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 : P4601

ATTENTION : Ava Heiss

Laboratory Certification ID # 20012

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Cover Page

Order ID : P4601

Project ID : R36704

Client : Tetra Tech, EMI

Lab Sample Number	Client Sample Number
P4601-19	C0PI0
P4601-20	C0PI2
P4601-21	C0PI6
P4601-22	C0PI8
P4601-23	C0PI9
P4601-24	CC0P1
P4601-25	CC0P3
P4601-26	CC0P5
P4601-27	CC0P7
P4601-28	CC0P9
P4601-29	CC0Q1
P4601-30	CC0Q6
P4601-31	CC0Q8
P4601-32	CC0R3
P4601-33	CC0R4
P4601-34	CC0R5
P4601-35	CC0R6
P4601-36	CC0R7
P4601-37	CC0R7MS
P4601-38	CC0R7MSD

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

Signature : N. N. Pandya

APPROVED Date: 11/13/2024

By Nimisha Pandya, QA/QC Supervisor at 10:39 am, Nov 13, 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 # P4601
Test Name: Herbicide

A. Number of Samples and Date of Receipt:
20 Solid samples were received on 10/29/2024.

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 MS {P4601-37MS} with File ID: PS028403.D recoveries met the requirements for all compounds except for 2,4,5-TP(Silvex)[147%], 2,4-D[147%] and Dinoseb[0%] due to matrix interference.

The MSD {P4601-38MSD} with File ID: PS028404.D recoveries met the acceptable requirements except for 2,4,5-TP(Silvex)[146%], 2,4-D[153%] and Dinoseb[0%] due to matrix interference.

The RPD met criteria .
The Blank Spike met requirements for all samples .
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements .
The Continuous Calibration met the requirements .

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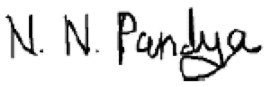
E. Additional Comments:
The soil samples results are based on a dry weight basis.

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

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

Signature 

APPROVED
By Nimisha Pandya, QA/QC Supervisor at 10:39 am, Nov 13, 2024

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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 #: P4601

	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:** 11/13/2024

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LAB CHRONICLE

OrderID:	P4601	**OrderDate:**	10/29/2024 10:35:00 AM
Client:	Tetra Tech, EMI	**Project:**	R36704
Contact:	Ava Heiss	**Location:**	K31

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4601-19	**C0PI0**	**SOIL**			**10/22/24**			**10/29/24**
			Herbicide	8151A		10/31/24	11/07/24	
P4601-20	**C0PI2**	**SOIL**			**10/22/24**			**10/29/24**
			Herbicide	8151A		10/31/24	11/07/24	
P4601-21	**C0PI6**	**SOIL**			**10/22/24**			**10/29/24**
			Herbicide	8151A		10/31/24	11/07/24	
P4601-22	**C0PI8**	**SOIL**			**10/22/24**			**10/29/24**
			Herbicide	8151A		10/31/24	11/07/24	
P4601-23	**C0PI9**	**SOIL**			**10/22/24**			**10/29/24**
			Herbicide	8151A		10/31/24	11/07/24	
P4601-24	**CC0P1**	**SOIL**			**10/22/24**			**10/29/24**
			Herbicide	8151A		10/31/24	11/07/24	
P4601-25	**CC0P3**	**SOIL**			**10/22/24**			**10/29/24**
			Herbicide	8151A		10/31/24	11/07/24	
P4601-26	**CC0P5**	**SOIL**			**10/22/24**			**10/29/24**
			Herbicide	8151A		10/31/24	11/07/24	
P4601-27	**CC0P7**	**SOIL**			**10/22/24**			**10/29/24**
			Herbicide	8151A		10/31/24	11/07/24	
P4601-28	**CC0P9**	**SOIL**			**10/22/24**			**10/29/24**
			Herbicide	8151A		10/31/24	11/07/24	
P4601-29	**CC0Q1**	**SOIL**			**10/22/24**			**10/29/24**
			Herbicide	8151A		10/31/24	11/11/24	
P4601-30	**CC0Q6**	**SOIL**			**10/22/24**			**10/29/24**

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LAB CHRONICLE

			Herbicide	8151A		10/31/24	11/11/24	
P4601-31	**CC0Q8**	**SOIL**			**10/23/24**			**10/29/24**
			Herbicide	8151A		10/31/24	11/11/24	
P4601-32	**CC0R3**	**SOIL**			**10/23/24**			**10/29/24**
			Herbicide	8151A		10/31/24	11/11/24	
P4601-33	**CC0R4**	**SOIL**			**10/23/24**			**10/29/24**
			Herbicide	8151A		10/31/24	11/11/24	
P4601-34	**CC0R5**	**SOIL**			**10/23/24**			**10/29/24**
			Herbicide	8151A		10/31/24	11/11/24	
P4601-35	**CC0R6**	**SOIL**			**10/23/24**			**10/29/24**
			Herbicide	8151A		10/31/24	11/11/24	
P4601-36	**CC0R7**	**SOIL**			**10/23/24**			**10/29/24**
			Herbicide	8151A		10/31/24	11/11/24	

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Hit Summary Sheet
SW-846

SDG No.: P4601 **Order ID:** P4601

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

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Report of Analysis

Client:	Tetra Tech, EMI		Date Collected:	10/22/24	
Project:	R36704		Date Received:	10/29/24	
Client Sample ID:	C0PI0		SDG No.:	P4601	
Lab Sample ID:	P4601-19		Matrix:	SOIL	
Analytical Method:	SW8151A		% Solid:	70.7	Decanted:
Sample Wt/Vol:	30.06	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Herbicide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	8151A				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028298.D	1	10/31/24 10:00	11/07/24 05:28	PB164559

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	94.6	U	12.2	94.6	ug/Kg
120-36-5	DICHLORPROP	94.6	U	13.5	94.6	ug/Kg
94-75-7	2,4-D	94.6	U	17.1	94.6	ug/Kg
93-72-1	2,4,5-TP (Silvex)	94.6	U	13.3	94.6	ug/Kg
93-76-5	2,4,5-T	94.6	U	14.3	94.6	ug/Kg
94-82-6	2,4-DB	94.6	U	25.8	94.6	ug/Kg
88-85-7	DINOSEB	94.6	U	17.5	94.6	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	475		10 - 141	95%	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:	10/22/24	
Project:	R36704		Date Received:	10/29/24	
Client Sample ID:	C0PI2		SDG No.:	P4601	
Lab Sample ID:	P4601-20		Matrix:	SOIL	
Analytical Method:	SW8151A		% Solid:	94.7	Decanted:
Sample Wt/Vol:	30.02	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Herbicide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	8151A				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028299.D	1	10/31/24 10:00	11/07/24 05:52	PB164559

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	70.7	U	9.10	70.7	ug/Kg
120-36-5	DICHLORPROP	70.7	U	10.1	70.7	ug/Kg
94-75-7	2,4-D	70.7	U	12.8	70.7	ug/Kg
93-72-1	2,4,5-TP (Silvex)	70.7	U	9.90	70.7	ug/Kg
93-76-5	2,4,5-T	70.7	U	10.7	70.7	ug/Kg
94-82-6	2,4-DB	70.7	U	19.3	70.7	ug/Kg
88-85-7	DINOSEB	70.7	U	13.1	70.7	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	213		10 - 141	43%	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:	10/22/24	
Project:	R36704		Date Received:	10/29/24	
Client Sample ID:	C0PI6		SDG No.:	P4601	
Lab Sample ID:	P4601-21		Matrix:	SOIL	
Analytical Method:	SW8151A		% Solid:	85.5	Decanted:
Sample Wt/Vol:	30.07	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Herbicide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	8151A				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028300.D	1	10/31/24 10:00	11/07/24 06:16	PB164559

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	78.2	U	10.1	78.2	ug/Kg
120-36-5	DICHLORPROP	78.2	U	11.1	78.2	ug/Kg
94-75-7	2,4-D	78.2	U	14.1	78.2	ug/Kg
93-72-1	2,4,5-TP (Silvex)	78.2	U	11.0	78.2	ug/Kg
93-76-5	2,4,5-T	78.2	U	11.8	78.2	ug/Kg
94-82-6	2,4-DB	78.2	U	21.4	78.2	ug/Kg
88-85-7	DINOSEB	78.2	U	14.5	78.2	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	419		10 - 141	84%	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:	10/22/24	
Project:	R36704		Date Received:	10/29/24	
Client Sample ID:	C0PI8		SDG No.:	P4601	
Lab Sample ID:	P4601-22		Matrix:	SOIL	
Analytical Method:	SW8151A		% Solid:	81	Decanted:
Sample Wt/Vol:	30.09	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Herbicide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	8151A				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028301.D	1	10/31/24 10:00	11/07/24 06:40	PB164559

