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

LAB CHRONICLE

OrderID:	Q2413	**OrderDate:**	6/24/2025 3:05:00 PM
Client:	CDM Smith	**Project:**	South River WM Replacement
Contact:	Marcie Ann Encinas	**Location:**	D41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2413-01	**TP-35**	**SOIL**			**06/23/25**			**06/24/25**
			Diesel Range Organics	8015D		06/30/25	06/30/25	
			Herbicide	8151A		06/26/25	06/27/25	
			PCB	8082A		06/26/25	06/26/25	
			Pesticide-TCL	8081B		06/26/25	06/27/25	
			Gasoline Range Organics	8015D			06/26/25	
Q2413-02	**TP-34**	**SOIL**			**06/23/25**			**06/24/25**
			Diesel Range Organics	8015D		06/30/25	06/30/25	
			Herbicide	8151A		06/26/25	06/27/25	
			PCB	8082A		06/26/25	06/26/25	
			Pesticide-TCL	8081B		06/26/25	06/27/25	
			Gasoline Range Organics	8015D			06/26/25	
Q2413-03	**TP-77**	**SOIL**			**06/23/25**			**06/24/25**
			Diesel Range Organics	8015D		06/30/25	06/30/25	
			Herbicide	8151A		06/26/25	06/27/25	
			PCB	8082A		06/26/25	06/26/25	
			Pesticide-TCL	8081B		06/26/25	06/27/25	
			Gasoline Range Organics	8015D			06/26/25	
Q2413-04	**TP-74**	**SOIL**			**06/23/25**			**06/24/25**
			Diesel Range Organics	8015D		06/30/25	07/01/25	
			Herbicide	8151A		06/26/25	06/27/25	
			PCB	8082A		06/26/25	06/26/25	
			Pesticide-TCL	8081B		06/26/25	06/27/25	
			Gasoline Range Organics	8015D			06/26/25	
Q2413-05	**TP-73**	**SOIL**			**06/23/25**			**06/24/25**
			Diesel Range Organics	8015D		06/30/25	07/01/25	
			Herbicide	8151A		06/26/25	06/27/25	

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

LAB CHRONICLE

			PCB	8082A		06/26/25	06/26/25
			Pesticide-TCL	8081B		06/26/25	06/27/25
			Gasoline Range Organics	8015D			06/26/25
Q2413-06	**TP-72**	**SOIL**			**06/24/25**		**06/24/25**
			Diesel Range Organics	8015D		06/30/25	07/01/25
			Gasoline Range Organics	8015D			06/26/25
			Herbicide	8151A		06/26/25	06/27/25
			PCB	8082A		06/26/25	06/26/25
			Pesticide-TCL	8081B		06/26/25	06/27/25

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

Hit Summary Sheet
SW-846

SDG No.: Q2413 **Order ID:** Q2413

Client: CDM Smith **Project ID:** South River WM Replacement

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units

Client ID :

Total Concentration: 0.000

SAMPLE DATA

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

Report of Analysis

Client:	CDM Smith	Date Collected:	06/23/25
Project:	South River WM Replacement	Date Received:	06/24/25
Client Sample ID:	TP-35	SDG No.:	Q2413
Lab Sample ID:	Q2413-01	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	88.8 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
PS030844.D	1	06/26/25 13:00	06/27/25 19:29	PB168634

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	8.70	U	8.70	75.4	ug/Kg
120-36-5	DICHLORPROP	14.4	U	14.4	75.4	ug/Kg
94-75-7	2,4-D	10.2	U	10.2	75.4	ug/Kg
93-72-1	2,4,5-TP (Silvex)	10.2	U	10.2	75.4	ug/Kg
93-76-5	2,4,5-T	9.80	U	9.80	75.4	ug/Kg
94-82-6	2,4-DB	27.2	U	27.2	75.4	ug/Kg
88-85-7	DINOSEB	12.1	U	12.1	75.4	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	232		10 - 141	46%	SPK: 500

Comments:

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

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

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

Report of Analysis

Client:	CDM Smith	Date Collected:	06/23/25
Project:	South River WM Replacement	Date Received:	06/24/25
Client Sample ID:	TP-34	SDG No.:	Q2413
Lab Sample ID:	Q2413-02	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	92 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
PS030845.D	1	06/26/25 13:00	06/27/25 19:53	PB168634

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	8.40	U	8.40	72.7	ug/Kg
120-36-5	DICHLORPROP	13.9	U	13.9	72.7	ug/Kg
94-75-7	2,4-D	9.80	U	9.80	72.7	ug/Kg
93-72-1	2,4,5-TP (Silvex)	9.80	U	9.80	72.7	ug/Kg
93-76-5	2,4,5-T	9.40	U	9.40	72.7	ug/Kg
94-82-6	2,4-DB	26.3	U	26.3	72.7	ug/Kg
88-85-7	DINOSEB	11.7	U	11.7	72.7	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	289		10 - 141	58%	SPK: 500

Comments:

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

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

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

Report of Analysis

Client:	CDM Smith	Date Collected:	06/23/25
Project:	South River WM Replacement	Date Received:	06/24/25
Client Sample ID:	TP-77	SDG No.:	Q2413
Lab Sample ID:	Q2413-03	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	91.4 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
PS030846.D	1	06/26/25 13:00	06/27/25 20:17	PB168634

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	8.50	U	8.50	73.3	ug/Kg
120-36-5	DICHLORPROP	14.0	U	14.0	73.3	ug/Kg
94-75-7	2,4-D	9.90	U	9.90	73.3	ug/Kg
93-72-1	2,4,5-TP (Silvex)	9.90	U	9.90	73.3	ug/Kg
93-76-5	2,4,5-T	9.50	U	9.50	73.3	ug/Kg
94-82-6	2,4-DB	26.5	U	26.5	73.3	ug/Kg
88-85-7	DINOSEB	11.8	U	11.8	73.3	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	610		10 - 141	122%	SPK: 500

Comments:

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

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

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

Report of Analysis

Client:	CDM Smith	Date Collected:	06/23/25
Project:	South River WM Replacement	Date Received:	06/24/25
Client Sample ID:	TP-74	SDG No.:	Q2413
Lab Sample ID:	Q2413-04	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	89.5 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
PS030847.D	1	06/26/25 13:00	06/27/25 20:41	PB168634

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	8.70	U	8.70	74.8	ug/Kg
120-36-5	DICHLORPROP	14.3	U	14.3	74.8	ug/Kg
94-75-7	2,4-D	10.1	U	10.1	74.8	ug/Kg
93-72-1	2,4,5-TP (Silvex)	10.1	U	10.1	74.8	ug/Kg
93-76-5	2,4,5-T	9.70	U	9.70	74.8	ug/Kg
94-82-6	2,4-DB	27.0	U	27.0	74.8	ug/Kg
88-85-7	DINOSEB	12.1	U	12.1	74.8	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	550		10 - 141	110%	SPK: 500

Comments:

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

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

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

Report of Analysis

Client:	CDM Smith	Date Collected:	06/23/25
Project:	South River WM Replacement	Date Received:	06/24/25
Client Sample ID:	TP-73	SDG No.:	Q2413
Lab Sample ID:	Q2413-05	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	77.1 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
PS030848.D	1	06/26/25 13:00	06/27/25 21:05	PB168634

