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Hit Summary Sheet
SW-846

SDG No.:	Q2032	Order ID:	Q2032
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

A

B

C

D

Report of Analysis

Client:	CDM Smith	Date Collected:	05/13/25
Project:	South River WM Replacement	Date Received:	05/13/25
Client Sample ID:	TP-11	SDG No.:	Q2032
Lab Sample ID:	Q2032-01	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	76.3
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
PS030281.D	1	05/16/25 08:20	05/19/25 18:37	PB168030

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	10.1	U	10.1	87.6	ug/Kg
120-36-5	DICHLORPROP	16.7	U	16.7	87.6	ug/Kg
94-75-7	2,4-D	11.8	U	11.8	87.6	ug/Kg
93-72-1	2,4,5-TP (Silvex)	11.8	U	11.8	87.6	ug/Kg
93-76-5	2,4,5-T	11.4	U	11.4	87.6	ug/Kg
94-82-6	2,4-DB	31.6	U	31.6	87.6	ug/Kg
88-85-7	DINOSEB	14.1	U	14.1	87.6	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	307		10 - 141	61%	SPK: 500

Comments:

U = Not Detected

LOQ = Limit of Quantitation

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Report of Analysis

Client:	CDM Smith	Date Collected:	05/13/25
Project:	South River WM Replacement	Date Received:	05/13/25
Client Sample ID:	TP-29	SDG No.:	Q2032
Lab Sample ID:	Q2032-02	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	86.1
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
PS030282.D	1	05/16/25 08:20	05/19/25 19:01	PB168030

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	9.00	U	9.00	77.7	ug/Kg
120-36-5	DICHLORPROP	14.8	U	14.8	77.7	ug/Kg
94-75-7	2,4-D	10.5	U	10.5	77.7	ug/Kg
93-72-1	2,4,5-TP (Silvex)	10.5	U	10.5	77.7	ug/Kg
93-76-5	2,4,5-T	10.1	U	10.1	77.7	ug/Kg
94-82-6	2,4-DB	28.1	U	28.1	77.7	ug/Kg
88-85-7	DINOSEB	12.5	U	12.5	77.7	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	364		10 - 141	73%	SPK: 500

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Report of Analysis

Client:	CDM Smith		Date Collected:	05/13/25	
Project:	South River WM Replacement		Date Received:	05/13/25	
Client Sample ID:	TP-29-99		SDG No.:	Q2032	
Lab Sample ID:	Q2032-03		Matrix:	SOIL	
Analytical Method:	8151A		% Solid:	86.8	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
PS030283.D	1	05/16/25 08:20	05/19/25 19:25	PB168030

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	8.90	U	8.90	77.0	ug/Kg
120-36-5	DICHLORPROP	14.7	U	14.7	77.0	ug/Kg
94-75-7	2,4-D	10.4	U	10.4	77.0	ug/Kg
93-72-1	2,4,5-TP (Silvex)	10.4	U	10.4	77.0	ug/Kg
93-76-5	2,4,5-T	10.0	U	10.0	77.0	ug/Kg
94-82-6	2,4-DB	27.8	U	27.8	77.0	ug/Kg
88-85-7	DINOSEB	12.4	U	12.4	77.0	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	316		10 - 141	63%	SPK: 500

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 B = Analyte Found in Associated Method Blank
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 D = Dilution
 S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
 () = Laboratory InHouse Limit

Report of Analysis

Client:	CDM Smith	Date Collected:	05/13/25
Project:	South River WM Replacement	Date Received:	05/13/25
Client Sample ID:	TP-24	SDG No.:	Q2032
Lab Sample ID:	Q2032-04	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	74.2
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
PS030284.D	1	05/16/25 08:20	05/19/25 19:49	PB168030

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	10.4	U	10.4	90.1	ug/Kg
120-36-5	DICHLORPROP	17.2	U	17.2	90.1	ug/Kg
94-75-7	2,4-D	12.2	U	12.2	90.1	ug/Kg
93-72-1	2,4,5-TP (Silvex)	12.2	U	12.2	90.1	ug/Kg
93-76-5	2,4,5-T	11.7	U	11.7	90.1	ug/Kg
94-82-6	2,4-DB	32.6	U	32.6	90.1	ug/Kg
88-85-7	DINOSEB	14.5	U	14.5	90.1	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	345		10 - 141	69%	SPK: 500

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D = Dilution

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/13/25
Project:	South River WM Replacement	Date Received:	05/13/25
Client Sample ID:	TP-37	SDG No.:	Q2032
Lab Sample ID:	Q2032-07	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	82.5
Sample Wt/Vol:	30.06	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
PS030289.D	1	05/16/25 08:20	05/19/25 21:50	PB168030

