

LAB CHRONICLE

OrderID:	Q2458	OrderDate:	6/27/2025 4:22:00 PM
Client:	CDM Smith	Project:	South River WM Replacement
Contact:	Marcie Ann Encinas	Location:	D51,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2458-01	TP-76	SOIL			06/26/25			06/27/25
			Diesel Range Organics	8015D		07/02/25	07/02/25	
			Gasoline Range Organics	8015D			06/30/25	
			Herbicide	8151A		07/02/25	07/08/25	
			PCB	8082A		07/01/25	07/01/25	
			Pesticide-TCL	8081B		07/01/25	07/01/25	
Q2458-02	TP-55	SOIL			06/26/25			06/27/25
			Diesel Range Organics	8015D		07/02/25	07/03/25	
			Gasoline Range Organics	8015D			06/30/25	
			Herbicide	8151A		07/02/25	07/07/25	
			PCB	8082A		07/01/25	07/01/25	
			Pesticide-TCL	8081B		07/01/25	07/01/25	
Q2458-03	TP-68	SOIL			06/27/25			06/27/25
			Gasoline Range Organics	8015D			06/30/25	
			PCB	8082A		07/01/25	07/01/25	
			Diesel Range Organics	8015D		07/02/25	07/02/25	
			Herbicide	8151A		07/02/25	07/07/25	
			Pesticide-TCL	8081B		07/01/25	07/01/25	
Q2458-04	TP-67	SOIL			06/27/25			06/27/25
			Diesel Range Organics	8015D		07/02/25	07/02/25	
			Gasoline Range Organics	8015D			06/30/25	
			Herbicide	8151A		07/02/25	07/07/25	
			PCB	8082A		07/01/25	07/01/25	
			Pesticide-TCL	8081B		07/01/25	07/01/25	
Q2458-05	TP-66	SOIL			06/27/25			06/27/25
			Diesel Range Organics	8015D		07/02/25	07/03/25	
			Gasoline Range Organics	8015D			06/30/25	

LAB CHRONICLE

Q2458-06	TP-60	SOIL	Herbicide	8151A	07/02/25	07/07/25	06/27/25	06/27/25
			PCB	8082A	07/01/25	07/01/25		
			Pesticide-TCL	8081B	07/01/25	07/01/25		
Q2458-07	TP-62	SOIL	Diesel Range Organics	8015D	07/02/25	07/03/25	06/27/25	06/27/25
			Gasoline Range Organics	8015D		06/30/25		
			Herbicide	8151A	07/02/25	07/07/25		
			PCB	8082A	07/01/25	07/01/25		
			Pesticide-TCL	8081B	07/01/25	07/01/25		
Q2458-08	TP-63	SOIL	Diesel Range Organics	8015D	07/02/25	07/02/25	06/27/25	06/27/25
			Gasoline Range Organics	8015D		06/30/25		
			Herbicide	8151A	07/02/25	07/07/25		
			PCB	8082A	07/01/25	07/01/25		
			Pesticide-TCL	8081B	07/01/25	07/01/25		
Q2458-09	TP-59	SOIL	Diesel Range Organics	8015D	07/02/25	07/02/25	06/27/25	06/27/25
			Gasoline Range Organics	8015D		06/30/25		
			Herbicide	8151A	07/02/25	07/07/25		
			PCB	8082A	07/01/25	07/02/25		
			Pesticide-TCL	8081B	07/01/25	07/01/25		
Q2458-10	FB-06272025	Water	Diesel Range Organics	8015D	07/02/25	07/02/25	06/27/25	06/27/25
			Gasoline Range Organics	8015D		07/01/25		
			Herbicide	8151A	07/03/25	07/08/25		
			PCB	8082A	07/02/25	07/02/25		
			Pesticide-TCL	8081B	07/03/25	07/03/25		



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Hit Summary Sheet
SW-846

SDG No.:	Q2458	Order ID:	Q2458
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

Report of Analysis

Client:	CDM Smith	Date Collected:	06/26/25
Project:	South River WM Replacement	Date Received:	06/27/25
Client Sample ID:	TP-76	SDG No.:	Q2458
Lab Sample ID:	Q2458-01	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	90.6
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Herbicide
GPC Factor :	1.0	PH :	
Prep Method :	8151A	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030946.D	1	07/02/25 11:30	07/08/25 11:55	PB168706

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	8.50	U	8.50	73.9	ug/Kg
120-36-5	DICHLORPROP	14.1	U	14.1	73.9	ug/Kg
94-75-7	2,4-D	10.0	U	10.0	73.9	ug/Kg
93-72-1	2,4,5-TP (Silvex)	10.0	U	10.0	73.9	ug/Kg
93-76-5	2,4,5-T	9.60	U	9.60	73.9	ug/Kg
94-82-6	2,4-DB	26.7	U	26.7	73.9	ug/Kg
88-85-7	DINOSEB	11.9	U	11.9	73.9	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	278		10 - 141	56%	SPK: 500

Comments:

U = Not Detected

LOQ = Limit of Quantitation

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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:	CDM Smith	Date Collected:	06/26/25
Project:	South River WM Replacement	Date Received:	06/27/25
Client Sample ID:	TP-55	SDG No.:	Q2458
Lab Sample ID:	Q2458-02	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	91.4
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Herbicide
GPC Factor :	1.0	Injection Volume :	
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030918.D	1	07/02/25 11:30	07/07/25 10:37	PB168706

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	8.50	U	8.50	73.2	ug/Kg
120-36-5	DICHLORPROP	14.0	U	14.0	73.2	ug/Kg
94-75-7	2,4-D	9.90	U	9.90	73.2	ug/Kg
93-72-1	2,4,5-TP (Silvex)	9.90	U	9.90	73.2	ug/Kg
93-76-5	2,4,5-T	9.50	U	9.50	73.2	ug/Kg
94-82-6	2,4-DB	26.4	U	26.4	73.2	ug/Kg
88-85-7	DINOSEB	11.8	U	11.8	73.2	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	60.6		10 - 141	12%	SPK: 500

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Report of Analysis

Client:	CDM Smith	Date Collected:	06/27/25
Project:	South River WM Replacement	Date Received:	06/27/25
Client Sample ID:	TP-68	SDG No.:	Q2458
Lab Sample ID:	Q2458-03	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	92.3
Sample Wt/Vol:	30.02	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Herbicide
GPC Factor :	1.0	Injection Volume :	
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030919.D	1	07/02/25 11:30	07/07/25 11:01	PB168706

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	8.40	U	8.40	72.5	ug/Kg
120-36-5	DICHLORPROP	13.9	U	13.9	72.5	ug/Kg
94-75-7	2,4-D	9.80	U	9.80	72.5	ug/Kg
93-72-1	2,4,5-TP (Silvex)	9.80	U	9.80	72.5	ug/Kg
93-76-5	2,4,5-T	9.40	U	9.40	72.5	ug/Kg
94-82-6	2,4-DB	26.2	U	26.2	72.5	ug/Kg
88-85-7	DINOSEB	11.7	U	11.7	72.5	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	262		10 - 141	52%	SPK: 500

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Report of Analysis

Client:	CDM Smith	Date Collected:	06/27/25
Project:	South River WM Replacement	Date Received:	06/27/25
Client Sample ID:	TP-67	SDG No.:	Q2458
Lab Sample ID:	Q2458-04	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	89.7
Sample Wt/Vol:	30.08	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Herbicide
GPC Factor :	1.0	Injection Volume :	
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030920.D	1	07/02/25 11:30	07/07/25 11:26	PB168706

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	8.60	U	8.60	74.5	ug/Kg
120-36-5	DICHLORPROP	14.2	U	14.2	74.5	ug/Kg
94-75-7	2,4-D	10.1	U	10.1	74.5	ug/Kg
93-72-1	2,4,5-TP (Silvex)	10.1	U	10.1	74.5	ug/Kg
93-76-5	2,4,5-T	9.70	U	9.70	74.5	ug/Kg
94-82-6	2,4-DB	26.9	U	26.9	74.5	ug/Kg
88-85-7	DINOSEB	12.0	U	12.0	74.5	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	352		10 - 141	70%	SPK: 500