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	82.5	U	10.7	82.5	ug/Kg
120-36-5	DICHLORPROP	82.5	U	11.7	82.5	ug/Kg
94-75-7	2,4-D	82.5	U	14.9	82.5	ug/Kg
93-72-1	2,4,5-TP (Silvex)	82.5	U	11.6	82.5	ug/Kg
93-76-5	2,4,5-T	82.5	U	12.4	82.5	ug/Kg
94-82-6	2,4-DB	82.5	U	22.5	82.5	ug/Kg
88-85-7	DINOSEB	82.5	U	15.3	82.5	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	251		10 - 141	50%	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:	10/22/24	
Project:	R36704		Date Received:	10/29/24	
Client Sample ID:	C0PI9		SDG No.:	P4601	
Lab Sample ID:	P4601-23		Matrix:	SOIL	
Analytical Method:	SW8151A		% Solid:	86.9	Decanted:
Sample Wt/Vol:	30.01	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Herbicide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	8151A				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028302.D	1	10/31/24 10:00	11/07/24 07:04	PB164559

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	77.1	U	10.0	77.1	ug/Kg
120-36-5	DICHLORPROP	77.1	U	11.0	77.1	ug/Kg
94-75-7	2,4-D	77.1	U	13.9	77.1	ug/Kg
93-72-1	2,4,5-TP (Silvex)	77.1	U	10.8	77.1	ug/Kg
93-76-5	2,4,5-T	77.1	U	11.6	77.1	ug/Kg
94-82-6	2,4-DB	77.1	U	21.1	77.1	ug/Kg
88-85-7	DINOSEB	77.1	U	14.3	77.1	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	467		10 - 141	93%	SPK: 500

Comments:

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

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

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Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech, EMI		Date Collected:	10/22/24	
Project:	R36704		Date Received:	10/29/24	
Client Sample ID:	CC0P1		SDG No.:	P4601	
Lab Sample ID:	P4601-24		Matrix:	SOIL	
Analytical Method:	SW8151A		% Solid:	95.3	Decanted:
Sample Wt/Vol:	30.1	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Herbicide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	8151A				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028303.D	1	10/31/24 10:00	11/07/24 07:28	PB164559

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	70.1	U	9.10	70.1	ug/Kg
120-36-5	DICHLORPROP	70.1	U	10.0	70.1	ug/Kg
94-75-7	2,4-D	70.1	U	12.7	70.1	ug/Kg
93-72-1	2,4,5-TP (Silvex)	70.1	U	9.80	70.1	ug/Kg
93-76-5	2,4,5-T	70.1	U	10.6	70.1	ug/Kg
94-82-6	2,4-DB	70.1	U	19.1	70.1	ug/Kg
88-85-7	DINOSEB	70.1	U	13.0	70.1	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	461		10 - 141	92%	SPK: 500

Comments:

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

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

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

Report of Analysis

Client:	Tetra Tech, EMI		Date Collected:	10/22/24	
Project:	R36704		Date Received:	10/29/24	
Client Sample ID:	CC0P3		SDG No.:	P4601	
Lab Sample ID:	P4601-25		Matrix:	SOIL	
Analytical Method:	SW8151A		% Solid:	87.7	Decanted:
Sample Wt/Vol:	30.03	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Herbicide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	8151A				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028304.D	1	10/31/24 10:00	11/07/24 07:52	PB164559

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	76.3	U	9.90	76.3	ug/Kg
120-36-5	DICHLORPROP	76.3	U	10.9	76.3	ug/Kg
94-75-7	2,4-D	76.3	U	13.8	76.3	ug/Kg
93-72-1	2,4,5-TP (Silvex)	76.3	U	10.7	76.3	ug/Kg
93-76-5	2,4,5-T	76.3	U	11.5	76.3	ug/Kg
94-82-6	2,4-DB	76.3	U	20.8	76.3	ug/Kg
88-85-7	DINOSEB	76.3	U	14.1	76.3	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	337		10 - 141	67%	SPK: 500

Comments:

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

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

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Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech, EMI		Date Collected:	10/22/24	
Project:	R36704		Date Received:	10/29/24	
Client Sample ID:	CC0P5		SDG No.:	P4601	
Lab Sample ID:	P4601-26		Matrix:	SOIL	
Analytical Method:	SW8151A		% Solid:	88.9	Decanted:
Sample Wt/Vol:	30.06	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Herbicide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	8151A				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028305.D	1	10/31/24 10:00	11/07/24 08:16	PB164559

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	75.2	U	9.70	75.2	ug/Kg
120-36-5	DICHLORPROP	75.2	U	10.7	75.2	ug/Kg
94-75-7	2,4-D	75.2	U	13.6	75.2	ug/Kg
93-72-1	2,4,5-TP (Silvex)	75.2	U	10.5	75.2	ug/Kg
93-76-5	2,4,5-T	75.2	U	11.3	75.2	ug/Kg
94-82-6	2,4-DB	75.2	U	20.5	75.2	ug/Kg
88-85-7	DINOSEB	75.2	U	13.9	75.2	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	379		10 - 141	76%	SPK: 500

Comments:

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

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

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Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech, EMI		Date Collected:	10/22/24	
Project:	R36704		Date Received:	10/29/24	
Client Sample ID:	CC0P7		SDG No.:	P4601	
Lab Sample ID:	P4601-27		Matrix:	SOIL	
Analytical Method:	SW8151A		% Solid:	88	Decanted:
Sample Wt/Vol:	30.09	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Herbicide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	8151A				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028306.D	1	10/31/24 10:00	11/07/24 08:40	PB164559

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	75.9	U	9.80	75.9	ug/Kg
120-36-5	DICHLORPROP	75.9	U	10.8	75.9	ug/Kg
94-75-7	2,4-D	75.9	U	13.7	75.9	ug/Kg
93-72-1	2,4,5-TP (Silvex)	75.9	U	10.6	75.9	ug/Kg
93-76-5	2,4,5-T	75.9	U	11.4	75.9	ug/Kg
94-82-6	2,4-DB	75.9	U	20.7	75.9	ug/Kg
88-85-7	DINOSEB	75.9	U	14.0	75.9	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	214		10 - 141	43%	SPK: 500

Comments:

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

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

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Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech, EMI		Date Collected:	10/22/24	
Project:	R36704		Date Received:	10/29/24	
Client Sample ID:	CC0P9		SDG No.:	P4601	
Lab Sample ID:	P4601-28		Matrix:	SOIL	
Analytical Method:	SW8151A		% Solid:	88.3	Decanted:
Sample Wt/Vol:	30.01	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Herbicide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	8151A				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028307.D	1	10/31/24 10:00	11/07/24 09:04	PB164559

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	75.9	U	9.80	75.9	ug/Kg
120-36-5	DICHLORPROP	75.9	U	10.8	75.9	ug/Kg
94-75-7	2,4-D	75.9	U	13.7	75.9	ug/Kg
93-72-1	2,4,5-TP (Silvex)	75.9	U	10.6	75.9	ug/Kg
93-76-5	2,4,5-T	75.9	U	11.4	75.9	ug/Kg
94-82-6	2,4-DB	75.9	U	20.7	75.9	ug/Kg
88-85-7	DINOSEB	75.9	U	14.0	75.9	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	231		10 - 141	46%	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:	10/22/24	
Project:	R36704		Date Received:	10/29/24	
Client Sample ID:	CC0Q1		SDG No.:	P4601	
Lab Sample ID:	P4601-29		Matrix:	SOIL	
Analytical Method:	SW8151A		% Solid:	88	Decanted:
Sample Wt/Vol:	30.07	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Herbicide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	8151A				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028395.D	1	10/31/24 10:00	11/11/24 12:05	PB164559

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	76.0	U	9.80	76.0	ug/Kg
120-36-5	DICHLORPROP	76.0	U	10.8	76.0	ug/Kg
94-75-7	2,4-D	76.0	U	13.7	76.0	ug/Kg
93-72-1	2,4,5-TP (Silvex)	76.0	U	10.6	76.0	ug/Kg
93-76-5	2,4,5-T	76.0	U	11.5	76.0	ug/Kg
94-82-6	2,4-DB	76.0	U	20.7	76.0	ug/Kg
88-85-7	DINOSEB	76.0	U	14.1	76.0	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	261		10 - 141	52%	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:	10/22/24	
Project:	R36704		Date Received:	10/29/24	
Client Sample ID:	CC0Q6		SDG No.:	P4601	
Lab Sample ID:	P4601-30		Matrix:	SOIL	
Analytical Method:	SW8151A		% Solid:	92.8	Decanted:
Sample Wt/Vol:	30.03	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Herbicide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	8151A				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028396.D	1	10/31/24 10:00	11/11/24 12:29	PB164559