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	10.0	U	10.0	86.7	ug/Kg
120-36-5	DICHLORPROP	16.6	U	16.6	86.7	ug/Kg
94-75-7	2,4-D	11.7	U	11.7	86.7	ug/Kg
93-72-1	2,4,5-TP (Silvex)	11.7	U	11.7	86.7	ug/Kg
93-76-5	2,4,5-T	11.3	U	11.3	86.7	ug/Kg
94-82-6	2,4-DB	31.3	U	31.3	86.7	ug/Kg
88-85-7	DINOSEB	14.0	U	14.0	86.7	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	273		10 - 141	55%	SPK: 500

Comments:

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

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

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

Report of Analysis

Client:	CDM Smith	Date Collected:	06/24/25
Project:	South River WM Replacement	Date Received:	06/24/25
Client Sample ID:	TP-72	SDG No.:	Q2413
Lab Sample ID:	Q2413-06	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	87 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
PS030851.D	1	06/26/25 13:00	06/27/25 22:41	PB168634

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	8.90	U	8.90	76.9	ug/Kg
120-36-5	DICHLORPROP	14.7	U	14.7	76.9	ug/Kg
94-75-7	2,4-D	10.4	U	10.4	76.9	ug/Kg
93-72-1	2,4,5-TP (Silvex)	10.4	U	10.4	76.9	ug/Kg
93-76-5	2,4,5-T	10.0	U	10.0	76.9	ug/Kg
94-82-6	2,4-DB	27.8	U	27.8	76.9	ug/Kg
88-85-7	DINOSEB	12.4	U	12.4	76.9	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	238		10 - 141	48%	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

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

Surrogate Summary

SDG No.: Q2413

Client: CDM Smith

Analytical Method: 8151A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
I.BLK-PS030738.D	PIBLK-PS030738.D	2,4-DCAA	1	500	414	83		61	136
		2,4-DCAA	2	500	487	97		61	136
I.BLK-PS030837.D	PIBLK-PS030837.D	2,4-DCAA	1	500	530	106		61	136
		2,4-DCAA	2	500	577	115		61	136
PB168634BS	PB168634BS	2,4-DCAA	1	500	515	103		10	141
		2,4-DCAA	2	500	507	101		10	141
Q2405-01MS	MH-M/NMS	2,4-DCAA	1	500	309	62		10	141
		2,4-DCAA	2	500	307	61		10	141
Q2405-01MSD	MH-M/NMSD	2,4-DCAA	1	500	309	62		10	141
		2,4-DCAA	2	500	308	62		10	141
Q2413-01	TP-35	2,4-DCAA	1	500	216	43		10	141
		2,4-DCAA	2	500	232	46		10	141
Q2413-02	TP-34	2,4-DCAA	1	500	289	58		10	141
		2,4-DCAA	2	500	263	53		10	141
Q2413-03	TP-77	2,4-DCAA	1	500	415	83		10	141
		2,4-DCAA	2	500	610	122		10	141
Q2413-04	TP-74	2,4-DCAA	1	500	335	67		10	141
		2,4-DCAA	2	500	550	110		10	141
Q2413-05	TP-73	2,4-DCAA	1	500	253	51		10	141
		2,4-DCAA	2	500	273	55		10	141
I.BLK-PS030849.D	PIBLK-PS030849.D	2,4-DCAA	1	500	532	106		61	136
		2,4-DCAA	2	500	573	115		61	136
Q2413-06	TP-72	2,4-DCAA	1	500	238	48		10	141
		2,4-DCAA	2	500	211	42		10	141
I.BLK-PS030858.D	PIBLK-PS030858.D	2,4-DCAA	1	500	549	110		61	136
		2,4-DCAA	2	500	591	118		61	136
I.BLK-PS030861.D	PIBLK-PS030861.D	2,4-DCAA	1	500	464	93		61	136
		2,4-DCAA	2	500	484	97		61	136
PB168634BL	PB168634BL	2,4-DCAA	1	500	446	89		10	141
		2,4-DCAA	2	500	563	113		10	141
I.BLK-PS030865.D	PIBLK-PS030865.D	2,4-DCAA	1	500	464	93		61	136
		2,4-DCAA	2	500	486	97		61	136

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

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2413 **Analytical Method:** 8151A

Client: CDM Smith **DataFile :** PS030842.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Client Sample ID:	**MH-M/NMS**											
Q2405-01MS (Column 1)	DICAMBA	183.1	0	101	ug/Kg	55				10	112	
	DICHLORPROP	183.1	0	109	ug/Kg	60				10	113	
	2,4-D	183.1	0	131	ug/Kg	72				10	144	
	2,4,5-TP(Silvex)	183.1	0	113	ug/Kg	62				10	114	
	2,4,5-T	183.1	0	112	ug/Kg	61				10	115	
	2,4-DB	183.1	0	91.5	ug/Kg	50				10	140	
	Dinoseb	183.1	0	15.3	ug/Kg	8	*			10	118	
Client Sample ID:	**MH-M/NMS**											
Q2405-01MS (Column 2)	DICAMBA	183.1	0	101	ug/Kg	55				10	112	
	DICHLORPROP	183.1	0	114	ug/Kg	62				10	113	
	2,4-D	183.1	0	115	ug/Kg	63				10	144	
	2,4,5-TP(Silvex)	183.1	0	114	ug/Kg	62				10	114	
	2,4,5-T	183.1	0	109	ug/Kg	60				10	115	
	2,4-DB	183.1	0	104	ug/Kg	57				10	140	
	Dinoseb	183.1	0	15.4	ug/Kg	8	*			10	118	

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

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2413 **Analytical Method:** 8151A

Client: CDM Smith **DataFile :** PS030843.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Client Sample ID:	**MH-M/NMSD**											
Q2405-01MSD (Column 1)	DICAMBA	183.2	0	100	ug/Kg	55		0		10	112	20
	DICHLORPROP	183.2	0	109	ug/Kg	59		2		10	113	20
	2,4-D	183.2	0	132	ug/Kg	72		0		10	144	20
	2,4,5-TP(Silvex)	183.2	0	113	ug/Kg	62		0		10	114	20
	2,4,5-T	183.2	0	113	ug/Kg	62		2		10	115	20
	2,4-DB	183.2	0	93.9	ug/Kg	51		2		10	140	20
	Dinoseb	183.2	0	16.0	ug/Kg	9	*	12		10	118	20
Client Sample ID:	**MH-M/NMSD**											
Q2405-01MSD (Column 2)	DICAMBA	183.2	0	101	ug/Kg	55		0		10	112	20
	DICHLORPROP	183.2	0	111	ug/Kg	61		2		10	113	20
	2,4-D	183.2	0	120	ug/Kg	66		5		10	144	20
	2,4,5-TP(Silvex)	183.2	0	114	ug/Kg	62		0		10	114	20
	2,4,5-T	183.2	0	109	ug/Kg	59		2		10	115	20
	2,4-DB	183.2	0	104	ug/Kg	57		0		10	140	20
	Dinoseb	183.2	0	15.5	ug/Kg	8	*	0		10	118	20

