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

LAB CHRONICLE

OrderID:	Q2514	**OrderDate:**	7/3/2025 1:29:00 PM
Client:	CDM Smith	**Project:**	South River WM Replacement
Contact:	Marcie Ann Encinas	**Location:**	O21,O22,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2514-01	**TP-92**	**SOIL**			**07/02/25**			**07/03/25**
			VOC-TCLVOA-10	8260D			07/07/25	
Q2514-02	**TP-93**	**SOIL**			**07/02/25**			**07/03/25**
			VOC-TCLVOA-10	8260D			07/07/25	
Q2514-03	**TP-94**	**SOIL**			**07/02/25**			**07/03/25**
			VOC-TCLVOA-10	8260D			07/08/25	
Q2514-04	**TP-96**	**SOIL**			**07/02/25**			**07/03/25**
			VOC-TCLVOA-10	8260D			07/08/25	
Q2514-05	**TP-97**	**SOIL**			**07/02/25**			**07/03/25**
			VOC-TCLVOA-10	8260D			07/08/25	
Q2514-06	**TP-103**	**SOIL**			**07/02/25**			**07/03/25**
			VOC-TCLVOA-10	8260D			07/09/25	
Q2514-07	**TP-36**	**SOIL**			**07/03/25**			**07/03/25**
			VOC-TCLVOA-10	8260D			07/08/25	
Q2514-08	**TP-78**	**SOIL**			**07/03/25**			**07/03/25**
			VOC-TCLVOA-10	8260D			07/08/25	
Q2514-09	**TP-81**	**SOIL**			**07/03/25**			**07/03/25**
			VOC-TCLVOA-10	8260D			07/08/25	
Q2514-10	**TP-90**	**SOIL**			**07/03/25**			**07/03/25**
			VOC-TCLVOA-10	8260D			07/08/25	

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Hit Summary Sheet
SW-846

SDG No.: Q2514

Client: CDM Smith

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID:	**TP-92**								
Q2514-01	TP-92	SOIL	Methylene Chloride		5.50	JQ	3.50	10.0	ug/Kg
Q2514-01	TP-92	SOIL	Chloroform		5.60		0.84	5.00	ug/Kg
			Total Voc :		11.1				
			Total Concentration:		11.1				
Client ID:	**TP-93**								
Q2514-02	TP-93	SOIL	Methylene Chloride		10.9	JQ	4.40	12.4	ug/Kg
			Total Voc :		10.9				
Q2514-02	TP-93	SOIL	1,2,4-Trimethylbenzene	*	3.30	J	0.79	6.20	ug/Kg
			Total Tics :		3.30				
			Total Concentration:		14.2				
Client ID:	**TP-103**								
Q2514-06	TP-103	SOIL	Methylene Chloride		10.5	JQ	4.00	11.3	ug/Kg
			Total Voc :		10.5				
			Total Concentration:		10.5				
Client ID:	**TP-36**								
Q2514-07	TP-36	SOIL	Methylene Chloride		8.00	JQ	3.00	8.50	ug/Kg
			Total Voc :		8.00				
			Total Concentration:		8.00				
Client ID:	**TP-78**								
Q2514-08	TP-78	SOIL	Methylene Chloride		7.50	JQ	4.00	11.3	ug/Kg
			Total Voc :		7.50				
			Total Concentration:		7.50				
Client ID:	**TP-90**								
Q2514-10	TP-90	SOIL	Methylene Chloride		13.7	JQ	7.20	20.3	ug/Kg
			Total Voc :		13.7				
			Total Concentration:		13.7				

SAMPLE DATA

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-92	SDG No.:	Q2514
Lab Sample ID:	Q2514-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	87.4
Sample Wt/Vol:	5.7 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022964.D	1	07/07/25 16:45	VY070725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.10	U	1.10	5.00	ug/Kg
74-87-3	Chloromethane	1.10	U	1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	0.79	U	0.79	5.00	ug/Kg
74-83-9	Bromomethane	1.10	U	1.10	5.00	ug/Kg
75-00-3	Chloroethane	1.30	U	1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	1.20	U	1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.10	U	1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	1.00	U	1.00	5.00	ug/Kg
67-64-1	Acetone	4.80	U	4.80	25.1	ug/Kg
75-15-0	Carbon Disulfide	1.10	U	1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.73	U	0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	1.50	U	1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	5.50	JQ	3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.86	U	0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	0.80	U	0.80	5.00	ug/Kg
110-82-7	Cyclohexane	0.79	U	0.79	5.00	ug/Kg
78-93-3	2-Butanone	6.60	U	6.60	25.1	ug/Kg
56-23-5	Carbon Tetrachloride	0.97	U	0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	1.20	U	1.20	5.00	ug/Kg
67-66-3	Chloroform	5.60		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.93	U	0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	0.91	U	0.91	5.00	ug/Kg
71-43-2	Benzene	0.79	U	0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	0.79	U	0.79	5.00	ug/Kg
79-01-6	Trichloroethene	0.81	U	0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	0.91	U	0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	0.78	U	0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.60	U	3.60	25.1	ug/Kg
108-88-3	Toluene	0.78	U	0.78	5.00	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-92	SDG No.:	Q2514
Lab Sample ID:	Q2514-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	87.4
Sample Wt/Vol:	5.7 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022964.D	1	07/07/25 16:45	VY070725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.65	U	0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.62	U	0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.92	U	0.92	5.00	ug/Kg
591-78-6	2-Hexanone	3.70	U	3.70	25.1	ug/Kg
124-48-1	Dibromochloromethane	0.87	U	0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	0.88	U	0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	1.10	U	1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	0.91	U	0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	0.67	U	0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	1.20	U	1.20	10.0	ug/Kg
95-47-6	o-Xylene	0.82	U	0.82	5.00	ug/Kg
100-42-5	Styrene	0.71	U	0.71	5.00	ug/Kg
75-25-2	Bromoform	0.86	U	0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	0.78	U	0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.20	U	1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.70	U	1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.60	U	1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.50	U	1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.80	U	1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.00	U	3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.20	U	3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.7		63 - 155	111%	SPK: 50
1868-53-7	Dibromofluoromethane	51.8		70 - 134	104%	SPK: 50
2037-26-5	Toluene-d8	51.4		74 - 123	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.1		17 - 146	112%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	279000	7.707			
540-36-3	1,4-Difluorobenzene	533000	8.616			
3114-55-4	Chlorobenzene-d5	533000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	221000	13.346			

