

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 : P4602

ATTENTION : Ava Heiss



Laboratory Certification ID # 20012



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Cover Page

Order ID : P4602

Project ID : R36704

Client : Tetra Tech, EMI

Lab Sample Number

P4602-19
P4602-21
P4602-22
P4602-23
P4602-24
P4602-25
P4602-26
P4602-27
P4602-28
P4602-29
P4602-30
P4602-31
P4602-32
P4602-33
P4602-34
P4602-37
P4602-38
P4602-39
P4602-40
P4602-41
P4602-42
P4602-43
P4602-44
P4602-45

Client Sample Number

C0P17
CC0P2
CC0P4
CC0P6
CC0P8
CC0Q0
CC0Q2
CC0Q3
CC0Q4
CC0Q5
CC0Q7
CC0Q9
CC0R0
CC0R1
CC0R2
CC0P0
P4602-37MS
P4602-37MSD
CC0R6
P4602-40MS
P4602-40MSD
CC0R8
P4602-43MS
P4602-43MSD

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

Signature : _____

Date: 11/13/2024

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CASE NARRATIVE

Tetra Tech, EMI

Project Name: R36704

Project # N/A

Chemtech Project # P4602

Test Name: Herbicide

A. Number of Samples and Date of Receipt:

24 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 #: 11324. The analysis of Herbicides was based on method 8151A and extraction was done based on method 3541.

D. QA/ QC Samples:

The Holding Times were met for all samples .

The Surrogate recoveries met the acceptable criteria.

The Retention Times were acceptable for all samples.

The MS {P4602-44MS} with File ID: PS028408.D recoveries met the requirements for all compounds except for Dinoseb[0%], due to matrix interference.

The MS {P4602-41MS} with File ID: PS028411.D recoveries met the requirements for all compounds except for Dinoseb[0%], due to matrix interference.

The MS {P4602-38MS} with File ID: PS028436.D recoveries met the requirements for all compounds except for 2,4,5-TP(Silvex)[7%] and Dinoseb[8%], due to matrix interference.

The MSD {P4602-45MSD} with File ID: PS028409.D recoveries met the acceptable requirements except for Dinoseb[0%], due to matrix interference.

The MSD {P4602-42MSD} with File ID: PS028412.D recoveries met the acceptable requirements except for Dinoseb[0%], due to matrix interference.

The MSD {P4602-39MSD} with File ID: PS028437.D recoveries met the acceptable requirements except for 2,4,5-TP(Silvex)[6%] and Dinoseb[8%], 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 File ID PS028237.D met the requirements except for 2,4,5-T,2,4,5-TP (Silvex),2,4-D,2,4-DB,2,4-DCAA,DICAMBA,DICHLORPROP,DINOSEB is failing in 1st column but it is passing in 2nd column also associated QC passing for that therefore no corrective action taken.

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_____

DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following “Results Qualifiers” are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. “10 U”. This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the analyte was analyzed for, but not detected
J	Indicates an estimated value. This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as “12 B”.
E	Indicates the analyte ‘s concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a “P”.
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
Q	Indicates the LCS did not meet the control limits requirements

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: P4602

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

LAB CHRONICLE

OrderID:	P4602	OrderDate:	10/29/2024 10:35:00 AM
Client:	Tetra Tech, EMI	Project:	R36704
Contact:	Ava Heiss	Location:	K61

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4602-19	C0P17	SOIL	Herbicide	8151A	10/22/24	11/01/24	11/11/24	10/29/24
P4602-21	CC0P2	SOIL	Herbicide	8151A	10/22/24	11/01/24	11/11/24	10/29/24
P4602-22	CC0P4	SOIL	Herbicide	8151A	10/22/24	11/01/24	11/11/24	10/29/24
P4602-23	CC0P6	SOIL	Herbicide	8151A	10/22/24	11/01/24	11/11/24	10/29/24
P4602-24	CC0P8	SOIL	Herbicide	8151A	10/22/24	11/01/24	11/11/24	10/29/24
P4602-25	CC0Q0	SOIL	Herbicide	8151A	10/22/24	11/01/24	11/11/24	10/29/24
P4602-26	CC0Q2	SOIL	Herbicide	8151A	10/22/24	11/01/24	11/11/24	10/29/24
P4602-27	CC0Q3	SOIL	Herbicide	8151A	10/22/24	11/01/24	11/12/24	10/29/24
P4602-28	CC0Q4	SOIL	Herbicide	8151A	10/23/24	11/01/24	11/12/24	10/29/24
P4602-29	CC0Q5	SOIL	Herbicide	8151A	10/23/24	11/01/24	11/12/24	10/29/24
P4602-30	CC0Q7	SOIL	Herbicide	8151A	10/23/24	11/01/24	11/12/24	10/29/24
P4602-31	CC0Q9	SOIL			10/23/24			10/29/24

LAB CHRONICLE

			Herbicide	8151A		11/01/24	11/12/24	
P4602-32	CC0R0	SOIL			10/23/24			10/29/24
			Herbicide	8151A		11/01/24	11/12/24	
P4602-33	CC0R1	SOIL			10/23/24			10/29/24
			Herbicide	8151A		11/01/24	11/12/24	
P4602-34	CC0R2	SOIL			10/23/24			10/29/24
			Herbicide	8151A		11/01/24	11/12/24	
P4602-37	CC0P0	SOIL			10/22/24			10/29/24
			Herbicide	8151A		11/01/24	11/12/24	
P4602-40	CC0R6	SOIL			10/23/24			10/29/24
			Herbicide	8151A		11/06/24	11/11/24	
P4602-43	CC0R8	SOIL			10/23/24			10/29/24
			Herbicide	8151A		11/04/24	11/11/24	

Hit Summary Sheet
SW-846

SDG No.: P4602

Order ID: P4602

Client: Tetra Tech, EMI

Project ID: R36704

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

Total Concentration: 0.000

A
B
C
D
E
F
G
H



SAMPLE DATA

Report of Analysis

Client:	Tetra Tech, EMI		Date Collected:	10/22/24	
Project:	R36704		Date Received:	10/29/24	
Client Sample ID:	C0P17		SDG No.:	P4602	
Lab Sample ID:	P4602-19		Matrix:	SOIL	
Analytical Method:	SW8151A		% Solid:	91.2	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
PS028416.D	1	11/01/24 08:25	11/11/24 20:34	PB164725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	73.4	U	9.50	73.4	ug/Kg
120-36-5	DICHLORPROP	73.4	U	10.4	73.4	ug/Kg
94-75-7	2,4-D	73.4	U	13.2	73.4	ug/Kg
93-72-1	2,4,5-TP (Silvex)	73.4	U	10.3	73.4	ug/Kg
93-76-5	2,4,5-T	73.4	U	11.1	73.4	ug/Kg
94-82-6	2,4-DB	73.4	U	20.0	73.4	ug/Kg
88-85-7	DINOSEB	73.4	U	13.6	73.4	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	207		10 - 141	41%	SPK: 500

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Report of Analysis

Client:	Tetra Tech, EMI		Date Collected:	10/22/24	
Project:	R36704		Date Received:	10/29/24	
Client Sample ID:	CC0P2		SDG No.:	P4602	
Lab Sample ID:	P4602-21		Matrix:	SOIL	
Analytical Method:	SW8151A		% Solid:	96	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
PS028419.D	1	11/01/24 08:25	11/11/24 21:46	PB164725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	69.6	U	9.00	69.6	ug/Kg
120-36-5	DICHLORPROP	69.6	U	9.90	69.6	ug/Kg
94-75-7	2,4-D	69.6	U	12.6	69.6	ug/Kg
93-72-1	2,4,5-TP (Silvex)	69.6	U	9.80	69.6	ug/Kg
93-76-5	2,4,5-T	69.6	U	10.5	69.6	ug/Kg
94-82-6	2,4-DB	69.6	U	19.0	69.6	ug/Kg
88-85-7	DINOSEB	69.6	U	12.9	69.6	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	206		10 - 141	41%	SPK: 500

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B = Analyte Found in Associated Method Blank

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* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Report of Analysis

Client:	Tetra Tech, EMI		Date Collected:	10/22/24	
Project:	R36704		Date Received:	10/29/24	
Client Sample ID:	CC0P4		SDG No.:	P4602	
Lab Sample ID:	P4602-22		Matrix:	SOIL	
Analytical Method:	SW8151A		% Solid:	95.5	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
PS028420.D	1	11/01/24 08:25	11/11/24 22:10	PB164725

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	216		10 - 141	43%	SPK: 500

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* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Report of Analysis

Client:	Tetra Tech, EMI		Date Collected:	10/22/24	
Project:	R36704		Date Received:	10/29/24	
Client Sample ID:	CC0P6		SDG No.:	P4602	
Lab Sample ID:	P4602-23		Matrix:	SOIL	
Analytical Method:	SW8151A		% Solid:	92.2	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
PS028421.D	1	11/01/24 08:25	11/11/24 22:34	PB164725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	72.6	U	9.40	72.6	ug/Kg
120-36-5	DICHLORPROP	72.6	U	10.3	72.6	ug/Kg
94-75-7	2,4-D	72.6	U	13.1	72.6	ug/Kg
93-72-1	2,4,5-TP (Silvex)	72.6	U	10.2	72.6	ug/Kg
93-76-5	2,4,5-T	72.6	U	10.9	72.6	ug/Kg
94-82-6	2,4-DB	72.6	U	19.8	72.6	ug/Kg
88-85-7	DINOSEB	72.6	U	13.4	72.6	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	164		10 - 141	33%	SPK: 500

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D = Dilution

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

() = Laboratory InHouse Limit

Report of Analysis

Client:	Tetra Tech, EMI		Date Collected:	10/22/24	
Project:	R36704		Date Received:	10/29/24	
Client Sample ID:	CC0P8		SDG No.:	P4602	
Lab Sample ID:	P4602-24		Matrix:	SOIL	
Analytical Method:	SW8151A		% Solid:	87.9	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
PS028422.D	1	11/01/24 08:25	11/11/24 22:58	PB164725

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	10.7	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	20.8	76.0	ug/Kg
88-85-7	DINOSEB	76.0	U	14.1	76.0	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	129		10 - 141	26%	SPK: 500

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() = Laboratory InHouse Limit

Report of Analysis

Client:	Tetra Tech, EMI		Date Collected:	10/22/24	
Project:	R36704		Date Received:	10/29/24	
Client Sample ID:	CC0Q0		SDG No.:	P4602	
Lab Sample ID:	P4602-25		Matrix:	SOIL	
Analytical Method:	SW8151A		% Solid:	89.8	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
PS028423.D	1	11/01/24 08:25	11/11/24 23:22	PB164725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	74.4	U	9.60	74.4	ug/Kg
120-36-5	DICHLORPROP	74.4	U	10.6	74.4	ug/Kg
94-75-7	2,4-D	74.4	U	13.4	74.4	ug/Kg
93-72-1	2,4,5-TP (Silvex)	74.4	U	10.4	74.4	ug/Kg
93-76-5	2,4,5-T	74.4	U	11.2	74.4	ug/Kg
94-82-6	2,4-DB	74.4	U	20.3	74.4	ug/Kg
88-85-7	DINOSEB	74.4	U	13.8	74.4	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	182		10 - 141	36%	SPK: 500

Comments:

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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:	CC0Q2		SDG No.:	P4602	
Lab Sample ID:	P4602-26		Matrix:	SOIL	
Analytical Method:	SW8151A		% Solid:	85.5	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
PS028424.D	1	11/01/24 08:25	11/11/24 23:46	PB164725

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	233		10 - 141	47%	SPK: 500

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Report of Analysis

Client:	Tetra Tech, EMI		Date Collected:	10/22/24	
Project:	R36704		Date Received:	10/29/24	
Client Sample ID:	CC0Q3		SDG No.:	P4602	
Lab Sample ID:	P4602-27		Matrix:	SOIL	
Analytical Method:	SW8151A		% Solid:	66.9	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
PS028425.D	1	11/01/24 08:25	11/12/24 00:10	PB164725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	100	U	13.0	100	ug/Kg
120-36-5	DICHLORPROP	100	U	14.3	100	ug/Kg
94-75-7	2,4-D	100	U	18.1	100	ug/Kg
93-72-1	2,4,5-TP (Silvex)	100	U	14.0	100	ug/Kg
93-76-5	2,4,5-T	100	U	15.1	100	ug/Kg
94-82-6	2,4-DB	100	U	27.3	100	ug/Kg
88-85-7	DINOSEB	100	U	18.5	100	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	166		10 - 141	33%	SPK: 500

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Report of Analysis

Client:	Tetra Tech, EMI			Date Collected:	10/23/24	
Project:	R36704			Date Received:	10/29/24	
Client Sample ID:	CC0Q4			SDG No.:	P4602	
Lab Sample ID:	P4602-28			Matrix:	SOIL	
Analytical Method:	SW8151A			% Solid:	79.3	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
PS028446.D	1	11/01/24 08:25	11/12/24 09:04	PB164725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	84.4	U	10.9	84.4	ug/Kg
120-36-5	DICHLORPROP	84.4	U	12.0	84.4	ug/Kg
94-75-7	2,4-D	84.4	U	15.2	84.4	ug/Kg
93-72-1	2,4,5-TP (Silvex)	84.4	U	11.8	84.4	ug/Kg
93-76-5	2,4,5-T	84.4	U	12.7	84.4	ug/Kg
94-82-6	2,4-DB	84.4	U	23.0	84.4	ug/Kg
88-85-7	DINOSEB	84.4	U	15.6	84.4	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	304		10 - 141	61%	SPK: 500