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Report of Analysis

Client:	CDM Smith	Date Collected:	06/27/25
Project:	South River WM Replacement	Date Received:	06/27/25
Client Sample ID:	TP-66	SDG No.:	Q2458
Lab Sample ID:	Q2458-05	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	88.3
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Herbicide
GPC Factor :	1.0	Injection Volume :	
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030921.D	1	07/02/25 11:30	07/07/25 11:50	PB168706

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	8.80	U	8.80	75.8	ug/Kg
120-36-5	DICHLORPROP	14.5	U	14.5	75.8	ug/Kg
94-75-7	2,4-D	10.2	U	10.2	75.8	ug/Kg
93-72-1	2,4,5-TP (Silvex)	10.2	U	10.2	75.8	ug/Kg
93-76-5	2,4,5-T	9.80	U	9.80	75.8	ug/Kg
94-82-6	2,4-DB	27.4	U	27.4	75.8	ug/Kg
88-85-7	DINOSEB	12.2	U	12.2	75.8	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	260		10 - 141	52%	SPK: 500

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Report of Analysis

Client:	CDM Smith	Date Collected:	06/27/25
Project:	South River WM Replacement	Date Received:	06/27/25
Client Sample ID:	TP-60	SDG No.:	Q2458
Lab Sample ID:	Q2458-06	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	92.5
Sample Wt/Vol:	30.07	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Herbicide
GPC Factor :	1.0	Injection Volume :	
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030922.D	1	07/02/25 11:30	07/07/25 12:14	PB168706

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	8.40	U	8.40	72.3	ug/Kg
120-36-5	DICHLORPROP	13.8	U	13.8	72.3	ug/Kg
94-75-7	2,4-D	9.80	U	9.80	72.3	ug/Kg
93-72-1	2,4,5-TP (Silvex)	9.80	U	9.80	72.3	ug/Kg
93-76-5	2,4,5-T	9.40	U	9.40	72.3	ug/Kg
94-82-6	2,4-DB	26.1	U	26.1	72.3	ug/Kg
88-85-7	DINOSEB	11.6	U	11.6	72.3	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	174		10 - 141	35%	SPK: 500

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Report of Analysis

Client:	CDM Smith	Date Collected:	06/27/25
Project:	South River WM Replacement	Date Received:	06/27/25
Client Sample ID:	TP-62	SDG No.:	Q2458
Lab Sample ID:	Q2458-07	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	91.1
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Herbicide
GPC Factor :	1.0	Injection Volume :	
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030923.D	1	07/02/25 11:30	07/07/25 12:38	PB168706

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	8.50	U	8.50	73.5	ug/Kg
120-36-5	DICHLORPROP	14.0	U	14.0	73.5	ug/Kg
94-75-7	2,4-D	9.90	U	9.90	73.5	ug/Kg
93-72-1	2,4,5-TP (Silvex)	9.90	U	9.90	73.5	ug/Kg
93-76-5	2,4,5-T	9.50	U	9.50	73.5	ug/Kg
94-82-6	2,4-DB	26.5	U	26.5	73.5	ug/Kg
88-85-7	DINOSEB	11.8	U	11.8	73.5	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	75.5		10 - 141	15%	SPK: 500

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Report of Analysis

Client:	CDM Smith	Date Collected:	06/27/25
Project:	South River WM Replacement	Date Received:	06/27/25
Client Sample ID:	TP-63	SDG No.:	Q2458
Lab Sample ID:	Q2458-08	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	86.4
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Herbicide
GPC Factor :	1.0	Injection Volume :	
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030924.D	1	07/02/25 11:30	07/07/25 13:02	PB168706

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	9.00	U	9.00	77.4	ug/Kg
120-36-5	DICHLORPROP	14.8	U	14.8	77.4	ug/Kg
94-75-7	2,4-D	10.4	U	10.4	77.4	ug/Kg
93-72-1	2,4,5-TP (Silvex)	10.5	U	10.5	77.4	ug/Kg
93-76-5	2,4,5-T	10.0	U	10.0	77.4	ug/Kg
94-82-6	2,4-DB	28.0	U	28.0	77.4	ug/Kg
88-85-7	DINOSEB	12.5	U	12.5	77.4	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	121		10 - 141	24%	SPK: 500

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Report of Analysis

Client:	CDM Smith	Date Collected:	06/27/25
Project:	South River WM Replacement	Date Received:	06/27/25
Client Sample ID:	TP-59	SDG No.:	Q2458
Lab Sample ID:	Q2458-09	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	76.6
Sample Wt/Vol:	30.08	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Herbicide
GPC Factor :	1.0	PH :	
Prep Method :	8151A	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030925.D	1	07/02/25 11:30	07/07/25 13:27	PB168706

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	10.1	U	10.1	87.2	ug/Kg
120-36-5	DICHLORPROP	16.7	U	16.7	87.2	ug/Kg
94-75-7	2,4-D	11.8	U	11.8	87.2	ug/Kg
93-72-1	2,4,5-TP (Silvex)	11.8	U	11.8	87.2	ug/Kg
93-76-5	2,4,5-T	11.3	U	11.3	87.2	ug/Kg
94-82-6	2,4-DB	31.5	U	31.5	87.2	ug/Kg
88-85-7	DINOSEB	14.1	U	14.1	87.2	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	223		10 - 141	45%	SPK: 500

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Report of Analysis

Client:	CDM Smith	Date Collected:	06/27/25
Project:	South River WM Replacement	Date Received:	06/27/25
Client Sample ID:	FB-06272025	SDG No.:	Q2458
Lab Sample ID:	Q2458-10	Matrix:	WATER
Analytical Method:	8151A	% Solid:	0
Sample Wt/Vol:	980	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Herbicide
GPC Factor :	1.0	PH :	
Prep Method :	SW3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030954.D	1	07/03/25 08:57	07/08/25 15:16	PB168717

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
1918-00-9	DICAMBA	0.66	U	0.66	2.00	ug/L
120-36-5	DICHLORPROP	0.78	U	0.78	2.00	ug/L
94-75-7	2,4-D	0.94	U	0.94	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	0.80	U	0.80	2.00	ug/L
93-76-5	2,4,5-T	0.72	U	0.72	2.00	ug/L
94-82-6	2,4-DB	0.66	U	0.66	2.00	ug/L
88-85-7	DINOSEB	0.91	U	0.91	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	448		61 - 136	90%	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.: Q2458

Client: CDM Smith

Analytical Method: 8151A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%)	
								Low	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-PS030916.D	PIBLK-PS030916.D	2,4-DCAA	1	500	421	84		61	136
		2,4-DCAA	2	500	481	96		61	136
Q2458-02	TP-55	2,4-DCAA	1	500	60.0	12		10	141
		2,4-DCAA	2	500	60.6	12		10	141
Q2458-03	TP-68	2,4-DCAA	1	500	262	52		10	141
		2,4-DCAA	2	500	250	50		10	141
Q2458-04	TP-67	2,4-DCAA	1	500	350	70		10	141
		2,4-DCAA	2	500	352	70		10	141
Q2458-05	TP-66	2,4-DCAA	1	500	216	43		10	141
		2,4-DCAA	2	500	260	52		10	141
Q2458-06	TP-60	2,4-DCAA	1	500	166	33		10	141
		2,4-DCAA	2	500	174	35		10	141
Q2458-07	TP-62	2,4-DCAA	1	500	69.9	14		10	141
		2,4-DCAA	2	500	75.5	15		10	141
Q2458-08	TP-63	2,4-DCAA	1	500	102	20		10	141
		2,4-DCAA	2	500	121	24		10	141
Q2458-09	TP-59	2,4-DCAA	1	500	213	43		10	141
		2,4-DCAA	2	500	223	45		10	141
I.BLK-PS030927.D	PIBLK-PS030927.D	2,4-DCAA	1	500	468	94		61	136
		2,4-DCAA	2	500	502	100		61	136
I.BLK-PS030943.D	PIBLK-PS030943.D	2,4-DCAA	1	500	481	96		61	136
		2,4-DCAA	2	500	497	99		61	136
Q2458-01	TP-76	2,4-DCAA	1	500	278	56		10	141
		2,4-DCAA	2	500	275	55		10	141
PB168706BL	PB168706BL	2,4-DCAA	1	500	452	90		10	141
		2,4-DCAA	2	500	489	98		10	141
Q2458-01MS	TP-76MS	2,4-DCAA	1	500	341	68		10	141
		2,4-DCAA	2	500	375	75		10	141
Q2458-01MSD	TP-76MSD	2,4-DCAA	1	500	347	69		10	141
		2,4-DCAA	2	500	378	76		10	141
PB168717BL	PB168717BL	2,4-DCAA	1	500	448	90		61	136
		2,4-DCAA	2	500	479	96		61	136
PB168717BS	PB168717BS	2,4-DCAA	1	500	534	107		61	136
		2,4-DCAA	2	500	509	102		61	136
PB168717BSD	PB168717BSD	2,4-DCAA	1	500	539	108		61	136
		2,4-DCAA	2	500	510	102		61	136
Q2458-10	FB-06272025	2,4-DCAA	1	500	437	87		61	136
		2,4-DCAA	2	500	448	90		61	136
I.BLK-PS030955.D	PIBLK-PS030955.D	2,4-DCAA	1	500	455	91		61	136