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-92	SDG No.:	Q2514
Lab Sample ID:	Q2514-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	87.4
Sample Wt/Vol:	5.7 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022964.D	1	07/07/25 16:45	VY070725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
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
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-93	SDG No.:	Q2514
Lab Sample ID:	Q2514-02	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	87.7
Sample Wt/Vol:	4.6 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022965.D	1	07/07/25 17:09	VY070725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.40	U	1.40	6.20	ug/Kg
74-87-3	Chloromethane	1.40	U	1.40	6.20	ug/Kg
75-01-4	Vinyl Chloride	0.98	U	0.98	6.20	ug/Kg
74-83-9	Bromomethane	1.30	U	1.30	6.20	ug/Kg
75-00-3	Chloroethane	1.60	U	1.60	6.20	ug/Kg
75-69-4	Trichlorofluoromethane	1.50	U	1.50	6.20	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.30	U	1.30	6.20	ug/Kg
75-35-4	1,1-Dichloroethene	1.20	U	1.20	6.20	ug/Kg
67-64-1	Acetone	5.90	U	5.90	31.0	ug/Kg
75-15-0	Carbon Disulfide	1.30	U	1.30	6.20	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.90	U	0.90	6.20	ug/Kg
79-20-9	Methyl Acetate	1.90	U	1.90	6.20	ug/Kg
75-09-2	Methylene Chloride	10.9	JQ	4.40	12.4	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.10	U	1.10	6.20	ug/Kg
75-34-3	1,1-Dichloroethane	0.99	U	0.99	6.20	ug/Kg
110-82-7	Cyclohexane	0.98	U	0.98	6.20	ug/Kg
78-93-3	2-Butanone	8.10	U	8.10	31.0	ug/Kg
56-23-5	Carbon Tetrachloride	1.20	U	1.20	6.20	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.93	U	0.93	6.20	ug/Kg
74-97-5	Bromochloromethane	1.40	U	1.40	6.20	ug/Kg
67-66-3	Chloroform	1.00	U	1.00	6.20	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.20	U	1.20	6.20	ug/Kg
108-87-2	Methylcyclohexane	1.10	U	1.10	6.20	ug/Kg
71-43-2	Benzene	0.98	U	0.98	6.20	ug/Kg
107-06-2	1,2-Dichloroethane	0.98	U	0.98	6.20	ug/Kg
79-01-6	Trichloroethene	1.00	U	1.00	6.20	ug/Kg
78-87-5	1,2-Dichloropropane	1.10	U	1.10	6.20	ug/Kg
75-27-4	Bromodichloromethane	0.97	U	0.97	6.20	ug/Kg
108-10-1	4-Methyl-2-Pentanone	4.40	U	4.40	31.0	ug/Kg
108-88-3	Toluene	0.97	U	0.97	6.20	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-93	SDG No.:	Q2514
Lab Sample ID:	Q2514-02	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	87.7
Sample Wt/Vol:	4.6 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022965.D	1	07/07/25 17:09	VY070725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.81	U	0.81	6.20	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.77	U	0.77	6.20	ug/Kg
79-00-5	1,1,2-Trichloroethane	1.10	U	1.10	6.20	ug/Kg
591-78-6	2-Hexanone	4.60	U	4.60	31.0	ug/Kg
124-48-1	Dibromochloromethane	1.10	U	1.10	6.20	ug/Kg
106-93-4	1,2-Dibromoethane	1.10	U	1.10	6.20	ug/Kg
127-18-4	Tetrachloroethene	1.30	U	1.30	6.20	ug/Kg
108-90-7	Chlorobenzene	1.10	U	1.10	6.20	ug/Kg
100-41-4	Ethyl Benzene	0.83	U	0.83	6.20	ug/Kg
179601-23-1	m/p-Xylenes	1.50	U	1.50	12.4	ug/Kg
95-47-6	o-Xylene	1.00	U	1.00	6.20	ug/Kg
100-42-5	Styrene	0.88	U	0.88	6.20	ug/Kg
75-25-2	Bromoform	1.10	U	1.10	6.20	ug/Kg
98-82-8	Isopropylbenzene	0.97	U	0.97	6.20	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.50	U	1.50	6.20	ug/Kg
541-73-1	1,3-Dichlorobenzene	2.10	U	2.10	6.20	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.90	U	1.90	6.20	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.80	U	1.80	6.20	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2.30	U	2.30	6.20	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.70	U	3.70	6.20	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.90	U	3.90	6.20	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.2		63 - 155	102%	SPK: 50
1868-53-7	Dibromofluoromethane	52.4		70 - 134	105%	SPK: 50
2037-26-5	Toluene-d8	50.7		74 - 123	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.1		17 - 146	110%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	279000	7.707			
540-36-3	1,4-Difluorobenzene	553000	8.616			
3114-55-4	Chlorobenzene-d5	550000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	232000	13.34			
TENTATIVE IDENTIFIED COMPOUNDS						