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	9.40	U	9.40	81.1	ug/Kg
120-36-5	DICHLORPROP	15.5	U	15.5	81.1	ug/Kg
94-75-7	2,4-D	10.9	U	10.9	81.1	ug/Kg
93-72-1	2,4,5-TP (Silvex)	11.0	U	11.0	81.1	ug/Kg
93-76-5	2,4,5-T	10.5	U	10.5	81.1	ug/Kg
94-82-6	2,4-DB	29.3	U	29.3	81.1	ug/Kg
88-85-7	DINOSEB	13.1	U	13.1	81.1	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	328		10 - 141	66%	SPK: 500

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M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

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D = Dilution

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/13/25
Project:	South River WM Replacement	Date Received:	05/13/25
Client Sample ID:	TP-32	SDG No.:	Q2032
Lab Sample ID:	Q2032-08	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	86.8
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
PS030290.D	1	05/16/25 08:20	05/19/25 22:14	PB168030

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	8.90	U	8.90	77.0	ug/Kg
120-36-5	DICHLORPROP	14.7	U	14.7	77.0	ug/Kg
94-75-7	2,4-D	10.4	U	10.4	77.0	ug/Kg
93-72-1	2,4,5-TP (Silvex)	10.4	U	10.4	77.0	ug/Kg
93-76-5	2,4,5-T	10.0	U	10.0	77.0	ug/Kg
94-82-6	2,4-DB	27.8	U	27.8	77.0	ug/Kg
88-85-7	DINOSEB	12.4	U	12.4	77.0	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	290		10 - 141	58%	SPK: 500

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/13/25
Project:	South River WM Replacement	Date Received:	05/13/25
Client Sample ID:	FB-05132025	SDG No.:	Q2032
Lab Sample ID:	Q2032-11	Matrix:	WATER
Analytical Method:	8151A	% Solid:	0
Sample Wt/Vol:	970	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
PS030212.D	1	05/14/25 09:05	05/15/25 05:02	PB168003

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
1918-00-9	DICAMBA	0.67	U	0.67	2.10	ug/L
120-36-5	DICHLORPROP	0.78	U	0.78	2.10	ug/L
94-75-7	2,4-D	0.95	U	0.95	2.10	ug/L
93-72-1	2,4,5-TP (Silvex)	0.80	U	0.80	2.10	ug/L
93-76-5	2,4,5-T	0.73	U	0.73	2.10	ug/L
94-82-6	2,4-DB	0.67	U	0.67	2.10	ug/L
88-85-7	DINOSEB	0.92	U	0.92	2.10	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	445		39 - 175	89%	SPK: 500

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LAB CHRONICLE

OrderID:	Q2032	OrderDate:	5/13/2025 4:01:00 PM
Client:	CDM Smith	Project:	South River WM Replacement
Contact:	Marcie Ann Encinas	Location:	L41,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2032-01	TP-11	SOIL			05/13/25			05/13/25
			Gasoline Range Organics	8015D			05/16/25	
			Herbicide	8151A		05/16/25	05/19/25	
			PCB	8082A		05/16/25	05/16/25	
			Pesticide-TCL	8081B		05/16/25	05/16/25	
Q2032-02	TP-29	SOIL			05/13/25			05/13/25
			Gasoline Range Organics	8015D			05/15/25	
			Herbicide	8151A		05/16/25	05/19/25	
			PCB	8082A		05/16/25	05/16/25	
			Pesticide-TCL	8081B		05/16/25	05/16/25	
Q2032-03	TP-29-99	SOIL			05/13/25			05/13/25
			Gasoline Range Organics	8015D			05/16/25	
			Herbicide	8151A		05/16/25	05/19/25	
			PCB	8082A		05/16/25	05/16/25	
			Pesticide-TCL	8081B		05/16/25	05/16/25	
Q2032-04	TP-24	SOIL			05/13/25			05/13/25
			Gasoline Range Organics	8015D			05/15/25	
			Herbicide	8151A		05/16/25	05/19/25	
			PCB	8082A		05/16/25	05/16/25	
			Pesticide-TCL	8081B		05/16/25	05/16/25	
Q2032-07	TP-37	SOIL			05/13/25			05/13/25
			Gasoline Range Organics	8015D			05/16/25	
			Herbicide	8151A		05/16/25	05/19/25	
			PCB	8082A		05/16/25	05/16/25	
			Pesticide-TCL	8081B		05/16/25	05/16/25	
Q2032-08	TP-32	SOIL			05/13/25			05/13/25
			Gasoline Range Organics	8015D			05/16/25	

LAB CHRONICLE

			Herbicide	8151A	05/16/25	05/19/25	
			PCB	8082A	05/16/25	05/16/25	
			Pesticide-TCL	8081B	05/16/25	05/16/25	
Q2032-09	COMP-1	TCLP			05/13/25		05/13/25
			TCLP Herbicide	8151A	05/19/25	05/20/25	
Q2032-11	FB-05132025	Water			05/13/25		05/13/25
			Diesel Range Organics	8015D	05/16/25	05/19/25	
			Gasoline Range Organics	8015D		05/14/25	
			Herbicide	8151A	05/14/25	05/15/25	
			PCB	8082A	05/14/25	05/15/25	
			Pesticide-TCL	8081B	05/14/25	05/14/25	