 10/26/2024.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Herbicide. This data package contains results for Herbicide.

C. Analytical Techniques:
The analysis was performed on instrument ECD_S. The front column is RTX-CLPesticides which is 30 meters, 0.32 mm ID, 0. 5 um df,: Catalog # 11139. The rear column is RTX-CLPesticides2 which is 30 meters, 0.32 mm ID, 0.25 um df, Catalog #: 11324The analysis of Herbicides was based on method 8151A and extraction was done based on method 3510.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Retention Times were acceptable for all samples.
The RPD met criteria .
The Blank Spike met requirements for all samples .
The Blank Spike Duplicate met requirements for all samples .
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements .
The Continuous Calibration met the requirements .

E. Additional Comments:

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

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

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

Signature N. N. Pandya

APPROVED

By Nimisha Pandya, QA/QC Supervisor at 10:03 am, Nov 11, 2024

284 Sheffield Street, Mountainside NJ 07092 Tel.
908-789-8900 Fax: 908-789-8922

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 #: P4593

	Completed
For thorough review, the report must have the following:	
GENERAL:	
Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)	✓
Check chain-of-custody for proper relinquish/return of samples	✓
Is the chain of custody signed and complete	✓
Check internal chain-of-custody for proper relinquish/return of samples /sample extracts	✓
Collect information for each project id from server. Were all requirements followed	✓
COVER PAGE:	
Do numbers of samples correspond to the number of samples in the Chain of Custody on login page	✓
Do lab numbers and client Ids on cover page agree with the Chain of Custody	✓
CHAIN OF CUSTODY:	
Do requested analyses on Chain of Custody agree with form I results	✓
Do requested analyses on Chain of Custody agree with the log-in page	✓
Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody	✓
Were the samples received within hold time	✓
Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle	✓
ANALYTICAL:	
Was method requirement followed?	✓
Was client requirement followed?	✓
Does the case narrative summarize all QC failure?	✓
All runlogs and manual integration are reviewed for requirements	✓
All manual calculations and /or hand notations verified	✓

QA Review Signature: SOHIL JODHANI **Date:** 11/08/2024

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LAB CHRONICLE

OrderID:	P4593	**OrderDate:**	10/28/2024 10:27:46 AM
Client:	Tetra Tech, EMI	**Project:**	R36704
Contact:	Ava Heiss	**Location:**	K61

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4593-01	**C0PI1**	**WATER**			**10/22/24**			**10/26/24**
			Herbicide	8151A		10/28/24	11/01/24	
P4593-02	**C0PI5**	**WATER**			**10/23/24**			**10/26/24**
			Herbicide	8151A		10/28/24	11/01/24	

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Hit Summary Sheet
SW-846

SDG No.: P4593 **Order ID:** P4593

Client: Tetra Tech, EMI **Project ID:** R36704

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units

Client ID :

Total Concentration: 0.000

SAMPLE DATA

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	10/22/24
Project:	R36704	Date Received:	10/26/24
Client Sample ID:	C0PI1	SDG No.:	P4593
Lab Sample ID:	P4593-01	Matrix:	WATER
Analytical Method:	SW8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028156.D	1	10/28/24 13:45	11/01/24 09:43	PB164494

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
1918-00-9	DICAMBA	2.00	U	0.42	2.00	ug/L
120-36-5	DICHLORPROP	2.00	U	0.43	2.00	ug/L
94-75-7	2,4-D	2.00	U	0.49	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	2.00	U	0.45	2.00	ug/L
93-76-5	2,4,5-T	2.00	U	0.50	2.00	ug/L
94-82-6	2,4-DB	2.00	U	0.57	2.00	ug/L
88-85-7	DINOSEB	2.00	U	0.55	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	584		39 - 175	117%	SPK: 500

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Tetra Tech, EMI		Date Collected:	10/23/24	
Project:	R36704		Date Received:	10/26/24	
Client Sample ID:	C0PI5		SDG No.:	P4593	
Lab Sample ID:	P4593-02		Matrix:	WATER	
Analytical Method:	SW8151A		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Herbicide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028166.D	1	10/28/24 13:45	11/01/24 14:31	PB164494

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
1918-00-9	DICAMBA	2.00	U	0.42	2.00	ug/L
120-36-5	DICHLORPROP	2.00	U	0.43	2.00	ug/L
94-75-7	2,4-D	2.00	U	0.49	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	2.00	U	0.45	2.00	ug/L
93-76-5	2,4,5-T	2.00	U	0.50	2.00	ug/L
94-82-6	2,4-DB	2.00	U	0.57	2.00	ug/L
88-85-7	DINOSEB	2.00	U	0.55	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	589		39 - 175	118%	SPK: 500

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
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D = Dilution
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() = Laboratory InHouse Limit

QC SUMMARY

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Surrogate Summary

SDG No.: P4593

Client: Tetra Tech, EMI

Analytical Method: 8151A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
I.BLK-PS028101.D	PIBLK-PS028101.D	2,4-DCAA	1	500	497	99		39	175
		2,4-DCAA	2	500	507	101		39	175
I.BLK-PS028145.D	PIBLK-PS028145.D	2,4-DCAA	1	500	529	106		39	175
		2,4-DCAA	2	500	553	111		39	175
PB164494BL	PB164494BL	2,4-DCAA	1	500	560	112		39	175
		2,4-DCAA	2	500	528	106		39	175
P4593-01	C0PI1	2,4-DCAA	1	500	584	117		39	175
		2,4-DCAA	2	500	561	112		39	175
I.BLK-PS028157.D	PIBLK-PS028157.D	2,4-DCAA	1	500	533	107		39	175
		2,4-DCAA	2	500	528	106		39	175
P4593-02	C0PI5	2,4-DCAA	1	500	589	118		39	175
		2,4-DCAA	2	500	562	112		39	175
I.BLK-PS028167.D	PIBLK-PS028167.D	2,4-DCAA	1	500	537	107		39	175
		2,4-DCAA	2	500	533	107		39	175
I.BLK-PS028252.D	PIBLK-PS028252.D	2,4-DCAA	1	500	489	98		39	175
		2,4-DCAA	2	500	491	98		39	175
I.BLK-PS028283.D	PIBLK-PS028283.D	2,4-DCAA	1	500	529	106		39	175
		2,4-DCAA	2	500	516	103		39	175
PB164494BS	PB164494BS	2,4-DCAA	1	500	559	112		39	175
		2,4-DCAA	2	500	534	107		39	175
PB164494BSD	PB164494BSD	2,4-DCAA	1	500	553	111		39	175
		2,4-DCAA	2	500	527	105		39	175
I.BLK-PS028296.D	PIBLK-PS028296.D	2,4-DCAA	1	500	530	106		39	175
		2,4-DCAA	2	500	508	102		39	175