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	72.1	U	9.30	72.1	ug/Kg
120-36-5	DICHLORPROP	72.1	U	10.3	72.1	ug/Kg
94-75-7	2,4-D	72.1	U	13.0	72.1	ug/Kg
93-72-1	2,4,5-TP (Silvex)	72.1	U	10.1	72.1	ug/Kg
93-76-5	2,4,5-T	72.1	U	10.9	72.1	ug/Kg
94-82-6	2,4-DB	72.1	U	19.7	72.1	ug/Kg
88-85-7	DINOSEB	72.1	U	13.3	72.1	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	251		10 - 141	50%	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:	10/29/24	
Client Sample ID:	CC0Q8		SDG No.:	P4601	
Lab Sample ID:	P4601-31		Matrix:	SOIL	
Analytical Method:	SW8151A		% Solid:	84.6	Decanted:
Sample Wt/Vol:	30.08	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Herbicide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	8151A				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028397.D	1	10/31/24 10:00	11/11/24 12:56	PB164559

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	79.0	U	10.2	79.0	ug/Kg
120-36-5	DICHLORPROP	79.0	U	11.2	79.0	ug/Kg
94-75-7	2,4-D	79.0	U	14.3	79.0	ug/Kg
93-72-1	2,4,5-TP (Silvex)	79.0	U	11.1	79.0	ug/Kg
93-76-5	2,4,5-T	79.0	U	11.9	79.0	ug/Kg
94-82-6	2,4-DB	79.0	U	21.6	79.0	ug/Kg
88-85-7	DINOSEB	79.0	U	14.6	79.0	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	227		10 - 141	45%	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:	10/29/24	
Client Sample ID:	CC0R3		SDG No.:	P4601	
Lab Sample ID:	P4601-32		Matrix:	SOIL	
Analytical Method:	SW8151A		% Solid:	77.9	Decanted:
Sample Wt/Vol:	30.05	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Herbicide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	8151A				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028398.D	1	10/31/24 10:00	11/11/24 13:20	PB164559

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	85.9	U	11.1	85.9	ug/Kg
120-36-5	DICHLORPROP	85.9	U	12.2	85.9	ug/Kg
94-75-7	2,4-D	85.9	U	15.5	85.9	ug/Kg
93-72-1	2,4,5-TP (Silvex)	85.9	U	12.0	85.9	ug/Kg
93-76-5	2,4,5-T	85.9	U	12.9	85.9	ug/Kg
94-82-6	2,4-DB	85.9	U	23.5	85.9	ug/Kg
88-85-7	DINOSEB	85.9	U	15.9	85.9	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	326		10 - 141	65%	SPK: 500

Comments:

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

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

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Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech, EMI		Date Collected:	10/23/24	
Project:	R36704		Date Received:	10/29/24	
Client Sample ID:	CC0R4		SDG No.:	P4601	
Lab Sample ID:	P4601-33		Matrix:	SOIL	
Analytical Method:	SW8151A		% Solid:	71.6	Decanted:
Sample Wt/Vol:	30.02	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Herbicide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	8151A				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028399.D	1	10/31/24 10:00	11/11/24 13:44	PB164559

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	93.5	U	12.1	93.5	ug/Kg
120-36-5	DICHLORPROP	93.5	U	13.3	93.5	ug/Kg
94-75-7	2,4-D	93.5	U	16.9	93.5	ug/Kg
93-72-1	2,4,5-TP (Silvex)	93.5	U	13.1	93.5	ug/Kg
93-76-5	2,4,5-T	93.5	U	14.1	93.5	ug/Kg
94-82-6	2,4-DB	93.5	U	25.5	93.5	ug/Kg
88-85-7	DINOSEB	93.5	U	17.3	93.5	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	386		10 - 141	77%	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:	10/29/24	
Client Sample ID:	CC0R5		SDG No.:	P4601	
Lab Sample ID:	P4601-34		Matrix:	SOIL	
Analytical Method:	SW8151A		% Solid:	95.4	Decanted:
Sample Wt/Vol:	30.09	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Herbicide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	8151A				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028400.D	1	10/31/24 10:00	11/11/24 14:08	PB164559

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	70.0	U	9.10	70.0	ug/Kg
120-36-5	DICHLORPROP	70.0	U	10.0	70.0	ug/Kg
94-75-7	2,4-D	70.0	U	12.6	70.0	ug/Kg
93-72-1	2,4,5-TP (Silvex)	70.0	U	9.80	70.0	ug/Kg
93-76-5	2,4,5-T	70.0	U	10.6	70.0	ug/Kg
94-82-6	2,4-DB	70.0	U	19.1	70.0	ug/Kg
88-85-7	DINOSEB	70.0	U	13.0	70.0	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	423		10 - 141	85%	SPK: 500

Comments:

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

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

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Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech, EMI		Date Collected:	10/23/24	
Project:	R36704		Date Received:	10/29/24	
Client Sample ID:	CC0R6		SDG No.:	P4601	
Lab Sample ID:	P4601-35		Matrix:	SOIL	
Analytical Method:	SW8151A		% Solid:	94.1	Decanted:
Sample Wt/Vol:	30.09	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Herbicide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	8151A				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028401.D	1	10/31/24 10:00	11/11/24 14:32	PB164559

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	71.0	U	9.20	71.0	ug/Kg
120-36-5	DICHLORPROP	71.0	U	10.1	71.0	ug/Kg
94-75-7	2,4-D	71.0	U	12.8	71.0	ug/Kg
93-72-1	2,4,5-TP (Silvex)	71.0	U	9.90	71.0	ug/Kg
93-76-5	2,4,5-T	71.0	U	10.7	71.0	ug/Kg
94-82-6	2,4-DB	71.0	U	19.4	71.0	ug/Kg
88-85-7	DINOSEB	71.0	U	13.1	71.0	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	299		10 - 141	60%	SPK: 500

Comments:

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

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

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Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech, EMI		Date Collected:	10/23/24	
Project:	R36704		Date Received:	10/29/24	
Client Sample ID:	CC0R7		SDG No.:	P4601	
Lab Sample ID:	P4601-36		Matrix:	SOIL	
Analytical Method:	SW8151A		% Solid:	81.2	Decanted:
Sample Wt/Vol:	30.04	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Herbicide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	8151A				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028402.D	1	10/31/24 10:00	11/11/24 14:57	PB164559

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	82.4	U	10.7	82.4	ug/Kg
120-36-5	DICHLORPROP	82.4	U	11.7	82.4	ug/Kg
94-75-7	2,4-D	82.4	U	14.9	82.4	ug/Kg
93-72-1	2,4,5-TP (Silvex)	82.4	U	11.5	82.4	ug/Kg
93-76-5	2,4,5-T	82.4	U	12.4	82.4	ug/Kg
94-82-6	2,4-DB	82.4	U	22.5	82.4	ug/Kg
88-85-7	DINOSEB	82.4	U	15.3	82.4	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	442		10 - 141	88%	SPK: 500

Comments:

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

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

QC SUMMARY

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Surrogate Summary

SDG No.: P4601

Client: Tetra Tech, EMI

Analytical Method: 8151A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
I.BLK-PS028252.D	PIBLK-PS028252.D	2,4-DCAA	1	500	489	98		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
PB164559BL	PB164559BL	2,4-DCAA	1	500	560	112		10	141
		2,4-DCAA	2	500	516	103		10	141
PB164559BS	PB164559BS	2,4-DCAA	1	500	552	110		10	141
		2,4-DCAA	2	500	517	103		10	141
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
P4601-19	C0PI0	2,4-DCAA	1	500	475	95		10	141
		2,4-DCAA	2	500	436	87		10	141
P4601-20	C0PI2	2,4-DCAA	1	500	213	43		10	141
		2,4-DCAA	2	500	179	36		10	141
P4601-21	C0PI6	2,4-DCAA	1	500	419	84		10	141
		2,4-DCAA	2	500	370	74		10	141
P4601-22	C0PI8	2,4-DCAA	1	500	251	50		10	141
		2,4-DCAA	2	500	208	42		10	141
P4601-23	C0PI9	2,4-DCAA	1	500	467	93		10	141
		2,4-DCAA	2	500	413	83		10	141
P4601-24	CC0P1	2,4-DCAA	1	500	461	92		10	141
		2,4-DCAA	2	500	377	75		10	141
P4601-25	CC0P3	2,4-DCAA	1	500	337	67		10	141
		2,4-DCAA	2	500	281	56		10	141
P4601-26	CC0P5	2,4-DCAA	1	500	379	76		10	141
		2,4-DCAA	2	500	297	59		10	141
P4601-27	CC0P7	2,4-DCAA	1	500	214	43		10	141
		2,4-DCAA	2	500	162	32		10	141
P4601-28	CC0P9	2,4-DCAA	1	500	231	46		10	141
		2,4-DCAA	2	500	196	39		10	141
I.BLK-PS028308.D	PIBLK-PS028308.D	2,4-DCAA	1	500	526	105		39	175
		2,4-DCAA	2	500	489	98		39	175
I.BLK-PS028355.D	PIBLK-PS028355.D	2,4-DCAA	1	500	501	100		39	175
		2,4-DCAA	2	500	503	101		39	175
I.BLK-PS028393.D	PIBLK-PS028393.D	2,4-DCAA	1	500	511	102		39	175
		2,4-DCAA	2	500	472	94		39	175
P4601-29	CC0Q1	2,4-DCAA	1	500	261	52		10	141
		2,4-DCAA	2	500	206	41		10	141
P4601-30	CC0Q6	2,4-DCAA	1	500	251	50		10	141
		2,4-DCAA	2	500	211	42		10	141
P4601-31	CC0Q8	2,4-DCAA	1	500	227	45		10	141