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Report of Analysis

Client:	Tetra Tech, EMI		Date Collected:	10/23/24	
Project:	R36704		Date Received:	10/29/24	
Client Sample ID:	CC0Q5		SDG No.:	P4602	
Lab Sample ID:	P4602-29		Matrix:	SOIL	
Analytical Method:	SW8151A		% Solid:	77.4	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
PS028427.D	1	11/01/24 08:25	11/12/24 00:58	PB164725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	86.4	U	11.2	86.4	ug/Kg
120-36-5	DICHLORPROP	86.4	U	12.3	86.4	ug/Kg
94-75-7	2,4-D	86.4	U	15.6	86.4	ug/Kg
93-72-1	2,4,5-TP (Silvex)	86.4	U	12.1	86.4	ug/Kg
93-76-5	2,4,5-T	86.4	U	13.0	86.4	ug/Kg
94-82-6	2,4-DB	86.4	U	23.6	86.4	ug/Kg
88-85-7	DINOSEB	86.4	U	16.0	86.4	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	192		10 - 141	38%	SPK: 500

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Report of Analysis

Client:	Tetra Tech, EMI			Date Collected:	10/23/24	
Project:	R36704			Date Received:	10/29/24	
Client Sample ID:	CC0Q7			SDG No.:	P4602	
Lab Sample ID:	P4602-30			Matrix:	SOIL	
Analytical Method:	SW8151A			% Solid:	85	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
PS028428.D	1	11/01/24 08:25	11/12/24 01:23	PB164725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	78.8	U	10.2	78.8	ug/Kg
120-36-5	DICHLORPROP	78.8	U	11.2	78.8	ug/Kg
94-75-7	2,4-D	78.8	U	14.2	78.8	ug/Kg
93-72-1	2,4,5-TP (Silvex)	78.8	U	11.0	78.8	ug/Kg
93-76-5	2,4,5-T	78.8	U	11.9	78.8	ug/Kg
94-82-6	2,4-DB	78.8	U	21.5	78.8	ug/Kg
88-85-7	DINOSEB	78.8	U	14.6	78.8	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	161		10 - 141	32%	SPK: 500

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Report of Analysis

Client:	Tetra Tech, EMI		Date Collected:	10/23/24	
Project:	R36704		Date Received:	10/29/24	
Client Sample ID:	CC0Q9		SDG No.:	P4602	
Lab Sample ID:	P4602-31		Matrix:	SOIL	
Analytical Method:	SW8151A		% Solid:	95.9	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
PS028433.D	1	11/01/24 08:25	11/12/24 03:23	PB164725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	69.8	U	9.00	69.8	ug/Kg
120-36-5	DICHLORPROP	69.8	U	9.90	69.8	ug/Kg
94-75-7	2,4-D	69.8	U	12.6	69.8	ug/Kg
93-72-1	2,4,5-TP (Silvex)	69.8	U	9.80	69.8	ug/Kg
93-76-5	2,4,5-T	69.8	U	10.5	69.8	ug/Kg
94-82-6	2,4-DB	69.8	U	19.1	69.8	ug/Kg
88-85-7	DINOSEB	69.8	U	12.9	69.8	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	303		10 - 141	61%	SPK: 500

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Report of Analysis

Client:	Tetra Tech, EMI		Date Collected:	10/23/24	
Project:	R36704		Date Received:	10/29/24	
Client Sample ID:	CC0R0		SDG No.:	P4602	
Lab Sample ID:	P4602-32		Matrix:	SOIL	
Analytical Method:	SW8151A		% Solid:	87.1	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
PS028434.D	1	11/01/24 08:25	11/12/24 03:47	PB164725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	76.7	U	9.90	76.7	ug/Kg
120-36-5	DICHLORPROP	76.7	U	10.9	76.7	ug/Kg
94-75-7	2,4-D	76.7	U	13.9	76.7	ug/Kg
93-72-1	2,4,5-TP (Silvex)	76.7	U	10.8	76.7	ug/Kg
93-76-5	2,4,5-T	76.7	U	11.6	76.7	ug/Kg
94-82-6	2,4-DB	76.7	U	21.0	76.7	ug/Kg
88-85-7	DINOSEB	76.7	U	14.2	76.7	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	257		10 - 141	51%	SPK: 500

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Report of Analysis

Client:	Tetra Tech, EMI		Date Collected:	10/23/24	
Project:	R36704		Date Received:	10/29/24	
Client Sample ID:	CC0R1		SDG No.:	P4602	
Lab Sample ID:	P4602-33		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
PS028431.D	1	11/01/24 08:25	11/12/24 02:35	PB164725

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	179		10 - 141	36%	SPK: 500

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Report of Analysis

Client:	Tetra Tech, EMI		Date Collected:	10/23/24	
Project:	R36704		Date Received:	10/29/24	
Client Sample ID:	CC0R2		SDG No.:	P4602	
Lab Sample ID:	P4602-34		Matrix:	SOIL	
Analytical Method:	SW8151A		% Solid:	73.8	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
PS028432.D	1	11/01/24 08:25	11/12/24 02:59	PB164725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	90.7	U	11.7	90.7	ug/Kg
120-36-5	DICHLORPROP	90.7	U	12.9	90.7	ug/Kg
94-75-7	2,4-D	90.7	U	16.4	90.7	ug/Kg
93-72-1	2,4,5-TP (Silvex)	90.7	U	12.7	90.7	ug/Kg
93-76-5	2,4,5-T	90.7	U	13.7	90.7	ug/Kg
94-82-6	2,4-DB	90.7	U	24.8	90.7	ug/Kg
88-85-7	DINOSEB	90.7	U	16.8	90.7	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	133		10 - 141	27%	SPK: 500

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Report of Analysis

Client:	Tetra Tech, EMI		Date Collected:	10/22/24	
Project:	R36704		Date Received:	10/29/24	
Client Sample ID:	CC0P0		SDG No.:	P4602	
Lab Sample ID:	P4602-37		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
PS028435.D	1	11/01/24 08:25	11/12/24 04:11	PB164725

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	156		10 - 141	31%	SPK: 500

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Report of Analysis

Client:	Tetra Tech, EMI		Date Collected:	10/23/24	
Project:	R36704		Date Received:	10/29/24	
Client Sample ID:	CC0R6		SDG No.:	P4602	
Lab Sample ID:	P4602-40		Matrix:	SOIL	
Analytical Method:	SW8151A		% Solid:	94.5	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
PS028410.D	1	11/06/24 08:40	11/11/24 18:10	PB164703

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	285		10 - 141	57%	SPK: 500

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Report of Analysis

Client:	Tetra Tech, EMI		Date Collected:	10/23/24	
Project:	R36704		Date Received:	10/29/24	
Client Sample ID:	CC0R8		SDG No.:	P4602	
Lab Sample ID:	P4602-43		Matrix:	SOIL	
Analytical Method:	SW8151A		% Solid:	91.6	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
PS028407.D	1	11/04/24 09:51	11/11/24 16:57	PB164641

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	73.0	U	9.40	73.0	ug/Kg
120-36-5	DICHLORPROP	73.0	U	10.4	73.0	ug/Kg
94-75-7	2,4-D	73.0	U	13.2	73.0	ug/Kg
93-72-1	2,4,5-TP (Silvex)	73.0	U	10.2	73.0	ug/Kg
93-76-5	2,4,5-T	73.0	U	11.0	73.0	ug/Kg
94-82-6	2,4-DB	73.0	U	19.9	73.0	ug/Kg
88-85-7	DINOSEB	73.0	U	13.5	73.0	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	301		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



QC SUMMARY

Surrogate Summary

SDG No.: **P4602**

Client: **Tetra Tech, EMI**

Analytical Method: **8151A**

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
I.BLK-PS028217.D	PIBLK-PS028217.D	2,4-DCAA	1	500	506	101		39	175
		2,4-DCAA	2	500	449	90		39	175
I.BLK-PS028224.D	PIBLK-PS028224.D	2,4-DCAA	1	500	486	97		39	175
		2,4-DCAA	2	500	559	112		39	175
PB164641BL	PB164641BL	2,4-DCAA	1	500	572	114		10	141
		2,4-DCAA	2	500	568	114		10	141
PB164641BS	PB164641BS	2,4-DCAA	1	500	573	115		10	141
		2,4-DCAA	2	500	572	114		10	141
I.BLK-PS028236.D	PIBLK-PS028236.D	2,4-DCAA	1	500	573	115		39	175
		2,4-DCAA	2	500	538	108		39	175
I.BLK-PS028252.D	PIBLK-PS028252.D	2,4-DCAA	1	500	489	98		39	175
		2,4-DCAA	2	500	491	98		39	175
I.BLK-PS028271.D	PIBLK-PS028271.D	2,4-DCAA	1	500	519	104		39	175
		2,4-DCAA	2	500	516	103		39	175
PB164703BL	PB164703BL	2,4-DCAA	1	500	556	111		10	141
		2,4-DCAA	2	500	520	104		10	141
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
PB164703BS	PB164703BS	2,4-DCAA	1	500	560	112		10	141
		2,4-DCAA	2	500	535	107		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
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-PS028405.D	PIBLK-PS028405.D	2,4-DCAA	1	500	511	102		39	175
		2,4-DCAA	2	500	472	94		39	175
P4602-43	CC0R8	2,4-DCAA	1	500	301	60		10	141
		2,4-DCAA	2	500	237	47		10	141
P4602-44MS	CC0R8MS	2,4-DCAA	1	500	375	75		10	141
		2,4-DCAA	2	500	253	51		10	141
P4602-45MSD	CC0R8MSD	2,4-DCAA	1	500	379	76		10	141
		2,4-DCAA	2	500	254	51		10	141
P4602-40	CC0R6	2,4-DCAA	1	500	285	57		10	141
		2,4-DCAA	2	500	200	40		10	141
P4602-41MS	CC0R6MS	2,4-DCAA	1	500	390	78		10	141
		2,4-DCAA	2	500	186	37		10	141
P4602-42MSD	CC0R6MSD	2,4-DCAA	1	500	396	79		10	141
		2,4-DCAA	2	500	188	38		10	141
PB164725BL	PB164725BL	2,4-DCAA	1	500	558	112		10	141
		2,4-DCAA	2	500	487	97		10	141
PB164725BS	PB164725BS	2,4-DCAA	1	500	555	111		10	141

Surrogate Summary

SDG No.: **P4602**

Client: **Tetra Tech, EMI**

Analytical Method: **8151A**

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
PB164725BS	PB164725BS	2,4-DCAA	2	500	463	93		10	141
P4602-19	C0P17	2,4-DCAA	1	500	207	41		10	141
		2,4-DCAA	2	500	169	34		10	141
I.BLK-PS028417.D	PIBLK-PS028417.D	2,4-DCAA	1	500	513	103		39	175
		2,4-DCAA	2	500	468	94		39	175
P4602-21	CC0P2	2,4-DCAA	1	500	206	41		10	141
		2,4-DCAA	2	500	168	34		10	141
P4602-22	CC0P4	2,4-DCAA	1	500	216	43		10	141
		2,4-DCAA	2	500	139	28		10	141
P4602-23	CC0P6	2,4-DCAA	1	500	164	33		10	141
		2,4-DCAA	2	500	125	25		10	141
P4602-24	CC0P8	2,4-DCAA	1	500	129	26		10	141
		2,4-DCAA	2	500	105	21		10	141
P4602-25	CC0Q0	2,4-DCAA	1	500	182	36		10	141
		2,4-DCAA	2	500	168	34		10	141
P4602-26	CC0Q2	2,4-DCAA	1	500	233	47		10	141
		2,4-DCAA	2	500	205	41		10	141
P4602-27	CC0Q3	2,4-DCAA	1	500	166	33		10	141
		2,4-DCAA	2	500	140	28		10	141
P4602-29	CC0Q5	2,4-DCAA	1	500	131	26		10	141
		2,4-DCAA	2	500	192	38		10	141
P4602-30	CC0Q7	2,4-DCAA	1	500	161	32		10	141
		2,4-DCAA	2	500	123	25		10	141
I.BLK-PS028429.D	PIBLK-PS028429.D	2,4-DCAA	1	500	508	102		39	175
		2,4-DCAA	2	500	461	92		39	175
P4602-33	CC0R1	2,4-DCAA	1	500	179	36		10	141
		2,4-DCAA	2	500	116	23		10	141
P4602-34	CC0R2	2,4-DCAA	1	500	133	27		10	141
		2,4-DCAA	2	500	110	22		10	141
P4602-31	CC0Q9	2,4-DCAA	1	500	303	61		10	141
		2,4-DCAA	2	500	273	55		10	141
P4602-32	CC0R0	2,4-DCAA	1	500	257	51		10	141
		2,4-DCAA	2	500	255	51		10	141
P4602-37	CC0P0	2,4-DCAA	1	500	156	31		10	141
		2,4-DCAA	2	500	132	26		10	141
P4602-38MS	CC0P0MS	2,4-DCAA	1	500	138	28		10	141
		2,4-DCAA	2	500	108	22		10	141
P4602-39MSD	CC0P0MSD	2,4-DCAA	1	500	137	27		10	141
		2,4-DCAA	2	500	108	22		10	141
I.BLK-PS028441.D	PIBLK-PS028441.D	2,4-DCAA	1	500	509	102		39	175
		2,4-DCAA	2	500	455	91		39	175

Surrogate Summary

SDG No.: P4602

Client: Tetra Tech, EMI

Analytical Method: 8151A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
P4602-28	CC0Q4	2,4-DCAA	1	500	304	61		10	141
		2,4-DCAA	2	500	263	53		10	141
I.BLK-PS028447.D	PIBLK-PS028447.D	2,4-DCAA	1	500	497	99		39	175
		2,4-DCAA	2	500	446	89		39	175