Surrogate Summary

SDG No.: Q2458

Client: CDM Smith

Analytical Method: 8151A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%)	
								Low	High
I.BLK-PS030955.D	PIBLK-PS030955.D	2,4-DCAA	2	500	469	94		61	136
I.BLK-PS030958.D	PIBLK-PS030958.D	2,4-DCAA	1	500	456	91		61	136
		2,4-DCAA	2	500	462	92		61	136
PB168706BS	PB168706BS	2,4-DCAA	1	500	538	108		10	141
		2,4-DCAA	2	500	503	101		10	141
I.BLK-PS030966.D	PIBLK-PS030966.D	2,4-DCAA	1	500	449	90		61	136
		2,4-DCAA	2	500	467	93		61	136

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q2458</u>	Analytical Method:	<u>8151A</u>
Client:	<u>CDM Smith</u>	DataFile :	<u>PS030949.D</u>

	Parameter	Spike	Sample		Units	Rec	Rec		RPD		Limits		RPD
			Result	Result			Qual	RPD	Qual	Low	High		
Lab Sample ID:	Q2458-01MS (Column 1)	Client Sample ID:		TP-76MS									
	DICAMBA	183.4	0	86.9	ug/Kg	47				10		112	
	DICHLORPROP	183.4	0	95.6	ug/Kg	52				10		113	
	2,4-D	183.4	0	138	ug/Kg	75				10		144	
	2,4,5-TP(Silvex)	183.4	0	95.3	ug/Kg	52				10		114	
	2,4,5-T	183.4	0	99.8	ug/Kg	54				10		115	
	2,4-DB	183.4	0	97.1	ug/Kg	53				10		140	
	Dinoseb	183.4	0	0	ug/Kg	0	*			10		118	
Lab Sample ID:	Q2458-01MS (Column 2)	Client Sample ID:		TP-76MS									
	DICAMBA	183.4	0	84.8	ug/Kg	46				10		112	
	DICHLORPROP	183.4	0	103	ug/Kg	56				10		113	
	2,4-D	183.4	0	94.4	ug/Kg	51				10		144	
	2,4,5-TP(Silvex)	183.4	0	97.3	ug/Kg	53				10		114	
	2,4,5-T	183.4	0	91.0	ug/Kg	50				10		115	
	2,4-DB	183.4	0	85.1	ug/Kg	46				10		140	
	Dinoseb	183.4	0	0	ug/Kg	0	*			10		118	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q2458</u>	Analytical Method:	<u>8151A</u>
Client:	<u>CDM Smith</u>	DataFile :	<u>PS030950.D</u>

	Parameter	Spike	Sample		Units	Rec	Rec		RPD		Limits	
			Result	Result			Qual	RPD	Qual	Low	High	RPD
Lab Sample ID:	Q2458-01MSD (Column 1)	Client Sample ID:		TP-76MSD								
	DICAMBA	183.6	0	88.8	ug/Kg	48		2		10	112	20
	DICHLORPROP	183.6	0	95.0	ug/Kg	52		0		10	113	20
	2,4-D	183.6	0	139	ug/Kg	76		1		10	144	20
	2,4,5-TP(Silvex)	183.6	0	95.9	ug/Kg	52		0		10	114	20
	2,4,5-T	183.6	0	101	ug/Kg	55		2		10	115	20
	2,4-DB	183.6	0	95.5	ug/Kg	52		2		10	140	20
	Dinoseb	183.6	0	0	ug/Kg	0	*	0		10	118	20
Lab Sample ID:	Q2458-01MSD (Column 2)	Client Sample ID:		TP-76MSD								
	DICAMBA	183.6	0	86.3	ug/Kg	47		2		10	112	20
	DICHLORPROP	183.6	0	99.3	ug/Kg	54		4		10	113	20
	2,4-D	183.6	0	95.4	ug/Kg	52		2		10	144	20
	2,4,5-TP(Silvex)	183.6	0	96.8	ug/Kg	53		0		10	114	20
	2,4,5-T	183.6	0	90.4	ug/Kg	49		2		10	115	20
	2,4-DB	183.6	0	98.8	ug/Kg	54		16		10	140	20
	Dinoseb	183.6	0	0	ug/Kg	0	*	0		10	118	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q2458</u>	Analytical Method:	<u>8151A</u>
Client:	<u>CDM Smith</u>	Datafile :	<u>PS030952.D</u>

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB168717BS (Column 1)	DICAMBA	5	5.10	ug/L	102				67	136	
	DICHLORPROP	5	4.90	ug/L	98				88	119	
	2,4-D	5	5.20	ug/L	104				83	130	
	2,4,5-TP(Silvex)	5	5.30	ug/L	106				78	127	
	2,4,5-T	5	5.70	ug/L	114				74	129	
	2,4-DB	5	6.00	ug/L	120				53	149	
	Dinoseb	5	5.10	ug/L	102				72	131	
PB168717BS (Column 2)	DICAMBA	5	4.90	ug/L	98				67	136	
	DICHLORPROP	5	4.70	ug/L	94				88	119	
	2,4-D	5	4.60	ug/L	92				83	130	
	2,4,5-TP(Silvex)	5	5.00	ug/L	100				78	127	
	2,4,5-T	5	5.10	ug/L	102				74	129	
	2,4-DB	5	4.90	ug/L	98				53	149	
	Dinoseb	5	4.60	ug/L	92				72	131	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q2458</u>	Analytical Method:	<u>8151A</u>
Client:	<u>CDM Smith</u>	Datafile :	<u>PS030953.D</u>

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB168717BSD (Column 1)	DICAMBA	5	5.00	ug/L	100	2			67	136	20
	DICHLORPROP	5	4.90	ug/L	98	0			88	119	20
	2,4-D	5	5.90	ug/L	118	13			83	130	20
	2,4,5-TP(Silvex)	5	5.30	ug/L	106	0			78	127	20
	2,4,5-T	5	5.60	ug/L	112	2			74	129	20
	2,4-DB	5	6.00	ug/L	120	0			53	149	20
	Dinoseb	5	5.10	ug/L	102	0			72	131	20
	DICAMBA	5	4.90	ug/L	98	0			67	136	20
PB168717BSD (Column 2)	DICHLORPROP	5	4.70	ug/L	94	0			88	119	20
	2,4-D	5	4.90	ug/L	98	6			83	130	20
	2,4,5-TP(Silvex)	5	5.00	ug/L	100	0			78	127	20
	2,4,5-T	5	5.10	ug/L	102	0			74	129	20
	2,4-DB	5	4.90	ug/L	98	0			53	149	20
	Dinoseb	5	4.70	ug/L	94	2			72	131	20
	DICAMBA	5	5.00	ug/L	100	2			67	136	20