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Surrogate Summary

SDG No.: P4601

Client: Tetra Tech, EMI

Analytical Method: 8151A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
P4601-31	CC0Q8	2,4-DCAA	2	500	163	33		10	141
P4601-32	CC0R3	2,4-DCAA	1	500	326	65		10	141
		2,4-DCAA	2	500	277	55		10	141
P4601-33	CC0R4	2,4-DCAA	1	500	386	77		10	141
		2,4-DCAA	2	500	328	66		10	141
P4601-34	CC0R5	2,4-DCAA	1	500	423	85		10	141
		2,4-DCAA	2	500	331	66		10	141
P4601-35	CC0R6	2,4-DCAA	1	500	299	60		10	141
		2,4-DCAA	2	500	219	44		10	141
P4601-36	CC0R7	2,4-DCAA	1	500	442	88		10	141
		2,4-DCAA	2	500	378	76		10	141
P4601-37MS	CC0R7MS	2,4-DCAA	1	500	619	124		10	141
		2,4-DCAA	2	500	517	103		10	141
P4601-38MSD	CC0R7MSD	2,4-DCAA	1	500	617	123		10	141
		2,4-DCAA	2	500	516	103		10	141
I.BLK-PS028405.D	PIBLK-PS028405.D	2,4-DCAA	1	500	511	102		39	175
		2,4-DCAA	2	500	472	94		39	175

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4601

Client: Tetra Tech, EMI

Analytical Method: 8151A **DataFile :** PS028403.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:	**CC0R7MS**											
P4601-37MS	DICAMBA	204.7	0	165	ug/Kg	81				10	112	
	DICHLORPROP	204.7	0	175	ug/Kg	85				10	113	
	2,4-D	204.7	0	301	ug/Kg	147	*			10	144	
	2,4,5-TP(Silvex)	204.7	0	300	ug/Kg	147	*			10	114	
	2,4,5-T	204.7	0	182	ug/Kg	89				10	115	
	2,4-DB	204.7	0	180	ug/Kg	88				10	140	
	Dinoseb	204.7	0	0	ug/Kg	0	*			10	118	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4601

Client: Tetra Tech, EMI

Analytical Method: 8151A **DataFile :** PS028404.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:	**CC0R7MSD**											
P4601-38MSD	DICAMBA	204.6	0	164	ug/Kg	80		1		10	112	20
	DICHLORPROP	204.6	0	173	ug/Kg	85		0		10	113	20
	2,4-D	204.6	0	313	ug/Kg	153	*	4		10	144	20
	2,4,5-TP(Silvex)	204.6	0	298	ug/Kg	146	*	1		10	114	20
	2,4,5-T	204.6	0	180	ug/Kg	88		1		10	115	20
	2,4-DB	204.6	0	177	ug/Kg	87		1		10	140	20
	Dinoseb	204.6	0	0	ug/Kg	0	*	0		10	118	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4601

Client: Tetra Tech, EMI

Analytical Method: 8151A **Datafile :** PS028295.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB164559BS	DICAMBA	166.5	170	ug/Kg	102				72	129	
	DICHLORPROP	166.5	173	ug/Kg	104				77	135	
	2,4-D	166.5	174	ug/Kg	105				65	144	
	2,4,5-TP(Silvex)	166.5	178	ug/Kg	107				74	146	
	2,4,5-T	166.5	177	ug/Kg	106				77	134	
	2,4-DB	166.5	173	ug/Kg	104				72	122	
	Dinoseb	166.5	172	ug/Kg	103				74	132	

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4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB164559BL

Lab Name: CHEMTECH Contract: TETR16

Lab Code: CHEM Case No.: P4601 SAS No.: P4601 SDG NO.: P4601

Lab Sample ID: PB164559BL Lab File ID: PS028294.D

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

Sulfur Cleanup: (Y/N) N Date Extracted: 10/31/2024

Date Analyzed (1): 11/07/2024 Date Analyzed (2): 11/07/2024

Time Analyzed (1): 03:28 Time Analyzed (2): 03:28

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
PB164559BS	PB164559BS	PS028295.D	11/07/2024	11/07/2024
C0PI0	P4601-19	PS028298.D	11/07/2024	11/07/2024
C0PI2	P4601-20	PS028299.D	11/07/2024	11/07/2024
C0PI6	P4601-21	PS028300.D	11/07/2024	11/07/2024
C0PI8	P4601-22	PS028301.D	11/07/2024	11/07/2024
C0PI9	P4601-23	PS028302.D	11/07/2024	11/07/2024
CC0P1	P4601-24	PS028303.D	11/07/2024	11/07/2024
CC0P3	P4601-25	PS028304.D	11/07/2024	11/07/2024
CC0P5	P4601-26	PS028305.D	11/07/2024	11/07/2024
CC0P7	P4601-27	PS028306.D	11/07/2024	11/07/2024
CC0P9	P4601-28	PS028307.D	11/07/2024	11/07/2024
CC0Q1	P4601-29	PS028395.D	11/11/2024	11/11/2024
CC0Q6	P4601-30	PS028396.D	11/11/2024	11/11/2024
CC0Q8	P4601-31	PS028397.D	11/11/2024	11/11/2024
CC0R3	P4601-32	PS028398.D	11/11/2024	11/11/2024
CC0R4	P4601-33	PS028399.D	11/11/2024	11/11/2024
CC0R5	P4601-34	PS028400.D	11/11/2024	11/11/2024
CC0R6	P4601-35	PS028401.D	11/11/2024	11/11/2024
CC0R7	P4601-36	PS028402.D	11/11/2024	11/11/2024
CC0R7MS	P4601-37MS	PS028403.D	11/11/2024	11/11/2024
CC0R7MSD	P4601-38MSD	PS028404.D	11/11/2024	11/11/2024

COMMENTS:

QC SAMPLE DATA

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Report of Analysis

Client:	Tetra Tech, EMI		Date Collected:		
Project:	R36704		Date Received:		
Client Sample ID:	PB164559BL		SDG No.:	P4601	
Lab Sample ID:	PB164559BL		Matrix:	SOIL	
Analytical Method:	SW8151A		% Solid:	100	Decanted:
Sample Wt/Vol:	30.01	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Herbicide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	8151A				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028294.D	1	10/31/24 10:00	11/07/24 03:28	PB164559

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	67.0	U	8.70	67.0	ug/Kg
120-36-5	DICHLORPROP	67.0	U	9.50	67.0	ug/Kg
94-75-7	2,4-D	67.0	U	12.1	67.0	ug/Kg
93-72-1	2,4,5-TP (Silvex)	67.0	U	9.40	67.0	ug/Kg
93-76-5	2,4,5-T	67.0	U	10.1	67.0	ug/Kg
94-82-6	2,4-DB	67.0	U	18.3	67.0	ug/Kg
88-85-7	DINOSEB	67.0	U	12.4	67.0	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	560		10 - 141	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:	11/06/24
Project:	R36704	Date Received:	11/06/24
Client Sample ID:	PIBLK-PS028252.D	SDG No.:	P4601
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.:	P4601
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.:	P4601
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:	11/07/24
Project:	R36704	Date Received:	11/07/24
Client Sample ID:	PIBLK-PS028308.D	SDG No.:	P4601
Lab Sample ID:	I.BLK-PS028308.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
PS028308.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	526		39 - 175	105%	SPK: 500

Comments:

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

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

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Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	11/08/24
Project:	R36704	Date Received:	11/08/24
Client Sample ID:	PIBLK-PS028355.D	SDG No.:	P4601
Lab Sample ID:	I.BLK-PS028355.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
PS028355.D	1		11/08/24	PS110924

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	503		39 - 175	101%	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:	11/11/24
Project:	R36704	Date Received:	11/11/24
Client Sample ID:	PIBLK-PS028393.D	SDG No.:	P4601
Lab Sample ID:	I.BLK-PS028393.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
PS028393.D	1		11/11/24	ps111124

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	511		39 - 175	102%	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:	11/11/24
Project:	R36704	Date Received:	11/11/24
Client Sample ID:	PIBLK-PS028405.D	SDG No.:	P4601
Lab Sample ID:	I.BLK-PS028405.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
PS028405.D	1		11/11/24	ps111124

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	511		39 - 175	102%	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:	PB164559BS		SDG No.:	P4601	
Lab Sample ID:	PB164559BS		Matrix:	SOIL	
Analytical Method:	SW8151A		% Solid:	100	Decanted:
Sample Wt/Vol:	30.03	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Herbicide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	8151A				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028295.D	1	10/31/24 10:00	11/07/24 03:52	PB164559

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	170		8.70	66.9	ug/Kg
120-36-5	DICHLORPROP	173		9.50	66.9	ug/Kg
94-75-7	2,4-D	174		12.1	66.9	ug/Kg
93-72-1	2,4,5-TP (Silvex)	178		9.40	66.9	ug/Kg
93-76-5	2,4,5-T	177		10.1	66.9	ug/Kg
94-82-6	2,4-DB	173		18.3	66.9	ug/Kg
88-85-7	DINOSEB	172		12.4	66.9	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	552		10 - 141	110%	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:	10/29/24	
Client Sample ID:	CC0R7MS		SDG No.:	P4601	
Lab Sample ID:	P4601-37MS		Matrix:	SOIL	
Analytical Method:	SW8151A		% Solid:	81.2	Decanted:
Sample Wt/Vol:	30.08	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Herbicide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	8151A				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028403.D	1	10/31/24 10:00	11/11/24 15:21	PB164559

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	165		10.6	82.3	ug/Kg
120-36-5	DICHLORPROP	175		11.7	82.3	ug/Kg
94-75-7	2,4-D	301		14.9	82.3	ug/Kg
93-72-1	2,4,5-TP (Silvex)	300	P	11.5	82.3	ug/Kg
93-76-5	2,4,5-T	182		12.4	82.3	ug/Kg
94-82-6	2,4-DB	180		22.5	82.3	ug/Kg
88-85-7	DINOSEB	82.3	U	15.2	82.3	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	619		10 - 141	124%	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:	10/29/24	
Client Sample ID:	CC0R7MSD		SDG No.:	P4601	
Lab Sample ID:	P4601-38MSD		Matrix:	SOIL	
Analytical Method:	SW8151A		% Solid:	81.2	Decanted:
Sample Wt/Vol:	30.1	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Herbicide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	8151A				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028404.D	1	10/31/24 10:00	11/11/24 15:45	PB164559

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	164		10.6	82.2	ug/Kg
120-36-5	DICHLORPROP	173		11.7	82.2	ug/Kg
94-75-7	2,4-D	313	P	14.9	82.2	ug/Kg
93-72-1	2,4,5-TP (Silvex)	298	P	11.5	82.2	ug/Kg
93-76-5	2,4,5-T	180		12.4	82.2	ug/Kg
94-82-6	2,4-DB	177		22.5	82.2	ug/Kg
88-85-7	DINOSEB	82.2	U	15.2	82.2	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	617		10 - 141	123%	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.:** P4601 **SAS No.:** P4601 **SDG NO.:** P4601

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.:** P4601 **SAS No.:** P4601 **SDG NO.:** P4601

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.:** P4601 **SAS No.:** P4601 **SDG NO.:** P4601

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.:** P4601 **SAS No.:** P4601 **SDG NO.:** P4601

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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RETENTION TIMES OF INITIAL CALIBRATION

Contract: TETR16

Lab Code: CHEM **Case No.:** P4601 **SAS No.:** P4601 **SDG NO.:** P4601

Instrument ID: ECD_S **Calibration Date(s):** 11/08/2024 11/08/2024

Calibration Times: 15:13 16:58

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

LAB FILE ID: RT 200 = PS028356.D RT 500 = PS028357.D

RT 750 = PS028358.D RT 1000 = PS028359.D RT 1500 = PS028360.D

COMPOUND	RT 200	RT 500	RT 750	RT 1000	RT 1500	MEAN RT	RT WINDOW FROM	RT WINDOW TO
2,4,5-T	9.55	9.56	9.55	9.55	9.55	9.55	9.45	9.65
2,4,5-TP(Silvex)	9.26	9.26	9.26	9.26	9.26	9.26	9.16	9.36
2,4-D	8.38	8.38	8.38	8.38	8.38	8.38	8.28	8.48
2,4-DB	10.13	10.13	10.13	10.13	10.13	10.13	10.03	10.23
2,4-DCAA	7.25	7.25	7.25	7.25	7.25	7.25	7.15	7.35
DICAMBA	7.44	7.44	7.44	7.44	7.44	7.44	7.34	7.54
DICHLORPROP	8.15	8.15	8.15	8.15	8.15	8.15	8.05	8.25
Dinoseb	11.35	11.35	11.35	11.35	11.35	11.35	11.25	11.45

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RETENTION TIMES OF INITIAL CALIBRATION

Contract: TETR16

Lab Code: CHEM **Case No.:** P4601 **SAS No.:** P4601 **SDG NO.:** P4601

Instrument ID: ECD_S **Calibration Date(s):** 11/08/2024 11/08/2024

Calibration Times: 15:13 16:58

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

LAB FILE ID: RT 200 = PS028356.D RT 500 = PS028357.D

RT 750 = PS028358.D RT 1000 = PS028359.D RT 1500 = PS028360.D

COMPOUND	RT 200	RT 500	RT 750	RT 1000	RT 1500	MEAN RT	RT WINDOW FROM	RT WINDOW TO
2,4,5-T	10.33	10.33	10.33	10.33	10.33	10.33	10.23	10.43
2,4,5-TP(Silvex)	9.91	9.91	9.91	9.91	9.91	9.91	9.81	10.01
2,4-D	9.01	9.00	9.01	9.01	9.01	9.00	8.90	9.10
2,4-DB	10.90	10.90	10.90	10.90	10.90	10.90	10.80	11.00
2,4-DCAA	7.76	7.75	7.76	7.76	7.76	7.75	7.65	7.85
DICAMBA	7.96	7.96	7.96	7.96	7.96	7.96	7.86	8.06
DICHLORPROP	8.67	8.67	8.67	8.67	8.67	8.67	8.57	8.77
Dinoseb	11.28	11.28	11.28	11.28	11.28	11.28	11.18	11.38

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: TETR16

Lab Code: CHEM **Case No.:** P4601 **SAS No.:** P4601 **SDG NO.:** P4601

Instrument ID: ECD_S **Calibration Date(s):** 11/08/2024 11/08/2024

Calibration Times: 15:13 16:58

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

LAB FILE ID: **CF 200 =** PS028356.D **CF 500 =** PS028357.D

CF 750 = PS028358.D **CF 1000 =** PS028359.D **CF 1500 =** PS028360.D

COMPOUND	CF 200	CF 500	CF 750	CF 1000	CF 1500	CF	% RSD
2,4,5-T	21529100000	19437000000	19525400000	18705500000	17708000000	19381000000	7
2,4,5-TP(Silvex)	21008200000	18982300000	19068100000	18267500000	17318700000	18929000000	7
2,4-D	3997770000	3571450000	3468690000	3334460000	3198650000	3514210000	9
2,4-DB	3352010000	3027230000	3093110000	3022410000	2959650000	3090880000	5
2,4-DCAA	3196830000	2740430000	2735520000	2619650000	2511350000	2760750000	9
DICAMBA	12975400000	11905100000	12166500000	11780900000	11375900000	12040700000	5
DICHLORPROP	3557350000	3056940000	3079000000	2957460000	2847450000	3099640000	9
Dinoseb	17552800000	16349100000	16308600000	15784700000	15071600000	16213400000	6