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4602

Client: Tetra Tech, EMI

Analytical Method: 8151A

DataFile : PS028408.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID: P4602-44MS	CC0R8MS											
	DICAMBA	181.8	0	78.0	ug/Kg	43				10	112	
	DICHLORPROP	181.8	0	47.0	ug/Kg	26				10	113	
	2,4-D	181.8	0	90.4	ug/Kg	50				10	144	
	2,4,5-TP(Silvex)	181.8	0	29.7	ug/Kg	16				10	114	
	2,4,5-T	181.8	0	49.4	ug/Kg	27				10	115	
	2,4-DB	181.8	0	52.5	ug/Kg	29				10	140	
	Dinoseb	181.8	0	0	ug/Kg	0	*			10	118	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4602

Client: Tetra Tech, EMI

Analytical Method: 8151A

DataFile : PS028409.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID: P4602-45MSD	CC0R8MSD											
	DICAMBA	181.7	0	78.6	ug/Kg	43		0		10	112	20
	DICHLORPROP	181.7	0	47.4	ug/Kg	26		0		10	113	20
	2,4-D	181.7	0	91.1	ug/Kg	50		0		10	144	20
	2,4,5-TP(Silvex)	181.7	0	29.9	ug/Kg	16		0		10	114	20
	2,4,5-T	181.7	0	50.0	ug/Kg	28		4		10	115	20
	2,4-DB	181.7	0	52.5	ug/Kg	29		0		10	140	20
	Dinoseb	181.7	0	0	ug/Kg	0	*	0		10	118	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4602

Client: Tetra Tech, EMI

Analytical Method: 8151A

DataFile : PS028411.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID: P4602-41MS	CC0R6MS											
	DICAMBA	176	0	66.9	ug/Kg	38				10	112	
	DICHLORPROP	176	0	31.9	ug/Kg	18				10	113	
	2,4-D	176	0	73.5	ug/Kg	42				10	144	
	2,4,5-TP(Silvex)	176	0	23.0	ug/Kg	13				10	114	
	2,4,5-T	176	0	39.5	ug/Kg	22				10	115	
	2,4-DB	176	0	20.1	ug/Kg	11				10	140	
	Dinoseb	176	0	0	ug/Kg	0	*			10	118	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4602

Client: Tetra Tech, EMI

Analytical Method: 8151A

DataFile : PS028412.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID: P4602-42MSD	CC0R6MSD											
	DICAMBA	176.1	0	67.9	ug/Kg	39		3		10	112	20
	DICHLORPROP	176.1	0	32.4	ug/Kg	18		0		10	113	20
	2,4-D	176.1	0	74.5	ug/Kg	42		0		10	144	20
	2,4,5-TP(Silvex)	176.1	0	23.3	ug/Kg	13		0		10	114	20
	2,4,5-T	176.1	0	40.1	ug/Kg	23		4		10	115	20
	2,4-DB	176.1	0	21.3	ug/Kg	12		9		10	140	20
	Dinoseb	176.1	0	0	ug/Kg	0	*	0		10	118	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4602

Client: Tetra Tech, EMI

Analytical Method: 8151A

DataFile : PS028436.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID: P4602-38MS	CC0P0MS											
	DICAMBA	179.2	0	41.7	ug/Kg	23				10	112	
	DICHLORPROP	179.2	0	23.2	ug/Kg	13				10	113	
	2,4-D	179.2	0	52.4	ug/Kg	29				10	144	
	2,4,5-TP(Silvex)	179.2	0	12.8	ug/Kg	7	*			10	114	
	2,4,5-T	179.2	0	19.3	ug/Kg	11				10	115	
	2,4-DB	179.2	0	53.7	ug/Kg	30				10	140	
	Dinoseb	179.2	0	13.9	ug/Kg	8	*			10	118	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4602

Client: Tetra Tech, EMI

Analytical Method: 8151A

DataFile : PS028437.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID: P4602-39MSD	CC0P0MSD											
	DICAMBA	179.1	0	42.0	ug/Kg	23		0		10	112	20
	DICHLORPROP	179.1	0	23.6	ug/Kg	13		0		10	113	20
	2,4-D	179.1	0	52.7	ug/Kg	29		0		10	144	20
	2,4,5-TP(Silvex)	179.1	0	11.4	ug/Kg	6	*	15		10	114	20
	2,4,5-T	179.1	0	21.3	ug/Kg	12		9		10	115	20
	2,4-DB	179.1	0	51.0	ug/Kg	28		7		10	140	20
	Dinoseb	179.1	0	13.9	ug/Kg	8	*	0		10	118	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4602

Client: Tetra Tech, EMI

Analytical Method: 8151A Datafile : PS028231.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB164641BS	DICAMBA	166.5	181	ug/Kg	109				72	129		
	DICHLORPROP	166.5	185	ug/Kg	111				77	135		
	2,4-D	166.5	186	ug/Kg	112				65	144		
	2,4,5-TP(Silvex)	166.5	194	ug/Kg	117				74	146		
	2,4,5-T	166.5	193	ug/Kg	116				77	134		
	2,4-DB	166.5	188	ug/Kg	113				72	122		
	Dinoseb	166.5	197	ug/Kg	118				74	132		

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4602

Client: Tetra Tech, EMI

Analytical Method: 8151A Datafile : PS028285.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB164703BS	DICAMBA	166.6	174	ug/Kg	104				72	129		
	DICHLORPROP	166.6	177	ug/Kg	106				77	135		
	2,4-D	166.6	177	ug/Kg	106				65	144		
	2,4,5-TP(Silvex)	166.6	182	ug/Kg	109				74	146		
	2,4,5-T	166.6	181	ug/Kg	109				77	134		
	2,4-DB	166.6	177	ug/Kg	106				72	122		
	Dinoseb	166.6	180	ug/Kg	108				74	132		

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4602

Client: Tetra Tech, EMI

Analytical Method: 8151A Datafile : PS028415.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB164725BS	DICAMBA	166.6	145	ug/Kg	87				72	129		
	DICHLORPROP	166.6	156	ug/Kg	94				77	135		
	2,4-D	166.6	170	ug/Kg	102				65	144		
	2,4,5-TP(Silvex)	166.6	167	ug/Kg	100				74	146		
	2,4,5-T	166.6	153	ug/Kg	92				77	134		
	2,4-DB	166.6	132	ug/Kg	79				72	122		
	Dinoseb	166.6	140	ug/Kg	84				74	132		

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB164641BL

Lab Name: CHEMTECH

Contract: TETR16

Lab Code: CHEM Case No.: P4602

SAS No.: P4602 SDG NO.: P4602

Lab Sample ID: PB164641BL

Lab File ID: PS028230.D

Matrix: (soil/water) Solid

Extraction: (Type) _____

Sulfur Cleanup: (Y/N) N

Date Extracted: 11/04/2024

Date Analyzed (1): 11/05/2024

Date Analyzed (2): 11/05/2024

Time Analyzed (1): 22:36

Time Analyzed (2): 22:36

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
PB164641BS	PB164641BS	PS028231.D	11/05/2024	11/05/2024
CC0R8	P4602-43	PS028407.D	11/11/2024	11/11/2024
CC0R8MS	P4602-44MS	PS028408.D	11/11/2024	11/11/2024
CC0R8MSD	P4602-45MSD	PS028409.D	11/11/2024	11/11/2024

COMMENTS: _____

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB164703BL

Lab Name: CHEMTECH

Contract: TETR16

Lab Code: CHEM Case No.: P4602

SAS No.: P4602 SDG NO.: P4602

Lab Sample ID: PB164703BL

Lab File ID: PS028282.D

Matrix: (soil/water) Solid

Extraction: (Type) _____

Sulfur Cleanup: (Y/N) N

Date Extracted: 11/06/2024

Date Analyzed (1): 11/06/2024

Date Analyzed (2): 11/06/2024

Time Analyzed (1): 22:15

Time Analyzed (2): 22:15

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
PB164703BS	PB164703BS	PS028285.D	11/06/2024	11/06/2024
CC0R6	P4602-40	PS028410.D	11/11/2024	11/11/2024
CC0R6MS	P4602-41MS	PS028411.D	11/11/2024	11/11/2024
CC0R6MSD	P4602-42MSD	PS028412.D	11/11/2024	11/11/2024

COMMENTS: _____

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PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB164725BL

Lab Name: CHEMTECH

Contract: TETR16

Lab Code: CHEM Case No.: P4602

SAS No.: P4602 SDG NO.: P4602

Lab Sample ID: PB164725BL

Lab File ID: PS028414.D

Matrix: (soil/water) Solid

Extraction: (Type) _____

Sulfur Cleanup: (Y/N) N

Date Extracted: 11/01/2024

Date Analyzed (1): 11/11/2024

Date Analyzed (2): 11/11/2024

Time Analyzed (1): 19:46

Time Analyzed (2): 19:46

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
PB164725BS	PB164725BS	PS028415.D	11/11/2024	11/11/2024
C0P17	P4602-19	PS028416.D	11/11/2024	11/11/2024
CC0P2	P4602-21	PS028419.D	11/11/2024	11/11/2024
CC0P4	P4602-22	PS028420.D	11/11/2024	11/11/2024
CC0P6	P4602-23	PS028421.D	11/11/2024	11/11/2024
CC0P8	P4602-24	PS028422.D	11/11/2024	11/11/2024
CC0Q0	P4602-25	PS028423.D	11/11/2024	11/11/2024
CC0Q2	P4602-26	PS028424.D	11/11/2024	11/11/2024
CC0Q3	P4602-27	PS028425.D	11/12/2024	11/12/2024
CC0Q5	P4602-29	PS028427.D	11/12/2024	11/12/2024
CC0Q7	P4602-30	PS028428.D	11/12/2024	11/12/2024
CC0R1	P4602-33	PS028431.D	11/12/2024	11/12/2024
CC0R2	P4602-34	PS028432.D	11/12/2024	11/12/2024
CC0Q9	P4602-31	PS028433.D	11/12/2024	11/12/2024
CC0R0	P4602-32	PS028434.D	11/12/2024	11/12/2024
CC0P0	P4602-37	PS028435.D	11/12/2024	11/12/2024
CC0P0MS	P4602-38MS	PS028436.D	11/12/2024	11/12/2024
CC0P0MSD	P4602-39MSD	PS028437.D	11/12/2024	11/12/2024
CC0Q4	P4602-28	PS028446.D	11/12/2024	11/12/2024

COMMENTS: _____



QC SAMPLE DATA

Report of Analysis

Client:	Tetra Tech, EMI		Date Collected:		
Project:	R36704		Date Received:		
Client Sample ID:	PB164641BL		SDG No.:	P4602	
Lab Sample ID:	PB164641BL		Matrix:	SOIL	
Analytical Method:	SW8151A		% Solid:	100	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
PS028230.D	1	11/04/24 09:51	11/05/24 22:36	PB164641

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	572		10 - 141	114%	SPK: 500

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Report of Analysis

Client:	Tetra Tech, EMI		Date Collected:		
Project:	R36704		Date Received:		
Client Sample ID:	PB164703BL		SDG No.:	P4602	
Lab Sample ID:	PB164703BL		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
PS028282.D	1	11/06/24 08:40	11/06/24 22:15	PB164703

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	556		10 - 141	111%	SPK: 500

Comments:

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

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

Report of Analysis

Client:	Tetra Tech, EMI		Date Collected:		
Project:	R36704		Date Received:		
Client Sample ID:	PB164725BL		SDG No.:	P4602	
Lab Sample ID:	PB164725BL		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
PS028414.D	1	11/01/24 08:25	11/11/24 19:46	PB164725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	66.9	U	8.70	66.9	ug/Kg
120-36-5	DICHLORPROP	66.9	U	9.50	66.9	ug/Kg
94-75-7	2,4-D	66.9	U	12.1	66.9	ug/Kg
93-72-1	2,4,5-TP (Silvex)	66.9	U	9.40	66.9	ug/Kg
93-76-5	2,4,5-T	66.9	U	10.1	66.9	ug/Kg
94-82-6	2,4-DB	66.9	U	18.3	66.9	ug/Kg
88-85-7	DINOSEB	66.9	U	12.4	66.9	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	558		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

Report of Analysis

Client:	Tetra Tech, EMI		Date Collected:	11/05/24	
Project:	R36704		Date Received:	11/05/24	
Client Sample ID:	PIBLK-PS028217.D		SDG No.:	P4602	
Lab Sample ID:	I.BLK-PS028217.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
PS028217.D	1		11/05/24	PS110524

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	506		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

Report of Analysis

Client:	Tetra Tech, EMI		Date Collected:	11/05/24	
Project:	R36704		Date Received:	11/05/24	
Client Sample ID:	PIBLK-PS028224.D		SDG No.:	P4602	
Lab Sample ID:	I.BLK-PS028224.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
PS028224.D	1		11/05/24	PS110524

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	559		39 - 175	112%	SPK: 500

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Report of Analysis

Client:	Tetra Tech, EMI		Date Collected:	11/06/24	
Project:	R36704		Date Received:	11/06/24	
Client Sample ID:	PIBLK-PS028236.D		SDG No.:	P4602	
Lab Sample ID:	I.BLK-PS028236.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
PS028236.D	1		11/06/24	PS110524

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	573		39 - 175	115%	SPK: 500

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Report of Analysis

Client:	Tetra Tech, EMI		Date Collected:	11/06/24	
Project:	R36704		Date Received:	11/06/24	
Client Sample ID:	PIBLK-PS028252.D		SDG No.:	P4602	
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

Report of Analysis

Client:	Tetra Tech, EMI		Date Collected:	11/06/24	
Project:	R36704		Date Received:	11/06/24	
Client Sample ID:	PIBLK-PS028271.D		SDG No.:	P4602	
Lab Sample ID:	I.BLK-PS028271.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
PS028271.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	519		39 - 175	104%	SPK: 500

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Report of Analysis

Client:	Tetra Tech, EMI		Date Collected:	11/06/24	
Project:	R36704		Date Received:	11/06/24	
Client Sample ID:	PIBLK-PS028283.D		SDG No.:	P4602	
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

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.:	P4602	
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