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-93	SDG No.:	Q2514
Lab Sample ID:	Q2514-02	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	87.7
Sample Wt/Vol:	4.6 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022965.D	1	07/07/25 17:09	VY070725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
95-63-6	1,2,4-Trimethylbenzene	3.30	J		13.0	ug/Kg

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
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
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-94	SDG No.:	Q2514
Lab Sample ID:	Q2514-03	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	88.1
Sample Wt/Vol:	3.86 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022975.D	1	07/08/25 15:03	VY070825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.70	U	1.70	7.40	ug/Kg
74-87-3	Chloromethane	1.70	U	1.70	7.40	ug/Kg
75-01-4	Vinyl Chloride	1.20	U	1.20	7.40	ug/Kg
74-83-9	Bromomethane	1.60	U	1.60	7.40	ug/Kg
75-00-3	Chloroethane	1.90	U	1.90	7.40	ug/Kg
75-69-4	Trichlorofluoromethane	1.80	U	1.80	7.40	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.60	U	1.60	7.40	ug/Kg
75-35-4	1,1-Dichloroethene	1.50	U	1.50	7.40	ug/Kg
67-64-1	Acetone	7.00	U	7.00	36.8	ug/Kg
75-15-0	Carbon Disulfide	1.60	U	1.60	7.40	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.10	U	1.10	7.40	ug/Kg
79-20-9	Methyl Acetate	2.30	U	2.30	7.40	ug/Kg
75-09-2	Methylene Chloride	5.20	UQ	5.20	14.7	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.30	U	1.30	7.40	ug/Kg
75-34-3	1,1-Dichloroethane	1.20	U	1.20	7.40	ug/Kg
110-82-7	Cyclohexane	1.20	U	1.20	7.40	ug/Kg
78-93-3	2-Butanone	9.60	U	9.60	36.8	ug/Kg
56-23-5	Carbon Tetrachloride	1.40	U	1.40	7.40	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.10	U	1.10	7.40	ug/Kg
74-97-5	Bromochloromethane	1.70	U	1.70	7.40	ug/Kg
67-66-3	Chloroform	1.20	U	1.20	7.40	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.40	U	1.40	7.40	ug/Kg
108-87-2	Methylcyclohexane	1.30	U	1.30	7.40	ug/Kg
71-43-2	Benzene	1.20	U	1.20	7.40	ug/Kg
107-06-2	1,2-Dichloroethane	1.20	U	1.20	7.40	ug/Kg
79-01-6	Trichloroethene	1.20	U	1.20	7.40	ug/Kg
78-87-5	1,2-Dichloropropane	1.30	U	1.30	7.40	ug/Kg
75-27-4	Bromodichloromethane	1.10	U	1.10	7.40	ug/Kg
108-10-1	4-Methyl-2-Pentanone	5.30	U	5.30	36.8	ug/Kg
108-88-3	Toluene	1.10	U	1.10	7.40	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-94	SDG No.:	Q2514
Lab Sample ID:	Q2514-03	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	88.1
Sample Wt/Vol:	3.86 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022975.D	1	07/08/25 15:03	VY070825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.96	U	0.96	7.40	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.91	U	0.91	7.40	ug/Kg
79-00-5	1,1,2-Trichloroethane	1.40	U	1.40	7.40	ug/Kg
591-78-6	2-Hexanone	5.40	U	5.40	36.8	ug/Kg
124-48-1	Dibromochloromethane	1.30	U	1.30	7.40	ug/Kg
106-93-4	1,2-Dibromoethane	1.30	U	1.30	7.40	ug/Kg
127-18-4	Tetrachloroethene	1.50	U	1.50	7.40	ug/Kg
108-90-7	Chlorobenzene	1.30	U	1.30	7.40	ug/Kg
100-41-4	Ethyl Benzene	0.99	U	0.99	7.40	ug/Kg
179601-23-1	m/p-Xylenes	1.80	U	1.80	14.7	ug/Kg
95-47-6	o-Xylene	1.20	U	1.20	7.40	ug/Kg
100-42-5	Styrene	1.00	U	1.00	7.40	ug/Kg
75-25-2	Bromoform	1.30	U	1.30	7.40	ug/Kg
98-82-8	Isopropylbenzene	1.10	U	1.10	7.40	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.80	U	1.80	7.40	ug/Kg
541-73-1	1,3-Dichlorobenzene	2.50	U	2.50	7.40	ug/Kg
106-46-7	1,4-Dichlorobenzene	2.30	U	2.30	7.40	ug/Kg
95-50-1	1,2-Dichlorobenzene	2.10	U	2.10	7.40	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2.70	U	2.70	7.40	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	4.40	U	4.40	7.40	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	4.70	U	4.70	7.40	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.5		63 - 155	107%	SPK: 50
1868-53-7	Dibromofluoromethane	52.8		70 - 134	106%	SPK: 50
2037-26-5	Toluene-d8	51.2		74 - 123	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.4		17 - 146	113%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	275000	7.707			
540-36-3	1,4-Difluorobenzene	527000	8.616			
3114-55-4	Chlorobenzene-d5	523000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	228000	13.347			