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: TETR16

Lab Code: CHEM **Case No.:** P4601 **SAS No.:** P4601 **SDG NO.:** P4601

Instrument ID: ECD_S **Calibration Date(s):** 11/08/2024 11/08/2024

Calibration Times: 15:13 16:58

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

LAB FILE ID: **CF 200 =** PS028356.D **CF 500 =** PS028357.D

CF 750 = PS028358.D **CF 1000 =** PS028359.D **CF 1500 =** PS028360.D

COMPOUND	CF 200	CF 500	CF 750	CF 1000	CF 1500	CF	% RSD
2,4,5-T	10782600000	10407300000	10530200000	10245600000	9914510000	10376000000	3
2,4,5-TP(Silvex)	10970300000	10612300000	10768700000	10478800000	10130800000	10592200000	3
2,4-D	2051780000	1901200000	1935300000	1900220000	1880580000	1933820000	4
2,4-DB	1351580000	1287180000	1335670000	1323760000	1328210000	1325280000	2
2,4-DCAA	1694540000	1575990000	1595150000	1561040000	1540400000	1593420000	4
DICAMBA	7032650000	7044480000	7350350000	7249840000	7170240000	7169510000	2
DICHLORPROP	1864120000	1759800000	1788540000	1754780000	1739090000	1781270000	3
Dinoseb	7376340000	7195700000	7257020000	7126590000	6931080000	7177340000	2

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CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM **Case No.:** P4601 **SAS No.:** P4601 **SDG NO.:** P4601

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.:** P4601 **SAS No.:** P4601 **SDG NO.:** P4601

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.:** P4601 **SAS No.:** P4601 **SDG NO.:** P4601

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

Client Sample No.: CCAL01 **Date Analyzed:** 11/06/2024

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.:** P4601 **SAS No.:** P4601 **SDG NO.:** P4601

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

Client Sample No.: CCAL01 **Date Analyzed:** 11/06/2024

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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CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM **Case No.:** P4601 **SAS No.:** P4601 **SDG NO.:** P4601

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.:** P4601 **SAS No.:** P4601 **SDG NO.:** P4601

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.:** P4601 **SAS No.:** P4601 **SDG NO.:** P4601

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

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

Lab Sample No.: HSTDCCC750 **Data File :** 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.:** P4601 **SAS No.:** P4601 **SDG NO.:** P4601

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

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

Lab Sample No.: HSTDCCC750 **Data File :** 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

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CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM **Case No.:** P4601 **SAS No.:** P4601 **SDG NO.:** P4601

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

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

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
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	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM **Case No.:** P4601 **SAS No.:** P4601 **SDG NO.:** P4601

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

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

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
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.:** P4601 **SAS No.:** P4601 **SDG NO.:** P4601

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

Client Sample No.: CCAL03 **Date Analyzed:** 11/07/2024

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

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.560	9.469	9.669	779.290	712.500	9.4
2,4,5-TP(Silvex)	9.269	9.177	9.377	775.150	712.500	8.8
2,4-D	8.387	8.294	8.494	754.140	705.000	7.0
2,4-DB	10.138	10.047	10.247	770.820	712.500	8.2
2,4-DCAA	7.256	7.162	7.362	795.060	750.000	6.0
DICAMBA	7.446	7.351	7.551	753.900	705.000	6.9
DICHLORPROP	8.156	8.063	8.263	754.970	705.000	7.1
Dinoseb	11.355	11.264	11.464	777.250	705.000	10.2

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CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM **Case No.:** P4601 **SAS No.:** P4601 **SDG NO.:** P4601

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

Client Sample No.: CCAL03 **Date Analyzed:** 11/07/2024

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

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	10.339	10.244	10.444	684.490	712.500	-3.9
2,4,5-TP(Silvex)	9.917	9.823	10.023	695.710	712.500	-2.4
2,4-D	9.010	8.915	9.115	678.350	705.000	-3.8
2,4-DB	10.906	10.812	11.012	661.020	712.500	-7.2
2,4-DCAA	7.761	7.665	7.865	740.370	750.000	-1.3
DICAMBA	7.962	7.867	8.067	714.890	705.000	1.4
DICHLORPROP	8.679	8.584	8.784	689.690	705.000	-2.2
Dinoseb	11.286	11.191	11.391	666.540	705.000	-5.5

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CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM **Case No.:** P4601 **SAS No.:** P4601 **SDG NO.:** P4601

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

Continuing Calib Time: 10:48 **Initial Calibration Time(s):** 15:13 16:58

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.44	7.44	7.34	7.54	0.01
2,4-DCAA	7.25	7.25	7.15	7.35	0.00
DICHLORPROP	8.15	8.15	8.05	8.25	0.00
2,4-D	8.38	8.38	8.28	8.48	0.00
2,4,5-TP(Silvex)	9.26	9.26	9.16	9.36	0.00
2,4,5-T	9.55	9.55	9.45	9.65	0.00
2,4-DB	10.13	10.13	10.03	10.23	0.00
Dinoseb	11.34	11.35	11.25	11.45	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM **Case No.:** P4601 **SAS No.:** P4601 **SDG NO.:** P4601

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

Continuing Calib Time: 10:48 **Initial Calibration Time(s):** 15:13 16:58

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.95	7.96	7.86	8.06	0.01
2,4-DCAA	7.75	7.76	7.66	7.86	0.01
DICHLORPROP	8.67	8.67	8.57	8.77	0.00
2,4-D	9.00	9.01	8.91	9.11	0.01
2,4,5-TP(Silvex)	9.91	9.91	9.81	10.01	0.00
2,4,5-T	10.33	10.33	10.23	10.43	0.00
2,4-DB	10.90	10.90	10.80	11.00	0.00
Dinoseb	11.28	11.28	11.18	11.38	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM **Case No.:** P4601 **SAS No.:** P4601 **SDG NO.:** P4601

GC Column: RTX-CLP **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 11/08/2024 11/08/2024

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

Lab Sample No.: HSTDCCC750 **Data File :** PS028394.D **Time Analyzed:** 10:48

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.549	9.452	9.652	730.660	712.500	2.5
2,4,5-TP(Silvex)	9.256	9.160	9.360	734.350	712.500	3.1
2,4-D	8.376	8.279	8.479	710.050	705.000	0.7
2,4-DB	10.125	10.029	10.229	710.990	712.500	-0.2
2,4-DCAA	7.247	7.150	7.350	725.710	750.000	-3.2
DICAMBA	7.435	7.338	7.538	729.350	705.000	3.5
DICHLORPROP	8.145	8.048	8.248	716.330	705.000	1.6
Dinoseb	11.340	11.245	11.445	722.510	705.000	2.5

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CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM **Case No.:** P4601 **SAS No.:** P4601 **SDG NO.:** P4601

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 11/08/2024 11/08/2024

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

Lab Sample No.: HSTDCCC750 **Data File :** PS028394.D **Time Analyzed:** 10:48

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	10.329	10.233	10.433	681.690	712.500	-4.3
2,4,5-TP(Silvex)	9.907	9.811	10.011	684.040	712.500	-4.0
2,4-D	9.001	8.905	9.105	655.650	705.000	-7.0
2,4-DB	10.896	10.800	11.000	666.430	712.500	-6.5
2,4-DCAA	7.752	7.655	7.855	708.230	750.000	-5.6
DICAMBA	7.953	7.856	8.056	682.010	705.000	-3.3
DICHLORPROP	8.670	8.573	8.773	670.220	705.000	-4.9
Dinoseb	11.276	11.180	11.380	674.250	705.000	-4.4

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CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM **Case No.:** P4601 **SAS No.:** P4601 **SDG NO.:** P4601

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

Continuing Calib Time: 16:33 **Initial Calibration Time(s):** 15:13 16:58

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.43	7.44	7.34	7.54	0.01
2,4-DCAA	7.25	7.25	7.15	7.35	0.00
DICHLORPROP	8.14	8.15	8.05	8.25	0.01
2,4-D	8.38	8.38	8.28	8.48	0.00
2,4,5-TP(Silvex)	9.26	9.26	9.16	9.36	0.00
2,4,5-T	9.55	9.55	9.45	9.65	0.00
2,4-DB	10.12	10.13	10.03	10.23	0.01
Dinoseb	11.34	11.35	11.25	11.45	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM **Case No.:** P4601 **SAS No.:** P4601 **SDG NO.:** P4601

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

Continuing Calib Time: 16:33 **Initial Calibration Time(s):** 15:13 16:58

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.95	7.96	7.86	8.06	0.01
2,4-DCAA	7.75	7.76	7.66	7.86	0.01
DICHLORPROP	8.67	8.67	8.57	8.77	0.00
2,4-D	9.00	9.01	8.91	9.11	0.01
2,4,5-TP(Silvex)	9.91	9.91	9.81	10.01	0.00
2,4,5-T	10.33	10.33	10.23	10.43	0.00
2,4-DB	10.90	10.90	10.80	11.00	0.00
Dinoseb	11.28	11.28	11.18	11.38	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM **Case No.:** P4601 **SAS No.:** P4601 **SDG NO.:** P4601

GC Column: RTX-CLP **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 11/08/2024 11/08/2024