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.:	P4602	
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

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.:	P4602	
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

Report of Analysis

Client:	Tetra Tech, EMI		Date Collected:	11/11/24	
Project:	R36704		Date Received:	11/11/24	
Client Sample ID:	PIBLK-PS028417.D		SDG No.:	P4602	
Lab Sample ID:	I.BLK-PS028417.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
PS028417.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	513		39 - 175	103%	SPK: 500

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Report of Analysis

Client:	Tetra Tech, EMI		Date Collected:	11/12/24	
Project:	R36704		Date Received:	11/12/24	
Client Sample ID:	PIBLK-PS028429.D		SDG No.:	P4602	
Lab Sample ID:	I.BLK-PS028429.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
PS028429.D	1		11/12/24	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	508		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

Report of Analysis

Client:	Tetra Tech, EMI		Date Collected:	11/12/24	
Project:	R36704		Date Received:	11/12/24	
Client Sample ID:	PIBLK-PS028441.D		SDG No.:	P4602	
Lab Sample ID:	I.BLK-PS028441.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
PS028441.D	1		11/12/24	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	509		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

Report of Analysis

Client:	Tetra Tech, EMI		Date Collected:	11/12/24	
Project:	R36704		Date Received:	11/12/24	
Client Sample ID:	PIBLK-PS028447.D		SDG No.:	P4602	
Lab Sample ID:	I.BLK-PS028447.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
PS028447.D	1		11/12/24	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	497		39 - 175	99%	SPK: 500

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Report of Analysis

Client:	Tetra Tech, EMI		Date Collected:		
Project:	R36704		Date Received:		
Client Sample ID:	PB164641BS		SDG No.:	P4602	
Lab Sample ID:	PB164641BS		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
PS028231.D	1	11/04/24 09:51	11/05/24 23:00	PB164641

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	181		8.70	66.9	ug/Kg
120-36-5	DICHLORPROP	185		9.50	66.9	ug/Kg
94-75-7	2,4-D	186		12.1	66.9	ug/Kg
93-72-1	2,4,5-TP (Silvex)	194		9.40	66.9	ug/Kg
93-76-5	2,4,5-T	193		10.1	66.9	ug/Kg
94-82-6	2,4-DB	188		18.3	66.9	ug/Kg
88-85-7	DINOSEB	197		12.4	66.9	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	573		10 - 141	115%	SPK: 500

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Report of Analysis

Client:	Tetra Tech, EMI		Date Collected:		
Project:	R36704		Date Received:		
Client Sample ID:	PB164703BS		SDG No.:	P4602	
Lab Sample ID:	PB164703BS		Matrix:	SOIL	
Analytical Method:	SW8151A		% Solid:	100	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
PS028285.D	1	11/06/24 08:40	11/06/24 23:51	PB164703

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	174		8.70	67.0	ug/Kg
120-36-5	DICHLORPROP	177		9.50	67.0	ug/Kg
94-75-7	2,4-D	177		12.1	67.0	ug/Kg
93-72-1	2,4,5-TP (Silvex)	182		9.40	67.0	ug/Kg
93-76-5	2,4,5-T	181		10.1	67.0	ug/Kg
94-82-6	2,4-DB	177		18.3	67.0	ug/Kg
88-85-7	DINOSEB	180		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

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P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Report of Analysis

Client:	Tetra Tech, EMI		Date Collected:		
Project:	R36704		Date Received:		
Client Sample ID:	PB164725BS		SDG No.:	P4602	
Lab Sample ID:	PB164725BS		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
PS028415.D	1	11/01/24 08:25	11/11/24 20:10	PB164725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	145		8.70	67.0	ug/Kg
120-36-5	DICHLORPROP	156		9.50	67.0	ug/Kg
94-75-7	2,4-D	170		12.1	67.0	ug/Kg
93-72-1	2,4,5-TP (Silvex)	167		9.40	67.0	ug/Kg
93-76-5	2,4,5-T	153		10.1	67.0	ug/Kg
94-82-6	2,4-DB	132		18.3	67.0	ug/Kg
88-85-7	DINOSEB	140		12.4	67.0	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	555		10 - 141	111%	SPK: 500

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Report of Analysis

Client:	Tetra Tech, EMI		Date Collected:	10/22/24	
Project:	R36704		Date Received:	10/29/24	
Client Sample ID:	CC0P0MS		SDG No.:	P4602	
Lab Sample ID:	P4602-38MS		Matrix:	SOIL	
Analytical Method:	SW8151A		% Solid:	92.8	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
PS028436.D	1	11/01/24 08:25	11/12/24 04:35	PB164725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	41.7	J	9.30	72.1	ug/Kg
120-36-5	DICHLORPROP	23.2	J	10.3	72.1	ug/Kg
94-75-7	2,4-D	52.4	JP	13.0	72.1	ug/Kg
93-72-1	2,4,5-TP (Silvex)	12.8	J	10.1	72.1	ug/Kg
93-76-5	2,4,5-T	19.3	J	10.9	72.1	ug/Kg
94-82-6	2,4-DB	53.7	JP	19.7	72.1	ug/Kg
88-85-7	DINOSEB	13.9	J	13.3	72.1	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	138		10 - 141	28%	SPK: 500

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Report of Analysis

Client:	Tetra Tech, EMI			Date Collected:	10/23/24	
Project:	R36704			Date Received:	10/29/24	
Client Sample ID:	CC0R6MS			SDG No.:	P4602	
Lab Sample ID:	P4602-41MS			Matrix:	SOIL	
Analytical Method:	SW8151A			% Solid:	94.5	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
PS028411.D	1	11/06/24 08:40	11/11/24 18:34	PB164703

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	66.9	J	9.20	70.8	ug/Kg
120-36-5	DICHLORPROP	31.9	J	10.1	70.8	ug/Kg
94-75-7	2,4-D	73.5		12.8	70.8	ug/Kg
93-72-1	2,4,5-TP (Silvex)	23.0	J	9.90	70.8	ug/Kg
93-76-5	2,4,5-T	39.5	J	10.7	70.8	ug/Kg
94-82-6	2,4-DB	20.1	J	19.3	70.8	ug/Kg
88-85-7	DINOSEB	70.8	U	13.1	70.8	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	390		10 - 141	78%	SPK: 500

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Report of Analysis

Client:	Tetra Tech, EMI		Date Collected:	10/23/24	
Project:	R36704		Date Received:	10/29/24	
Client Sample ID:	CC0R8MS		SDG No.:	P4602	
Lab Sample ID:	P4602-44MS		Matrix:	SOIL	
Analytical Method:	SW8151A		% Solid:	91.6	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
PS028408.D	1	11/04/24 09:51	11/11/24 17:21	PB164641

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	78.0		9.50	73.1	ug/Kg
120-36-5	DICHLORPROP	47.0	J	10.4	73.1	ug/Kg
94-75-7	2,4-D	90.4		13.2	73.1	ug/Kg
93-72-1	2,4,5-TP (Silvex)	29.7	J	10.2	73.1	ug/Kg
93-76-5	2,4,5-T	49.4	J	11.0	73.1	ug/Kg
94-82-6	2,4-DB	52.5	JP	20.0	73.1	ug/Kg
88-85-7	DINOSEB	73.1	U	13.5	73.1	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	375		10 - 141	75%	SPK: 500

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Report of Analysis

Client:	Tetra Tech, EMI		Date Collected:	10/22/24	
Project:	R36704		Date Received:	10/29/24	
Client Sample ID:	CC0P0MSD		SDG No.:	P4602	
Lab Sample ID:	P4602-39MSD		Matrix:	SOIL	
Analytical Method:	SW8151A		% Solid:	92.8	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
PS028437.D	1	11/01/24 08:25	11/12/24 04:59	PB164725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	42.0	J	9.30	72.0	ug/Kg
120-36-5	DICHLORPROP	23.6	J	10.3	72.0	ug/Kg
94-75-7	2,4-D	52.7	JP	13.0	72.0	ug/Kg
93-72-1	2,4,5-TP (Silvex)	11.4	J	10.1	72.0	ug/Kg
93-76-5	2,4,5-T	21.3	JP	10.9	72.0	ug/Kg
94-82-6	2,4-DB	51.0	JP	19.7	72.0	ug/Kg
88-85-7	DINOSEB	13.9	J	13.3	72.0	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	137		10 - 141	27%	SPK: 500

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Report of Analysis

Client:	Tetra Tech, EMI			Date Collected:	10/23/24	
Project:	R36704			Date Received:	10/29/24	
Client Sample ID:	CC0R6MSD			SDG No.:	P4602	
Lab Sample ID:	P4602-42MSD			Matrix:	SOIL	
Analytical Method:	SW8151A			% Solid:	94.5	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
PS028412.D	1	11/06/24 08:40	11/11/24 18:58	PB164703

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	67.9	J	9.20	70.8	ug/Kg
120-36-5	DICHLORPROP	32.4	J	10.1	70.8	ug/Kg
94-75-7	2,4-D	74.5		12.8	70.8	ug/Kg
93-72-1	2,4,5-TP (Silvex)	23.3	J	9.90	70.8	ug/Kg
93-76-5	2,4,5-T	40.1	J	10.7	70.8	ug/Kg
94-82-6	2,4-DB	21.3	J	19.3	70.8	ug/Kg
88-85-7	DINOSEB	70.8	U	13.1	70.8	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	396		10 - 141	79%	SPK: 500

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Report of Analysis

Client:	Tetra Tech, EMI			Date Collected:	10/23/24	
Project:	R36704			Date Received:	10/29/24	
Client Sample ID:	CC0R8MSD			SDG No.:	P4602	
Lab Sample ID:	P4602-45MSD			Matrix:	SOIL	
Analytical Method:	SW8151A			% Solid:	91.6	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
PS028409.D	1	11/04/24 09:51	11/11/24 17:45	PB164641

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	78.6		9.50	73.0	ug/Kg
120-36-5	DICHLORPROP	47.4	J	10.4	73.0	ug/Kg
94-75-7	2,4-D	91.1		13.2	73.0	ug/Kg
93-72-1	2,4,5-TP (Silvex)	29.9	J	10.2	73.0	ug/Kg
93-76-5	2,4,5-T	50.0	J	11.0	73.0	ug/Kg
94-82-6	2,4-DB	52.5	JP	20.0	73.0	ug/Kg
88-85-7	DINOSEB	73.0	U	13.5	73.0	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



CALIBRATION SUMMARY

RETENTION TIMES OF INITIAL CALIBRATION

Contract: TETR16

Lab Code: CHEM Case No.: P4602 SAS No.: P4602 SDG NO.: P4602

Instrument ID: ECD_S Calibration Date(s): 11/05/2024 11/05/2024

Calibration Times: 17:47 19:23

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

LAB FILE ID:	RT 200 = <u>PS028218.D</u>	RT 500 = <u>PS028219.D</u>
RT 750 = <u>PS028220.D</u>	RT 1000 = <u>PS028221.D</u>	RT 1500 = <u>PS028222.D</u>

COMPOUND	RT 200	RT 500	RT 750	RT 1000	RT 1500	MEAN RT	RT WINDOW	
							FROM	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	8.40	8.40	8.40	8.40	8.40	8.40	8.30	8.50
2,4-DB	10.15	10.15	10.15	10.15	10.15	10.15	10.05	10.25
2,4-DCAA	7.27	7.27	7.27	7.27	7.27	7.27	7.17	7.37
DICAMBA	7.46	7.46	7.46	7.46	7.46	7.46	7.36	7.56
DICHLORPROP	8.17	8.17	8.17	8.17	8.17	8.17	8.07	8.27
Dinoseb	11.37	11.37	11.37	11.37	11.37	11.37	11.27	11.47

RETENTION TIMES OF INITIAL CALIBRATION

Contract: TETR16

Lab Code: CHEM Case No.: P4602 SAS No.: P4602 SDG NO.: P4602

Instrument ID: ECD_S Calibration Date(s): 11/05/2024 11/05/2024

Calibration Times: 17:47 19:23

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

LAB FILE ID:	RT 200 = <u>PS028218.D</u>	RT 500 = <u>PS028219.D</u>
RT 750 = <u>PS028220.D</u>	RT 1000 = <u>PS028221.D</u>	RT 1500 = <u>PS028222.D</u>

COMPOUND	RT 200	RT 500	RT 750	RT 1000	RT 1500	MEAN RT	RT WINDOW	
							FROM	TO
2,4,5-T	10.35	10.35	10.35	10.35	10.35	10.35	10.25	10.45
2,4,5-TP(Silvex)	9.93	9.93	9.93	9.93	9.93	9.93	9.83	10.03
2,4-D	9.02	9.02	9.02	9.02	9.02	9.02	8.92	9.12
2,4-DB	10.92	10.92	10.92	10.92	10.92	10.92	10.82	11.02
2,4-DCAA	7.77	7.77	7.77	7.77	7.77	7.77	7.67	7.87
DICAMBA	7.97	7.97	7.97	7.97	7.97	7.97	7.87	8.07
DICHLORPROP	8.69	8.69	8.69	8.69	8.69	8.69	8.59	8.79
Dinoseb	11.30	11.30	11.30	11.30	11.30	11.30	11.20	11.40

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: TETR16

Lab Code: CHEM **Case No.:** P4602 **SAS No.:** P4602 **SDG NO.:** P4602

Instrument ID: ECD_S **Calibration Date(s):** 11/05/2024 11/05/2024
Calibration Times: 17:47 19:23