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-94	SDG No.:	Q2514
Lab Sample ID:	Q2514-03	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	88.1
Sample Wt/Vol:	3.86 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022975.D	1	07/08/25 15:03	VY070825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
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
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-96	SDG No.:	Q2514
Lab Sample ID:	Q2514-04	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	85.8
Sample Wt/Vol:	4.02 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022976.D	1	07/08/25 15:26	VY070825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.70	U	1.70	7.20	ug/Kg
74-87-3	Chloromethane	1.70	U	1.70	7.20	ug/Kg
75-01-4	Vinyl Chloride	1.10	U	1.10	7.20	ug/Kg
74-83-9	Bromomethane	1.60	U	1.60	7.20	ug/Kg
75-00-3	Chloroethane	1.80	U	1.80	7.20	ug/Kg
75-69-4	Trichlorofluoromethane	1.80	U	1.80	7.20	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.50	U	1.50	7.20	ug/Kg
75-35-4	1,1-Dichloroethene	1.40	U	1.40	7.20	ug/Kg
67-64-1	Acetone	6.90	U	6.90	36.2	ug/Kg
75-15-0	Carbon Disulfide	1.50	U	1.50	7.20	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.10	U	1.10	7.20	ug/Kg
79-20-9	Methyl Acetate	2.20	U	2.20	7.20	ug/Kg
75-09-2	Methylene Chloride	5.10	UQ	5.10	14.5	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.20	U	1.20	7.20	ug/Kg
75-34-3	1,1-Dichloroethane	1.20	U	1.20	7.20	ug/Kg
110-82-7	Cyclohexane	1.10	U	1.10	7.20	ug/Kg
78-93-3	2-Butanone	9.50	U	9.50	36.2	ug/Kg
56-23-5	Carbon Tetrachloride	1.40	U	1.40	7.20	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.10	U	1.10	7.20	ug/Kg
74-97-5	Bromochloromethane	1.70	U	1.70	7.20	ug/Kg
67-66-3	Chloroform	1.20	U	1.20	7.20	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.30	U	1.30	7.20	ug/Kg
108-87-2	Methylcyclohexane	1.30	U	1.30	7.20	ug/Kg
71-43-2	Benzene	1.10	U	1.10	7.20	ug/Kg
107-06-2	1,2-Dichloroethane	1.10	U	1.10	7.20	ug/Kg
79-01-6	Trichloroethene	1.20	U	1.20	7.20	ug/Kg
78-87-5	1,2-Dichloropropane	1.30	U	1.30	7.20	ug/Kg
75-27-4	Bromodichloromethane	1.10	U	1.10	7.20	ug/Kg
108-10-1	4-Methyl-2-Pentanone	5.20	U	5.20	36.2	ug/Kg
108-88-3	Toluene	1.10	U	1.10	7.20	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-96	SDG No.:	Q2514
Lab Sample ID:	Q2514-04	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	85.8
Sample Wt/Vol:	4.02 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022976.D	1	07/08/25 15:26	VY070825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.94	U	0.94	7.20	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.90	U	0.90	7.20	ug/Kg
79-00-5	1,1,2-Trichloroethane	1.30	U	1.30	7.20	ug/Kg
591-78-6	2-Hexanone	5.30	U	5.30	36.2	ug/Kg
124-48-1	Dibromochloromethane	1.30	U	1.30	7.20	ug/Kg
106-93-4	1,2-Dibromoethane	1.30	U	1.30	7.20	ug/Kg
127-18-4	Tetrachloroethene	1.50	U	1.50	7.20	ug/Kg
108-90-7	Chlorobenzene	1.30	U	1.30	7.20	ug/Kg
100-41-4	Ethyl Benzene	0.97	U	0.97	7.20	ug/Kg
179601-23-1	m/p-Xylenes	1.80	U	1.80	14.5	ug/Kg
95-47-6	o-Xylene	1.20	U	1.20	7.20	ug/Kg
100-42-5	Styrene	1.00	U	1.00	7.20	ug/Kg
75-25-2	Bromoform	1.20	U	1.20	7.20	ug/Kg
98-82-8	Isopropylbenzene	1.10	U	1.10	7.20	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.80	U	1.80	7.20	ug/Kg
541-73-1	1,3-Dichlorobenzene	2.50	U	2.50	7.20	ug/Kg
106-46-7	1,4-Dichlorobenzene	2.30	U	2.30	7.20	ug/Kg
95-50-1	1,2-Dichlorobenzene	2.10	U	2.10	7.20	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2.70	U	2.70	7.20	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	4.30	U	4.30	7.20	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	4.60	U	4.60	7.20	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.1		63 - 155	102%	SPK: 50
1868-53-7	Dibromofluoromethane	52.5		70 - 134	105%	SPK: 50
2037-26-5	Toluene-d8	51.3		74 - 123	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.9		17 - 146	108%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	295000	7.707			
540-36-3	1,4-Difluorobenzene	566000	8.616			
3114-55-4	Chlorobenzene-d5	555000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	232000	13.34			