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2413 **Analytical Method:** 8151A

Client: CDM Smith **Datafile :** PS030840.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB168634BS (Column 1)	DICAMBA	166.6	163	ug/Kg	98				72	129	
	DICHLORPROP	166.6	156	ug/Kg	94				77	135	
	2,4-D	166.6	160	ug/Kg	96				65	144	
	2,4,5-TP(Silvex)	166.6	168	ug/Kg	101				74	146	
	2,4,5-T	166.6	174	ug/Kg	104				77	134	
	2,4-DB	166.6	183	ug/Kg	110				72	122	
	Dinoseb	166.6	167	ug/Kg	100				74	132	
PB168634BS (Column 2)	DICAMBA	166.6	160	ug/Kg	96				72	129	
	DICHLORPROP	166.6	155	ug/Kg	93				77	135	
	2,4-D	166.6	156	ug/Kg	94				65	144	
	2,4,5-TP(Silvex)	166.6	163	ug/Kg	98				74	146	
	2,4,5-T	166.6	165	ug/Kg	99				77	134	
	2,4-DB	166.6	161	ug/Kg	97				72	122	
	Dinoseb	166.6	158	ug/Kg	95				74	132	

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

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB168634BL

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2413 SAS No.: Q2413 SDG NO.: Q2413

Lab Sample ID: PB168634BL Lab File ID: PS030863.D

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

Sulfur Cleanup: (Y/N) N Date Extracted: 06/26/2025

Date Analyzed (1): 06/30/2025 Date Analyzed (2): 06/30/2025

Time Analyzed (1): 16:33 Time Analyzed (2): 16:33

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
PB168634BS	PB168634BS	PS030840.D	06/27/2025	06/27/2025
MH-M/NMS	Q2405-01MS	PS030842.D	06/27/2025	06/27/2025
MH-M/NMSD	Q2405-01MSD	PS030843.D	06/27/2025	06/27/2025
TP-35	Q2413-01	PS030844.D	06/27/2025	06/27/2025
TP-34	Q2413-02	PS030845.D	06/27/2025	06/27/2025
TP-77	Q2413-03	PS030846.D	06/27/2025	06/27/2025
TP-74	Q2413-04	PS030847.D	06/27/2025	06/27/2025
TP-73	Q2413-05	PS030848.D	06/27/2025	06/27/2025
TP-72	Q2413-06	PS030851.D	06/27/2025	06/27/2025

COMMENTS:

QC SAMPLE DATA

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

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB168634BL	SDG No.:	Q2413
Lab Sample ID:	PB168634BL	Matrix:	SOIL
Analytical Method:	8151A	% 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
PS030863.D	1	06/26/25 13:00	06/30/25 16:33	PB168634

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	7.70	U	7.70	67.0	ug/Kg
120-36-5	DICHLORPROP	12.8	U	12.8	67.0	ug/Kg
94-75-7	2,4-D	9.00	U	9.00	67.0	ug/Kg
93-72-1	2,4,5-TP (Silvex)	9.10	U	9.10	67.0	ug/Kg
93-76-5	2,4,5-T	8.70	U	8.70	67.0	ug/Kg
94-82-6	2,4-DB	24.2	U	24.2	67.0	ug/Kg
88-85-7	DINOSEB	10.8	U	10.8	67.0	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	563		10 - 141	113%	SPK: 500

Comments:

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

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

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

Report of Analysis

Client:	CDM Smith	Date Collected:	06/18/25
Project:	South River WM Replacement	Date Received:	06/18/25
Client Sample ID:	PIBLK-PS030738.D	SDG No.:	Q2413
Lab Sample ID:	I.BLK-PS030738.D	Matrix:	WATER
Analytical Method:	8151A	% 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
PS030738.D	1		06/18/25	PS061825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
1918-00-9	DICAMBA	0.65	U	0.65	2.00	ug/L
120-36-5	DICHLORPROP	0.76	U	0.76	2.00	ug/L
94-75-7	2,4-D	0.92	U	0.92	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	0.78	U	0.78	2.00	ug/L
93-76-5	2,4,5-T	0.71	U	0.71	2.00	ug/L
94-82-6	2,4-DB	0.65	U	0.65	2.00	ug/L
88-85-7	DINOSEB	0.89	U	0.89	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	487		61 - 136	97%	SPK: 500

Comments:

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

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

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

Report of Analysis

Client:	CDM Smith	Date Collected:	06/27/25
Project:	South River WM Replacement	Date Received:	06/27/25
Client Sample ID:	PIBLK-PS030837.D	SDG No.:	Q2413
Lab Sample ID:	I.BLK-PS030837.D	Matrix:	WATER
Analytical Method:	8151A	% 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
PS030837.D	1		06/27/25	ps062725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
1918-00-9	DICAMBA	0.65	U	0.65	2.00	ug/L
120-36-5	DICHLORPROP	0.76	U	0.76	2.00	ug/L
94-75-7	2,4-D	0.92	U	0.92	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	0.78	U	0.78	2.00	ug/L
93-76-5	2,4,5-T	0.71	U	0.71	2.00	ug/L
94-82-6	2,4-DB	0.65	U	0.65	2.00	ug/L
88-85-7	DINOSEB	0.89	U	0.89	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	577		61 - 136	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

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

Report of Analysis

Client:	CDM Smith	Date Collected:	06/27/25
Project:	South River WM Replacement	Date Received:	06/27/25
Client Sample ID:	PIBLK-PS030849.D	SDG No.:	Q2413
Lab Sample ID:	I.BLK-PS030849.D	Matrix:	WATER
Analytical Method:	8151A	% 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
PS030849.D	1		06/27/25	ps062725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
1918-00-9	DICAMBA	0.65	U	0.65	2.00	ug/L
120-36-5	DICHLORPROP	0.76	U	0.76	2.00	ug/L
94-75-7	2,4-D	0.92	U	0.92	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	0.78	U	0.78	2.00	ug/L
93-76-5	2,4,5-T	0.71	U	0.71	2.00	ug/L
94-82-6	2,4-DB	0.65	U	0.65	2.00	ug/L
88-85-7	DINOSEB	0.89	U	0.89	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	573		61 - 136	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

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

Report of Analysis

Client:	CDM Smith	Date Collected:	06/28/25
Project:	South River WM Replacement	Date Received:	06/28/25
Client Sample ID:	PIBLK-PS030858.D	SDG No.:	Q2413
Lab Sample ID:	I.BLK-PS030858.D	Matrix:	WATER
Analytical Method:	8151A	% 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
PS030858.D	1		06/28/25	ps062725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
1918-00-9	DICAMBA	0.65	U	0.65	2.00	ug/L
120-36-5	DICHLORPROP	0.76	U	0.76	2.00	ug/L
94-75-7	2,4-D	0.92	U	0.92	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	0.78	U	0.78	2.00	ug/L
93-76-5	2,4,5-T	0.71	U	0.71	2.00	ug/L
94-82-6	2,4-DB	0.65	U	0.65	2.00	ug/L
88-85-7	DINOSEB	0.89	U	0.89	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	591		61 - 136	118%	SPK: 500

Comments:

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

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

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

Report of Analysis

Client:	CDM Smith	Date Collected:	06/30/25
Project:	South River WM Replacement	Date Received:	06/30/25
Client Sample ID:	PIBLK-PS030861.D	SDG No.:	Q2413
Lab Sample ID:	I.BLK-PS030861.D	Matrix:	WATER
Analytical Method:	8151A	% 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
PS030861.D	1		06/30/25	ps063025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
1918-00-9	DICAMBA	0.65	U	0.65	2.00	ug/L
120-36-5	DICHLORPROP	0.76	U	0.76	2.00	ug/L
94-75-7	2,4-D	0.92	U	0.92	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	0.78	U	0.78	2.00	ug/L
93-76-5	2,4,5-T	0.71	U	0.71	2.00	ug/L
94-82-6	2,4-DB	0.65	U	0.65	2.00	ug/L
88-85-7	DINOSEB	0.89	U	0.89	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	484		61 - 136	97%	SPK: 500

Comments:

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

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

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

Report of Analysis

Client:	CDM Smith	Date Collected:	06/30/25
Project:	South River WM Replacement	Date Received:	06/30/25
Client Sample ID:	PIBLK-PS030865.D	SDG No.:	Q2413
Lab Sample ID:	I.BLK-PS030865.D	Matrix:	WATER
Analytical Method:	8151A	% 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
PS030865.D	1		06/30/25	ps063025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
1918-00-9	DICAMBA	0.65	U	0.65	2.00	ug/L
120-36-5	DICHLORPROP	0.76	U	0.76	2.00	ug/L
94-75-7	2,4-D	0.92	U	0.92	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	0.78	U	0.78	2.00	ug/L
93-76-5	2,4,5-T	0.71	U	0.71	2.00	ug/L
94-82-6	2,4-DB	0.65	U	0.65	2.00	ug/L
88-85-7	DINOSEB	0.89	U	0.89	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	486		61 - 136	97%	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

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

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB168634BS	SDG No.:	Q2413
Lab Sample ID:	PB168634BS	Matrix:	SOIL
Analytical Method:	8151A	% 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
PS030840.D	1	06/26/25 13:00	06/27/25 17:52	PB168634

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	163		7.70	67.0	ug/Kg
120-36-5	DICHLORPROP	156		12.8	67.0	ug/Kg
94-75-7	2,4-D	160		9.00	67.0	ug/Kg
93-72-1	2,4,5-TP (Silvex)	168		9.10	67.0	ug/Kg
93-76-5	2,4,5-T	174		8.70	67.0	ug/Kg
94-82-6	2,4-DB	183		24.2	67.0	ug/Kg
88-85-7	DINOSEB	167		10.8	67.0	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	515		10 - 141	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

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

Report of Analysis

Client:	CDM Smith	Date Collected:	06/24/25
Project:	South River WM Replacement	Date Received:	06/24/25
Client Sample ID:	MH-M/NMS	SDG No.:	Q2413
Lab Sample ID:	Q2405-01MS	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	90.8 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
PS030842.D	1	06/26/25 13:00	06/27/25 18:40	PB168634

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	101		8.50	73.6	ug/Kg
120-36-5	DICHLORPROP	114		14.1	73.6	ug/Kg
94-75-7	2,4-D	131		9.90	73.6	ug/Kg
93-72-1	2,4,5-TP (Silvex)	114		10.0	73.6	ug/Kg
93-76-5	2,4,5-T	112		9.60	73.6	ug/Kg
94-82-6	2,4-DB	104		26.6	73.6	ug/Kg
88-85-7	DINOSEB	15.4	J	11.9	73.6	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	309		10 - 141	62%	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

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

Report of Analysis

Client:	CDM Smith	Date Collected:	06/24/25
Project:	South River WM Replacement	Date Received:	06/24/25
Client Sample ID:	MH-M/NMSD	SDG No.:	Q2413
Lab Sample ID:	Q2405-01MSD	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	90.8 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
PS030843.D	1	06/26/25 13:00	06/27/25 19:04	PB168634

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	101		8.50	73.6	ug/Kg
120-36-5	DICHLORPROP	111		14.1	73.6	ug/Kg
94-75-7	2,4-D	132		9.90	73.6	ug/Kg
93-72-1	2,4,5-TP (Silvex)	114		10.0	73.6	ug/Kg
93-76-5	2,4,5-T	113		9.60	73.6	ug/Kg
94-82-6	2,4-DB	104		26.6	73.6	ug/Kg
88-85-7	DINOSEB	16.0	J	11.9	73.6	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	309		10 - 141	62%	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

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

RETENTION TIMES OF INITIAL CALIBRATION

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2413 **SAS No.:** Q2413 **SDG NO.:** Q2413

Instrument ID: ECD_S **Calibration Date(s):** 06/18/2025 06/18/2025

Calibration Times: 11:25 13:29

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

LAB FILE ID: RT 200 = PS030739.D RT 500 = PS030740.D

RT 750 = PS030741.D RT 1000 = PS030742.D RT 1500 = PS030743.D

COMPOUND	RT 200	RT 500	RT 750	RT 1000	RT 1500	MEAN RT	RT WINDOW FROM	RT WINDOW TO
2,4,5-T	9.67	9.67	9.67	9.67	9.67	9.67	9.57	9.77
2,4,5-TP(Silvex)	9.38	9.38	9.38	9.38	9.38	9.38	9.28	9.48
2,4-D	8.49	8.49	8.49	8.49	8.49	8.49	8.39	8.59
2,4-DB	10.25	10.25	10.25	10.25	10.25	10.25	10.15	10.35
2,4-DCAA	7.35	7.35	7.35	7.35	7.35	7.35	7.25	7.45
DICAMBA	7.54	7.54	7.54	7.54	7.54	7.54	7.44	7.64
DICHLORPROP	8.25	8.25	8.25	8.25	8.25	8.25	8.15	8.35
Dinoseb	11.47	11.47	11.47	11.47	11.47	11.47	11.37	11.57

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

RETENTION TIMES OF INITIAL CALIBRATION

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2413 **SAS No.:** Q2413 **SDG NO.:** Q2413

Instrument ID: ECD_S **Calibration Date(s):** 06/18/2025 06/18/2025

Calibration Times: 11:25 13:29

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

LAB FILE ID: RT 200 = PS030739.D RT 500 = PS030740.D

RT 750 = PS030741.D RT 1000 = PS030742.D RT 1500 = PS030743.D

COMPOUND	RT 200	RT 500	RT 750	RT 1000	RT 1500	MEAN RT	RT WINDOW FROM	RT WINDOW TO
2,4,5-T	10.36	10.36	10.36	10.36	10.36	10.36	10.26	10.46
2,4,5-TP(Silvex)	9.93	9.93	9.93	9.93	9.93	9.93	9.83	10.03
2,4-D	9.03	9.03	9.03	9.03	9.03	9.03	8.93	9.13
2,4-DB	10.93	10.93	10.93	10.93	10.93	10.93	10.83	11.03
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	11.31	11.31	11.31	11.31	11.31	11.31	11.21	11.41

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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2413 **SAS No.:** Q2413 **SDG NO.:** Q2413