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

LAB FILE ID:		CF 200 = <u>PS028218.D</u>		CF 500 = <u>PS028219.D</u>			
CF 750 = <u>PS028220.D</u>		CF 1000 = <u>PS028221.D</u>		CF 1500 = <u>PS028222.D</u>			
COMPOUND	CF 200	CF 500	CF 750	CF 1000	CF 1500	CF	% RSD
2,4,5-T	10864300000	10379000000	10114700000	10018900000	9708090000	10217000000	4
2,4,5-TP(Silvex)	10665800000	10190300000	9917240000	9798710000	9474280000	10009300000	4
2,4-D	2252390000	2057520000	1979330000	1949790000	1898080000	2027420000	7
2,4-DB	1697290000	1642320000	1626160000	1642090000	1637530000	1649080000	2
2,4-DCAA	2041360000	1838240000	1754050000	1717240000	1664280000	1803030000	8
DICAMBA	8121700000	7919480000	7837710000	7867670000	7746320000	7898580000	2
DICHLORPROP	2027990000	1836850000	1760070000	1730110000	1677860000	1806570000	8
Dinoseb	8016870000	7537200000	7345150000	7403920000	7264640000	7513560000	4

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: TETR16

Lab Code: CHEM **Case No.:** P4602 **SAS No.:** P4602 **SDG NO.:** P4602

Instrument ID: ECD_S **Calibration Date(s):** 11/05/2024 11/05/2024
Calibration Times: 17:47 19:23

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

LAB FILE ID:		CF 200 = <u>PS028218.D</u>		CF 500 = <u>PS028219.D</u>			
CF 750 = <u>PS028220.D</u>		CF 1000 = <u>PS028221.D</u>		CF 1500 = <u>PS028222.D</u>			
COMPOUND	CF 200	CF 500	CF 750	CF 1000	CF 1500	CF	% RSD
2,4,5-T	10795200000	9660240000	9538750000	12245500000	11250900000	10698100000	11
2,4,5-TP(Silvex)	10593300000	9695370000	9709370000	12412100000	11351400000	10752300000	11
2,4-D	1854130000	1747820000	1770940000	2264400000	2112450000	1949950000	12
2,4-DB	1468550000	1179450000	1183330000	1592700000	1506420000	1386090000	14
2,4-DCAA	1511030000	1402620000	1427160000	1797120000	1681510000	1563890000	11
DICAMBA	6474960000	6442200000	6713350000	8487490000	7946070000	7212810000	13
DICHLORPROP	1639070000	1545370000	1572970000	2041660000	1904200000	1740650000	13
Dinoseb	7892400000	6483700000	6408880000	8632200000	8089240000	7501280000	13

RETENTION TIMES OF INITIAL CALIBRATION

Contract: TETR16

Lab Code: CHEM Case No.: P4602 SAS No.: P4602 SDG NO.: P4602

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

Calibration Times: 09:48 11:24

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

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

COMPOUND	RT 200	RT 500	RT 750	RT 1000	RT 1500	MEAN RT	RT WINDOW	
							FROM	TO
2,4,5-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

RETENTION TIMES OF INITIAL CALIBRATION

Contract: TETR16

Lab Code: CHEM Case No.: P4602 SAS No.: P4602 SDG NO.: P4602

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

Calibration Times: 09:48 11:24

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

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

COMPOUND	RT 200	RT 500	RT 750	RT 1000	RT 1500	MEAN RT	RT WINDOW	
							FROM	TO
2,4,5-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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: TETR16

Lab Code: CHEM **Case No.:** P4602 **SAS No.:** P4602 **SDG NO.:** P4602

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

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

LAB FILE ID:		CF 200 = <u>PS028253.D</u>		CF 500 = <u>PS028254.D</u>			
CF 750 = <u>PS028255.D</u>		CF 1000 = <u>PS028256.D</u>		CF 1500 = <u>PS028257.D</u>			
COMPOUND	CF 200	CF 500	CF 750	CF 1000	CF 1500	CF	% RSD
2,4,5-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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: TETR16

Lab Code: CHEM **Case No.:** P4602 **SAS No.:** P4602 **SDG NO.:** P4602

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

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

LAB FILE ID:		CF 200 = <u>PS028253.D</u>		CF 500 = <u>PS028254.D</u>			
CF 750 = <u>PS028255.D</u>		CF 1000 = <u>PS028256.D</u>		CF 1500 = <u>PS028257.D</u>			
COMPOUND	CF 200	CF 500	CF 750	CF 1000	CF 1500	CF	% RSD
2,4,5-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

RETENTION TIMES OF INITIAL CALIBRATION

Contract: TETR16

Lab Code: CHEM Case No.: P4602 SAS No.: P4602 SDG NO.: P4602

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 = <u>PS028356.D</u>	RT 500 = <u>PS028357.D</u>
RT 750 = <u>PS028358.D</u>	RT 1000 = <u>PS028359.D</u>	RT 1500 = <u>PS028360.D</u>

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

RETENTION TIMES OF INITIAL CALIBRATION

Contract: TETR16

Lab Code: CHEM Case No.: P4602 SAS No.: P4602 SDG NO.: P4602

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 = <u>PS028356.D</u>	RT 500 = <u>PS028357.D</u>
	RT 750 = <u>PS028358.D</u>	RT 1000 = <u>PS028359.D</u>
		RT 1500 = <u>PS028360.D</u>

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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: TETR16

Lab Code: CHEM **Case No.:** P4602 **SAS No.:** P4602 **SDG NO.:** P4602

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 = <u>PS028356.D</u>CF 500 = <u>PS028357.D</u> CF 750 = <u>PS028358.D</u>CF 1000 = <u>PS028359.D</u>CF 1500 = <u>PS028360.D</u>							
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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: TETR16

Lab Code: CHEM **Case No.:** P4602 **SAS No.:** P4602 **SDG NO.:** P4602

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 = <u>PS028356.D</u>		CF 500 = <u>PS028357.D</u>			
CF 750 = <u>PS028358.D</u>		CF 1000 = <u>PS028359.D</u>		CF 1500 = <u>PS028360.D</u>			
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

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM Case No.: P4602 SAS No.: P4602 SDG NO.: P4602

Continuing Calib Date: 11/05/2024 Initial Calibration Date(s): 11/05/2024 11/05/2024

Continuing Calib Time: 20:36 Initial Calibration Time(s): 17:47 19:23

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
DICAMBA	7.46	7.46	7.36	7.56	0.01
2,4-DCAA	7.27	7.27	7.17	7.37	0.01
DICHLORPROP	8.17	8.17	8.07	8.27	0.00
2,4-D	8.40	8.40	8.30	8.50	0.00
2,4,5-TP(Silvex)	9.28	9.28	9.18	9.38	0.00
2,4,5-T	9.57	9.57	9.47	9.67	0.00
2,4-DB	10.15	10.15	10.05	10.25	0.00
Dinoseb	11.37	11.37	11.27	11.47	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM Case No.: P4602 SAS No.: P4602 SDG NO.: P4602

Continuing Calib Date: 11/05/2024 Initial Calibration Date(s): 11/05/2024 11/05/2024

Continuing Calib Time: 20:36 Initial Calibration Time(s): 17:47 19:23

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
DICAMBA	7.97	7.97	7.87	8.07	0.00
2,4-DCAA	7.77	7.77	7.67	7.87	0.00
DICHLORPROP	8.69	8.69	8.59	8.79	0.00
2,4-D	9.02	9.02	8.92	9.12	0.00
2,4,5-TP(Silvex)	9.93	9.93	9.83	10.03	0.00
2,4,5-T	10.35	10.35	10.25	10.45	0.00
2,4-DB	10.92	10.92	10.82	11.02	0.00
Dinoseb	11.30	11.30	11.20	11.40	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM Case No.: P4602 SAS No.: P4602 SDG NO.: P4602

GC Column: RTX-CLP ID: 0.32 (mm) Initi. Calib. Date(s): 11/05/2024 11/05/2024

Client Sample No.: CCAL01 Date Analyzed: 11/05/2024

Lab Sample No.: HSTDCCC750 Data File : PS028225.D Time Analyzed: 20:36

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.572	9.473	9.673	760.150	712.500	6.7
2,4,5-TP(Silvex)	9.280	9.181	9.381	761.980	712.500	6.9
2,4-D	8.397	8.298	8.498	729.750	705.000	3.5
2,4-DB	10.150	10.051	10.251	744.440	712.500	4.5
2,4-DCAA	7.265	7.166	7.366	757.410	750.000	1.0
DICAMBA	7.455	7.355	7.555	722.390	705.000	2.5
DICHLORPROP	8.166	8.066	8.266	724.670	705.000	2.8
Dinoseb	11.367	11.268	11.468	760.440	705.000	7.9

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM Case No.: P4602 SAS No.: P4602 SDG NO.: P4602

GC Column: RTX-CLP2 ID: 0.32 (mm) Initi. Calib. Date(s): 11/05/2024 11/05/2024

Client Sample No.: CCAL01 Date Analyzed: 11/05/2024

Lab Sample No.: HSTDCCC750 Data File : PS028225.D Time Analyzed: 20:36

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	10.348	10.248	10.448	781.700	712.500	9.7
2,4,5-TP(Silvex)	9.926	9.826	10.026	788.840	712.500	10.7
2,4-D	9.019	8.919	9.119	776.830	705.000	10.2
2,4-DB	10.916	10.815	11.015	759.470	712.500	6.6
2,4-DCAA	7.768	7.667	7.867	823.610	750.000	9.8
DICAMBA	7.970	7.869	8.069	792.350	705.000	12.4
DICHLORPROP	8.687	8.587	8.787	781.350	705.000	10.8
Dinoseb	11.296	11.196	11.396	772.370	705.000	9.6

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM Case No.: P4602 SAS No.: P4602 SDG NO.: P4602

Continuing Calib Date: 11/06/2024 Initial Calibration Date(s): 11/05/2024 11/05/2024

Continuing Calib Time: 01:24 Initial Calibration Time(s): 17:47 19:23

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
DICAMBA	7.45	7.46	7.36	7.56	0.01
2,4-DCAA	7.27	7.27	7.17	7.37	0.01
DICHLORPROP	8.17	8.17	8.07	8.27	0.00
2,4-D	8.40	8.40	8.30	8.50	0.00
2,4,5-TP(Silvex)	9.28	9.28	9.18	9.38	0.00
2,4,5-T	9.57	9.57	9.47	9.67	0.00
2,4-DB	10.15	10.15	10.05	10.25	0.00
Dinoseb	11.37	11.37	11.27	11.47	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM Case No.: P4602 SAS No.: P4602 SDG NO.: P4602

Continuing Calib Date: 11/06/2024 Initial Calibration Date(s): 11/05/2024 11/05/2024

Continuing Calib Time: 01:24 Initial Calibration Time(s): 17:47 19:23

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
DICAMBA	7.97	7.97	7.87	8.07	0.00
2,4-DCAA	7.77	7.77	7.67	7.87	0.00
DICHLORPROP	8.69	8.69	8.59	8.79	0.00
2,4-D	9.02	9.02	8.92	9.12	0.00
2,4,5-TP(Silvex)	9.93	9.93	9.83	10.03	0.00
2,4,5-T	10.35	10.35	10.25	10.45	0.00
2,4-DB	10.92	10.92	10.82	11.02	0.01
Dinoseb	11.30	11.30	11.20	11.40	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM Case No.: P4602 SAS No.: P4602 SDG NO.: P4602

GC Column: RTX-CLP ID: 0.32 (mm) Initi. Calib. Date(s): 11/05/2024 11/05/2024

Client Sample No.: CCAL02 Date Analyzed: 11/06/2024

Lab Sample No.: HSTDCCC750 Data File : PS028237.D Time Analyzed: 01:24

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.572	9.473	9.673	925.990	712.500	30.0
2,4,5-TP(Silvex)	9.279	9.181	9.381	929.580	712.500	30.5
2,4-D	8.397	8.298	8.498	862.880	705.000	22.4
2,4-DB	10.150	10.051	10.251	933.840	712.500	31.1
2,4-DCAA	7.265	7.166	7.366	976.190	750.000	30.2
DICAMBA	7.454	7.355	7.555	836.620	705.000	18.7
DICHLORPROP	8.166	8.066	8.266	857.570	705.000	21.6
Dinoseb	11.367	11.268	11.468	1004.200	705.000	42.4

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM Case No.: P4602 SAS No.: P4602 SDG NO.: P4602

GC Column: RTX-CLP2 ID: 0.32 (mm) Initi. Calib. Date(s): 11/05/2024 11/05/2024

Client Sample No.: CCAL02 Date Analyzed: 11/06/2024

Lab Sample No.: HSTDCCC750 Data File : PS028237.D Time Analyzed: 01:24

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-T	10.347	10.248	10.448	710.290	712.500	-0.3
2,4,5-TP(Silvex)	9.925	9.826	10.026	718.680	712.500	0.9
2,4-D	9.018	8.919	9.119	726.720	705.000	3.1
2,4-DB	10.915	10.815	11.015	689.350	712.500	-3.2
2,4-DCAA	7.767	7.667	7.867	788.490	750.000	5.1
DICAMBA	7.969	7.869	8.069	753.030	705.000	6.8
DICHLORPROP	8.686	8.587	8.787	733.990	705.000	4.1
Dinoseb	11.295	11.196	11.396	701.600	705.000	-0.5

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM Case No.: P4602 SAS No.: P4602 SDG NO.: P4602

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

Continuing Calib Time: 18:15 Initial Calibration Time(s): 09:48 11:24

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
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)	9.28	9.28	9.18	9.38	0.00
2,4,5-T	9.57	9.57	9.47	9.67	0.00
2,4-DB	10.15	10.15	10.05	10.25	0.00
Dinoseb	11.36	11.36	11.26	11.46	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM Case No.: P4602 SAS No.: P4602 SDG NO.: P4602

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

Continuing Calib Time: 18:15 Initial Calibration Time(s): 09:48 11:24

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
DICAMBA	7.97	7.97	7.87	8.07	0.00
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

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM Case No.: P4602 SAS No.: P4602 SDG NO.: P4602