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4593

Client: Tetra Tech, EMI

Analytical Method: 8151A **Datafile :** PS028286.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB164494BS	DICAMBA	5	5.20	ug/L	104				67	136	
	DICHLORPROP	5	5.30	ug/L	106				88	119	
	2,4-D	5	5.30	ug/L	106				83	130	
	2,4,5-TP(Silvex)	5	5.40	ug/L	108				78	127	
	2,4,5-T	5	5.40	ug/L	108				74	129	
	2,4-DB	5	5.30	ug/L	106				53	149	
	Dinoseb	5	5.40	ug/L	108				72	131	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4593

Client: Tetra Tech, EMI

Analytical Method: 8151A **Datafile :** PS028287.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB164494BSD	DICAMBA	5	5.10	ug/L	102	2			67	136	20
	DICHLORPROP	5	5.20	ug/L	104	2			88	119	20
	2,4-D	5	5.30	ug/L	106	0			83	130	20
	2,4,5-TP(Silvex)	5	5.40	ug/L	108	0			78	127	20
	2,4,5-T	5	5.40	ug/L	108	0			74	129	20
	2,4-DB	5	5.30	ug/L	106	0			53	149	20
	Dinoseb	5	5.30	ug/L	106	2			72	131	20

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4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB164494BL

Lab Name: CHEMTECH Contract: TETR16

Lab Code: CHEM Case No.: P4593 SAS No.: P4593 SDG NO.: P4593

Lab Sample ID: PB164494BL Lab File ID: PS028153.D

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

Sulfur Cleanup: (Y/N) N Date Extracted: 10/28/2024

Date Analyzed (1): 11/01/2024 Date Analyzed (2): 11/01/2024

Time Analyzed (1): 08:31 Time Analyzed (2): 08:31

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

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
C0PI1	P4593-01	PS028156.D	11/01/2024	11/01/2024
C0PI5	P4593-02	PS028166.D	11/01/2024	11/01/2024
PB164494BS	PB164494BS	PS028286.D	11/07/2024	11/07/2024
PB164494BSD	PB164494BSD	PS028287.D	11/07/2024	11/07/2024

COMMENTS:

QC SAMPLE DATA

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Report of Analysis

Client:	Tetra Tech, EMI		Date Collected:		
Project:	R36704		Date Received:		
Client Sample ID:	PB164494BL		SDG No.:	P4593	
Lab Sample ID:	PB164494BL		Matrix:	WATER	
Analytical Method:	SW8151A		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Herbicide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028153.D	1	10/28/24 13:45	11/01/24 08:31	PB164494

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
1918-00-9	DICAMBA	2.00	U	0.42	2.00	ug/L
120-36-5	DICHLORPROP	2.00	U	0.43	2.00	ug/L
94-75-7	2,4-D	2.00	U	0.49	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	2.00	U	0.45	2.00	ug/L
93-76-5	2,4,5-T	2.00	U	0.50	2.00	ug/L
94-82-6	2,4-DB	2.00	U	0.57	2.00	ug/L
88-85-7	DINOSEB	2.00	U	0.55	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	560		39 - 175	112%	SPK: 500

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	10/31/24
Project:	R36704	Date Received:	10/31/24
Client Sample ID:	PIBLK-PS028101.D	SDG No.:	P4593
Lab Sample ID:	I.BLK-PS028101.D	Matrix:	WATER
Analytical Method:	SW8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028101.D	1		10/31/24	PS103124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
1918-00-9	DICAMBA	2.00	U	0.42	2.00	ug/L
120-36-5	DICHLORPROP	2.00	U	0.43	2.00	ug/L
94-75-7	2,4-D	2.00	U	0.49	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	2.00	U	0.45	2.00	ug/L
93-76-5	2,4,5-T	2.00	U	0.50	2.00	ug/L
94-82-6	2,4-DB	2.00	U	0.57	2.00	ug/L
88-85-7	DINOSEB	2.00	U	0.55	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	507		39 - 175	101%	SPK: 500

Comments:

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Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	11/01/24
Project:	R36704	Date Received:	11/01/24
Client Sample ID:	PIBLK-PS028145.D	SDG No.:	P4593
Lab Sample ID:	I.BLK-PS028145.D	Matrix:	WATER
Analytical Method:	SW8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028145.D	1		11/01/24	PS103124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
1918-00-9	DICAMBA	2.00	U	0.42	2.00	ug/L
120-36-5	DICHLORPROP	2.00	U	0.43	2.00	ug/L
94-75-7	2,4-D	2.00	U	0.49	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	2.00	U	0.45	2.00	ug/L
93-76-5	2,4,5-T	2.00	U	0.50	2.00	ug/L
94-82-6	2,4-DB	2.00	U	0.57	2.00	ug/L
88-85-7	DINOSEB	2.00	U	0.55	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	553		39 - 175	111%	SPK: 500

Comments:

U = Not Detected
LOQ = Limit of Quantitation
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284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	11/01/24
Project:	R36704	Date Received:	11/01/24
Client Sample ID:	PIBLK-PS028157.D	SDG No.:	P4593
Lab Sample ID:	I.BLK-PS028157.D	Matrix:	WATER
Analytical Method:	SW8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028157.D	1		11/01/24	PS103124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
1918-00-9	DICAMBA	2.00	U	0.42	2.00	ug/L
120-36-5	DICHLORPROP	2.00	U	0.43	2.00	ug/L
94-75-7	2,4-D	2.00	U	0.49	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	2.00	U	0.45	2.00	ug/L
93-76-5	2,4,5-T	2.00	U	0.50	2.00	ug/L
94-82-6	2,4-DB	2.00	U	0.57	2.00	ug/L
88-85-7	DINOSEB	2.00	U	0.55	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	533		39 - 175	107%	SPK: 500

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	11/01/24
Project:	R36704	Date Received:	11/01/24
Client Sample ID:	PIBLK-PS028167.D	SDG No.:	P4593
Lab Sample ID:	I.BLK-PS028167.D	Matrix:	WATER
Analytical Method:	SW8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028167.D	1		11/01/24	PS103124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
1918-00-9	DICAMBA	2.00	U	0.42	2.00	ug/L
120-36-5	DICHLORPROP	2.00	U	0.43	2.00	ug/L
94-75-7	2,4-D	2.00	U	0.49	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	2.00	U	0.45	2.00	ug/L
93-76-5	2,4,5-T	2.00	U	0.50	2.00	ug/L
94-82-6	2,4-DB	2.00	U	0.57	2.00	ug/L
88-85-7	DINOSEB	2.00	U	0.55	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	537		39 - 175	107%	SPK: 500

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	11/06/24
Project:	R36704	Date Received:	11/06/24
Client Sample ID:	PIBLK-PS028252.D	SDG No.:	P4593
Lab Sample ID:	I.BLK-PS028252.D	Matrix:	WATER
Analytical Method:	SW8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3510C		