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-96	SDG No.:	Q2514
Lab Sample ID:	Q2514-04	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	85.8
Sample Wt/Vol:	4.02 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022976.D	1	07/08/25 15:26	VY070825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
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
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-97	SDG No.:	Q2514
Lab Sample ID:	Q2514-05	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	85
Sample Wt/Vol:	6.09 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022977.D	1	07/08/25 15:50	VY070825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.10	U	1.10	4.80	ug/Kg
74-87-3	Chloromethane	1.10	U	1.10	4.80	ug/Kg
75-01-4	Vinyl Chloride	0.76	U	0.76	4.80	ug/Kg
74-83-9	Bromomethane	1.00	U	1.00	4.80	ug/Kg
75-00-3	Chloroethane	1.20	U	1.20	4.80	ug/Kg
75-69-4	Trichlorofluoromethane	1.20	U	1.20	4.80	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	1.00	4.80	ug/Kg
75-35-4	1,1-Dichloroethene	0.97	U	0.97	4.80	ug/Kg
67-64-1	Acetone	4.60	U	4.60	24.1	ug/Kg
75-15-0	Carbon Disulfide	1.00	U	1.00	4.80	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.71	U	0.71	4.80	ug/Kg
79-20-9	Methyl Acetate	1.50	U	1.50	4.80	ug/Kg
75-09-2	Methylene Chloride	3.40	UQ	3.40	9.70	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.83	U	0.83	4.80	ug/Kg
75-34-3	1,1-Dichloroethane	0.77	U	0.77	4.80	ug/Kg
110-82-7	Cyclohexane	0.76	U	0.76	4.80	ug/Kg
78-93-3	2-Butanone	6.30	U	6.30	24.1	ug/Kg
56-23-5	Carbon Tetrachloride	0.94	U	0.94	4.80	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.72	U	0.72	4.80	ug/Kg
74-97-5	Bromochloromethane	1.10	U	1.10	4.80	ug/Kg
67-66-3	Chloroform	0.81	U	0.81	4.80	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.90	U	0.90	4.80	ug/Kg
108-87-2	Methylcyclohexane	0.88	U	0.88	4.80	ug/Kg
71-43-2	Benzene	0.76	U	0.76	4.80	ug/Kg
107-06-2	1,2-Dichloroethane	0.76	U	0.76	4.80	ug/Kg
79-01-6	Trichloroethene	0.78	U	0.78	4.80	ug/Kg
78-87-5	1,2-Dichloropropane	0.88	U	0.88	4.80	ug/Kg
75-27-4	Bromodichloromethane	0.75	U	0.75	4.80	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.50	U	3.50	24.1	ug/Kg
108-88-3	Toluene	0.75	U	0.75	4.80	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-97	SDG No.:	Q2514
Lab Sample ID:	Q2514-05	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	85
Sample Wt/Vol:	6.09 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022977.D	1	07/08/25 15:50	VY070825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.63	U	0.63	4.80	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.60	U	0.60	4.80	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.89	U	0.89	4.80	ug/Kg
591-78-6	2-Hexanone	3.60	U	3.60	24.1	ug/Kg
124-48-1	Dibromochloromethane	0.84	U	0.84	4.80	ug/Kg
106-93-4	1,2-Dibromoethane	0.85	U	0.85	4.80	ug/Kg
127-18-4	Tetrachloroethene	1.00	U	1.00	4.80	ug/Kg
108-90-7	Chlorobenzene	0.88	U	0.88	4.80	ug/Kg
100-41-4	Ethyl Benzene	0.65	U	0.65	4.80	ug/Kg
179601-23-1	m/p-Xylenes	1.20	U	1.20	9.70	ug/Kg
95-47-6	o-Xylene	0.79	U	0.79	4.80	ug/Kg
100-42-5	Styrene	0.69	U	0.69	4.80	ug/Kg
75-25-2	Bromoform	0.83	U	0.83	4.80	ug/Kg
98-82-8	Isopropylbenzene	0.75	U	0.75	4.80	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.20	U	1.20	4.80	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.70	U	1.70	4.80	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.50	U	1.50	4.80	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.40	U	1.40	4.80	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.80	U	1.80	4.80	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.90	U	2.90	4.80	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.10	U	3.10	4.80	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	56.2		63 - 155	112%	SPK: 50
1868-53-7	Dibromofluoromethane	52.0		70 - 134	104%	SPK: 50
2037-26-5	Toluene-d8	51.8		74 - 123	104%	SPK: 50
460-00-4	4-Bromofluorobenzene	59.8		17 - 146	120%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	262000	7.707			
540-36-3	1,4-Difluorobenzene	503000	8.609			
3114-55-4	Chlorobenzene-d5	519000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	238000	13.34			