**SW-846**

Datafile : PS030965.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD	Limits	
								Qual	Low	High
PB168706BS (Column 1)	DICAMBA	166.5	171	ug/Kg	103				72	129
	DICHLORPROP	166.5	163	ug/Kg	98				77	135
	2,4-D	166.5	184	ug/Kg	111				65	144
	2,4,5-TP(Silvex)	166.5	176	ug/Kg	106				74	146
	2,4,5-T	166.5	183	ug/Kg	110				77	134
	2,4-DB	166.5	192	ug/Kg	115				72	122
	Dinoseb	166.5	170	ug/Kg	102				74	132
PB168706BS (Column 2)	DICAMBA	166.5	161	ug/Kg	97				72	129
	DICHLORPROP	166.5	159	ug/Kg	95				77	135
	2,4-D	166.5	153	ug/Kg	92				65	144
	2,4,5-TP(Silvex)	166.5	167	ug/Kg	100				74	146
	2,4,5-T	166.5	167	ug/Kg	100				77	134
	2,4-DB	166.5	161	ug/Kg	97				72	122
	Dinoseb	166.5	155	ug/Kg	93				74	132

4C

PESTICIDE METHOD BLANK SUMMARY

Client ID

PB168706BL

Lab Name: Alliance

Contract: CAMP02

Lab Code: ACE

SDG NO.: Q2458

Lab Sample ID: PB168706BL

Lab File ID: PS030947.D

Matrix: (soil/water) Solid

Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N

Date Extracted: 07/02/2025

Date Analyzed (1): 07/08/2025

Date Analyzed (2): 07/08/2025

Time Analyzed (1): 12:19

Time Analyzed (2): 12:19

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
TP-55	Q2458-02	PS030918.D	07/07/2025	07/07/2025
TP-68	Q2458-03	PS030919.D	07/07/2025	07/07/2025
TP-67	Q2458-04	PS030920.D	07/07/2025	07/07/2025
TP-66	Q2458-05	PS030921.D	07/07/2025	07/07/2025
TP-60	Q2458-06	PS030922.D	07/07/2025	07/07/2025
TP-62	Q2458-07	PS030923.D	07/07/2025	07/07/2025
TP-63	Q2458-08	PS030924.D	07/07/2025	07/07/2025
TP-59	Q2458-09	PS030925.D	07/07/2025	07/07/2025
TP-76	Q2458-01	PS030946.D	07/08/2025	07/08/2025
TP-76MS	Q2458-01MS	PS030949.D	07/08/2025	07/08/2025
TP-76MSD	Q2458-01MSD	PS030950.D	07/08/2025	07/08/2025
PB168706BS	PB168706BS	PS030965.D	07/09/2025	07/09/2025

COMMENTS: _____

4C

PESTICIDE METHOD BLANK SUMMARY

Client ID

PB168717BL

Lab Name: Alliance

Contract: CAMP02

Lab Code: ACE

SDG NO.: Q2458

Lab Sample ID: PB168717BL

Lab File ID: PS030951.D

Matrix: (soil/water) WATER

Extraction: (Type) SEPF

Sulfur Cleanup: (Y/N) N

Date Extracted: 07/03/2025

Date Analyzed (1): 07/08/2025

Date Analyzed (2): 07/08/2025

Time Analyzed (1): 13:56

Time Analyzed (2): 13:56

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
PB168717BS	PB168717BS	PS030952.D	07/08/2025	07/08/2025
PB168717BSD	PB168717BSD	PS030953.D	07/08/2025	07/08/2025
FB-06272025	Q2458-10	PS030954.D	07/08/2025	07/08/2025

COMMENTS: _____



QC SAMPLE DATA

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB168706BL	SDG No.:	Q2458
Lab Sample ID:	PB168706BL	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	100
Sample Wt/Vol:	30.01	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Herbicide
GPC Factor :	1.0	PH :	
Prep Method :	8151A	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030947.D	1	07/02/25 11:30	07/08/25 12:19	PB168706

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	489		10 - 141	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:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB168717BL	SDG No.:	Q2458
Lab Sample ID:	PB168717BL	Matrix:	WATER
Analytical Method:	8151A	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Herbicide
GPC Factor :	1.0	PH :	
Prep Method :	SW3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030951.D	1	07/03/25 08:57	07/08/25 13:56	PB168717

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	479		61 - 136	96%	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:	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.:	Q2458
Lab Sample ID:	I.BLK-PS030738.D	Matrix:	WATER
Analytical Method:	8151A	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Herbicide
GPC Factor :	1.0	PH :	
Prep Method :	SW3510C	Injection Volume :	

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

Report of Analysis

Client:	CDM Smith	Date Collected:	07/07/25
Project:	South River WM Replacement	Date Received:	07/07/25
Client Sample ID:	PIBLK-PS030916.D	SDG No.:	Q2458
Lab Sample ID:	I.BLK-PS030916.D	Matrix:	WATER
Analytical Method:	8151A	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Herbicide
GPC Factor :	1.0	PH :	
Prep Method :	SW3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030916.D	1		07/07/25	PS070725

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	481		61 - 136	96%	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:	CDM Smith	Date Collected:	07/07/25
Project:	South River WM Replacement	Date Received:	07/07/25
Client Sample ID:	PIBLK-PS030927.D	SDG No.:	Q2458
Lab Sample ID:	I.BLK-PS030927.D	Matrix:	WATER
Analytical Method:	8151A	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Herbicide
GPC Factor :	1.0	PH :	
Prep Method :	SW3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030927.D	1		07/07/25	PS070725

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	502		61 - 136	100%	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:	CDM Smith	Date Collected:	07/08/25
Project:	South River WM Replacement	Date Received:	07/08/25
Client Sample ID:	PIBLK-PS030943.D	SDG No.:	Q2458
Lab Sample ID:	I.BLK-PS030943.D	Matrix:	WATER
Analytical Method:	8151A	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Herbicide
GPC Factor :	1.0	PH :	
Prep Method :	SW3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030943.D	1		07/08/25	PS070825

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	497		61 - 136	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:	CDM Smith	Date Collected:	07/08/25
Project:	South River WM Replacement	Date Received:	07/08/25
Client Sample ID:	PIBLK-PS030955.D	SDG No.:	Q2458
Lab Sample ID:	I.BLK-PS030955.D	Matrix:	WATER
Analytical Method:	8151A	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Herbicide
GPC Factor :	1.0	PH :	
Prep Method :	SW3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030955.D	1		07/08/25	ps070825

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	469		61 - 136	94%	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:	CDM Smith	Date Collected:	07/09/25
Project:	South River WM Replacement	Date Received:	07/09/25
Client Sample ID:	PIBLK-PS030958.D	SDG No.:	Q2458
Lab Sample ID:	I.BLK-PS030958.D	Matrix:	WATER
Analytical Method:	8151A	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Herbicide
GPC Factor :	1.0	PH :	
Prep Method :	SW3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030958.D	1		07/09/25	PS070925

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	462		61 - 136	92%	SPK: 500

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Report of Analysis

Client:	CDM Smith	Date Collected:	07/09/25
Project:	South River WM Replacement	Date Received:	07/09/25
Client Sample ID:	PIBLK-PS030966.D	SDG No.:	Q2458
Lab Sample ID:	I.BLK-PS030966.D	Matrix:	WATER
Analytical Method:	8151A	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Herbicide
GPC Factor :	1.0	PH :	
Prep Method :	SW3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030966.D	1		07/09/25	ps070925

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	467		61 - 136	93%	SPK: 500

Comments:

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LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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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:	CDM Smith		Date Collected:		
Project:	South River WM Replacement		Date Received:		
Client Sample ID:	PB168706BS		SDG No.:	Q2458	
Lab Sample ID:	PB168706BS		Matrix:	SOIL	
Analytical Method:	8151A		% 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
PS030965.D	1	07/02/25 11:30	07/09/25 14:04	PB168706

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	171		7.70	66.9	ug/Kg
120-36-5	DICHLORPROP	163		12.8	66.9	ug/Kg
94-75-7	2,4-D	184		9.00	66.9	ug/Kg
93-72-1	2,4,5-TP (Silvex)	176		9.10	66.9	ug/Kg
93-76-5	2,4,5-T	183		8.70	66.9	ug/Kg
94-82-6	2,4-DB	192		24.2	66.9	ug/Kg
88-85-7	DINOSEB	170		10.8	66.9	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	538		10 - 141	108%	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:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB168717BS	SDG No.:	Q2458
Lab Sample ID:	PB168717BS	Matrix:	WATER
Analytical Method:	8151A	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Herbicide
GPC Factor :	1.0	PH :	
Prep Method :	SW3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030952.D	1	07/03/25 08:57	07/08/25 14:20	PB168717