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

Client Sample No.: CCAL03 Date Analyzed: 11/06/2024

Lab Sample No.: HSTDCCC750 Data File : PS028272.D Time Analyzed: 18:15

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.569	9.469	9.669	753.360	712.500	5.7
2,4,5-TP(Silvex)	9.276	9.177	9.377	748.270	712.500	5.0
2,4-D	8.393	8.294	8.494	733.030	705.000	4.0
2,4-DB	10.146	10.047	10.247	747.020	712.500	4.8
2,4-DCAA	7.261	7.162	7.362	777.510	750.000	3.7
DICAMBA	7.450	7.351	7.551	735.930	705.000	4.4
DICHLORPROP	8.162	8.063	8.263	731.120	705.000	3.7
Dinoseb	11.363	11.264	11.464	750.000	705.000	6.4

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM Case No.: P4602 SAS No.: P4602 SDG NO.: P4602

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

Client Sample No.: CCAL03 Date Analyzed: 11/06/2024

Lab Sample No.: HSTDCCC750 Data File : PS028272.D Time Analyzed: 18:15

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	10.343	10.244	10.444	729.980	712.500	2.5
2,4,5-TP(Silvex)	9.922	9.823	10.023	740.260	712.500	3.9
2,4-D	9.014	8.915	9.115	721.950	705.000	2.4
2,4-DB	10.911	10.812	11.012	719.940	712.500	1.0
2,4-DCAA	7.764	7.665	7.865	776.030	750.000	3.5
DICAMBA	7.966	7.867	8.067	748.120	705.000	6.1
DICHLORPROP	8.683	8.584	8.784	731.010	705.000	3.7
Dinoseb	11.291	11.191	11.391	715.080	705.000	1.4

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM Case No.: P4602 SAS No.: P4602 SDG NO.: P4602

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		DIFF RT
			FROM	TO	
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

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM Case No.: P4602 SAS No.: P4602 SDG NO.: P4602

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		DIFF RT
			FROM	TO	
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

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM Case No.: P4602 SAS No.: P4602 SDG NO.: P4602

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

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

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

COMPOUND	RT	RT WINDOW FROM 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

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM Case No.: P4602 SAS No.: P4602 SDG NO.: P4602

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

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

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

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

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM Case No.: P4602 SAS No.: P4602 SDG NO.: P4602

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		DIFF RT
			FROM	TO	
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

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM Case No.: P4602 SAS No.: P4602 SDG NO.: P4602

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		DIFF RT
			FROM	TO	
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

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM Case No.: P4602 SAS No.: P4602 SDG NO.: P4602

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

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

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

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

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM Case No.: P4602 SAS No.: P4602 SDG NO.: P4602

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

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

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

COMPOUND	RT	RT WINDOW FROM 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

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM Case No.: P4602 SAS No.: P4602 SDG NO.: P4602

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		DIFF RT
			FROM	TO	
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

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM Case No.: P4602 SAS No.: P4602 SDG NO.: P4602

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		DIFF RT
			FROM	TO	
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

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM Case No.: P4602 SAS No.: P4602 SDG NO.: P4602

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

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

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

COMPOUND	RT	RT WINDOW FROM 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

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM Case No.: P4602 SAS No.: P4602 SDG NO.: P4602

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

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

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

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
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	9.000	8.905	9.105	665.620	705.000	-5.6
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

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM Case No.: P4602 SAS No.: P4602 SDG NO.: P4602

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

Continuing Calib Time: 21:22 Initial Calibration Time(s): 15:13 16:58

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
DICAMBA	7.43	7.44	7.34	7.54	0.01
2,4-DCAA	7.25	7.25	7.15	7.35	0.01
DICHLORPROP	8.14	8.15	8.05	8.25	0.01
2,4-D	8.37	8.38	8.28	8.48	0.01
2,4,5-TP(Silvex)	9.25	9.26	9.16	9.36	0.01
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

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM Case No.: P4602 SAS No.: P4602 SDG NO.: P4602

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

Continuing Calib Time: 21:22 Initial Calibration Time(s): 15:13 16:58

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
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	10.89	10.90	10.80	11.00	0.01
Dinoseb	11.27	11.28	11.18	11.38	0.01

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM Case No.: P4602 SAS No.: P4602 SDG NO.: P4602

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

Client Sample No.: CCAL07 Date Analyzed: 11/11/2024

Lab Sample No.: HSTDCCC750 Data File : PS028418.D Time Analyzed: 21:22

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-T	9.547	9.452	9.652	736.420	712.500	3.4
2,4,5-TP(Silvex)	9.254	9.160	9.360	736.480	712.500	3.4
2,4-D	8.374	8.279	8.479	714.440	705.000	1.3
2,4-DB	10.123	10.029	10.229	702.180	712.500	-1.4
2,4-DCAA	7.245	7.150	7.350	742.700	750.000	-1.0
DICAMBA	7.434	7.338	7.538	731.350	705.000	3.7
DICHLORPROP	8.143	8.048	8.248	717.160	705.000	1.7
Dinoseb	11.337	11.245	11.445	726.290	705.000	3.0

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM Case No.: P4602 SAS No.: P4602 SDG NO.: P4602

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

Client Sample No.: CCAL07 Date Analyzed: 11/11/2024

Lab Sample No.: HSTDCCC750 Data File : PS028418.D Time Analyzed: 21:22

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	10.327	10.233	10.433	678.220	712.500	-4.8
2,4,5-TP(Silvex)	9.906	9.811	10.011	677.390	712.500	-4.9
2,4-D	9.000	8.905	9.105	636.580	705.000	-9.7
2,4-DB	10.894	10.800	11.000	666.670	712.500	-6.4
2,4-DCAA	7.751	7.655	7.855	698.440	750.000	-6.9
DICAMBA	7.952	7.856	8.056	673.550	705.000	-4.5
DICHLORPROP	8.669	8.573	8.773	656.760	705.000	-6.8
Dinoseb	11.274	11.180	11.380	666.370	705.000	-5.5

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM Case No.: P4602 SAS No.: P4602 SDG NO.: P4602

Continuing Calib Date: 11/12/2024 Initial Calibration Date(s): 11/08/2024 11/08/2024

Continuing Calib Time: 02:11 Initial Calibration Time(s): 15:13 16:58

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
DICAMBA	7.43	7.44	7.34	7.54	0.01
2,4-DCAA	7.24	7.25	7.15	7.35	0.01
DICHLORPROP	8.14	8.15	8.05	8.25	0.01
2,4-D	8.37	8.38	8.28	8.48	0.01
2,4,5-TP(Silvex)	9.25	9.26	9.16	9.36	0.01
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

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM Case No.: P4602 SAS No.: P4602 SDG NO.: P4602

Continuing Calib Date: 11/12/2024 Initial Calibration Date(s): 11/08/2024 11/08/2024

Continuing Calib Time: 02:11 Initial Calibration Time(s): 15:13 16:58

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
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	10.89	10.90	10.80	11.00	0.01
Dinoseb	11.27	11.28	11.18	11.38	0.01

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM Case No.: P4602 SAS No.: P4602 SDG NO.: P4602

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

Client Sample No.: CCAL08 Date Analyzed: 11/12/2024

Lab Sample No.: HSTDCCC750 Data File : PS028430.D Time Analyzed: 02:11

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-T	9.545	9.452	9.652	724.840	712.500	1.7
2,4,5-TP(Silvex)	9.252	9.160	9.360	724.670	712.500	1.7
2,4-D	8.373	8.279	8.479	704.430	705.000	-0.1
2,4-DB	10.121	10.029	10.229	680.020	712.500	-4.6
2,4-DCAA	7.244	7.150	7.350	745.790	750.000	-0.6
DICAMBA	7.432	7.338	7.538	720.640	705.000	2.2
DICHLORPROP	8.141	8.048	8.248	709.240	705.000	0.6
Dinoseb	11.335	11.245	11.445	713.990	705.000	1.3

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM Case No.: P4602 SAS No.: P4602 SDG NO.: P4602

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

Client Sample No.: CCAL08 Date Analyzed: 11/12/2024

Lab Sample No.: HSTDCCC750 Data File : PS028430.D Time Analyzed: 02:11

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-T	10.326	10.233	10.433	666.200	712.500	-6.5
2,4,5-TP(Silvex)	9.906	9.811	10.011	665.210	712.500	-6.6
2,4-D	8.999	8.905	9.105	614.680	705.000	-12.8
2,4-DB	10.894	10.800	11.000	644.510	712.500	-9.5
2,4-DCAA	7.750	7.655	7.855	684.690	750.000	-8.7
DICAMBA	7.951	7.856	8.056	662.040	705.000	-6.1
DICHLORPROP	8.668	8.573	8.773	643.140	705.000	-8.8
Dinoseb	11.274	11.180	11.380	655.310	705.000	-7.0

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM Case No.: P4602 SAS No.: P4602 SDG NO.: P4602

Continuing Calib Date: 11/12/2024 Initial Calibration Date(s): 11/08/2024 11/08/2024

Continuing Calib Time: 06:59 Initial Calibration Time(s): 15:13 16:58

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
DICAMBA	7.43	7.44	7.34	7.54	0.01
2,4-DCAA	7.24	7.25	7.15	7.35	0.01
DICHLORPROP	8.14	8.15	8.05	8.25	0.01
2,4-D	8.37	8.38	8.28	8.48	0.01
2,4,5-TP(Silvex)	9.25	9.26	9.16	9.36	0.01
2,4,5-T	9.54	9.55	9.45	9.65	0.01
2,4-DB	10.12	10.13	10.03	10.23	0.01
Dinoseb	11.33	11.35	11.25	11.45	0.02

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM Case No.: P4602 SAS No.: P4602 SDG NO.: P4602

Continuing Calib Date: 11/12/2024 Initial Calibration Date(s): 11/08/2024 11/08/2024

Continuing Calib Time: 06:59 Initial Calibration Time(s): 15:13 16:58

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
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	0.01
2,4-D	9.00	9.01	8.91	9.11	0.02
2,4,5-TP(Silvex)	9.90	9.91	9.81	10.01	0.01
2,4,5-T	10.32	10.33	10.23	10.43	0.01
2,4-DB	10.89	10.90	10.80	11.00	0.01
Dinoseb	11.27	11.28	11.18	11.38	0.01

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM Case No.: P4602 SAS No.: P4602 SDG NO.: P4602

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

Client Sample No.: CCAL09 Date Analyzed: 11/12/2024

Lab Sample No.: HSTDCCC750 Data File : PS028442.D Time Analyzed: 06:59

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.542	9.452	9.652	726.580	712.500	2.0
2,4,5-TP(Silvex)	9.249	9.160	9.360	728.750	712.500	2.3
2,4-D	8.370	8.279	8.479	705.610	705.000	0.1
2,4-DB	10.118	10.029	10.229	661.620	712.500	-7.1
2,4-DCAA	7.242	7.150	7.350	746.620	750.000	-0.5
DICAMBA	7.430	7.338	7.538	722.500	705.000	2.5
DICHLORPROP	8.139	8.048	8.248	709.750	705.000	0.7
Dinoseb	11.332	11.245	11.445	716.220	705.000	1.6

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM Case No.: P4602 SAS No.: P4602 SDG NO.: P4602

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

Client Sample No.: CCAL09 Date Analyzed: 11/12/2024

Lab Sample No.: HSTDCCC750 Data File : PS028442.D Time Analyzed: 06:59

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	10.323	10.233	10.433	659.950	712.500	-7.4
2,4,5-TP(Silvex)	9.902	9.811	10.011	654.880	712.500	-8.1
2,4-D	8.995	8.905	9.105	653.430	705.000	-7.3
2,4-DB	10.890	10.800	11.000	646.400	712.500	-9.3
2,4-DCAA	7.748	7.655	7.855	679.110	750.000	-9.5
DICAMBA	7.949	7.856	8.056	655.240	705.000	-7.1
DICHLORPROP	8.665	8.573	8.773	631.600	705.000	-10.4
Dinoseb	11.270	11.180	11.380	647.110	705.000	-8.2

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM Case No.: P4602 SAS No.: P4602 SDG NO.: P4602

Continuing Calib Date: 11/12/2024 Initial Calibration Date(s): 11/08/2024 11/08/2024

Continuing Calib Time: 09:52 Initial Calibration Time(s): 15:13 16:58

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
DICAMBA	7.43	7.44	7.34	7.54	0.01
2,4-DCAA	7.24	7.25	7.15	7.35	0.01
DICHLORPROP	8.14	8.15	8.05	8.25	0.01
2,4-D	8.37	8.38	8.28	8.48	0.01
2,4,5-TP(Silvex)	9.25	9.26	9.16	9.36	0.01
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

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM Case No.: P4602 SAS No.: P4602 SDG NO.: P4602

Continuing Calib Date: 11/12/2024 Initial Calibration Date(s): 11/08/2024 11/08/2024

Continuing Calib Time: 09:52 Initial Calibration Time(s): 15:13 16:58

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
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)	9.90	9.91	9.81	10.01	0.01
2,4,5-T	10.32	10.33	10.23	10.43	0.01
2,4-DB	10.89	10.90	10.80	11.00	0.01
Dinoseb	11.27	11.28	11.18	11.38	0.01

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM Case No.: P4602 SAS No.: P4602 SDG NO.: P4602

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

Client Sample No.: CCAL10 Date Analyzed: 11/12/2024

Lab Sample No.: HSTDCCC750 Data File : PS028448.D Time Analyzed: 09:52

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-T	9.548	9.452	9.652	710.480	712.500	-0.3
2,4,5-TP(Silvex)	9.254	9.160	9.360	711.720	712.500	-0.1
2,4-D	8.374	8.279	8.479	689.320	705.000	-2.2
2,4-DB	10.124	10.029	10.229	688.180	712.500	-3.4
2,4-DCAA	7.244	7.150	7.350	824.620	750.000	9.9
DICAMBA	7.433	7.338	7.538	704.520	705.000	-0.1
DICHLORPROP	8.143	8.048	8.248	691.900	705.000	-1.9
Dinoseb	11.340	11.245	11.445	696.080	705.000	-1.3