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-97	SDG No.:	Q2514
Lab Sample ID:	Q2514-05	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	85
Sample Wt/Vol:	6.09 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022977.D	1	07/08/25 15:50	VY070825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
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
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-103	SDG No.:	Q2514
Lab Sample ID:	Q2514-06	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	86.5
Sample Wt/Vol:	5.1 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW031775.D	1	07/09/25 14:56	VW070925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.30	U	1.30	5.70	ug/Kg
74-87-3	Chloromethane	1.30	U	1.30	5.70	ug/Kg
75-01-4	Vinyl Chloride	0.90	U	0.90	5.70	ug/Kg
74-83-9	Bromomethane	1.20	U	1.20	5.70	ug/Kg
75-00-3	Chloroethane	1.40	U	1.40	5.70	ug/Kg
75-69-4	Trichlorofluoromethane	1.40	U	1.40	5.70	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.20	U	1.20	5.70	ug/Kg
75-35-4	1,1-Dichloroethene	1.10	U	1.10	5.70	ug/Kg
67-64-1	Acetone	5.40	U	5.40	28.3	ug/Kg
75-15-0	Carbon Disulfide	1.20	U	1.20	5.70	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.83	U	0.83	5.70	ug/Kg
79-20-9	Methyl Acetate	1.70	U	1.70	5.70	ug/Kg
75-09-2	Methylene Chloride	10.5	JQ	4.00	11.3	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.97	U	0.97	5.70	ug/Kg
75-34-3	1,1-Dichloroethane	0.91	U	0.91	5.70	ug/Kg
110-82-7	Cyclohexane	0.90	U	0.90	5.70	ug/Kg
78-93-3	2-Butanone	7.40	U	7.40	28.3	ug/Kg
56-23-5	Carbon Tetrachloride	1.10	U	1.10	5.70	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.85	UQ	0.85	5.70	ug/Kg
74-97-5	Bromochloromethane	1.30	U	1.30	5.70	ug/Kg
67-66-3	Chloroform	0.95	U	0.95	5.70	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.10	U	1.10	5.70	ug/Kg
108-87-2	Methylcyclohexane	1.00	U	1.00	5.70	ug/Kg
71-43-2	Benzene	0.90	U	0.90	5.70	ug/Kg
107-06-2	1,2-Dichloroethane	0.90	U	0.90	5.70	ug/Kg
79-01-6	Trichloroethene	0.92	U	0.92	5.70	ug/Kg
78-87-5	1,2-Dichloropropane	1.00	U	1.00	5.70	ug/Kg
75-27-4	Bromodichloromethane	0.88	U	0.88	5.70	ug/Kg
108-10-1	4-Methyl-2-Pentanone	4.10	U	4.10	28.3	ug/Kg
108-88-3	Toluene	0.88	U	0.88	5.70	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-103	SDG No.:	Q2514
Lab Sample ID:	Q2514-06	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	86.5
Sample Wt/Vol:	5.1 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW031775.D	1	07/09/25 14:56	VW070925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.74	U	0.74	5.70	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.70	U	0.70	5.70	ug/Kg
79-00-5	1,1,2-Trichloroethane	1.00	U	1.00	5.70	ug/Kg
591-78-6	2-Hexanone	4.20	U	4.20	28.3	ug/Kg
124-48-1	Dibromochloromethane	0.99	U	0.99	5.70	ug/Kg
106-93-4	1,2-Dibromoethane	1.00	U	1.00	5.70	ug/Kg
127-18-4	Tetrachloroethene	1.20	U	1.20	5.70	ug/Kg
108-90-7	Chlorobenzene	1.00	U	1.00	5.70	ug/Kg
100-41-4	Ethyl Benzene	0.76	U	0.76	5.70	ug/Kg
179601-23-1	m/p-Xylenes	1.40	U	1.40	11.3	ug/Kg
95-47-6	o-Xylene	0.93	U	0.93	5.70	ug/Kg
100-42-5	Styrene	0.80	U	0.80	5.70	ug/Kg
75-25-2	Bromoform	0.97	U	0.97	5.70	ug/Kg
98-82-8	Isopropylbenzene	0.88	U	0.88	5.70	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.40	U	1.40	5.70	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.90	U	1.90	5.70	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.80	U	1.80	5.70	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.60	U	1.60	5.70	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2.10	U	2.10	5.70	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.40	U	3.40	5.70	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.60	U	3.60	5.70	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.9		63 - 155	100%	SPK: 50
1868-53-7	Dibromofluoromethane	47.9		70 - 134	96%	SPK: 50
2037-26-5	Toluene-d8	47.4		74 - 123	95%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.1		17 - 146	92%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	197000	7.965			
540-36-3	1,4-Difluorobenzene	401000	8.855			
3114-55-4	Chlorobenzene-d5	358000	11.629			
3855-82-1	1,4-Dichlorobenzene-d4	165000	13.556			

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-103	SDG No.:	Q2514
Lab Sample ID:	Q2514-06	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	86.5
Sample Wt/Vol:	5.1 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW031775.D	1	07/09/25 14:56	VW070925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
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
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Report of Analysis