Instrument ID: ECD_S

Calibration Date(s): 06/18/2025 06/18/2025

Calibration Times: 11:25 13:29

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

LAB FILE ID: **CF 200 =** PS030739.D **CF 500 =** PS030740.D

CF 750 = PS030741.D **CF 1000 =** PS030742.D **CF 1500 =** PS030743.D

COMPOUND	CF 200	CF 500	CF 750	CF 1000	CF 1500	CF	% RSD
2,4,5-T	17256700000	16680000000	16830000000	16187900000	15311000000	16453200000	5
2,4,5-TP(Silvex)	22282500000	20395400000	19977900000	18863900000	18632300000	20030400000	7
2,4-D	3868070000	3398090000	3305570000	3150720000	3499600000	3444410000	8
2,4-DB	2481600000	2363020000	2407410000	2376040000	1839440000	2293500000	11
2,4-DCAA	4451200000	3788090000	3593380000	3449860000	3089450000	3674390000	14
DICAMBA	17792700000	15914300000	15443300000	14605900000	12319200000	15215100000	13
DICHLORPROP	4637630000	3720970000	3496760000	3281660000	3591790000	3745760000	14
Dinoseb	15211800000	14001800000	13914000000	13244000000	12994300000	13873200000	6

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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2413 **SAS No.:** Q2413 **SDG NO.:** Q2413

Instrument ID: ECD_S

Calibration Date(s): 06/18/2025 06/18/2025

Calibration Times: 11:25 13:29

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

LAB FILE ID: **CF 200 =** PS030739.D **CF 500 =** PS030740.D

CF 750 = PS030741.D **CF 1000 =** PS030742.D **CF 1500 =** PS030743.D

COMPOUND	CF 200	CF 500	CF 750	CF 1000	CF 1500	CF	% RSD
2,4,5-T	15648900000	14018900000	13695900000	12933300000	12026100000	13664600000	10
2,4,5-TP(Silvex)	16493700000	14706300000	14316500000	13463300000	13163600000	14428700000	9
2,4-D	1965540000	1671750000	1622570000	1523690000	1713470000	1699410000	10
2,4-DB	1373320000	1199380000	1163600000	1108750000	1069470000	1182900000	10
2,4-DCAA	1283250000	1084080000	1050700000	993038000	948747000	1071960000	12
DICAMBA	7304970000	6653080000	6566460000	6277600000	5963960000	6553210000	8
DICHLORPROP	1855180000	1562920000	1498450000	1412800000	1533120000	1572500000	11
Dinoseb	12099400000	10862400000	10728600000	10218500000	9997410000	10781200000	8

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

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2413 **SAS No.:** Q2413 **SDG NO.:** Q2413

Continuing Calib Date: 06/27/2025 **Initial Calibration Date(s):** 06/18/2025 06/18/2025

Continuing Calib Time: 17:04 **Initial Calibration Time(s):** 11:25 13:29

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.53	7.54	7.44	7.64	0.01
2,4-DCAA	7.34	7.35	7.25	7.45	0.01
DICHLORPROP	8.24	8.25	8.15	8.35	0.01
2,4-D	8.48	8.49	8.39	8.59	0.01
2,4,5-TP(Silvex)	9.36	9.38	9.28	9.48	0.02
2,4,5-T	9.66	9.67	9.57	9.77	0.01
2,4-DB	10.23	10.25	10.15	10.35	0.02
Dinoseb	11.45	11.47	11.37	11.57	0.02

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

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2413 **SAS No.:** Q2413 **SDG NO.:** Q2413

Continuing Calib Date: 06/27/2025 **Initial Calibration Date(s):** 06/18/2025 06/18/2025

Continuing Calib Time: 17:04 **Initial Calibration Time(s):** 11:25 13:29

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
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	9.03	8.93	9.13	0.01
2,4,5-TP(Silvex)	9.93	9.93	9.83	10.03	0.00
2,4,5-T	10.36	10.36	10.26	10.46	0.00
2,4-DB	10.92	10.93	10.83	11.03	0.01
Dinoseb	11.31	11.31	11.21	11.41	0.00

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

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2413 **SAS No.:** Q2413 **SDG NO.:** Q2413

GC Column: RTX-CLP **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 06/18/2025 06/18/2025

Client Sample No.: CCAL01 **Date Analyzed:** 06/27/2025

Lab Sample No.: PSTDCCC750 **Data File :** PS030838.D **Time Analyzed:** 17:04

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.657	9.568	9.768	752.430	712.500	5.6
2,4,5-TP(Silvex)	9.363	9.275	9.475	711.660	712.500	-0.1
2,4-D	8.476	8.386	8.586	681.510	705.000	-3.3
2,4-DB	10.234	10.147	10.347	812.930	712.500	14.1
2,4-DCAA	7.339	7.249	7.449	717.100	750.000	-4.4
DICAMBA	7.531	7.439	7.639	689.260	705.000	-2.2
DICHLORPROP	8.243	8.153	8.353	647.060	705.000	-8.2
Dinoseb	11.453	11.366	11.566	712.890	705.000	1.1

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

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2413 **SAS No.:** Q2413 **SDG NO.:** Q2413

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 06/18/2025 06/18/2025

Client Sample No.: CCAL01 **Date Analyzed:** 06/27/2025

Lab Sample No.: PSTDCCC750 **Data File :** PS030838.D **Time Analyzed:** 17:04

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	10.356	10.259	10.459	699.200	712.500	-1.9
2,4,5-TP(Silvex)	9.929	9.833	10.033	691.030	712.500	-3.0
2,4-D	9.024	8.927	9.127	659.170	705.000	-6.5
2,4-DB	10.923	10.827	11.027	674.590	712.500	-5.3
2,4-DCAA	7.767	7.670	7.870	708.520	750.000	-5.5
DICAMBA	7.970	7.872	8.072	688.710	705.000	-2.3
DICHLORPROP	8.688	8.591	8.791	652.280	705.000	-7.5
Dinoseb	11.308	11.211	11.411	679.930	705.000	-3.6

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

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2413 **SAS No.:** Q2413 **SDG NO.:** Q2413

Continuing Calib Date: 06/27/2025 **Initial Calibration Date(s):** 06/18/2025 06/18/2025

Continuing Calib Time: 21:53 **Initial Calibration Time(s):** 11:25 13:29

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.53	7.54	7.44	7.64	0.01
2,4-DCAA	7.34	7.35	7.25	7.45	0.01
DICHLORPROP	8.24	8.25	8.15	8.35	0.01
2,4-D	8.47	8.49	8.39	8.59	0.02
2,4,5-TP(Silvex)	9.36	9.38	9.28	9.48	0.02
2,4,5-T	9.66	9.67	9.57	9.77	0.01
2,4-DB	10.23	10.25	10.15	10.35	0.02
Dinoseb	11.45	11.47	11.37	11.57	0.02

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

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2413 **SAS No.:** Q2413 **SDG NO.:** Q2413

Continuing Calib Date: 06/27/2025 **Initial Calibration Date(s):** 06/18/2025 06/18/2025