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM Case No.: P4602 SAS No.: P4602 SDG NO.: P4602

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

Client Sample No.: CCAL10 Date Analyzed: 11/12/2024

Lab Sample No.: HSTDCCC750 Data File : PS028448.D Time Analyzed: 09:52

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-T	10.324	10.233	10.433	650.410	712.500	-8.7
2,4,5-TP(Silvex)	9.904	9.811	10.011	647.470	712.500	-9.1
2,4-D	8.997	8.905	9.105	631.840	705.000	-10.4
2,4-DB	10.892	10.800	11.000	622.480	712.500	-12.6
2,4-DCAA	7.748	7.655	7.855	662.720	750.000	-11.6
DICAMBA	7.949	7.856	8.056	640.850	705.000	-9.1
DICHLORPROP	8.666	8.573	8.773	618.400	705.000	-12.3
Dinoseb	11.273	11.180	11.380	633.710	705.000	-10.1

Analytical Sequence

Client: Tetra Tech, EMI

SDG No.: P4602

Project: R36704

Instrument ID: ECD_S

GC Column: RTX-CLP

ID: 0.32 (mm)

Inst. Calib. Date(s): 11/05/2024

11/05/2024

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

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCAA RT #	RT #
IBLK	IBLK	11/05/2024	17:23	PS028217.D	7.27	0.00
HSTDICC200	HSTDICC200	11/05/2024	17:47	PS028218.D	7.27	0.00
HSTDICC500	HSTDICC500	11/05/2024	18:11	PS028219.D	7.27	0.00
HSTDICC750	HSTDICC750	11/05/2024	18:36	PS028220.D	7.27	0.00
HSTDICC1000	HSTDICC1000	11/05/2024	18:59	PS028221.D	7.27	0.00
HSTDICC1500	HSTDICC1500	11/05/2024	19:23	PS028222.D	7.27	0.00
IBLK	IBLK	11/05/2024	20:12	PS028224.D	7.27	0.00
HSTDCCC750	HSTDCCC750	11/05/2024	20:36	PS028225.D	7.27	0.00
PB164641BL	PB164641BL	11/05/2024	22:36	PS028230.D	7.26	0.00
PB164641BS	PB164641BS	11/05/2024	23:00	PS028231.D	7.27	0.00
IBLK	IBLK	11/06/2024	01:00	PS028236.D	7.26	0.00
HSTDCCC750	HSTDCCC750	11/06/2024	01:24	PS028237.D	7.27	0.00
IBLK	IBLK	11/06/2024	09:24	PS028252.D	7.26	0.00
HSTDICC200	HSTDICC200	11/06/2024	09:48	PS028253.D	7.26	0.00
HSTDICC500	HSTDICC500	11/06/2024	10:12	PS028254.D	7.26	0.00
HSTDICC750	HSTDICC750	11/06/2024	10:36	PS028255.D	7.26	0.00
HSTDICC1000	HSTDICC1000	11/06/2024	11:00	PS028256.D	7.26	0.00
HSTDICC1500	HSTDICC1500	11/06/2024	11:24	PS028257.D	7.26	0.00
IBLK	IBLK	11/06/2024	17:51	PS028271.D	7.26	0.00
HSTDCCC750	HSTDCCC750	11/06/2024	18:15	PS028272.D	7.26	0.00
PB164703BL	PB164703BL	11/06/2024	22:15	PS028282.D	7.26	0.00
IBLK	IBLK	11/06/2024	22:39	PS028283.D	7.26	0.00
HSTDCCC750	HSTDCCC750	11/06/2024	23:03	PS028284.D	7.26	0.00
PB164703BS	PB164703BS	11/06/2024	23:51	PS028285.D	7.26	0.00
IBLK	IBLK	11/07/2024	04:16	PS028296.D	7.26	0.00
HSTDCCC750	HSTDCCC750	11/07/2024	04:40	PS028297.D	7.26	0.00
IBLK	IBLK	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
IBLK	IBLK	11/11/2024	16:09	PS028405.D	7.25	0.00
HSTDCCC750	HSTDCCC750	11/11/2024	16:33	PS028406.D	7.25	0.00
CC0R8	P4602-43	11/11/2024	16:57	PS028407.D	7.25	0.00
CC0R8MS	P4602-44MS	11/11/2024	17:21	PS028408.D	7.25	0.00
CC0R8MSD	P4602-45MSD	11/11/2024	17:45	PS028409.D	7.24	0.00
CC0R6	P4602-40	11/11/2024	18:10	PS028410.D	7.25	0.00
CC0R6MS	P4602-41MS	11/11/2024	18:34	PS028411.D	7.24	0.00
CC0R6MSD	P4602-42MSD	11/11/2024	18:58	PS028412.D	7.24	0.00
PB164725BL	PB164725BL	11/11/2024	19:46	PS028414.D	7.25	0.00
PB164725BS	PB164725BS	11/11/2024	20:10	PS028415.D	7.25	0.00

Analytical Sequence

CC0P17	P4602-19	11/11/2024	20:34	PS028416.D	7.24	0.00
LBLK	LBLK	11/11/2024	20:58	PS028417.D	7.25	0.00
HSTDCCC750	HSTDCCC750	11/11/2024	21:22	PS028418.D	7.25	0.00
CC0P2	P4602-21	11/11/2024	21:46	PS028419.D	7.24	0.00
CC0P4	P4602-22	11/11/2024	22:10	PS028420.D	7.24	0.00
CC0P6	P4602-23	11/11/2024	22:34	PS028421.D	7.24	0.00
CC0P8	P4602-24	11/11/2024	22:58	PS028422.D	7.24	0.00
CC0Q0	P4602-25	11/11/2024	23:22	PS028423.D	7.24	0.00
CC0Q2	P4602-26	11/11/2024	23:46	PS028424.D	7.24	0.00
CC0Q3	P4602-27	11/12/2024	00:10	PS028425.D	7.24	0.00
CC0Q5	P4602-29	11/12/2024	00:58	PS028427.D	7.24	0.00
CC0Q7	P4602-30	11/12/2024	01:23	PS028428.D	7.24	0.00
LBLK	LBLK	11/12/2024	01:47	PS028429.D	7.24	0.00
HSTDCCC750	HSTDCCC750	11/12/2024	02:11	PS028430.D	7.24	0.00
CC0R1	P4602-33	11/12/2024	02:35	PS028431.D	7.24	0.00
CC0R2	P4602-34	11/12/2024	02:59	PS028432.D	7.24	0.00
CC0Q9	P4602-31	11/12/2024	03:23	PS028433.D	7.24	0.00
CC0R0	P4602-32	11/12/2024	03:47	PS028434.D	7.24	0.00
CC0P0	P4602-37	11/12/2024	04:11	PS028435.D	7.24	0.00
CC0P0MS	P4602-38MS	11/12/2024	04:35	PS028436.D	7.24	0.00
CC0P0MSD	P4602-39MSD	11/12/2024	04:59	PS028437.D	7.24	0.00
LBLK	LBLK	11/12/2024	06:35	PS028441.D	7.24	0.00
HSTDCCC750	HSTDCCC750	11/12/2024	06:59	PS028442.D	7.24	0.00
CC0Q4	P4602-28	11/12/2024	09:04	PS028446.D	7.25	0.00
LBLK	LBLK	11/12/2024	09:28	PS028447.D	7.24	0.00
HSTDCCC750	HSTDCCC750	11/12/2024	09:52	PS028448.D	7.24	0.00

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Analytical Sequence

Client: Tetra Tech, EMI

SDG No.: P4602

Project: R36704

Instrument ID: ECD_S

GC Column: RTX-CLP2

ID: 0.32 (mm)

Inst. Calib. Date(s): 11/05/2024

11/05/2024

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

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCAA RT #	RT #
IBLK	IBLK	11/05/2024	17:23	PS028217.D	7.77	0.00
HSTDICC200	HSTDICC200	11/05/2024	17:47	PS028218.D	7.77	0.00
HSTDICC500	HSTDICC500	11/05/2024	18:11	PS028219.D	7.77	0.00
HSTDICC750	HSTDICC750	11/05/2024	18:36	PS028220.D	7.77	0.00
HSTDICC1000	HSTDICC1000	11/05/2024	18:59	PS028221.D	7.77	0.00
HSTDICC1500	HSTDICC1500	11/05/2024	19:23	PS028222.D	7.77	0.00
IBLK	IBLK	11/05/2024	20:12	PS028224.D	7.77	0.00
HSTDCCC750	HSTDCCC750	11/05/2024	20:36	PS028225.D	7.77	0.00
PB164641BL	PB164641BL	11/05/2024	22:36	PS028230.D	7.77	0.00
PB164641BS	PB164641BS	11/05/2024	23:00	PS028231.D	7.77	0.00
IBLK	IBLK	11/06/2024	01:00	PS028236.D	7.77	0.00
HSTDCCC750	HSTDCCC750	11/06/2024	01:24	PS028237.D	7.77	0.00
IBLK	IBLK	11/06/2024	09:24	PS028252.D	7.76	0.00
HSTDICC200	HSTDICC200	11/06/2024	09:48	PS028253.D	7.77	0.00
HSTDICC500	HSTDICC500	11/06/2024	10:12	PS028254.D	7.77	0.00
HSTDICC750	HSTDICC750	11/06/2024	10:36	PS028255.D	7.77	0.00
HSTDICC1000	HSTDICC1000	11/06/2024	11:00	PS028256.D	7.77	0.00
HSTDICC1500	HSTDICC1500	11/06/2024	11:24	PS028257.D	7.77	0.00
IBLK	IBLK	11/06/2024	17:51	PS028271.D	7.76	0.00
HSTDCCC750	HSTDCCC750	11/06/2024	18:15	PS028272.D	7.76	0.00
PB164703BL	PB164703BL	11/06/2024	22:15	PS028282.D	7.76	0.00
IBLK	IBLK	11/06/2024	22:39	PS028283.D	7.76	0.00
HSTDCCC750	HSTDCCC750	11/06/2024	23:03	PS028284.D	7.76	0.00
PB164703BS	PB164703BS	11/06/2024	23:51	PS028285.D	7.76	0.00
IBLK	IBLK	11/07/2024	04:16	PS028296.D	7.76	0.00
HSTDCCC750	HSTDCCC750	11/07/2024	04:40	PS028297.D	7.76	0.00
IBLK	IBLK	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
IBLK	IBLK	11/11/2024	16:09	PS028405.D	7.75	0.00
HSTDCCC750	HSTDCCC750	11/11/2024	16:33	PS028406.D	7.75	0.00
CC0R8	P4602-43	11/11/2024	16:57	PS028407.D	7.75	0.00
CC0R8MS	P4602-44MS	11/11/2024	17:21	PS028408.D	7.75	0.00
CC0R8MSD	P4602-45MSD	11/11/2024	17:45	PS028409.D	7.75	0.00
CC0R6	P4602-40	11/11/2024	18:10	PS028410.D	7.75	0.00
CC0R6MS	P4602-41MS	11/11/2024	18:34	PS028411.D	7.75	0.00
CC0R6MSD	P4602-42MSD	11/11/2024	18:58	PS028412.D	7.75	0.00
PB164725BL	PB164725BL	11/11/2024	19:46	PS028414.D	7.75	0.00
PB164725BS	PB164725BS	11/11/2024	20:10	PS028415.D	7.75	0.00

Analytical Sequence

CC0P17	P4602-19	11/11/2024	20:34	PS028416.D	7.75	0.00
LBLK	LBLK	11/11/2024	20:58	PS028417.D	7.75	0.00
HSTDCCC750	HSTDCCC750	11/11/2024	21:22	PS028418.D	7.75	0.00
CC0P2	P4602-21	11/11/2024	21:46	PS028419.D	7.75	0.00
CC0P4	P4602-22	11/11/2024	22:10	PS028420.D	7.75	0.00
CC0P6	P4602-23	11/11/2024	22:34	PS028421.D	7.75	0.00
CC0P8	P4602-24	11/11/2024	22:58	PS028422.D	7.75	0.00
CC0Q0	P4602-25	11/11/2024	23:22	PS028423.D	7.75	0.00
CC0Q2	P4602-26	11/11/2024	23:46	PS028424.D	7.75	0.00
CC0Q3	P4602-27	11/12/2024	00:10	PS028425.D	7.75	0.00
CC0Q5	P4602-29	11/12/2024	00:58	PS028427.D	7.75	0.00
CC0Q7	P4602-30	11/12/2024	01:23	PS028428.D	7.75	0.00
LBLK	LBLK	11/12/2024	01:47	PS028429.D	7.75	0.00
HSTDCCC750	HSTDCCC750	11/12/2024	02:11	PS028430.D	7.75	0.00
CC0R1	P4602-33	11/12/2024	02:35	PS028431.D	7.75	0.00
CC0R2	P4602-34	11/12/2024	02:59	PS028432.D	7.75	0.00
CC0Q9	P4602-31	11/12/2024	03:23	PS028433.D	7.75	0.00
CC0R0	P4602-32	11/12/2024	03:47	PS028434.D	7.75	0.00
CC0P0	P4602-37	11/12/2024	04:11	PS028435.D	7.75	0.00
CC0P0MS	P4602-38MS	11/12/2024	04:35	PS028436.D	7.75	0.00
CC0P0MSD	P4602-39MSD	11/12/2024	04:59	PS028437.D	7.75	0.00
LBLK	LBLK	11/12/2024	06:35	PS028441.D	7.75	0.00
HSTDCCC750	HSTDCCC750	11/12/2024	06:59	PS028442.D	7.75	0.00
CC0Q4	P4602-28	11/12/2024	09:04	PS028446.D	7.75	0.00
LBLK	LBLK	11/12/2024	09:28	PS028447.D	7.75	0.00
HSTDCCC750	HSTDCCC750	11/12/2024	09:52	PS028448.D	7.75	0.00