Client:	CDM Smith	Date Collected:	07/03/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-36	SDG No.:	Q2514
Lab Sample ID:	Q2514-07	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	90.3
Sample Wt/Vol:	6.55 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022979.D	1	07/08/25 16:37	VY070825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.96	U	0.96	4.20	ug/Kg
74-87-3	Chloromethane	0.96	U	0.96	4.20	ug/Kg
75-01-4	Vinyl Chloride	0.67	U	0.67	4.20	ug/Kg
74-83-9	Bromomethane	0.90	U	0.90	4.20	ug/Kg
75-00-3	Chloroethane	1.10	U	1.10	4.20	ug/Kg
75-69-4	Trichlorofluoromethane	1.00	U	1.00	4.20	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.90	U	0.90	4.20	ug/Kg
75-35-4	1,1-Dichloroethene	0.85	U	0.85	4.20	ug/Kg
67-64-1	Acetone	4.00	U	4.00	21.1	ug/Kg
75-15-0	Carbon Disulfide	0.90	U	0.90	4.20	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.62	U	0.62	4.20	ug/Kg
79-20-9	Methyl Acetate	1.30	U	1.30	4.20	ug/Kg
75-09-2	Methylene Chloride	8.00	JQ	3.00	8.50	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.73	U	0.73	4.20	ug/Kg
75-34-3	1,1-Dichloroethane	0.68	U	0.68	4.20	ug/Kg
110-82-7	Cyclohexane	0.67	U	0.67	4.20	ug/Kg
78-93-3	2-Butanone	5.50	U	5.50	21.1	ug/Kg
56-23-5	Carbon Tetrachloride	0.82	U	0.82	4.20	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.63	U	0.63	4.20	ug/Kg
74-97-5	Bromochloromethane	0.97	U	0.97	4.20	ug/Kg
67-66-3	Chloroform	0.71	U	0.71	4.20	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.79	U	0.79	4.20	ug/Kg
108-87-2	Methylcyclohexane	0.77	U	0.77	4.20	ug/Kg
71-43-2	Benzene	0.67	U	0.67	4.20	ug/Kg
107-06-2	1,2-Dichloroethane	0.67	U	0.67	4.20	ug/Kg
79-01-6	Trichloroethene	0.68	U	0.68	4.20	ug/Kg
78-87-5	1,2-Dichloropropane	0.77	U	0.77	4.20	ug/Kg
75-27-4	Bromodichloromethane	0.66	U	0.66	4.20	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.00	U	3.00	21.1	ug/Kg
108-88-3	Toluene	0.66	U	0.66	4.20	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/03/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-36	SDG No.:	Q2514
Lab Sample ID:	Q2514-07	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	90.3
Sample Wt/Vol:	6.55 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022979.D	1	07/08/25 16:37	VY070825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.55	U	0.55	4.20	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.52	U	0.52	4.20	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.78	U	0.78	4.20	ug/Kg
591-78-6	2-Hexanone	3.10	U	3.10	21.1	ug/Kg
124-48-1	Dibromochloromethane	0.74	U	0.74	4.20	ug/Kg
106-93-4	1,2-Dibromoethane	0.74	U	0.74	4.20	ug/Kg
127-18-4	Tetrachloroethene	0.89	U	0.89	4.20	ug/Kg
108-90-7	Chlorobenzene	0.77	U	0.77	4.20	ug/Kg
100-41-4	Ethyl Benzene	0.57	U	0.57	4.20	ug/Kg
179601-23-1	m/p-Xylenes	1.00	U	1.00	8.50	ug/Kg
95-47-6	o-Xylene	0.69	U	0.69	4.20	ug/Kg
100-42-5	Styrene	0.60	U	0.60	4.20	ug/Kg
75-25-2	Bromoform	0.73	U	0.73	4.20	ug/Kg
98-82-8	Isopropylbenzene	0.66	U	0.66	4.20	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	1.00	4.20	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.40	U	1.40	4.20	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.30	U	1.30	4.20	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.20	U	1.20	4.20	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.60	U	1.60	4.20	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.50	U	2.50	4.20	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.70	U	2.70	4.20	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	54.9		63 - 155	110%	SPK: 50
1868-53-7	Dibromofluoromethane	53.5		70 - 134	107%	SPK: 50
2037-26-5	Toluene-d8	52.5		74 - 123	105%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.8		17 - 146	114%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	258000	7.707			
540-36-3	1,4-Difluorobenzene	492000	8.609			
3114-55-4	Chlorobenzene-d5	507000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	227000	13.34			