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

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
1918-00-9	DICAMBA	2.00	U	0.42	2.00	ug/L
120-36-5	DICHLORPROP	2.00	U	0.43	2.00	ug/L
94-75-7	2,4-D	2.00	U	0.49	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	2.00	U	0.45	2.00	ug/L
93-76-5	2,4,5-T	2.00	U	0.50	2.00	ug/L
94-82-6	2,4-DB	2.00	U	0.57	2.00	ug/L
88-85-7	DINOSEB	2.00	U	0.55	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	491		39 - 175	98%	SPK: 500

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	11/06/24
Project:	R36704	Date Received:	11/06/24
Client Sample ID:	PIBLK-PS028283.D	SDG No.:	P4593
Lab Sample ID:	I.BLK-PS028283.D	Matrix:	WATER
Analytical Method:	SW8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028283.D	1		11/06/24	PS110624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
1918-00-9	DICAMBA	2.00	U	0.42	2.00	ug/L
120-36-5	DICHLORPROP	2.00	U	0.43	2.00	ug/L
94-75-7	2,4-D	2.00	U	0.49	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	2.00	U	0.45	2.00	ug/L
93-76-5	2,4,5-T	2.00	U	0.50	2.00	ug/L
94-82-6	2,4-DB	2.00	U	0.57	2.00	ug/L
88-85-7	DINOSEB	2.00	U	0.55	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	529		39 - 175	106%	SPK: 500

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	11/07/24
Project:	R36704	Date Received:	11/07/24
Client Sample ID:	PIBLK-PS028296.D	SDG No.:	P4593
Lab Sample ID:	I.BLK-PS028296.D	Matrix:	WATER
Analytical Method:	SW8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028296.D	1		11/07/24	PS110624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
1918-00-9	DICAMBA	2.00	U	0.42	2.00	ug/L
120-36-5	DICHLORPROP	2.00	U	0.43	2.00	ug/L
94-75-7	2,4-D	2.00	U	0.49	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	2.00	U	0.45	2.00	ug/L
93-76-5	2,4,5-T	2.00	U	0.50	2.00	ug/L
94-82-6	2,4-DB	2.00	U	0.57	2.00	ug/L
88-85-7	DINOSEB	2.00	U	0.55	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	530		39 - 175	106%	SPK: 500

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Tetra Tech, EMI		Date Collected:		
Project:	R36704		Date Received:		
Client Sample ID:	PB164494BS		SDG No.:	P4593	
Lab Sample ID:	PB164494BS		Matrix:	WATER	
Analytical Method:	SW8151A		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Herbicide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028286.D	1	10/28/24 13:45	11/07/24 00:15	PB164494

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
1918-00-9	DICAMBA	5.20		0.42	2.00	ug/L
120-36-5	DICHLORPROP	5.30		0.43	2.00	ug/L
94-75-7	2,4-D	5.30		0.49	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	5.40		0.45	2.00	ug/L
93-76-5	2,4,5-T	5.40		0.50	2.00	ug/L
94-82-6	2,4-DB	5.30		0.57	2.00	ug/L
88-85-7	DINOSEB	5.40		0.55	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	559		39 - 175	112%	SPK: 500

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Tetra Tech, EMI		Date Collected:		
Project:	R36704		Date Received:		
Client Sample ID:	PB164494BSD		SDG No.:	P4593	
Lab Sample ID:	PB164494BSD		Matrix:	WATER	
Analytical Method:	SW8151A		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Herbicide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028287.D	1	10/28/24 13:45	11/07/24 00:39	PB164494

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
1918-00-9	DICAMBA	5.10		0.42	2.00	ug/L
120-36-5	DICHLORPROP	5.20		0.43	2.00	ug/L
94-75-7	2,4-D	5.30		0.49	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	5.40		0.45	2.00	ug/L
93-76-5	2,4,5-T	5.40		0.50	2.00	ug/L
94-82-6	2,4-DB	5.30		0.57	2.00	ug/L
88-85-7	DINOSEB	5.30		0.55	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	553		39 - 175	111%	SPK: 500

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

CALIBRATION SUMMARY

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RETENTION TIMES OF INITIAL CALIBRATION

Contract: TETR16

Lab Code: CHEM **Case No.:** P4593 **SAS No.:** P4593 **SDG NO.:** P4593

Instrument ID: ECD_S **Calibration Date(s):** 10/31/2024 10/31/2024

Calibration Times: 10:51 12:27

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

LAB FILE ID: RT 200 = PS028102.D RT 500 = PS028103.D

RT 750 = PS028104.D RT 1000 = PS028105.D RT 1500 = PS028106.D

COMPOUND	RT 200	RT 500	RT 750	RT 1000	RT 1500	MEAN RT	RT WINDOW FROM	RT WINDOW TO
2,4,5-T	9.28	9.28	9.28	9.28	9.28	9.28	9.18	9.38
2,4,5-TP(Silvex)	8.99	8.99	8.99	8.99	8.99	8.99	8.89	9.09
2,4-D	8.14	8.14	8.14	8.14	8.14	8.14	8.04	8.24
2,4-DB	9.84	9.84	9.84	9.84	9.84	9.84	9.74	9.94
2,4-DCAA	7.06	7.06	7.06	7.06	7.06	7.06	6.96	7.16
DICAMBA	7.24	7.24	7.24	7.24	7.24	7.24	7.14	7.34
DICHLORPROP	7.92	7.92	7.92	7.92	7.92	7.92	7.82	8.02
Dinoseb	11.01	11.01	11.01	11.01	11.01	11.01	10.91	11.11

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RETENTION TIMES OF INITIAL CALIBRATION

Contract: TETR16

Lab Code: CHEM **Case No.:** P4593 **SAS No.:** P4593 **SDG NO.:** P4593

Instrument ID: ECD_S **Calibration Date(s):** 10/31/2024 10/31/2024

Calibration Times: 10:51 12:27

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

LAB FILE ID: RT 200 = PS028102.D RT 500 = PS028103.D

RT 750 = PS028104.D RT 1000 = PS028105.D RT 1500 = PS028106.D

COMPOUND	RT 200	RT 500	RT 750	RT 1000	RT 1500	MEAN RT	RT WINDOW FROM	RT WINDOW TO
2,4,5-T	10.14	10.14	10.13	10.14	10.14	10.14	10.04	10.24
2,4,5-TP(Silvex)	9.72	9.72	9.72	9.72	9.73	9.72	9.62	9.82
2,4-D	8.83	8.83	8.83	8.83	8.84	8.83	8.73	8.93
2,4-DB	10.70	10.70	10.70	10.70	10.70	10.70	10.60	10.80
2,4-DCAA	7.61	7.61	7.61	7.61	7.61	7.61	7.51	7.71
DICAMBA	7.80	7.80	7.80	7.80	7.81	7.80	7.70	7.90
DICHLORPROP	8.51	8.51	8.50	8.51	8.51	8.51	8.41	8.61
Dinoseb	11.07	11.07	11.07	11.08	11.08	11.07	10.97	11.17