Continuing Calib Time: 21:53 **Initial Calibration Time(s):** 11:25 13:29

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
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	9.03	8.93	9.13	0.01
2,4,5-TP(Silvex)	9.93	9.93	9.83	10.03	0.00
2,4,5-T	10.36	10.36	10.26	10.46	0.01
2,4-DB	10.92	10.93	10.83	11.03	0.01
Dinoseb	11.31	11.31	11.21	11.41	0.00

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

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2413 **SAS No.:** Q2413 **SDG NO.:** Q2413

GC Column: RTX-CLP **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 06/18/2025 06/18/2025

Client Sample No.: CCAL02 **Date Analyzed:** 06/27/2025

Lab Sample No.: PSTDCCC750 **Data File :** PS030850.D **Time Analyzed:** 21:53

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.656	9.568	9.768	730.330	712.500	2.5
2,4,5-TP(Silvex)	9.361	9.275	9.475	683.420	712.500	-4.1
2,4-D	8.474	8.386	8.586	659.940	705.000	-6.4
2,4-DB	10.233	10.147	10.347	787.750	712.500	10.6
2,4-DCAA	7.339	7.249	7.449	703.400	750.000	-6.2
DICAMBA	7.530	7.439	7.639	652.000	705.000	-7.5
DICHLORPROP	8.243	8.153	8.353	622.390	705.000	-11.7
Dinoseb	11.452	11.366	11.566	680.110	705.000	-3.5

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

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2413 **SAS No.:** Q2413 **SDG NO.:** Q2413

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 06/18/2025 06/18/2025

Client Sample No.: CCAL02 **Date Analyzed:** 06/27/2025

Lab Sample No.: PSTDCCC750 **Data File :** PS030850.D **Time Analyzed:** 21:53

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	10.355	10.259	10.459	673.490	712.500	-5.5
2,4,5-TP(Silvex)	9.929	9.833	10.033	664.000	712.500	-6.8
2,4-D	9.024	8.927	9.127	634.280	705.000	-10.0
2,4-DB	10.922	10.827	11.027	645.730	712.500	-9.4
2,4-DCAA	7.767	7.670	7.870	682.230	750.000	-9.0
DICAMBA	7.969	7.872	8.072	662.330	705.000	-6.1
DICHLORPROP	8.688	8.591	8.791	622.740	705.000	-11.7
Dinoseb	11.308	11.211	11.411	650.390	705.000	-7.7

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

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2413 **SAS No.:** Q2413 **SDG NO.:** Q2413

Continuing Calib Date: 06/28/2025 **Initial Calibration Date(s):** 06/18/2025 06/18/2025

Continuing Calib Time: 01:55 **Initial Calibration Time(s):** 11:25 13:29

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.53	7.54	7.44	7.64	0.01
2,4-DCAA	7.34	7.35	7.25	7.45	0.01
DICHLORPROP	8.24	8.25	8.15	8.35	0.01
2,4-D	8.47	8.49	8.39	8.59	0.02
2,4,5-TP(Silvex)	9.36	9.38	9.28	9.48	0.02
2,4,5-T	9.66	9.67	9.57	9.77	0.02
2,4-DB	10.23	10.25	10.15	10.35	0.02
Dinoseb	11.45	11.47	11.37	11.57	0.02

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

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2413 **SAS No.:** Q2413 **SDG NO.:** Q2413

Continuing Calib Date: 06/28/2025 **Initial Calibration Date(s):** 06/18/2025 06/18/2025

Continuing Calib Time: 01:55 **Initial Calibration Time(s):** 11:25 13:29

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
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	9.03	8.93	9.13	0.01
2,4,5-TP(Silvex)	9.93	9.93	9.83	10.03	0.00
2,4,5-T	10.36	10.36	10.26	10.46	0.01
2,4-DB	10.92	10.93	10.83	11.03	0.01
Dinoseb	11.31	11.31	11.21	11.41	0.00

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

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2413 **SAS No.:** Q2413 **SDG NO.:** Q2413

GC Column: RTX-CLP **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 06/18/2025 06/18/2025

Client Sample No.: CCAL03 **Date Analyzed:** 06/28/2025

Lab Sample No.: PSTDCCC750 **Data File :** PS030859.D **Time Analyzed:** 01:55

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.655	9.568	9.768	761.830	712.500	6.9
2,4,5-TP(Silvex)	9.362	9.275	9.475	703.060	712.500	-1.3
2,4-D	8.474	8.386	8.586	682.180	705.000	-3.2
2,4-DB	10.232	10.147	10.347	803.530	712.500	12.8
2,4-DCAA	7.339	7.249	7.449	690.510	750.000	-7.9
DICAMBA	7.529	7.439	7.639	681.160	705.000	-3.4
DICHLORPROP	8.243	8.153	8.353	635.220	705.000	-9.9
Dinoseb	11.449	11.366	11.566	680.910	705.000	-3.4

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

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2413 **SAS No.:** Q2413 **SDG NO.:** Q2413

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 06/18/2025 06/18/2025

Client Sample No.: CCAL03 **Date Analyzed:** 06/28/2025

Lab Sample No.: PSTDCCC750 **Data File :** PS030859.D **Time Analyzed:** 01:55

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	10.355	10.259	10.459	687.080	712.500	-3.6
2,4,5-TP(Silvex)	9.929	9.833	10.033	677.480	712.500	-4.9
2,4-D	9.022	8.927	9.127	664.420	705.000	-5.8
2,4-DB	10.922	10.827	11.027	667.890	712.500	-6.3
2,4-DCAA	7.766	7.670	7.870	694.470	750.000	-7.4
DICAMBA	7.969	7.872	8.072	673.860	705.000	-4.4
DICHLORPROP	8.688	8.591	8.791	634.380	705.000	-10.0
Dinoseb	11.307	11.211	11.411	645.120	705.000	-8.5

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

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2413 **SAS No.:** Q2413 **SDG NO.:** Q2413

Continuing Calib Date: 06/30/2025 **Initial Calibration Date(s):** 06/18/2025 06/18/2025

Continuing Calib Time: 13:00 **Initial Calibration Time(s):** 11:25 13:29

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.53	7.54	7.44	7.64	0.01
2,4-DCAA	7.34	7.35	7.25	7.45	0.01
DICHLORPROP	8.25	8.25	8.15	8.35	0.01
2,4-D	8.48	8.49	8.39	8.59	0.01
2,4,5-TP(Silvex)	9.37	9.38	9.28	9.48	0.02
2,4,5-T	9.66	9.67	9.57	9.77	0.01
2,4-DB	10.24	10.25	10.15	10.35	0.01
Dinoseb	11.45	11.47	11.37	11.57	0.02

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

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2413 **SAS No.:** Q2413 **SDG NO.:** Q2413

Continuing Calib Date: 06/30/2025 **Initial Calibration Date(s):** 06/18/2025 06/18/2025

Continuing Calib Time: 13:00 **Initial Calibration Time(s):** 11:25 13:29

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
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	8.69	8.59	8.79	0.01
2,4-D	9.02	9.03	8.93	9.13	0.01
2,4,5-TP(Silvex)	9.93	9.93	9.83	10.03	0.00
2,4,5-T	10.35	10.36	10.26	10.46	0.01
2,4-DB	10.92	10.93	10.83	11.03	0.01
Dinoseb	11.30	11.31	11.21	11.41	0.01