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
1918-00-9	DICAMBA	5.10		0.65	2.00	ug/L
120-36-5	DICHLORPROP	4.90		0.76	2.00	ug/L
94-75-7	2,4-D	5.20		0.92	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	5.30		0.78	2.00	ug/L
93-76-5	2,4,5-T	5.70		0.71	2.00	ug/L
94-82-6	2,4-DB	6.00		0.65	2.00	ug/L
88-85-7	DINOSEB	5.10		0.89	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	534		61 - 136	107%	SPK: 500

Comments:

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MDL = Method Detection Limit

LOD = Limit of Detection

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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:	CDM Smith		Date Collected:		
Project:	South River WM Replacement		Date Received:		
Client Sample ID:	PB168717BSD		SDG No.:	Q2458	
Lab Sample ID:	PB168717BSD		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
PS030953.D	1	07/03/25 08:57	07/08/25 14:52	PB168717

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
1918-00-9	DICAMBA	5.00		0.65	2.00	ug/L
120-36-5	DICHLORPROP	4.90		0.76	2.00	ug/L
94-75-7	2,4-D	5.90		0.92	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	5.30		0.78	2.00	ug/L
93-76-5	2,4,5-T	5.60		0.71	2.00	ug/L
94-82-6	2,4-DB	6.00		0.65	2.00	ug/L
88-85-7	DINOSEB	5.10		0.89	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	539		61 - 136	108%	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:	CDM Smith	Date Collected:	06/26/25
Project:	South River WM Replacement	Date Received:	06/27/25
Client Sample ID:	TP-76MS	SDG No.:	Q2458
Lab Sample ID:	Q2458-01MS	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	90.6
Sample Wt/Vol:	30.09	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Herbicide
GPC Factor :	1.0	Injection Volume :	
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030949.D	1	07/02/25 11:30	07/08/25 13:07	PB168706

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	86.9		8.50	73.7	ug/Kg
120-36-5	DICHLORPROP	103		14.1	73.7	ug/Kg
94-75-7	2,4-D	138		9.90	73.7	ug/Kg
93-72-1	2,4,5-TP (Silvex)	97.3		10.0	73.7	ug/Kg
93-76-5	2,4,5-T	99.8		9.60	73.7	ug/Kg
94-82-6	2,4-DB	97.1		26.6	73.7	ug/Kg
88-85-7	DINOSEB	11.9	U	11.9	73.7	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:	CDM Smith	Date Collected:	06/26/25
Project:	South River WM Replacement	Date Received:	06/27/25
Client Sample ID:	TP-76MSD	SDG No.:	Q2458
Lab Sample ID:	Q2458-01MSD	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	90.6
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Herbicide
GPC Factor :	1.0	Injection Volume :	
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030950.D	1	07/02/25 11:30	07/08/25 13:32	PB168706

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	88.8		8.50	73.8	ug/Kg
120-36-5	DICHLORPROP	99.3		14.1	73.8	ug/Kg
94-75-7	2,4-D	139		10.0	73.8	ug/Kg
93-72-1	2,4,5-TP (Silvex)	96.8		10.0	73.8	ug/Kg
93-76-5	2,4,5-T	101		9.60	73.8	ug/Kg
94-82-6	2,4-DB	98.8		26.7	73.8	ug/Kg
88-85-7	DINOSEB	11.9	U	11.9	73.8	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	378		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

A
B
C
D
E
F
G
H

Calibration Times: 11:25 13:29

LAB FILE ID:	RT 200 =	<u>PS030739.D</u>	RT 500 =	<u>PS030740.D</u>
	RT 750 =	PS030741.D	RT 1000 =	PS030742.D
			RT 1500 =	PS030743.D

[illegible]

RETENTION TIMES OF INITIAL CALIBRATION

Lab Name: Alliance

Contract: **CAMP02**

Lab Code: ACE

SDG NO.: Q2458

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 =	<u>PS030739.D</u>	RT 500 =	<u>PS030740.D</u>
	RT 750 =	PS030741.D	RT 1000 =	PS030742.D
			RT 1500 =	PS030743.D

[illegible]

CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_S

Contract: CAMP02
SDG NO.: Q2458

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 = <u>PS030739.D</u>	CF 500 = <u>PS030740.D</u>
CF 750 = <u>PS030741.D</u>	CF 1000 = <u>PS030742.D</u>	CF 1500 = <u>PS030743.D</u>

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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_S

Contract: CAMP02
SDG NO.: Q2458

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 =	<u>PS030739.D</u>	CF 500 =	<u>PS030740.D</u>		
CF 750 =		<u>PS030741.D</u>	CF 1000 =	<u>PS030742.D</u>	CF 1500 =	<u>PS030743.D</u>	
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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: CAMP02

Lab Code: ACE

SDG NO.: Q2458

Continuing Calib Date: 07/07/2025

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

06/18/2025

Continuing Calib Time: 10:01

Initial Calibration Time(s): 11:25

13:29

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM 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	9.65	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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: CAMP02

Lab Code: ACE

SDG NO.: Q2458

Continuing Calib Date: 07/07/2025

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

06/18/2025

Continuing Calib Time: 10:01

Initial Calibration Time(s): 11:25

13:29

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM 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	10.35	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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CAMP02
Lab Code: ACE **SDG NO.:** Q2458
GC Column: RTX-CLP **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/18/2025 06/18/2025

Client Sample No.: CCAL01 **Date Analyzed:** 07/07/2025
Lab Sample No.: HSTDCCC750 **Data File :** PS030917.D **Time Analyzed:** 10:01

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-T	9.652	9.568	9.768	748.000	712.500	5.0
2,4,5-TP(Silvex)	9.358	9.275	9.475	696.660	712.500	-2.2
2,4-D	8.472	8.386	8.586	674.060	705.000	-4.4
2,4-DB	10.229	10.147	10.347	737.940	712.500	3.6
2,4-DCAA	7.337	7.249	7.449	690.210	750.000	-8.0
DICAMBA	7.526	7.439	7.639	672.540	705.000	-4.6
DICHLORPROP	8.240	8.153	8.353	630.010	705.000	-10.6
Dinoseb	11.446	11.366	11.566	693.780	705.000	-1.6

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CAMP02
Lab Code: ACE **SDG NO.:** Q2458
GC Column: RTX-CLP2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/18/2025 06/18/2025

Client Sample No.: CCAL01 **Date Analyzed:** 07/07/2025
Lab Sample No.: HSTDCCC750 **Data File :** PS030917.D **Time Analyzed:** 10:01

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	10.354	10.259	10.459	711.460	712.500	-0.1
2,4,5-TP(Silvex)	9.929	9.833	10.033	701.470	712.500	-1.5
2,4-D	9.024	8.927	9.127	668.430	705.000	-5.2
2,4-DB	10.922	10.827	11.027	689.590	712.500	-3.2
2,4-DCAA	7.767	7.670	7.870	717.630	750.000	-4.3
DICAMBA	7.969	7.872	8.072	695.230	705.000	-1.4
DICHLORPROP	8.688	8.591	8.791	656.420	705.000	-6.9
Dinoseb	11.307	11.211	11.411	670.630	705.000	-4.9

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: CAMP02

Lab Code: ACE

SDG NO.: Q2458

Continuing Calib Date: 07/07/2025

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

06/18/2025

Continuing Calib Time: 19:11

Initial Calibration Time(s): 11:25

13:29

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
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	9.65	9.67	9.57	9.77	0.02
2,4-DB	10.23	10.25	10.15	10.35	0.02
Dinoseb	11.44	11.47	11.37	11.57	0.03

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: CAMP02

Lab Code: ACE

SDG NO.: Q2458

Continuing Calib Date: 07/07/2025

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

06/18/2025

Continuing Calib Time: 19:11

Initial Calibration Time(s): 11:25

13:29

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM 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	10.35	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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CAMP02
Lab Code: ACE **SDG NO.:** Q2458
GC Column: RTX-CLP **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/18/2025 06/18/2025

Client Sample No.: CCAL02 **Date Analyzed:** 07/07/2025
Lab Sample No.: HSTDCCC750 **Data File :** PS030928.D **Time Analyzed:** 19:11