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: TETR16

Lab Code: CHEM **Case No.:** P4593 **SAS No.:** P4593 **SDG NO.:** P4593

Instrument ID: ECD_S **Calibration Date(s):** 10/31/2024 10/31/2024

Calibration Times: 10:51 12:27

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

LAB FILE ID: **CF 200 =** PS028102.D **CF 500 =** PS028103.D

CF 750 = PS028104.D **CF 1000 =** PS028105.D **CF 1500 =** PS028106.D

COMPOUND	CF 200	CF 500	CF 750	CF 1000	CF 1500	CF	% RSD
2,4,5-T	24476700000	22435000000	21559300000	20464800000	19450600000	21677300000	9
2,4,5-TP(Silvex)	22891600000	21030800000	20298400000	19273000000	18375600000	20373900000	8
2,4-D	4683430000	4130700000	3987230000	3810000000	3695310000	4061330000	9
2,4-DB	3704650000	3428640000	3369410000	3264010000	3228140000	3398970000	6
2,4-DCAA	3647030000	3188450000	3045110000	2927180000	2835960000	3128750000	10
DICAMBA	15048200000	13996800000	13598200000	13118700000	12676600000	13687700000	7
DICHLORPROP	3917540000	3467260000	3333040000	3186160000	3102550000	3401310000	9
Dinoseb	18570300000	16899200000	16333500000	15628200000	15026100000	16491500000	8

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: TETR16

Lab Code: CHEM **Case No.:** P4593 **SAS No.:** P4593 **SDG NO.:** P4593

Instrument ID: ECD_S **Calibration Date(s):** 10/31/2024 10/31/2024

Calibration Times: 10:51 12:27

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

LAB FILE ID: **CF 200 =** PS028102.D **CF 500 =** PS028103.D

CF 750 = PS028104.D **CF 1000 =** PS028105.D **CF 1500 =** PS028106.D

COMPOUND	CF 200	CF 500	CF 750	CF 1000	CF 1500	CF	% RSD
2,4,5-T	6378170000	6219850000	6059070000	5931150000	6017390000	6121130000	3
2,4,5-TP(Silvex)	6724520000	6535760000	6190070000	6074290000	6251200000	6355170000	4
2,4-D	1362400000	1262070000	1161560000	1135900000	1165630000	1217510000	8
2,4-DB	796126000	751721000	739397000	737389000	757460000	756419000	3
2,4-DCAA	1139890000	1052670000	930936000	911429000	960799000	999145000	10
DICAMBA	4792790000	4754520000	4318960000	4300380000	4578590000	4549050000	5
DICHLORPROP	1246460000	1137870000	1034480000	1008880000	1040170000	1093570000	9
Dinoseb	4808430000	4536240000	4463430000	4426700000	4412880000	4529530000	4

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RETENTION TIMES OF INITIAL CALIBRATION

Contract: TETR16

Lab Code: CHEM **Case No.:** P4593 **SAS No.:** P4593 **SDG NO.:** P4593

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

Calibration Times: 09:48 11:24

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

LAB FILE ID: RT 200 = PS028253.D RT 500 = PS028254.D

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

COMPOUND	RT 200	RT 500	RT 750	RT 1000	RT 1500	MEAN RT	RT WINDOW FROM	RT WINDOW TO
2,4,5-T	9.57	9.57	9.57	9.57	9.57	9.57	9.47	9.67
2,4,5-TP(Silvex)	9.28	9.28	9.28	9.28	9.28	9.28	9.18	9.38
2,4-D	8.39	8.39	8.39	8.39	8.39	8.39	8.29	8.49
2,4-DB	10.15	10.15	10.15	10.15	10.15	10.15	10.05	10.25
2,4-DCAA	7.26	7.26	7.26	7.26	7.26	7.26	7.16	7.36
DICAMBA	7.45	7.45	7.45	7.45	7.45	7.45	7.35	7.55
DICHLORPROP	8.16	8.16	8.16	8.16	8.16	8.16	8.06	8.26
Dinoseb	11.36	11.37	11.36	11.37	11.36	11.36	11.26	11.46

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RETENTION TIMES OF INITIAL CALIBRATION

Contract: TETR16

Lab Code: CHEM **Case No.:** P4593 **SAS No.:** P4593 **SDG NO.:** P4593

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

Calibration Times: 09:48 11:24

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

LAB FILE ID: RT 200 = PS028253.D RT 500 = PS028254.D

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

COMPOUND	RT 200	RT 500	RT 750	RT 1000	RT 1500	MEAN RT	RT WINDOW FROM	RT WINDOW TO
2,4,5-T	10.35	10.34	10.34	10.34	10.34	10.34	10.24	10.44
2,4,5-TP(Silvex)	9.92	9.92	9.92	9.92	9.92	9.92	9.82	10.02
2,4-D	9.02	9.02	9.02	9.02	9.02	9.02	8.92	9.12
2,4-DB	10.91	10.91	10.91	10.91	10.91	10.91	10.81	11.01
2,4-DCAA	7.77	7.77	7.77	7.77	7.77	7.76	7.66	7.86
DICAMBA	7.97	7.97	7.97	7.97	7.97	7.97	7.87	8.07
DICHLORPROP	8.68	8.68	8.68	8.68	8.68	8.68	8.58	8.78
Dinoseb	11.29	11.29	11.29	11.29	11.29	11.29	11.19	11.39

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: TETR16

Lab Code: CHEM **Case No.:** P4593 **SAS No.:** P4593 **SDG NO.:** P4593

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

Calibration Times: 09:48 11:24

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

LAB FILE ID: **CF 200 =** PS028253.D **CF 500 =** PS028254.D

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

COMPOUND	CF 200	CF 500	CF 750	CF 1000	CF 1500	CF	% RSD
2,4,5-T	18605000000	17699100000	17397600000	16764700000	16211200000	17335500000	5
2,4,5-TP(Silvex)	18381400000	17393400000	17071400000	16437600000	15844400000	17025600000	6
2,4-D	3499520000	3198390000	3124710000	3013570000	2944350000	3156110000	7
2,4-DB	2953740000	2827030000	2824430000	2764350000	2763120000	2826530000	3
2,4-DCAA	2911600000	2530960000	2546610000	2432090000	2385800000	2561410000	8
DICAMBA	11781800000	11346100000	11291200000	10963200000	10760300000	11228500000	3
DICHLORPROP	3148380000	2853420000	2784160000	2683190000	2627250000	2819280000	7
Dinoseb	15121200000	14574900000	14554700000	14126500000	13917700000	14459000000	3