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

Lab Sample No.: HSTDCCC750 **Data File :** PS028406.D **Time Analyzed:** 16:33

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.547	9.452	9.652	727.150	712.500	2.1
2,4,5-TP(Silvex)	9.255	9.160	9.360	727.880	712.500	2.2
2,4-D	8.375	8.279	8.479	706.140	705.000	0.2
2,4-DB	10.124	10.029	10.229	698.650	712.500	-1.9
2,4-DCAA	7.246	7.150	7.350	749.600	750.000	-0.1
DICAMBA	7.434	7.338	7.538	723.500	705.000	2.6
DICHLORPROP	8.144	8.048	8.248	710.450	705.000	0.8
Dinoseb	11.339	11.245	11.445	715.780	705.000	1.5

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CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM **Case No.:** P4601 **SAS No.:** P4601 **SDG NO.:** P4601

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 11/08/2024 11/08/2024

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

Lab Sample No.: HSTDCCC750 **Data File :** PS028406.D **Time Analyzed:** 16:33

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	10.328	10.233	10.433	676.610	712.500	-5.0
2,4,5-TP(Silvex)	9.908	9.811	10.011	676.600	712.500	-5.0
2,4-D	9.001	8.905	9.105	642.510	705.000	-8.9
2,4-DB	10.895	10.800	11.000	657.840	712.500	-7.7
2,4-DCAA	7.752	7.655	7.855	697.880	750.000	-6.9
DICAMBA	7.953	7.856	8.056	674.960	705.000	-4.3
DICHLORPROP	8.669	8.573	8.773	656.080	705.000	-6.9
Dinoseb	11.276	11.180	11.380	665.940	705.000	-5.5

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Analytical Sequence

Client: Tetra Tech, EMI **SDG No.:** P4601

Project: R36704 **Instrument ID:** ECD_S

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCAA RT #	RT #
I.BLK	I.BLK	11/06/2024	09:24	PS028252.D	7.26	0.00
HSTDICC200	HSTDICC200	11/06/2024	09:48	PS028253.D	7.26	0.00
HSTDICC500	HSTDICC500	11/06/2024	10:12	PS028254.D	7.26	0.00
HSTDICC750	HSTDICC750	11/06/2024	10:36	PS028255.D	7.26	0.00
HSTDICC1000	HSTDICC1000	11/06/2024	11:00	PS028256.D	7.26	0.00
HSTDICC1500	HSTDICC1500	11/06/2024	11:24	PS028257.D	7.26	0.00
I.BLK	I.BLK	11/06/2024	22:39	PS028283.D	7.26	0.00
HSTDCCC750	HSTDCCC750	11/06/2024	23:03	PS028284.D	7.26	0.00
PB164559BL	PB164559BL	11/07/2024	03:28	PS028294.D	7.26	0.00
PB164559BS	PB164559BS	11/07/2024	03:52	PS028295.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
C0PI0	P4601-19	11/07/2024	05:28	PS028298.D	7.26	0.00
C0PI2	P4601-20	11/07/2024	05:52	PS028299.D	7.26	0.00
C0PI6	P4601-21	11/07/2024	06:16	PS028300.D	7.26	0.00
C0PI8	P4601-22	11/07/2024	06:40	PS028301.D	7.26	0.00
C0PI9	P4601-23	11/07/2024	07:04	PS028302.D	7.26	0.00
CC0P1	P4601-24	11/07/2024	07:28	PS028303.D	7.26	0.00
CC0P3	P4601-25	11/07/2024	07:52	PS028304.D	7.26	0.00
CC0P5	P4601-26	11/07/2024	08:16	PS028305.D	7.26	0.00
CC0P7	P4601-27	11/07/2024	08:40	PS028306.D	7.26	0.00
CC0P9	P4601-28	11/07/2024	09:04	PS028307.D	7.26	0.00
I.BLK	I.BLK	11/07/2024	09:28	PS028308.D	7.26	0.00
HSTDCCC750	HSTDCCC750	11/07/2024	09:52	PS028309.D	7.26	0.00
I.BLK	I.BLK	11/08/2024	14:25	PS028355.D	7.25	0.00
HSTDICC200	HSTDICC200	11/08/2024	15:13	PS028356.D	7.25	0.00
HSTDICC500	HSTDICC500	11/08/2024	15:46	PS028357.D	7.25	0.00
HSTDICC750	HSTDICC750	11/08/2024	16:10	PS028358.D	7.25	0.00
HSTDICC1000	HSTDICC1000	11/08/2024	16:34	PS028359.D	7.25	0.00
HSTDICC1500	HSTDICC1500	11/08/2024	16:58	PS028360.D	7.25	0.00
I.BLK	I.BLK	11/11/2024	10:24	PS028393.D	7.25	0.00
HSTDCCC750	HSTDCCC750	11/11/2024	10:48	PS028394.D	7.25	0.00
CC0Q1	P4601-29	11/11/2024	12:05	PS028395.D	7.25	0.00
CC0Q6	P4601-30	11/11/2024	12:29	PS028396.D	7.25	0.00
CC0Q8	P4601-31	11/11/2024	12:56	PS028397.D	7.25	0.00
CC0R3	P4601-32	11/11/2024	13:20	PS028398.D	7.25	0.00
CC0R4	P4601-33	11/11/2024	13:44	PS028399.D	7.25	0.00
CC0R5	P4601-34	11/11/2024	14:08	PS028400.D	7.25	0.00
CC0R6	P4601-35	11/11/2024	14:32	PS028401.D	7.25	0.00
CC0R7	P4601-36	11/11/2024	14:57	PS028402.D	7.25	0.00
CC0R7MS	P4601-37MS	11/11/2024	15:21	PS028403.D	7.25	0.00
CC0R7MSD	P4601-38MSD	11/11/2024	15:45	PS028404.D	7.25	0.00

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Analytical Sequence

I.BLK	I.BLK	11/11/2024	16:09	PS028405.D	7.25	0.00
HSTDCCC750	HSTDCCC750	11/11/2024	16:33	PS028406.D	7.25	0.00

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Analytical Sequence

Client: Tetra Tech, EMI **SDG No.:** P4601

Project: R36704 **Instrument ID:** ECD_S

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCAA RT #	RT #
I.BLK	I.BLK	11/06/2024	09:24	PS028252.D	7.76	0.00
HSTDICC200	HSTDICC200	11/06/2024	09:48	PS028253.D	7.77	0.00
HSTDICC500	HSTDICC500	11/06/2024	10:12	PS028254.D	7.77	0.00
HSTDICC750	HSTDICC750	11/06/2024	10:36	PS028255.D	7.77	0.00
HSTDICC1000	HSTDICC1000	11/06/2024	11:00	PS028256.D	7.77	0.00
HSTDICC1500	HSTDICC1500	11/06/2024	11:24	PS028257.D	7.77	0.00
I.BLK	I.BLK	11/06/2024	22:39	PS028283.D	7.76	0.00
HSTDCCC750	HSTDCCC750	11/06/2024	23:03	PS028284.D	7.76	0.00
PB164559BL	PB164559BL	11/07/2024	03:28	PS028294.D	7.76	0.00
PB164559BS	PB164559BS	11/07/2024	03:52	PS028295.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
C0PI0	P4601-19	11/07/2024	05:28	PS028298.D	7.76	0.00
C0PI2	P4601-20	11/07/2024	05:52	PS028299.D	7.76	0.00
C0PI6	P4601-21	11/07/2024	06:16	PS028300.D	7.76	0.00
C0PI8	P4601-22	11/07/2024	06:40	PS028301.D	7.76	0.00
C0PI9	P4601-23	11/07/2024	07:04	PS028302.D	7.76	0.00
CC0P1	P4601-24	11/07/2024	07:28	PS028303.D	7.76	0.00
CC0P3	P4601-25	11/07/2024	07:52	PS028304.D	7.76	0.00
CC0P5	P4601-26	11/07/2024	08:16	PS028305.D	7.76	0.00
CC0P7	P4601-27	11/07/2024	08:40	PS028306.D	7.76	0.00
CC0P9	P4601-28	11/07/2024	09:04	PS028307.D	7.76	0.00
I.BLK	I.BLK	11/07/2024	09:28	PS028308.D	7.76	0.00
HSTDCCC750	HSTDCCC750	11/07/2024	09:52	PS028309.D	7.76	0.00
I.BLK	I.BLK	11/08/2024	14:25	PS028355.D	7.76	0.00
HSTDICC200	HSTDICC200	11/08/2024	15:13	PS028356.D	7.76	0.00
HSTDICC500	HSTDICC500	11/08/2024	15:46	PS028357.D	7.75	0.00
HSTDICC750	HSTDICC750	11/08/2024	16:10	PS028358.D	7.76	0.00
HSTDICC1000	HSTDICC1000	11/08/2024	16:34	PS028359.D	7.76	0.00
HSTDICC1500	HSTDICC1500	11/08/2024	16:58	PS028360.D	7.76	0.00
I.BLK	I.BLK	11/11/2024	10:24	PS028393.D	7.75	0.00
HSTDCCC750	HSTDCCC750	11/11/2024	10:48	PS028394.D	7.75	0.00
CC0Q1	P4601-29	11/11/2024	12:05	PS028395.D	7.75	0.00
CC0Q6	P4601-30	11/11/2024	12:29	PS028396.D	7.75	0.00
CC0Q8	P4601-31	11/11/2024	12:56	PS028397.D	7.75	0.00
CC0R3	P4601-32	11/11/2024	13:20	PS028398.D	7.75	0.00
CC0R4	P4601-33	11/11/2024	13:44	PS028399.D	7.75	0.00
CC0R5	P4601-34	11/11/2024	14:08	PS028400.D	7.75	0.00
CC0R6	P4601-35	11/11/2024	14:32	PS028401.D	7.75	0.00
CC0R7	P4601-36	11/11/2024	14:57	PS028402.D	7.75	0.00
CC0R7MS	P4601-37MS	11/11/2024	15:21	PS028403.D	7.76	0.00
CC0R7MSD	P4601-38MSD	11/11/2024	15:45	PS028404.D	7.75	0.00