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

CC0P0MS

Contract: TETR16

Lab Code: CHEM

Case No.: P4602

SAS No.: P4602

SDG NO.: P4602

Lab Sample ID: P4602-38MS

Date(s) Analyzed: 11/12/2024

11/12/2024

Instrument ID (1): ECD_S

Instrument ID (2): ECD_S

GC Column: (1): RTX-CLP

ID: 0.32 (mm)

GC Column: (2): RTX-CLP2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
2,4,5-TP(Silvex)	1	9.25	9.20	9.30	11.7	9
	2	9.90	9.85	9.95	12.8	
2,4,5-T	1	9.54	9.49	9.59	15.8	19.9
	2	10.32	10.27	10.37	19.3	
DICHLORPROP	1	8.14	8.09	8.19	23.2	9.5
	2	8.67	8.62	8.72	21.1	
2,4-D	1	8.37	8.32	8.42	52.4	34.7
	2	9.00	8.95	9.05	36.9	
2,4-DB	1	10.11	10.06	10.16	23.4	78.6
	2	10.89	10.84	10.94	53.7	
DICAMBA	1	7.43	7.38	7.48	41.7	15.5
	2	7.95	7.90	8.00	35.7	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

CC0P0MSD

Contract: TETR16

Lab Code: CHEM

Case No.: P4602

SAS No.: P4602

SDG NO.: P4602

Lab Sample ID: P4602-39MSD

Date(s) Analyzed: 11/12/2024

11/12/2024

Instrument ID (1): ECD_S

Instrument ID (2): ECD_S

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
DICHLORPROP	1	8.14	8.09	8.19	23.6	11.7
	2	8.67	8.62	8.72	21.0	
2,4-D	1	8.37	8.32	8.42	52.7	35.3
	2	9.00	8.95	9.05	36.9	
2,4,5-TP(Silvex)	1	9.25	9.20	9.30	11.4	2.7
	2	9.90	9.85	9.95	11.1	
2,4,5-T	1	9.54	9.49	9.59	15.8	29.6
	2	10.32	10.27	10.37	21.3	
2,4-DB	1	10.11	10.06	10.16	22.1	79.1
	2	10.89	10.84	10.94	51.0	
DICAMBA	1	7.43	7.38	7.48	42.0	16.2
	2	7.95	7.90	8.00	35.7	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

CC0R6MS

Contract: TETR16

Lab Code: CHEM

Case No.: P4602

SAS No.: P4602

SDG NO.: P4602

Lab Sample ID: P4602-41MS

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		CONCENTRATION	%RPD
			FROM	TO		
DICHLORPROP	1	8.14	8.09	8.19	31.9	0.9
	2	8.67	8.62	8.72	31.6	
2,4-D	1	8.37	8.32	8.42	73.5	13.4
	2	9.00	8.95	9.05	64.3	
2,4,5-TP(Silvex)	1	9.25	9.20	9.30	23.0	5.8
	2	9.91	9.86	9.96	21.7	
2,4,5-T	1	9.55	9.50	9.60	34.5	13.5
	2	10.33	10.28	10.38	39.5	
DICAMBA	1	7.43	7.38	7.48	66.9	9.9
	2	7.95	7.90	8.00	60.6	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

CC0R6MSD

Contract: TETR16

Lab Code: CHEM

Case No.: P4602

SAS No.: P4602

SDG NO.: P4602

Lab Sample ID: P4602-42MSD

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		CONCENTRATION	%RPD
			FROM	TO		
DICHLORPROP	1	8.14	8.09	8.19	32.4	0.9
	2	8.67	8.62	8.72	32.1	
2,4-D	1	8.37	8.32	8.42	74.5	16.4
	2	9.00	8.95	9.05	63.2	
2,4,5-TP(Silvex)	1	9.25	9.20	9.30	22.9	1.7
	2	9.91	9.86	9.96	23.3	
2,4,5-T	1	9.55	9.50	9.60	34.9	13.9
	2	10.33	10.28	10.38	40.1	
DICAMBA	1	7.43	7.38	7.48	67.9	9.9
	2	7.95	7.90	8.00	61.5	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

CC0R8MS

Contract: TETR16

Lab Code: CHEM

Case No.: P4602

SAS No.: P4602

SDG NO.: P4602

Lab Sample ID: P4602-44MS

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		CONCENTRATION	%RPD
			FROM	TO		
DICHLORPROP	1	8.14	8.09	8.19	47.0	7.5
	2	8.67	8.62	8.72	43.6	
2,4-D	1	8.38	8.33	8.43	90.4	18.8
	2	9.00	8.95	9.05	74.9	
2,4,5-TP(Silvex)	1	9.26	9.21	9.31	28.0	5.9
	2	9.91	9.86	9.96	29.7	
2,4,5-T	1	9.55	9.50	9.60	47.0	5
	2	10.33	10.28	10.38	49.4	
2,4-DB	1	10.12	10.07	10.17	35.5	38.6
	2	10.89	10.84	10.94	52.5	
DICAMBA	1	7.43	7.38	7.48	78.0	8.1
	2	7.95	7.90	8.00	71.9	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

CC0R8MSD

Contract: TETR16

Lab Code: CHEM

Case No.: P4602

SAS No.: P4602

SDG NO.: P4602

Lab Sample ID: P4602-45MSD

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		CONCENTRATION	%RPD
			FROM	TO		
DICAMBA	1	7.43	7.38	7.48	78.6	8.2
	2	7.95	7.90	8.00	72.4	
DICHLORPROP	1	8.14	8.09	8.19	47.4	7
	2	8.67	8.62	8.72	44.2	
2,4-D	1	8.37	8.32	8.42	91.1	19.1
	2	9.00	8.95	9.05	75.2	
2,4,5-TP(Silvex)	1	9.26	9.21	9.31	28.1	6.2
	2	9.91	9.86	9.96	29.9	
2,4,5-T	1	9.55	9.50	9.60	47.3	5.5
	2	10.33	10.28	10.38	50.0	
2,4-DB	1	10.12	10.07	10.17	34.9	40.3
	2	10.89	10.84	10.94	52.5	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB164641BS

Contract: TETR16

Lab Code: CHEM

Case No.: P4602

SAS No.: P4602

SDG NO.: P4602

Lab Sample ID: PB164641BS

Date(s) Analyzed: 11/05/2024

11/05/2024

Instrument ID (1): ECD_S

Instrument ID (2): ECD_S

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
DICHLORPROP	1	8.17	8.12	8.22	185	2.7
	2	8.69	8.64	8.74	180	
2,4-D	1	8.40	8.35	8.45	186	5.5
	2	9.02	8.97	9.07	176	
2,4,5-TP(Silvex)	1	9.28	9.23	9.33	194	8.6
	2	9.93	9.88	9.98	178	
2,4,5-T	1	9.57	9.52	9.62	193	9.8
	2	10.35	10.30	10.40	175	
2,4-DB	1	10.15	10.10	10.20	188	13.6
	2	10.92	10.87	10.97	164	
Dinoseb	1	11.37	11.32	11.42	197	15.9
	2	11.30	11.25	11.35	168	
DICAMBA	1	7.46	7.41	7.51	179	1.1
	2	7.97	7.92	8.02	181	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB164703BS

Contract: TETR16

Lab Code: CHEM

Case No.: P4602

SAS No.: P4602

SDG NO.: P4602

Lab Sample ID: PB164703BS

Date(s) Analyzed: 11/06/2024

11/06/2024

Instrument ID (1): ECD_S

Instrument ID (2): ECD_S

GC Column: (1): RTX-CLP

ID: 0.32 (mm)

GC Column: (2): RTX-CLP2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
DICHLORPROP	1	8.16	8.11	8.21	177	6.4
	2	8.68	8.63	8.73	166	
2,4-D	1	8.39	8.34	8.44	177	7
	2	9.01	8.96	9.06	165	
2,4,5-TP(Silvex)	1	9.27	9.22	9.32	182	6.8
	2	9.92	9.87	9.97	170	
2,4,5-T	1	9.57	9.52	9.62	181	8
	2	10.34	10.29	10.39	167	
2,4-DB	1	10.14	10.09	10.19	177	10.7
	2	10.91	10.86	10.96	159	
Dinoseb	1	11.36	11.31	11.41	180	10.5
	2	11.29	11.24	11.34	162	
DICAMBA	1	7.45	7.40	7.50	174	2.9
	2	7.96	7.91	8.01	169	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB164725BS

Contract: TETR16

Lab Code: CHEM

Case No.: P4602

SAS No.: P4602

SDG NO.: P4602

Lab Sample ID: PB164725BS

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		CONCENTRATION	%RPD
			FROM	TO		
DICHLORPROP	1	8.14	8.09	8.19	156	10.8
	2	8.67	8.62	8.72	140	
2,4-D	1	8.37	8.32	8.42	170	15.2
	2	9.00	8.95	9.05	146	
2,4,5-TP(Silvex)	1	9.25	9.20	9.30	167	12.1
	2	9.91	9.86	9.96	148	
2,4,5-T	1	9.55	9.50	9.60	153	8.9
	2	10.33	10.28	10.38	140	
2,4-DB	1	10.12	10.07	10.17	132	2.3
	2	10.89	10.84	10.94	129	
Dinoseb	1	11.34	11.29	11.39	140	10.5
	2	11.27	11.22	11.32	126	
DICAMBA	1	7.43	7.38	7.48	145	8.6
	2	7.95	7.90	8.00	133	



SHIPPING DOCUMENTS

P4602

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6.1

USEPA CLP COC (LAB COPY)

DateShipped: 10/28/2024

CarrierName: FedEx

AirbillNo: 7795 7401 5516

CHAIN OF CUSTODY RECORD

DAS #: R36704

Cooler #: Herbs 2

No: 3-102824-144559-0009

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-SS20-20241022	C0P17	Soil/ START	Grab	HERB(21)	1041 (<6C) (1)	SS20	10/22/2024 10:10	
✓ PDA-SS03-20241022	CC0P0	Soil/ START	Grab	HERB(21)	1050 (<6C), 1137 (<6C), 1139 (<6C) (3)	SS03	10/22/2024 11:00	
✓ PDA-SS04-20241022	CC0P2	Soil/ START	Grab	HERB(21)	1056 (<6C) (1)	SS04	10/22/2024 11:55	
✓ PDA-SS05-20241022	CC0P4	Soil/ START	Grab	HERB(21)	1062 (<6C) (1)	SS05	10/22/2024 12:50	
✓ PDA-SS06-20241022	CC0P6	Soil/ START	Grab	HERB(21)	1068 (<6C) (1)	SS06	10/22/2024 13:55	
✓ PDA-SS07-20241022	CC0P8	Soil/ START	Grab	HERB(21)	1074 (<6C) (1)	SS07	10/22/2024 14:35	
✓ PDA-SS08-20241022	CC0Q0	Soil/ START	Grab	HERB(21)	1080 (<6C) (1)	SS08	10/22/2024 15:15	
✓ PDA-SS09-20241022	CC0Q2	Soil/ START	Grab	HERB(21)	1086 (<6C) (1)	SS09	10/22/2024 15:50	
✓ PDA-SS10-20241022	CC0Q3	Soil/ START	Grab	HERB(21)	1089 (<6C) (1)	SS10	10/22/2024 16:15	
✓ PDA-SS12-20241023	CC0Q4	Soil/ START	Grab	HERB(21)	1092 (<6C) (1)	SS12	10/23/2024 09:10	

Sample(s) to be used for Lab QC: PDA-SS03-20241022 Tag 1137, PDA-SS03-20241022 Tag 1139	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
	<i>John Shieh</i> START	10/28/24 1630	<i>[Signature]</i>	10-29-24 0955	1.9°C IL gun #1
					Temp BH - present
					custody seals intact

P4602

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USEPA CLP COC (LAB COPY)

DateShipped: 10/28/2024

CarrierName: FedEx

AirbillNo: 7795 7401 5516

CHAIN OF CUSTODY RECORD

DAS #: R36704

Cooler #: Herbs 2

No: 3-102824-144559-0009

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-SS17-20241023	CC0Q5	Soil/ START	Grab	HERB(21)	1095 (<6C) (1)	SS17	10/23/2024 10:00	
✓ PDA-SS19-20241023	CC0Q7	Soil/ START	Grab	HERB(21)	1101 (<6C) (1)	SS19	10/23/2024 10:40	
✓ PDA-SS13-20241023	CC0Q9	Soil/ START	Grab	HERB(21)	1107 (<6C) (1)	SS13	10/23/2024 11:05	
✓ PDA-SS18-20241023	CC0R0	Soil/ START	Grab	HERB(21)	1110 (<6C) (1)	SS18	10/23/2024 11:25	
✓ PDA-SS15-20241023	CC0R1	Soil/ START	Grab	HERB(21)	1113 (<6C) (1)	SS15	10/23/2024 13:00	
✓ PDA-SS16-20241023	CC0R2	Soil/ START	Grab	HERB(21)	1116 (<6C) (1)	SS16	10/23/2024 13:45	
✓ PDA-SS02-20241023	CC0R6	Soil/ START	Grab	HERB(21)	1142 (<6C), 1144 (<6C) (2)	SS02	10/23/2024 14:45	
✓ PDA-SS21-20241023	CC0R8	Soil/ START	Grab	HERB(21)	1134 (<6C) (1)	SS21	10/23/2024 15:34	

Sample(s) to be used for Lab QC: PDA-SS02-20241023 Tag 1142, PDA-SS02-20241023 Tag 1144	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 Smith START	10/28/24 1130		10-29-24 0955	1.9°C ILG new #1
					Temp OK present
					custody seals intact

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