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: TETR16

Lab Code: CHEM **Case No.:** P4593 **SAS No.:** P4593 **SDG NO.:** P4593

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

Calibration Times: 09:48 11:24

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

LAB FILE ID: **CF 200 =** PS028253.D **CF 500 =** PS028254.D

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

COMPOUND	CF 200	CF 500	CF 750	CF 1000	CF 1500	CF	% RSD
2,4,5-T	12788400000	12436700000	12406800000	12012600000	11689500000	12266800000	3
2,4,5-TP(Silvex)	12950900000	12612000000	12578800000	12192000000	11879700000	12442700000	3
2,4-D	2348170000	2233230000	2226180000	2175820000	2167290000	2230140000	3
2,4-DB	1594690000	1565870000	1590090000	1575360000	1598480000	1584900000	1
2,4-DCAA	1855960000	1741220000	1731630000	1690270000	1689820000	1741780000	4
DICAMBA	7963390000	8019410000	8155900000	8026840000	7997280000	8032560000	1
DICHLORPROP	2102670000	2006780000	2002310000	1963630000	1970820000	2009240000	3
Dinoseb	8938980000	8771400000	8800740000	8588540000	8508600000	8721650000	2

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CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM **Case No.:** P4593 **SAS No.:** P4593 **SDG NO.:** P4593

Continuing Calib Date: 11/01/2024 **Initial Calibration Date(s):** 10/31/2024 10/31/2024

Continuing Calib Time: 05:18 **Initial Calibration Time(s):** 10:51 12:27

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.24	7.24	7.14	7.34	0.00
2,4-DCAA	7.06	7.06	6.96	7.16	0.00
DICHLORPROP	7.92	7.92	7.82	8.02	0.00
2,4-D	8.15	8.14	8.04	8.24	-0.01
2,4,5-TP(Silvex)	9.00	8.99	8.89	9.09	-0.01
2,4,5-T	9.28	9.28	9.18	9.38	0.00
2,4-DB	9.84	9.84	9.74	9.94	0.00
Dinoseb	11.01	11.01	10.91	11.11	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM **Case No.:** P4593 **SAS No.:** P4593 **SDG NO.:** P4593

Continuing Calib Date: 11/01/2024 **Initial Calibration Date(s):** 10/31/2024 10/31/2024

Continuing Calib Time: 05:18 **Initial Calibration Time(s):** 10:51 12:27

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.80	7.80	7.70	7.90	0.00
2,4-DCAA	7.61	7.61	7.51	7.71	0.00
DICHLORPROP	8.51	8.50	8.40	8.60	-0.01
2,4-D	8.83	8.83	8.73	8.93	0.00
2,4,5-TP(Silvex)	9.72	9.72	9.62	9.82	0.00
2,4,5-T	10.14	10.13	10.03	10.23	-0.01
2,4-DB	10.70	10.70	10.60	10.80	0.00
Dinoseb	11.08	11.07	10.97	11.17	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM **Case No.:** P4593 **SAS No.:** P4593 **SDG NO.:** P4593

GC Column: RTX-CLP **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 10/31/2024 10/31/2024

Client Sample No.: CCAL01 **Date Analyzed:** 11/01/2024

Lab Sample No.: HSTDCCC750 **Data File :** PS028146.D **Time Analyzed:** 05:18

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.279	9.176	9.376	748.110	712.500	5.0
2,4,5-TP(Silvex)	8.996	8.893	9.093	752.610	712.500	5.6
2,4-D	8.145	8.042	8.242	732.210	705.000	3.9
2,4-DB	9.841	9.737	9.937	748.580	712.500	5.1
2,4-DCAA	7.064	6.962	7.162	767.010	750.000	2.3
DICAMBA	7.242	7.140	7.340	737.040	705.000	4.5
DICHLORPROP	7.923	7.821	8.021	729.770	705.000	3.5
Dinoseb	11.014	10.910	11.110	732.980	705.000	4.0

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CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM **Case No.:** P4593 **SAS No.:** P4593 **SDG NO.:** P4593

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 10/31/2024 10/31/2024

Client Sample No.: CCAL01 **Date Analyzed:** 11/01/2024

Lab Sample No.: HSTDCCC750 **Data File :** PS028146.D **Time Analyzed:** 05:18

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	10.138	10.034	10.234	779.470	712.500	9.4
2,4,5-TP(Silvex)	9.723	9.620	9.820	774.850	712.500	8.8
2,4-D	8.831	8.728	8.928	741.680	705.000	5.2
2,4-DB	10.701	10.597	10.797	782.100	712.500	9.8
2,4-DCAA	7.607	7.505	7.705	777.940	750.000	3.7
DICAMBA	7.801	7.698	7.898	750.470	705.000	6.4
DICHLORPROP	8.507	8.404	8.604	739.240	705.000	4.9
Dinoseb	11.075	10.971	11.171	767.650	705.000	8.9

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CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM **Case No.:** P4593 **SAS No.:** P4593 **SDG NO.:** P4593

Continuing Calib Date: 11/01/2024 **Initial Calibration Date(s):** 10/31/2024 10/31/2024

Continuing Calib Time: 11:19 **Initial Calibration Time(s):** 10:51 12:27

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.24	7.24	7.14	7.34	0.00
2,4-DCAA	7.06	7.06	6.96	7.16	0.00
DICHLORPROP	7.92	7.92	7.82	8.02	0.00
2,4-D	8.15	8.14	8.04	8.24	-0.01
2,4,5-TP(Silvex)	9.00	8.99	8.89	9.09	0.00
2,4,5-T	9.28	9.28	9.18	9.38	0.00
2,4-DB	9.84	9.84	9.74	9.94	0.00
Dinoseb	11.01	11.01	10.91	11.11	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM **Case No.:** P4593 **SAS No.:** P4593 **SDG NO.:** P4593

Continuing Calib Date: 11/01/2024 **Initial Calibration Date(s):** 10/31/2024 10/31/2024

Continuing Calib Time: 11:19 **Initial Calibration Time(s):** 10:51 12:27

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.79	7.80	7.70	7.90	0.01
2,4-DCAA	7.60	7.61	7.51	7.71	0.01
DICHLORPROP	8.50	8.50	8.40	8.60	0.00
2,4-D	8.82	8.83	8.73	8.93	0.01
2,4,5-TP(Silvex)	9.71	9.72	9.62	9.82	0.01
2,4,5-T	10.13	10.13	10.03	10.23	0.00
2,4-DB	10.69	10.70	10.60	10.80	0.01
Dinoseb	11.07	11.07	10.97	11.17	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM **Case No.:** P4593 **SAS No.:** P4593 **SDG NO.:** P4593

GC Column: RTX-CLP **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 10/31/2024 10/31/2024

Client Sample No.: CCAL02 **Date Analyzed:** 11/01/2024

Lab Sample No.: HSTDCCC750 **Data File :** PS028158.D **Time Analyzed:** 11:19

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.278	9.176	9.376	729.530	712.500	2.4
2,4,5-TP(Silvex)	8.995	8.893	9.093	732.950	712.500	2.9
2,4-D	8.145	8.042	8.242	713.800	705.000	1.2
2,4-DB	9.840	9.737	9.937	727.090	712.500	2.0
2,4-DCAA	7.064	6.962	7.162	744.700	750.000	-0.7
DICAMBA	7.242	7.140	7.340	713.720	705.000	1.2
DICHLORPROP	7.924	7.821	8.021	707.110	705.000	0.3
Dinoseb	11.013	10.910	11.110	711.050	705.000	0.9