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-T	9.651	9.568	9.768	748.840	712.500	5.1
2,4,5-TP(Silvex)	9.357	9.275	9.475	704.070	712.500	-1.2
2,4-D	8.471	8.386	8.586	678.950	705.000	-3.7
2,4-DB	10.228	10.147	10.347	805.880	712.500	13.1
2,4-DCAA	7.336	7.249	7.449	705.080	750.000	-6.0
DICAMBA	7.526	7.439	7.639	681.450	705.000	-3.3
DICHLORPROP	8.239	8.153	8.353	640.190	705.000	-9.2
Dinoseb	11.444	11.366	11.566	689.280	705.000	-2.2

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CAMP02
Lab Code: ACE **SDG NO.:** Q2458
GC Column: RTX-CLP2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/18/2025 06/18/2025

Client Sample No.: CCAL02 **Date Analyzed:** 07/07/2025
Lab Sample No.: HSTDCCC750 **Data File :** PS030928.D **Time Analyzed:** 19:11

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	10.354	10.259	10.459	685.380	712.500	-3.8
2,4,5-TP(Silvex)	9.928	9.833	10.033	679.920	712.500	-4.6
2,4-D	9.023	8.927	9.127	639.930	705.000	-9.2
2,4-DB	10.921	10.827	11.027	670.940	712.500	-5.8
2,4-DCAA	7.766	7.670	7.870	691.990	750.000	-7.7
DICAMBA	7.968	7.872	8.072	671.890	705.000	-4.7
DICHLORPROP	8.687	8.591	8.791	637.410	705.000	-9.6
Dinoseb	11.306	11.211	11.411	648.840	705.000	-8.0

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: CAMP02

Lab Code: ACE

SDG NO.: Q2458

Continuing Calib Date: 07/08/2025

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

Continuing Calib Time: 09:27

Initial Calibration Time(s): 11:25 13:29

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM 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	9.65	9.67	9.57	9.77	0.02
2,4-DB	10.23	10.25	10.15	10.35	0.02
Dinoseb	11.44	11.47	11.37	11.57	0.03

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: CAMP02

Lab Code: ACE

SDG NO.: Q2458

Continuing Calib Date: 07/08/2025

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

Continuing Calib Time: 09:27

Initial Calibration Time(s): 11:25 13:29

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM 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	0.01
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	10.35	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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CAMP02
Lab Code: ACE **SDG NO.:** Q2458
GC Column: RTX-CLP **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/18/2025 06/18/2025

Client Sample No.: CCAL03 **Date Analyzed:** 07/08/2025
Lab Sample No.: PSTDCCC750 **Data File :** PS030944.D **Time Analyzed:** 09:27

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-T	9.651	9.568	9.768	770.730	712.500	8.2
2,4,5-TP(Silvex)	9.357	9.275	9.475	720.850	712.500	1.2
2,4-D	8.470	8.386	8.586	697.260	705.000	-1.1
2,4-DB	10.227	10.147	10.347	791.680	712.500	11.1
2,4-DCAA	7.336	7.249	7.449	733.720	750.000	-2.2
DICAMBA	7.525	7.439	7.639	690.450	705.000	-2.1
DICHLORPROP	8.238	8.153	8.353	650.710	705.000	-7.7
Dinoseb	11.444	11.366	11.566	691.050	705.000	-2.0

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CAMP02
Lab Code: ACE **SDG NO.:** Q2458
GC Column: RTX-CLP2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/18/2025 06/18/2025

Client Sample No.: CCAL03 **Date Analyzed:** 07/08/2025
Lab Sample No.: PSTDCCC750 **Data File :** PS030944.D **Time Analyzed:** 09:27

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-T	10.353	10.259	10.459	690.590	712.500	-3.1
2,4,5-TP(Silvex)	9.927	9.833	10.033	686.060	712.500	-3.7
2,4-D	9.022	8.927	9.127	643.990	705.000	-8.7
2,4-DB	10.921	10.827	11.027	675.660	712.500	-5.2
2,4-DCAA	7.765	7.670	7.870	691.710	750.000	-7.8
DICAMBA	7.967	7.872	8.072	676.030	705.000	-4.1
DICHLORPROP	8.686	8.591	8.791	652.190	705.000	-7.5
Dinoseb	11.305	11.211	11.411	642.510	705.000	-8.9

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: CAMP02

Lab Code: ACE

SDG NO.: Q2458

Continuing Calib Date: 07/08/2025

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

06/18/2025

Continuing Calib Time: 16:05

Initial Calibration Time(s): 11:25

13:29

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
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	9.65	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

CALIBRATION VERIFICATION SUMMARY

Lab Name:	<u>Alliance</u>	Contract:	<u>CAMP02</u>
Lab Code:	<u>ACE</u>	SDG NO.:	<u>Q2458</u>
Continuing Calib Date:	<u>07/08/2025</u>	Initial Calibration Date(s):	<u>06/18/2025</u> <u>06/18/2025</u>
Continuing Calib Time:	<u>16:05</u>	Initial Calibration Time(s):	<u>11:25</u> <u>13:29</u>

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	9.03	9.03	8.93	9.13	0.00
2,4,5-TP(Silvex)	9.94	9.93	9.83	10.03	-0.01
2,4,5-T	10.36	10.36	10.26	10.46	0.00
2,4-DB	10.93	10.93	10.83	11.03	0.00
Dinoseb	11.32	11.31	11.21	11.41	0.00

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CAMP02
Lab Code: ACE **SDG NO.:** Q2458
GC Column: RTX-CLP **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/18/2025 06/18/2025

Client Sample No.: CCAL04 **Date Analyzed:** 07/08/2025
Lab Sample No.: HSTDCCC750 **Data File :** PS030956.D **Time Analyzed:** 16:05

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-T	9.654	9.568	9.768	763.100	712.500	7.1
2,4,5-TP(Silvex)	9.359	9.275	9.475	711.640	712.500	-0.1
2,4-D	8.473	8.386	8.586	693.790	705.000	-1.6
2,4-DB	10.231	10.147	10.347	786.470	712.500	10.4
2,4-DCAA	7.338	7.249	7.449	797.680	750.000	6.4
DICAMBA	7.527	7.439	7.639	688.250	705.000	-2.4
DICHLORPROP	8.241	8.153	8.353	643.890	705.000	-8.7
Dinoseb	11.449	11.366	11.566	696.870	705.000	-1.2

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CAMP02
Lab Code: ACE **SDG NO.:** Q2458
GC Column: RTX-CLP2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/18/2025 06/18/2025

Client Sample No.: CCAL04 **Date Analyzed:** 07/08/2025
Lab Sample No.: HSTDCCC750 **Data File :** PS030956.D **Time Analyzed:** 16:05

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-T	10.361	10.259	10.459	683.490	712.500	-4.1
2,4,5-TP(Silvex)	9.935	9.833	10.033	676.910	712.500	-5.0
2,4-D	9.028	8.927	9.127	670.510	705.000	-4.9
2,4-DB	10.929	10.827	11.027	668.780	712.500	-6.1
2,4-DCAA	7.770	7.670	7.870	683.440	750.000	-8.9
DICAMBA	7.973	7.872	8.072	663.860	705.000	-5.8
DICHLORPROP	8.693	8.591	8.791	640.710	705.000	-9.1
Dinoseb	11.315	11.211	11.411	644.320	705.000	-8.6

CALIBRATION VERIFICATION SUMMARY

Lab Name:	<u>Alliance</u>	Contract:	<u>CAMP02</u>
Lab Code:	<u>ACE</u>	SDG NO.:	<u>Q2458</u>
Continuing Calib Date:	<u>07/09/2025</u>	Initial Calibration Date(s):	<u>06/18/2025</u> <u>06/18/2025</u>
Continuing Calib Time:	<u>11:36</u>	Initial Calibration Time(s):	<u>11:25</u> <u>13:29</u>

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: CAMP02

Lab Code: ACE

SDG NO.: Q2458

Continuing Calib Date: 07/09/2025

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

Continuing Calib Time: 11:36

Initial Calibration Time(s): 11:25 13:29

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM 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	8.69	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	10.93	10.93	10.83	11.03	0.00
Dinoseb	11.31	11.31	11.21	11.41	0.00

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CAMP02
Lab Code: ACE **SDG NO.:** Q2458
GC Column: RTX-CLP **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/18/2025 06/18/2025