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

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2413 **SAS No.:** Q2413 **SDG NO.:** Q2413

GC Column: RTX-CLP **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 06/18/2025 06/18/2025

Client Sample No.: CCAL04 **Date Analyzed:** 06/30/2025

Lab Sample No.: PSTDCCC750 **Data File :** PS030862.D **Time Analyzed:** 13:00

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.660	9.568	9.768	755.930	712.500	6.1
2,4,5-TP(Silvex)	9.365	9.275	9.475	706.160	712.500	-0.9
2,4-D	8.477	8.386	8.586	768.500	705.000	9.0
2,4-DB	10.237	10.147	10.347	779.940	712.500	9.5
2,4-DCAA	7.342	7.249	7.449	707.790	750.000	-5.6
DICAMBA	7.532	7.439	7.639	677.030	705.000	-4.0
DICHLORPROP	8.245	8.153	8.353	742.000	705.000	5.2
Dinoseb	11.454	11.366	11.566	709.220	705.000	0.6

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

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2413 **SAS No.:** Q2413 **SDG NO.:** Q2413

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 06/18/2025 06/18/2025

Client Sample No.: CCAL04 **Date Analyzed:** 06/30/2025

Lab Sample No.: PSTDCCC750 **Data File :** PS030862.D **Time Analyzed:** 13:00

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	10.352	10.259	10.459	662.340	712.500	-7.0
2,4,5-TP(Silvex)	9.925	9.833	10.033	654.920	712.500	-8.1
2,4-D	9.020	8.927	9.127	622.260	705.000	-11.7
2,4-DB	10.919	10.827	11.027	642.880	712.500	-9.8
2,4-DCAA	7.763	7.670	7.870	687.130	750.000	-8.4
DICAMBA	7.966	7.872	8.072	641.910	705.000	-8.9
DICHLORPROP	8.684	8.591	8.791	619.130	705.000	-12.2
Dinoseb	11.304	11.211	11.411	636.090	705.000	-9.8

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

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2413 **SAS No.:** Q2413 **SDG NO.:** Q2413

Continuing Calib Date: 06/30/2025 **Initial Calibration Date(s):** 06/18/2025 06/18/2025

Continuing Calib Time: 17:49 **Initial Calibration Time(s):** 11:25 13:29

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.53	7.54	7.44	7.64	0.01
2,4-DCAA	7.34	7.35	7.25	7.45	0.01
DICHLORPROP	8.24	8.25	8.15	8.35	0.01
2,4-D	8.48	8.49	8.39	8.59	0.01
2,4,5-TP(Silvex)	9.36	9.38	9.28	9.48	0.02
2,4,5-T	9.66	9.67	9.57	9.77	0.01
2,4-DB	10.23	10.25	10.15	10.35	0.02
Dinoseb	11.45	11.47	11.37	11.57	0.02

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

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2413 **SAS No.:** Q2413 **SDG NO.:** Q2413

Continuing Calib Date: 06/30/2025 **Initial Calibration Date(s):** 06/18/2025 06/18/2025

Continuing Calib Time: 17:49 **Initial Calibration Time(s):** 11:25 13:29

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
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	9.03	9.03	8.93	9.13	0.01
2,4,5-TP(Silvex)	9.93	9.93	9.83	10.03	0.00
2,4,5-T	10.36	10.36	10.26	10.46	0.00
2,4-DB	10.92	10.93	10.83	11.03	0.01
Dinoseb	11.31	11.31	11.21	11.41	0.00

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

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2413 **SAS No.:** Q2413 **SDG NO.:** Q2413

GC Column: RTX-CLP **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 06/18/2025 06/18/2025

Client Sample No.: CCAL05 **Date Analyzed:** 06/30/2025

Lab Sample No.: PSTDCCC750 **Data File :** PS030866.D **Time Analyzed:** 17:49

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.656	9.568	9.768	763.330	712.500	7.1
2,4,5-TP(Silvex)	9.363	9.275	9.475	714.320	712.500	0.3
2,4-D	8.475	8.386	8.586	687.580	705.000	-2.5
2,4-DB	10.233	10.147	10.347	797.880	712.500	12.0
2,4-DCAA	7.340	7.249	7.449	704.330	750.000	-6.1
DICAMBA	7.530	7.439	7.639	684.800	705.000	-2.9
DICHLORPROP	8.243	8.153	8.353	644.430	705.000	-8.6
Dinoseb	11.452	11.366	11.566	711.590	705.000	0.9

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

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2413 **SAS No.:** Q2413 **SDG NO.:** Q2413

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 06/18/2025 06/18/2025

Client Sample No.: CCAL05 **Date Analyzed:** 06/30/2025

Lab Sample No.: PSTDCCC750 **Data File :** PS030866.D **Time Analyzed:** 17:49

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	10.357	10.259	10.459	679.450	712.500	-4.6
2,4,5-TP(Silvex)	9.930	9.833	10.033	670.610	712.500	-5.9
2,4-D	9.025	8.927	9.127	630.620	705.000	-10.6
2,4-DB	10.924	10.827	11.027	664.790	712.500	-6.7
2,4-DCAA	7.768	7.670	7.870	687.550	750.000	-8.3
DICAMBA	7.970	7.872	8.072	661.910	705.000	-6.1
DICHLORPROP	8.689	8.591	8.791	635.760	705.000	-9.8
Dinoseb	11.310	11.211	11.411	654.820	705.000	-7.1

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

Analytical Sequence

Client: CDM Smith **SDG No.:** Q2413

Project: South River WM Replacement **Instrument ID:** ECD_S

GC Column: RTX-CLP **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 06/18/2025 06/18/2025

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

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCAA RT #	RT #
I.BLK	I.BLK	06/18/2025	11:01	PS030738.D	7.35	0.00
HSTDICC200	HSTDICC200	06/18/2025	11:25	PS030739.D	7.35	0.00
HSTDICC500	HSTDICC500	06/18/2025	11:49	PS030740.D	7.35	0.00
HSTDICC750	HSTDICC750	06/18/2025	12:13	PS030741.D	7.35	0.00
HSTDICC1000	HSTDICC1000	06/18/2025	12:37	PS030742.D	7.35	0.00
HSTDICC1500	HSTDICC1500	06/18/2025	13:29	PS030743.D	7.35	0.00
I.BLK	I.BLK	06/27/2025	16:40	PS030837.D	7.34	0.00
PSTDCCC750	PSTDCCC750	06/27/2025	17:04	PS030838.D	7.34	0.00
PB168634BS	PB168634BS	06/27/2025	17:52	PS030840.D	7.34	0.00
MH-M/NMS	Q2405-01MS	06/27/2025	18:40	PS030842.D	7.34	0.00
MH-M/NMSD	Q2405-01MSD	06/27/2025	19:04	PS030843.D	7.34	0.00
TP-35	Q2413-01	06/27/2025	19:29	PS030844.D	7.34	0.00
TP-34	Q2413-02	06/27/2025	19:53	PS030845.D	7.34	0.00
TP-77	Q2413-03	06/27/2025	20:17	PS030846.D	7.34	0.00
TP-74	Q2413-04	06/27/2025	20:41	PS030847.D	7.34	0.00
TP-73	Q2413-05	06/27/2025	21:05	PS030848.D	7.34	0.00
I.BLK	I.BLK	06/27/2025	21:29	PS030849.D	7.34	0.00
PSTDCCC750	PSTDCCC750	06/27/2025	21:53	PS030850.D	7.34	0.00
TP-72	Q2413-06	06/27/2025	22:41	PS030851.D	7.34	0.00
I.BLK	I.BLK	06/28/2025	01:31	PS030858.D	7.34	0.00
PSTDCCC750	PSTDCCC750	06/28/2025	01:55	PS030859.D	7.34	0.00
I.BLK	I.BLK	06/30/2025	09:29	PS030861.D	7.34	0.00
PSTDCCC750	PSTDCCC750	06/30/2025	13:00	PS030862.D	7.34	0.00
PB168634BL	PB168634BL	06/30/2025	16:33	PS030863.D	7.34	0.00
I.BLK	I.BLK	06/30/2025	17:25	PS030865.D	7.34	0.00
PSTDCCC750	PSTDCCC750	06/30/2025	17:49	PS030866.D	7.34	0.00