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CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM **Case No.:** P4593 **SAS No.:** P4593 **SDG NO.:** P4593

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 10/31/2024 10/31/2024

Client Sample No.: CCAL02 **Date Analyzed:** 11/01/2024

Lab Sample No.: HSTDCCC750 **Data File :** PS028158.D **Time Analyzed:** 11:19

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	10.128	10.034	10.234	772.730	712.500	8.5
2,4,5-TP(Silvex)	9.714	9.620	9.820	764.690	712.500	7.3
2,4-D	8.823	8.728	8.928	713.040	705.000	1.1
2,4-DB	10.691	10.597	10.797	785.870	712.500	10.3
2,4-DCAA	7.601	7.505	7.705	736.970	750.000	-1.7
DICAMBA	7.793	7.698	7.898	706.100	705.000	0.2
DICHLORPROP	8.499	8.404	8.604	713.950	705.000	1.3
Dinoseb	11.065	10.971	11.171	780.230	705.000	10.7

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CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM **Case No.:** P4593 **SAS No.:** P4593 **SDG NO.:** P4593

Continuing Calib Date: 11/01/2024 **Initial Calibration Date(s):** 10/31/2024 10/31/2024

Continuing Calib Time: 15:20 **Initial Calibration Time(s):** 10:51 12:27

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.24	7.24	7.14	7.34	0.00
2,4-DCAA	7.07	7.06	6.96	7.16	-0.01
DICHLORPROP	7.93	7.92	7.82	8.02	-0.01
2,4-D	8.15	8.14	8.04	8.24	-0.01
2,4,5-TP(Silvex)	9.00	8.99	8.89	9.09	-0.01
2,4,5-T	9.28	9.28	9.18	9.38	0.00
2,4-DB	9.84	9.84	9.74	9.94	0.00
Dinoseb	11.01	11.01	10.91	11.11	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM **Case No.:** P4593 **SAS No.:** P4593 **SDG NO.:** P4593

Continuing Calib Date: 11/01/2024 **Initial Calibration Date(s):** 10/31/2024 10/31/2024

Continuing Calib Time: 15:20 **Initial Calibration Time(s):** 10:51 12:27

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.80	7.80	7.70	7.90	0.00
2,4-DCAA	7.61	7.61	7.51	7.71	0.00
DICHLORPROP	8.51	8.50	8.40	8.60	-0.01
2,4-D	8.83	8.83	8.73	8.93	0.00
2,4,5-TP(Silvex)	9.72	9.72	9.62	9.82	0.00
2,4,5-T	10.14	10.13	10.03	10.23	-0.01
2,4-DB	10.70	10.70	10.60	10.80	0.00
Dinoseb	11.07	11.07	10.97	11.17	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM **Case No.:** P4593 **SAS No.:** P4593 **SDG NO.:** P4593

GC Column: RTX-CLP **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 10/31/2024 10/31/2024

Client Sample No.: CCAL03 **Date Analyzed:** 11/01/2024

Lab Sample No.: HSTDCCC750 **Data File :** PS028168.D **Time Analyzed:** 15:20

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.281	9.176	9.376	726.770	712.500	2.0
2,4,5-TP(Silvex)	8.997	8.893	9.093	731.040	712.500	2.6
2,4-D	8.146	8.042	8.242	715.850	705.000	1.5
2,4-DB	9.842	9.737	9.937	723.210	712.500	1.5
2,4-DCAA	7.065	6.962	7.162	745.580	750.000	-0.6
DICAMBA	7.243	7.140	7.340	711.910	705.000	1.0
DICHLORPROP	7.925	7.821	8.021	706.820	705.000	0.3
Dinoseb	11.014	10.910	11.110	701.750	705.000	-0.5

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CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM **Case No.:** P4593 **SAS No.:** P4593 **SDG NO.:** P4593

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 10/31/2024 10/31/2024

Client Sample No.: CCAL03 **Date Analyzed:** 11/01/2024

Lab Sample No.: HSTDCCC750 **Data File :** PS028168.D **Time Analyzed:** 15:20

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	10.136	10.034	10.234	772.040	712.500	8.4
2,4,5-TP(Silvex)	9.722	9.620	9.820	767.910	712.500	7.8
2,4-D	8.831	8.728	8.928	709.660	705.000	0.7
2,4-DB	10.699	10.597	10.797	780.260	712.500	9.5
2,4-DCAA	7.607	7.505	7.705	738.420	750.000	-1.5
DICAMBA	7.800	7.698	7.898	708.500	705.000	0.5
DICHLORPROP	8.506	8.404	8.604	714.060	705.000	1.3
Dinoseb	11.073	10.971	11.171	756.300	705.000	7.3

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CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM **Case No.:** P4593 **SAS No.:** P4593 **SDG NO.:** P4593

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

Continuing Calib Time: 23:03 **Initial Calibration Time(s):** 09:48 11:24

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.45	7.45	7.35	7.55	0.00
2,4-DCAA	7.26	7.26	7.16	7.36	0.00
DICHLORPROP	8.16	8.16	8.06	8.26	0.00
2,4-D	8.39	8.39	8.29	8.49	0.00
2,4,5-TP(Silvex)	9.27	9.28	9.18	9.38	0.01
2,4,5-T	9.57	9.57	9.47	9.67	0.00
2,4-DB	10.14	10.15	10.05	10.25	0.01
Dinoseb	11.36	11.36	11.26	11.46	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM **Case No.:** P4593 **SAS No.:** P4593 **SDG NO.:** P4593

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

Continuing Calib Time: 23:03 **Initial Calibration Time(s):** 09:48 11:24

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.96	7.97	7.87	8.07	0.01
2,4-DCAA	7.76	7.77	7.67	7.87	0.01
DICHLORPROP	8.68	8.68	8.58	8.78	0.00
2,4-D	9.01	9.02	8.92	9.12	0.01
2,4,5-TP(Silvex)	9.92	9.92	9.82	10.02	0.00
2,4,5-T	10.34	10.34	10.24	10.44	0.00
2,4-DB	10.91	10.91	10.81	11.01	0.00
Dinoseb	11.29	11.29	11.19	11.39	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM **Case No.:** P4593 **SAS No.:** P4593 **SDG NO.:** P4593

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

Client Sample No.: CCAL04 **Date Analyzed:** 11/06/2024

Lab Sample No.: HSTDCCC750 **Data File :** PS028284.D **Time Analyzed:** 23:03

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.567	9.469	9.669	767.920	712.500	7.8
2,4,5-TP(Silvex)	9.274	9.177	9.377	764.460	712.500	7.3
2,4-D	8.391	8.294	8.494	746.130	705.000	5.8
2,4-DB	10.144	10.047	10.247	761.720	712.500	6.9
2,4-DCAA	7.260	7.162	7.362	788.410	750.000	5.1
DICAMBA	7.449	7.351	7.551	747.530	705.000	6.0
DICHLORPROP	8.160	8.063	8.263	745.000	705.000	5.7
Dinoseb	11.361	11.264	11.464	760.470	705.000	7.9