Client Sample No.: CCAL05 **Date Analyzed:** 07/09/2025
Lab Sample No.: PSTDCCC750 **Data File :** PS030959.D **Time Analyzed:** 11:36

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-T	9.656	9.568	9.768	725.530	712.500	1.8
2,4,5-TP(Silvex)	9.361	9.275	9.475	678.460	712.500	-4.8
2,4-D	8.474	8.386	8.586	643.260	705.000	-8.8
2,4-DB	10.233	10.147	10.347	758.610	712.500	6.5
2,4-DCAA	7.338	7.249	7.449	683.770	750.000	-8.8
DICAMBA	7.528	7.439	7.639	643.540	705.000	-8.7
DICHLORPROP	8.241	8.153	8.353	643.260	705.000	-8.8
Dinoseb	11.451	11.366	11.566	661.940	705.000	-6.1

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CAMP02
Lab Code: ACE **SDG NO.:** Q2458
GC Column: RTX-CLP2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/18/2025 06/18/2025

Client Sample No.: CCAL05 **Date Analyzed:** 07/09/2025
Lab Sample No.: PSTDCCC750 **Data File :** PS030959.D **Time Analyzed:** 11:36

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	10.357	10.259	10.459	629.350	712.500	-11.7
2,4,5-TP(Silvex)	9.931	9.833	10.033	622.060	712.500	-12.7
2,4-D	9.024	8.927	9.127	614.410	705.000	-12.8
2,4-DB	10.925	10.827	11.027	607.740	712.500	-14.7
2,4-DCAA	7.764	7.670	7.870	694.400	750.000	-7.4
DICAMBA	7.967	7.872	8.072	602.990	705.000	-14.5
DICHLORPROP	8.687	8.591	8.791	588.230	705.000	-16.6
Dinoseb	11.311	11.211	11.411	586.380	705.000	-16.8

CALIBRATION VERIFICATION SUMMARY

Lab Name:	<u>Alliance</u>	Contract:	<u>CAMP02</u>
Lab Code:	<u>ACE</u>	SDG NO.:	<u>Q2458</u>
Continuing Calib Date:	<u>07/09/2025</u>	Initial Calibration Date(s):	<u>06/18/2025</u> <u>06/18/2025</u>
Continuing Calib Time:	<u>14:52</u>	Initial Calibration Time(s):	<u>11:25</u> <u>13:29</u>

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
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	9.65	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

CALIBRATION VERIFICATION SUMMARY

Lab Name:	<u>Alliance</u>	Contract:	<u>CAMP02</u>
Lab Code:	<u>ACE</u>	SDG NO.:	<u>Q2458</u>
Continuing Calib Date:	<u>07/09/2025</u>	Initial Calibration Date(s):	<u>06/18/2025</u> <u>06/18/2025</u>
Continuing Calib Time:	<u>14:52</u>	Initial Calibration Time(s):	<u>11:25</u> <u>13:29</u>

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	9.03	9.03	8.93	9.13	0.00
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	10.93	10.93	10.83	11.03	0.00
Dinoseb	11.31	11.31	11.21	11.41	0.00

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CAMP02
Lab Code: ACE **SDG NO.:** Q2458
GC Column: RTX-CLP **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/18/2025 06/18/2025

Client Sample No.: CCAL06 **Date Analyzed:** 07/09/2025
Lab Sample No.: PSTDCCC750 **Data File :** PS030967.D **Time Analyzed:** 14:52

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-T	9.653	9.568	9.768	709.820	712.500	-0.4
2,4,5-TP(Silvex)	9.359	9.275	9.475	668.070	712.500	-6.2
2,4-D	8.471	8.386	8.586	643.940	705.000	-8.7
2,4-DB	10.231	10.147	10.347	759.090	712.500	6.5
2,4-DCAA	7.337	7.249	7.449	668.070	750.000	-10.9
DICAMBA	7.526	7.439	7.639	648.820	705.000	-8.0
DICHLORPROP	8.240	8.153	8.353	607.260	705.000	-13.9
Dinoseb	11.447	11.366	11.566	644.130	705.000	-8.6

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CAMP02
Lab Code: ACE **SDG NO.:** Q2458
GC Column: RTX-CLP2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/18/2025 06/18/2025

Client Sample No.: CCAL06 **Date Analyzed:** 07/09/2025
Lab Sample No.: PSTDCCC750 **Data File :** PS030967.D **Time Analyzed:** 14:52

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-T	10.361	10.259	10.459	635.110	712.500	-10.9
2,4,5-TP(Silvex)	9.934	9.833	10.033	629.760	712.500	-11.6
2,4-D	9.028	8.927	9.127	626.500	705.000	-11.1
2,4-DB	10.929	10.827	11.027	617.890	712.500	-13.3
2,4-DCAA	7.769	7.670	7.870	636.310	750.000	-15.2
DICAMBA	7.972	7.872	8.072	613.280	705.000	-13.0
DICHLORPROP	8.692	8.591	8.791	588.860	705.000	-16.5
Dinoseb	11.313	11.211	11.411	588.950	705.000	-16.5

Analytical Sequence

Client: CDM Smith	SDG No.: Q2458
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:

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCAA RT #	RT #
IBLK	IBLK	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
IBLK	IBLK	07/07/2025	09:37	PS030916.D	7.34	0.00
HSTDCCC750	HSTDCCC750	07/07/2025	10:01	PS030917.D	7.34	0.00
TP-55	Q2458-02	07/07/2025	10:37	PS030918.D	7.34	0.00
TP-68	Q2458-03	07/07/2025	11:01	PS030919.D	7.34	0.00
TP-67	Q2458-04	07/07/2025	11:26	PS030920.D	7.34	0.00
TP-66	Q2458-05	07/07/2025	11:50	PS030921.D	7.34	0.00
TP-60	Q2458-06	07/07/2025	12:14	PS030922.D	7.34	0.00
TP-62	Q2458-07	07/07/2025	12:38	PS030923.D	7.34	0.00
TP-63	Q2458-08	07/07/2025	13:02	PS030924.D	7.34	0.00
TP-59	Q2458-09	07/07/2025	13:27	PS030925.D	7.34	0.00
IBLK	IBLK	07/07/2025	18:47	PS030927.D	7.34	0.00
HSTDCCC750	HSTDCCC750	07/07/2025	19:11	PS030928.D	7.34	0.00
IBLK	IBLK	07/08/2025	08:37	PS030943.D	7.34	0.00
PSTDCCC750	PSTDCCC750	07/08/2025	09:27	PS030944.D	7.34	0.00
TP-76	Q2458-01	07/08/2025	11:55	PS030946.D	7.34	0.00
PB168706BL	PB168706BL	07/08/2025	12:19	PS030947.D	7.34	0.00
TP-76MS	Q2458-01MS	07/08/2025	13:07	PS030949.D	7.34	0.00
TP-76MSD	Q2458-01MSD	07/08/2025	13:32	PS030950.D	7.34	0.00
PB168717BL	PB168717BL	07/08/2025	13:56	PS030951.D	7.34	0.00
PB168717BS	PB168717BS	07/08/2025	14:20	PS030952.D	7.34	0.00
PB168717BSD	PB168717BSD	07/08/2025	14:52	PS030953.D	7.34	0.00
FB-06272025	Q2458-10	07/08/2025	15:16	PS030954.D	7.34	0.00
IBLK	IBLK	07/08/2025	15:41	PS030955.D	7.34	0.00
HSTDCCC750	HSTDCCC750	07/08/2025	16:05	PS030956.D	7.34	0.00
IBLK	IBLK	07/09/2025	09:32	PS030958.D	7.34	0.00
PSTDCCC750	PSTDCCC750	07/09/2025	11:36	PS030959.D	7.34	0.00
PB168706BS	PB168706BS	07/09/2025	14:04	PS030965.D	7.34	0.00
IBLK	IBLK	07/09/2025	14:28	PS030966.D	7.34	0.00
PSTDCCC750	PSTDCCC750	07/09/2025	14:52	PS030967.D	7.34	0.00

Analytical Sequence

Client: CDM Smith	SDG No.: Q2458	
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:

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCAA RT #	RT #
IBLK	IBLK	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
IBLK	IBLK	07/07/2025	09:37	PS030916.D	7.77	0.00
HSTDCCC750	HSTDCCC750	07/07/2025	10:01	PS030917.D	7.77	0.00
TP-55	Q2458-02	07/07/2025	10:37	PS030918.D	7.77	0.00
TP-68	Q2458-03	07/07/2025	11:01	PS030919.D	7.77	0.00
TP-67	Q2458-04	07/07/2025	11:26	PS030920.D	7.77	0.00
TP-66	Q2458-05	07/07/2025	11:50	PS030921.D	7.77	0.00
TP-60	Q2458-06	07/07/2025	12:14	PS030922.D	7.77	0.00
TP-62	Q2458-07	07/07/2025	12:38	PS030923.D	7.76	0.00
TP-63	Q2458-08	07/07/2025	13:02	PS030924.D	7.77	0.00
TP-59	Q2458-09	07/07/2025	13:27	PS030925.D	7.77	0.00
IBLK	IBLK	07/07/2025	18:47	PS030927.D	7.77	0.00
HSTDCCC750	HSTDCCC750	07/07/2025	19:11	PS030928.D	7.77	0.00
IBLK	IBLK	07/08/2025	08:37	PS030943.D	7.76	0.00
PSTDCCC750	PSTDCCC750	07/08/2025	09:27	PS030944.D	7.77	0.00
TP-76	Q2458-01	07/08/2025	11:55	PS030946.D	7.77	0.00
PB168706BL	PB168706BL	07/08/2025	12:19	PS030947.D	7.77	0.00
TP-76MS	Q2458-01MS	07/08/2025	13:07	PS030949.D	7.77	0.00
TP-76MSD	Q2458-01MSD	07/08/2025	13:32	PS030950.D	7.77	0.00
PB168717BL	PB168717BL	07/08/2025	13:56	PS030951.D	7.77	0.00
PB168717BS	PB168717BS	07/08/2025	14:20	PS030952.D	7.77	0.00
PB168717BSD	PB168717BSD	07/08/2025	14:52	PS030953.D	7.77	0.00
FB-06272025	Q2458-10	07/08/2025	15:16	PS030954.D	7.77	0.00
IBLK	IBLK	07/08/2025	15:41	PS030955.D	7.77	0.00
HSTDCCC750	HSTDCCC750	07/08/2025	16:05	PS030956.D	7.77	0.00
IBLK	IBLK	07/09/2025	09:32	PS030958.D	7.77	0.00
PSTDCCC750	PSTDCCC750	07/09/2025	11:36	PS030959.D	7.76	0.00
PB168706BS	PB168706BS	07/09/2025	14:04	PS030965.D	7.77	0.00
IBLK	IBLK	07/09/2025	14:28	PS030966.D	7.77	0.00
PSTDCCC750	PSTDCCC750	07/09/2025	14:52	PS030967.D	7.77	0.00

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB168706BS

Lab Name: Alliance

Contract: CAMP02

Lab Code: ACE

SDG NO.: Q2458

Lab Sample ID: PB168706BS

Date(s) Analyzed: 07/09/2025 07/09/2025

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		CONCENTRATION	%RPD
			FROM	TO		
2,4,5-T	1	9.65	9.60	9.70	183	9.1
	2	10.36	10.31	10.41	167	
2,4,5-TP(Silvex)	1	9.36	9.31	9.41	176	5.2
	2	9.93	9.88	9.98	167	
2,4-D	1	8.47	8.42	8.52	184	18.4
	2	9.03	8.98	9.08	153	
2,4-DB	1	10.23	10.18	10.28	192	17.6
	2	10.93	10.88	10.98	161	
DICHLORPROP	1	8.24	8.19	8.29	163	2.5
	2	8.69	8.64	8.74	159	
Dinoseb	1	11.45	11.40	11.50	170	9.2
	2	11.31	11.26	11.36	155	
DICAMBA	1	7.53	7.48	7.58	171	6
	2	7.97	7.92	8.02	161	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB168717BS

Lab Name: Alliance

Contract: CAMP02

Lab Code: ACE

SDG NO.: Q2458

Lab Sample ID: PB168717BS

Date(s) Analyzed: 07/08/2025 07/08/2025

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		CONCENTRATION	%RPD
			FROM	TO		
DICHLORPROP	1	8.24	8.19	8.29	4.90	4.2
	2	8.69	8.64	8.74	4.70	
2,4-D	1	8.47	8.42	8.52	5.20	12.2
	2	9.03	8.98	9.08	4.60	
2,4,5-TP(Silvex)	1	9.36	9.31	9.41	5.30	5.8
	2	9.93	9.88	9.98	5.00	
2,4,5-T	1	9.65	9.60	9.70	5.70	11.1
	2	10.36	10.31	10.41	5.10	
2,4-DB	1	10.23	10.18	10.28	6.00	20.2
	2	10.93	10.88	10.98	4.90	
Dinoseb	1	11.45	11.40	11.50	5.10	10.3
	2	11.31	11.26	11.36	4.60	
DICAMBA	1	7.53	7.48	7.58	5.10	4
	2	7.97	7.92	8.02	4.90	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB168717BSD

Lab Name: Alliance

Contract: CAMP02

Lab Code: ACE

SDG NO.: Q2458

Lab Sample ID: PB168717BSD

Date(s) Analyzed: 07/08/2025 07/08/2025

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		CONCENTRATION	%RPD
			FROM	TO		
DICHLORPROP	1	8.24	8.19	8.29	4.90	4.2
	2	8.69	8.64	8.74	4.70	
2,4-D	1	8.47	8.42	8.52	5.90	18.5
	2	9.03	8.98	9.08	4.90	
2,4,5-TP(Silvex)	1	9.36	9.31	9.41	5.30	5.8
	2	9.93	9.88	9.98	5.00	
2,4,5-T	1	9.66	9.61	9.71	5.60	9.3
	2	10.36	10.31	10.41	5.10	
2,4-DB	1	10.24	10.19	10.29	6.00	20.2
	2	10.93	10.88	10.98	4.90	
Dinoseb	1	11.45	11.40	11.50	5.10	8.2
	2	11.31	11.26	11.36	4.70	
DICAMBA	1	7.53	7.48	7.58	5.00	2
	2	7.97	7.92	8.02	4.90	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TP-76MS

Lab Name: Alliance

Contract: CAMP02

Lab Code: ACE

SDG NO.: Q2458

Lab Sample ID: Q2458-01MS

Date(s) Analyzed: 07/08/2025 07/08/2025

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		CONCENTRATION	%RPD
			FROM	TO		
DICAMBA	1	7.53	7.48	7.58	86.9	2.4
	2	7.97	7.92	8.02	84.8	
DICHLORPROP	1	8.24	8.19	8.29	95.6	7.5
	2	8.69	8.64	8.74	103	
2,4-D	1	8.47	8.42	8.52	138	37.5
	2	9.03	8.98	9.08	94.4	
2,4,5-TP(Silvex)	1	9.36	9.31	9.41	95.3	2.1
	2	9.93	9.88	9.98	97.3	
2,4,5-T	1	9.65	9.60	9.70	99.8	9.2
	2	10.36	10.31	10.41	91.0	
2,4-DB	1	10.23	10.18	10.28	97.1	13.2
	2	10.93	10.88	10.98	85.1	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TP-76MSD

Lab Name: Alliance

Contract: CAMP02

Lab Code: ACE

SDG NO.: Q2458

Lab Sample ID: Q2458-01MSD

Date(s) Analyzed: 07/08/2025 07/08/2025

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		CONCENTRATION	%RPD
			FROM	TO		
2,4-D	1	8.47	8.42	8.52	139	37.2
	2	9.03	8.98	9.08	95.4	
2,4,5-TP(Silvex)	1	9.36	9.31	9.41	95.9	0.9
	2	9.94	9.89	9.99	96.8	
2,4,5-T	1	9.66	9.61	9.71	101	11.1
	2	10.36	10.31	10.41	90.4	
2,4-DB	1	10.23	10.18	10.28	95.5	3.4
	2	10.93	10.88	10.98	98.8	
DICHLORPROP	1	8.24	8.19	8.29	95.0	4.4
	2	8.69	8.64	8.74	99.3	
DICAMBA	1	7.53	7.48	7.58	88.8	2.9
	2	7.97	7.92	8.02	86.3	