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Analytical Sequence

I.BLK	I.BLK	11/11/2024	16:09	PS028405.D	7.75	0.00
HSTDCCC750	HSTDCCC750	11/11/2024	16:33	PS028406.D	7.75	0.00

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

CC0R7MS

Contract: TETR16

Lab Code: CHEM **Case No.:** P4601 **SAS No.:** P4601 **SDG NO.:** P4601

Lab Sample ID: P4601-37MS **Date(s) Analyzed:** 11/11/2024 11/11/2024

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	8.15	8.10	8.20	175	9
	2	8.67	8.62	8.72	160	
2,4-D	1	8.38	8.33	8.43	235	24.6
	2	9.00	8.95	9.05	301	
2,4,5-TP(Silvex)	1	9.26	9.21	9.31	159	61.4
	2	9.91	9.86	9.96	300	
2,4,5-T	1	9.55	9.50	9.60	182	4.5
	2	10.33	10.28	10.38	174	
2,4-DB	1	10.13	10.08	10.18	176	2.2
	2	10.90	10.85	10.95	180	
DICAMBA	1	7.44	7.39	7.49	165	6.3
	2	7.95	7.90	8.00	155	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

CC0R7MSD

Contract: TETR16

Lab Code: CHEM **Case No.:** P4601 **SAS No.:** P4601 **SDG NO.:** P4601

Lab Sample ID: P4601-38MSD **Date(s) Analyzed:** 11/11/2024 11/11/2024

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	8.15	8.10	8.20	173	8.4
	2	8.67	8.62	8.72	159	
2,4-D	1	8.38	8.33	8.43	235	28.5
	2	9.00	8.95	9.05	313	
2,4,5-TP(Silvex)	1	9.26	9.21	9.31	158	61.4
	2	9.91	9.86	9.96	298	
2,4,5-T	1	9.55	9.50	9.60	180	4
	2	10.33	10.28	10.38	173	
2,4-DB	1	10.13	10.08	10.18	175	1.1
	2	10.90	10.85	10.95	177	
DICAMBA	1	7.44	7.39	7.49	164	7.6
	2	7.95	7.90	8.00	152	

Alliance TECHNICAL GROUP
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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.
PB164559BS

Contract: TETR16
Lab Code: CHEM **Case No.:** P4601 **SAS No.:** P4601 **SDG NO.:** P4601
Lab Sample ID: PB164559BS **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	173	7.8
	2	8.68	8.63	8.73	160	
2,4-D	1	8.39	8.34	8.44	174	9.6
	2	9.01	8.96	9.06	158	
2,4,5-TP(Silvex)	1	9.27	9.22	9.32	178	9.4
	2	9.92	9.87	9.97	162	
2,4,5-T	1	9.56	9.51	9.61	177	10.7
	2	10.34	10.29	10.39	159	
2,4-DB	1	10.14	10.09	10.19	173	12.3
	2	10.91	10.86	10.96	153	
Dinoseb	1	11.36	11.31	11.41	172	13
	2	11.29	11.24	11.34	151	
DICAMBA	1	7.45	7.40	7.50	170	4.8
	2	7.96	7.91	8.01	162	

SHIPPING DOCUMENTS

USEPA CLP COC (LAB COPY)

DateShipped: 10/28/2024

CarrierName: FedEx

AirbillNo: 7795 7388 7635

CHAIN OF CUSTODY RECORD

DAS #: R36704

Cooler #: Herbs 2

No: 3-102824-140828-0008

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-SB09-20241022	CC0Q1	Soil/ START	Grab	HERB(21)	1083 (<6C) (1)	SB09	10/22/2024 15:50	
PDA-DUP02-20241022	CC0Q6	Soil/ START	Grab	HERB(21)	1098 (<6C) (1)	DUP02	10/22/2024 12:00	
PDA-DUP03-20241023	CC0Q8	Soil/ START	Grab	HERB(21)	1104 (<6C) (1)	DUP03	10/23/2024 12:00	
PDA-SB16-20241023	CC0R3	Soil/ START	Grab	HERB(21)	1119 (<6C) (1)	SB16	10/23/2024 13:45	
PDA-DUP04-20241023	CC0R4	Soil/ START	Grab	HERB(21)	1122 (<6C) (1)	DUP04	10/23/2024 12:00	
PDA-SB02-20241023	CC0R5	Soil/ START	Grab	HERB(21)	1125 (<6C) (1)	SB02	10/23/2024 14:45	
PDA-SS02-20241023	CC0R6	Soil/ START	Grab	HERB(21)	1128 (<6C) (1)	SS02	10/23/2024 14:45	
PDA-SB21-20241023	CC0R7	Soil/ START	Grab	HERB(21)	1131 (<6C), 1147 (<6C), 1149 (<6C) (3)	SB21	10/23/2024 15:34	

Sample(s) to be used for Lab QC: PDA-SB21-20241023 Tag 1147, PDA-SB21-20241023 Tag 1149

Shipment for Case Complete? N

Samples Transferred From Chain of Custody #

Analysis Key: HERB=Herbicides

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	John Shirk START	1645 10/28/24		955 10-29-24	IR Gun #1 2.8°C
					Custody Seal Intact
					Temp Blank present

P4601

USEPA CLP COC (LAB COPY)
DateShipped: 10/28/2024
CarrierName: FedEx
AirbillNo: 7795 7388 7635

CHAIN OF CUSTODY RECORD

DAS #: R36704
Cooler #: Herbs 2

No: 3-102824-140828-0008
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-SS01-20241022	C0PI0	Soil/ START	Grab	HERB(21)	1012 (<6C) (1)	SS01	10/22/2024 09:15	
PDA-SB01-20241022	C0PI2	Soil/ START	Grab	HERB(21)	1024 (<6C) (1)	SB01	10/22/2024 09:15	
PDA-SB20-20241022	C0PI6	Soil/ START	Grab	HERB(21)	1038 (<6C) (1)	SB20	10/22/2024 10:10	
PDA-DUP01-20241022	C0PI8	Soil/ START	Grab	HERB(21)	1044 (<6C) (1)	DUP01	10/22/2024 12:00	
PDA-SB03-20241022	C0PI9	Soil/ START	Grab	HERB(21)	1047 (<6C) (1)	SB03	10/22/2024 11:00	
PDA-SB04-20241022	CC0P1	Soil/ START	Grab	HERB(21)	1053 (<6C) (1)	SB04	10/22/2024 11:55	
PDA-SB05-20241022	CC0P3	Soil/ START	Grab	HERB(21)	1059 (<6C) (1)	SB05	10/22/2024 12:50	
PDA-SB06-20241022	CC0P5	Soil/ START	Grab	HERB(21)	1065 (<6C) (1)	SB06	10/22/2024 13:55	
PDA-SB07-20241022	CC0P7	Soil/ START	Grab	HERB(21)	1071 (<6C) (1)	SB07	10/22/2024 14:35	
PDA-SB08-20241022	CC0P9	Soil/ START	Grab	HERB(21)	1077 (<6C) (1)	SB08	10/22/2024 15:15	

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

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	John Shuh START	10/28/24 1645	CK	955 10-29-24	IR-Gun #1 2.8°C
					Custody Seal Intact
					Temp Blank 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