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CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM **Case No.:** P4593 **SAS No.:** P4593 **SDG NO.:** P4593

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

Client Sample No.: CCAL04 **Date Analyzed:** 11/06/2024

Lab Sample No.: HSTDCCC750 **Data File :** PS028284.D **Time Analyzed:** 23:03

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	10.342	10.244	10.444	716.510	712.500	0.6
2,4,5-TP(Silvex)	9.921	9.823	10.023	729.370	712.500	2.4
2,4-D	9.013	8.915	9.115	714.340	705.000	1.3
2,4-DB	10.909	10.812	11.012	703.300	712.500	-1.3
2,4-DCAA	7.763	7.665	7.865	773.710	750.000	3.2
DICAMBA	7.964	7.867	8.067	747.660	705.000	6.1
DICHLORPROP	8.682	8.584	8.784	725.580	705.000	2.9
Dinoseb	11.290	11.191	11.391	697.660	705.000	-1.0

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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM **Case No.:** P4593 **SAS No.:** P4593 **SDG NO.:** P4593

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

Continuing Calib Time: 04:40 **Initial Calibration Time(s):** 09:48 11:24

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.45	7.45	7.35	7.55	0.00
2,4-DCAA	7.26	7.26	7.16	7.36	0.00
DICHLORPROP	8.16	8.16	8.06	8.26	0.00
2,4-D	8.39	8.39	8.29	8.49	0.00
2,4,5-TP(Silvex)	9.27	9.28	9.18	9.38	0.01
2,4,5-T	9.56	9.57	9.47	9.67	0.01
2,4-DB	10.14	10.15	10.05	10.25	0.01
Dinoseb	11.36	11.36	11.26	11.46	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM **Case No.:** P4593 **SAS No.:** P4593 **SDG NO.:** P4593

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

Continuing Calib Time: 04:40 **Initial Calibration Time(s):** 09:48 11:24

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.96	7.97	7.87	8.07	0.01
2,4-DCAA	7.76	7.77	7.67	7.87	0.01
DICHLORPROP	8.68	8.68	8.58	8.78	0.00
2,4-D	9.01	9.02	8.92	9.12	0.01
2,4,5-TP(Silvex)	9.92	9.92	9.82	10.02	0.00
2,4,5-T	10.34	10.34	10.24	10.44	0.00
2,4-DB	10.91	10.91	10.81	11.01	0.00
Dinoseb	11.29	11.29	11.19	11.39	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM **Case No.:** P4593 **SAS No.:** P4593 **SDG NO.:** P4593

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

Client Sample No.: CCAL05 **Date Analyzed:** 11/07/2024

Lab Sample No.: HSTDCCC750 **Data File :** PS028297.D **Time Analyzed:** 04:40

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.563	9.469	9.669	769.290	712.500	8.0
2,4,5-TP(Silvex)	9.270	9.177	9.377	773.230	712.500	8.5
2,4-D	8.388	8.294	8.494	749.690	705.000	6.3
2,4-DB	10.141	10.047	10.247	767.890	712.500	7.8
2,4-DCAA	7.258	7.162	7.362	772.740	750.000	3.0
DICAMBA	7.447	7.351	7.551	749.460	705.000	6.3
DICHLORPROP	8.157	8.063	8.263	750.990	705.000	6.5
Dinoseb	11.358	11.264	11.464	757.790	705.000	7.5

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CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM **Case No.:** P4593 **SAS No.:** P4593 **SDG NO.:** P4593

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

Client Sample No.: CCAL05 **Date Analyzed:** 11/07/2024

Lab Sample No.: HSTDCCC750 **Data File :** PS028297.D **Time Analyzed:** 04:40

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	10.340	10.244	10.444	706.210	712.500	-0.9
2,4,5-TP(Silvex)	9.918	9.823	10.023	718.100	712.500	0.8
2,4-D	9.011	8.915	9.115	700.360	705.000	-0.7
2,4-DB	10.908	10.812	11.012	688.940	712.500	-3.3
2,4-DCAA	7.761	7.665	7.865	760.410	750.000	1.4
DICAMBA	7.963	7.867	8.067	732.640	705.000	3.9
DICHLORPROP	8.680	8.584	8.784	712.320	705.000	1.0
Dinoseb	11.287	11.191	11.391	668.880	705.000	-5.1

Alliance TECHNICAL GROUP
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Analytical Sequence

Client: Tetra Tech, EMI **SDG No.:** P4593

Project: R36704 **Instrument ID:** ECD_S

GC Column: RTX-CLP **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 10/31/2024 10/31/2024

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

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCAA RT #	RT #
I.BLK	I.BLK	10/31/2024	10:27	PS028101.D	7.06	0.00
HSTDICC200	HSTDICC200	10/31/2024	10:51	PS028102.D	7.06	0.00
HSTDICC500	HSTDICC500	10/31/2024	11:15	PS028103.D	7.06	0.00
HSTDICC750	HSTDICC750	10/31/2024	11:39	PS028104.D	7.06	0.00
HSTDICC1000	HSTDICC1000	10/31/2024	12:03	PS028105.D	7.06	0.00
HSTDICC1500	HSTDICC1500	10/31/2024	12:27	PS028106.D	7.06	0.00
I.BLK	I.BLK	11/01/2024	04:54	PS028145.D	7.06	0.00
HSTDCCC750	HSTDCCC750	11/01/2024	05:18	PS028146.D	7.06	0.00
PB164494BL	PB164494BL	11/01/2024	08:31	PS028153.D	7.06	0.00
C0PI1	P4593-01	11/01/2024	09:43	PS028156.D	7.06	0.00
I.BLK	I.BLK	11/01/2024	10:07	PS028157.D	7.06	0.00
HSTDCCC750	HSTDCCC750	11/01/2024	11:19	PS028158.D	7.06	0.00
C0PI5	P4593-02	11/01/2024	14:31	PS028166.D	7.07	0.00
I.BLK	I.BLK	11/01/2024	14:55	PS028167.D	7.07	0.00
HSTDCCC750	HSTDCCC750	11/01/2024	15:20	PS028168.D	7.07	0.00
I.BLK	I.BLK	11/06/2024	09:24	PS028252.D	7.26	0.00
HSTDICC200	HSTDICC200	11/06/2024	09:48	PS028253.D	7.26	0.00
HSTDICC500	HSTDICC500	11/06/2024	10:12	PS028254.D	7.26	0.00
HSTDICC750	HSTDICC750	11/06/2024	10:36	PS028255.D	7.26	0.00
HSTDICC1000	HSTDICC1000	11/06/2024	11:00	PS028256.D	7.26	0.00
HSTDICC1500	HSTDICC1500	11/06/2024	11:24	PS028257.D	7.26	0.00
I.BLK	I.BLK	11/06/2024	22:39	PS028283.D	7.26	0.00
HSTDCCC750	HSTDCCC750	11/06/2024	23:03	PS028284.D	7.26	0.00
PB164494BS	PB164494BS	11/07/2024	00:15	PS028286.D	7.26	0.00
PB164494BSD	PB164494BSD	11/07/2024	00:39	PS028287.D	7.26	0.00
I.BLK	I.BLK	11/07/2024	04:16	PS028296.D	7.26	0.00
HSTDCCC750	HSTDCCC750	11/07/2024	04:40	PS028297.D	7.26	0.00