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

Analytical Sequence

Client: CDM Smith **SDG No.:** Q2413

Project: South River WM Replacement **Instrument ID:** ECD_S

GC Column: RTX-CLP2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 06/18/2025 06/18/2025

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

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCAA RT #	RT #
I.BLK	I.BLK	06/18/2025	11:01	PS030738.D	7.77	0.00
HSTDICC200	HSTDICC200	06/18/2025	11:25	PS030739.D	7.77	0.00
HSTDICC500	HSTDICC500	06/18/2025	11:49	PS030740.D	7.77	0.00
HSTDICC750	HSTDICC750	06/18/2025	12:13	PS030741.D	7.77	0.00
HSTDICC1000	HSTDICC1000	06/18/2025	12:37	PS030742.D	7.77	0.00
HSTDICC1500	HSTDICC1500	06/18/2025	13:29	PS030743.D	7.77	0.00
I.BLK	I.BLK	06/27/2025	16:40	PS030837.D	7.77	0.00
PSTDCCC750	PSTDCCC750	06/27/2025	17:04	PS030838.D	7.77	0.00
PB168634BS	PB168634BS	06/27/2025	17:52	PS030840.D	7.77	0.00
MH-M/NMS	Q2405-01MS	06/27/2025	18:40	PS030842.D	7.77	0.00
MH-M/NMSD	Q2405-01MSD	06/27/2025	19:04	PS030843.D	7.77	0.00
TP-35	Q2413-01	06/27/2025	19:29	PS030844.D	7.77	0.00
TP-34	Q2413-02	06/27/2025	19:53	PS030845.D	7.77	0.00
TP-77	Q2413-03	06/27/2025	20:17	PS030846.D	7.77	0.00
TP-74	Q2413-04	06/27/2025	20:41	PS030847.D	7.77	0.00
TP-73	Q2413-05	06/27/2025	21:05	PS030848.D	7.77	0.00
I.BLK	I.BLK	06/27/2025	21:29	PS030849.D	7.77	0.00
PSTDCCC750	PSTDCCC750	06/27/2025	21:53	PS030850.D	7.77	0.00
TP-72	Q2413-06	06/27/2025	22:41	PS030851.D	7.77	0.00
I.BLK	I.BLK	06/28/2025	01:31	PS030858.D	7.77	0.00
PSTDCCC750	PSTDCCC750	06/28/2025	01:55	PS030859.D	7.77	0.00
I.BLK	I.BLK	06/30/2025	09:29	PS030861.D	7.77	0.00
PSTDCCC750	PSTDCCC750	06/30/2025	13:00	PS030862.D	7.76	0.00
PB168634BL	PB168634BL	06/30/2025	16:33	PS030863.D	7.76	0.00
I.BLK	I.BLK	06/30/2025	17:25	PS030865.D	7.77	0.00
PSTDCCC750	PSTDCCC750	06/30/2025	17:49	PS030866.D	7.77	0.00

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

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

MH-M/NMS

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2413 **SAS No.:** Q2413 **SDG NO.:** Q2413

Lab Sample ID: Q2405-01MS **Date(s) Analyzed:** 06/27/2025 06/27/2025

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

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

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
DICHLORPROP	1	8.24	8.19	8.29	109	4.5
	2	8.69	8.64	8.74	114	
2,4-D	1	8.48	8.43	8.53	131	13
	2	9.02	8.97	9.07	115	
2,4,5-TP(Silvex)	1	9.36	9.31	9.41	113	0.9
	2	9.93	9.88	9.98	114	
2,4,5-T	1	9.66	9.61	9.71	112	2.7
	2	10.36	10.31	10.41	109	
2,4-DB	1	10.24	10.19	10.29	91.5	12.8
	2	10.92	10.87	10.97	104	
Dinoseb	1	11.45	11.40	11.50	15.3	0.7
	2	11.31	11.26	11.36	15.4	
DICAMBA	1	7.53	7.48	7.58	101	0
	2	7.97	7.92	8.02	101	

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

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

MH-M/NMSD

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2413 **SAS No.:** Q2413 **SDG NO.:** Q2413

Lab Sample ID: Q2405-01MSD **Date(s) Analyzed:** 06/27/2025 06/27/2025

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

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

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
2,4,5-TP(Silvex)	1	9.36	9.31	9.41	113	0.9
	2	9.93	9.88	9.98	114	
2,4,5-T	1	9.66	9.61	9.71	113	3.6
	2	10.36	10.31	10.41	109	
DICHLORPROP	1	8.24	8.19	8.29	109	1.8
	2	8.69	8.64	8.74	111	
2,4-D	1	8.48	8.43	8.53	132	9.5
	2	9.02	8.97	9.07	120	
2,4-DB	1	10.24	10.19	10.29	93.9	10.2
	2	10.92	10.87	10.97	104	
Dinoseb	1	11.45	11.40	11.50	16.0	3.2
	2	11.31	11.26	11.36	15.5	
DICAMBA	1	7.53	7.48	7.58	100	1
	2	7.97	7.92	8.02	101	

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

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB168634BS

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2413 **SAS No.:** Q2413 **SDG NO.:** Q2413

Lab Sample ID: PB168634BS **Date(s) Analyzed:** 06/27/2025 06/27/2025

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

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

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
DICHLORPROP	1	8.24	8.19	8.29	156	0.6
	2	8.69	8.64	8.74	155	
Dinoseb	1	11.45	11.40	11.50	167	5.5
	2	11.31	11.26	11.36	158	
DICAMBA	1	7.53	7.48	7.58	163	1.9
	2	7.97	7.92	8.02	160	
2,4,5-T	1	9.66	9.61	9.71	174	5.3
	2	10.36	10.31	10.41	165	
2,4,5-TP(Silvex)	1	9.36	9.31	9.41	168	3
	2	9.93	9.88	9.98	163	
2,4-D	1	8.48	8.43	8.53	160	2.5
	2	9.02	8.97	9.07	156	
2,4-DB	1	10.24	10.19	10.29	183	12.8
	2	10.92	10.87	10.97	161	