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Analytical Sequence

Client: Tetra Tech, EMI **SDG No.:** P4593

Project: R36704 **Instrument ID:** ECD_S

GC Column: RTX-CLP2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 10/31/2024 10/31/2024

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

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCAA RT #	RT #
I.BLK	I.BLK	10/31/2024	10:27	PS028101.D	7.61	0.00
HSTDICC200	HSTDICC200	10/31/2024	10:51	PS028102.D	7.61	0.00
HSTDICC500	HSTDICC500	10/31/2024	11:15	PS028103.D	7.61	0.00
HSTDICC750	HSTDICC750	10/31/2024	11:39	PS028104.D	7.61	0.00
HSTDICC1000	HSTDICC1000	10/31/2024	12:03	PS028105.D	7.61	0.00
HSTDICC1500	HSTDICC1500	10/31/2024	12:27	PS028106.D	7.61	0.00
I.BLK	I.BLK	11/01/2024	04:54	PS028145.D	7.61	0.00
HSTDCCC750	HSTDCCC750	11/01/2024	05:18	PS028146.D	7.61	0.00
PB164494BL	PB164494BL	11/01/2024	08:31	PS028153.D	7.60	0.00
C0PI1	P4593-01	11/01/2024	09:43	PS028156.D	7.61	0.00
I.BLK	I.BLK	11/01/2024	10:07	PS028157.D	7.61	0.00
HSTDCCC750	HSTDCCC750	11/01/2024	11:19	PS028158.D	7.60	0.00
C0PI5	P4593-02	11/01/2024	14:31	PS028166.D	7.61	0.00
I.BLK	I.BLK	11/01/2024	14:55	PS028167.D	7.61	0.00
HSTDCCC750	HSTDCCC750	11/01/2024	15:20	PS028168.D	7.61	0.00
I.BLK	I.BLK	11/06/2024	09:24	PS028252.D	7.76	0.00
HSTDICC200	HSTDICC200	11/06/2024	09:48	PS028253.D	7.77	0.00
HSTDICC500	HSTDICC500	11/06/2024	10:12	PS028254.D	7.77	0.00
HSTDICC750	HSTDICC750	11/06/2024	10:36	PS028255.D	7.77	0.00
HSTDICC1000	HSTDICC1000	11/06/2024	11:00	PS028256.D	7.77	0.00
HSTDICC1500	HSTDICC1500	11/06/2024	11:24	PS028257.D	7.77	0.00
I.BLK	I.BLK	11/06/2024	22:39	PS028283.D	7.76	0.00
HSTDCCC750	HSTDCCC750	11/06/2024	23:03	PS028284.D	7.76	0.00
PB164494BS	PB164494BS	11/07/2024	00:15	PS028286.D	7.76	0.00
PB164494BSD	PB164494BSD	11/07/2024	00:39	PS028287.D	7.76	0.00
I.BLK	I.BLK	11/07/2024	04:16	PS028296.D	7.76	0.00
HSTDCCC750	HSTDCCC750	11/07/2024	04:40	PS028297.D	7.76	0.00

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.
PB164494BS

Contract: TETR16

Lab Code: CHEM **Case No.:** P4593 **SAS No.:** P4593 **SDG NO.:** P4593

Lab Sample ID: PB164494BS **Date(s) Analyzed:** 11/07/2024 11/07/2024

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

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

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
2,4-D	1	8.39	8.34	8.44	5.30	7.8
	2	9.01	8.96	9.06	4.90	
2,4,5-TP(Silvex)	1	9.27	9.22	9.32	5.40	5.7
	2	9.92	9.87	9.97	5.10	
2,4,5-T	1	9.57	9.52	9.62	5.40	7.7
	2	10.34	10.29	10.39	5.00	
2,4-DB	1	10.14	10.09	10.19	5.30	9.9
	2	10.91	10.86	10.96	4.80	
DICHLORPROP	1	8.16	8.11	8.21	5.30	5.8
	2	8.68	8.63	8.73	5.00	
Dinoseb	1	11.36	11.31	11.41	5.40	11.8
	2	11.29	11.24	11.34	4.80	
DICAMBA	1	7.45	7.40	7.50	5.20	1.9
	2	7.96	7.91	8.01	5.10	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB164494BSD

Contract: TETR16

Lab Code: CHEM **Case No.:** P4593 **SAS No.:** P4593 **SDG NO.:** P4593

Lab Sample ID: PB164494BSD **Date(s) Analyzed:** 11/07/2024 11/07/2024

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

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

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
DICHLORPROP	1	8.16	8.11	8.21	5.20	5.9
	2	8.68	8.63	8.73	4.90	
2,4-D	1	8.39	8.34	8.44	5.30	9.9
	2	9.01	8.96	9.06	4.80	
2,4,5-TP(Silvex)	1	9.27	9.22	9.32	5.40	7.7
	2	9.92	9.87	9.97	5.00	
2,4,5-T	1	9.57	9.52	9.62	5.40	9.7
	2	10.34	10.29	10.39	4.90	
2,4-DB	1	10.14	10.09	10.19	5.30	12
	2	10.91	10.86	10.96	4.70	
Dinoseb	1	11.36	11.31	11.41	5.30	9.9
	2	11.29	11.24	11.34	4.80	
DICAMBA	1	7.45	7.40	7.50	5.10	2
	2	7.96	7.91	8.01	5.00	

SHIPPING DOCUMENTS

P4593

USEPA CLP COC (LAB COPY)
DateShipped: 10/25/2024
CarrierName: FedEx
AirbillNo: 7795 2687 5625

CHAIN OF CUSTODY RECORD

DAS #: R36704
Cooler #: Herbs

No: 3-102524-155132-0003
Lab: Chemtech Consulting Group
Lab Contact: Emanuel Hedvat
Lab Phone: 908-789-8900

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
PDA-RB01-20241022	C0PI1	Water/ START	Grab	HERB(21)	1020 (<6C), 1021 (<6C) (2)	QC	10/22/2024 16:55	
PDA-RB02-20241023	C0PI5	Water/ START	Grab	HERB(21)	1034 (<6C), 1035 (<6C) (2)	QC	10/23/2024 16:30	

Special Instructions:	**Shipment for Case Complete? N**
	Samples Transferred From Chain of Custody #
Analysis Key: HERB=Herbicides - aq	

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	START	10/25/24 1700		0900 10.26.2024	Temp 1.9°C IR Gun #1
					Custody seal intact
					Temp BLC present

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