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/03/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-36	SDG No.:	Q2514
Lab Sample ID:	Q2514-07	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	90.3
Sample Wt/Vol:	6.55 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022979.D	1	07/08/25 16:37	VY070825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
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
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/03/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-78	SDG No.:	Q2514
Lab Sample ID:	Q2514-08	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	86.3
Sample Wt/Vol:	5.15 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022980.D	1	07/08/25 17:00	VY070825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.30	U	1.30	5.60	ug/Kg
74-87-3	Chloromethane	1.30	U	1.30	5.60	ug/Kg
75-01-4	Vinyl Chloride	0.89	U	0.89	5.60	ug/Kg
74-83-9	Bromomethane	1.20	U	1.20	5.60	ug/Kg
75-00-3	Chloroethane	1.40	U	1.40	5.60	ug/Kg
75-69-4	Trichlorofluoromethane	1.40	U	1.40	5.60	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.20	U	1.20	5.60	ug/Kg
75-35-4	1,1-Dichloroethene	1.10	U	1.10	5.60	ug/Kg
67-64-1	Acetone	5.30	U	5.30	28.1	ug/Kg
75-15-0	Carbon Disulfide	1.20	U	1.20	5.60	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.82	U	0.82	5.60	ug/Kg
79-20-9	Methyl Acetate	1.70	U	1.70	5.60	ug/Kg
75-09-2	Methylene Chloride	7.50	JQ	4.00	11.3	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.97	U	0.97	5.60	ug/Kg
75-34-3	1,1-Dichloroethane	0.90	U	0.90	5.60	ug/Kg
110-82-7	Cyclohexane	0.89	U	0.89	5.60	ug/Kg
78-93-3	2-Butanone	7.40	U	7.40	28.1	ug/Kg
56-23-5	Carbon Tetrachloride	1.10	U	1.10	5.60	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.84	U	0.84	5.60	ug/Kg
74-97-5	Bromochloromethane	1.30	U	1.30	5.60	ug/Kg
67-66-3	Chloroform	0.94	U	0.94	5.60	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.00	U	1.00	5.60	ug/Kg
108-87-2	Methylcyclohexane	1.00	U	1.00	5.60	ug/Kg
71-43-2	Benzene	0.89	U	0.89	5.60	ug/Kg
107-06-2	1,2-Dichloroethane	0.89	U	0.89	5.60	ug/Kg
79-01-6	Trichloroethene	0.91	U	0.91	5.60	ug/Kg
78-87-5	1,2-Dichloropropane	1.00	U	1.00	5.60	ug/Kg
75-27-4	Bromodichloromethane	0.88	U	0.88	5.60	ug/Kg
108-10-1	4-Methyl-2-Pentanone	4.00	U	4.00	28.1	ug/Kg
108-88-3	Toluene	0.88	U	0.88	5.60	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/03/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-78	SDG No.:	Q2514
Lab Sample ID:	Q2514-08	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	86.3
Sample Wt/Vol:	5.15 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022980.D	1	07/08/25 17:00	VY070825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.73	U	0.73	5.60	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.70	U	0.70	5.60	ug/Kg
79-00-5	1,1,2-Trichloroethane	1.00	U	1.00	5.60	ug/Kg
591-78-6	2-Hexanone	4.20	U	4.20	28.1	ug/Kg
124-48-1	Dibromochloromethane	0.98	U	0.98	5.60	ug/Kg
106-93-4	1,2-Dibromoethane	0.99	U	0.99	5.60	ug/Kg
127-18-4	Tetrachloroethene	1.20	U	1.20	5.60	ug/Kg
108-90-7	Chlorobenzene	1.00	U	1.00	5.60	ug/Kg
100-41-4	Ethyl Benzene	0.75	U	0.75	5.60	ug/Kg
179601-23-1	m/p-Xylenes	1.40	U	1.40	11.3	ug/Kg
95-47-6	o-Xylene	0.92	U	0.92	5.60	ug/Kg
100-42-5	Styrene	0.80	U	0.80	5.60	ug/Kg
75-25-2	Bromoform	0.97	U	0.97	5.60	ug/Kg
98-82-8	Isopropylbenzene	0.88	U	0.88	5.60	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.40	U	1.40	5.60	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.90	U	1.90	5.60	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.80	U	1.80	5.60	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.60	U	1.60	5.60	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2.10	U	2.10	5.60	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.30	U	3.30	5.60	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.60	U	3.60	5.60	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	54.5		63 - 155	109%	SPK: 50
1868-53-7	Dibromofluoromethane	51.4		70 - 134	103%	SPK: 50
2037-26-5	Toluene-d8	51.5		74 - 123	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.4		17 - 146	113%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	255000	7.707			
540-36-3	1,4-Difluorobenzene	483000	8.615			
3114-55-4	Chlorobenzene-d5	488000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	217000	13.346			

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/03/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-78	SDG No.:	Q2514
Lab Sample ID:	Q2514-08	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	86.3
Sample Wt/Vol:	5.15 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022980.D	1	07/08/25 17:00	VY070825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
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
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/03/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-81	SDG No.:	Q2514
Lab Sample ID:	Q2514-09	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	86.3
Sample Wt/Vol:	4.87 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022981.D	1	07/08/25 17:23	VY070825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.40	U	1.40	5.90	ug/Kg
74-87-3	Chloromethane	1.40	U	1.40	5.90	ug/Kg
75-01-4	Vinyl Chloride	0.94	U	0.94	5.90	ug/Kg
74-83-9	Bromomethane	1.30	U	1.30	5.90	ug/Kg
75-00-3	Chloroethane	1.50	U	1.50	5.90	ug/Kg
75-69-4	Trichlorofluoromethane	1.40	U	1.40	5.90	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.30	U	1.30	5.90	ug/Kg
75-35-4	1,1-Dichloroethene	1.20	U	1.20	5.90	ug/Kg
67-64-1	Acetone	5.60	U	5.60	29.7	ug/Kg
75-15-0	Carbon Disulfide	1.30	U	1.30	5.90	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.87	U	0.87	5.90	ug/Kg
79-20-9	Methyl Acetate	1.80	U	1.80	5.90	ug/Kg
75-09-2	Methylene Chloride	4.20	UQ	4.20	11.9	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.00	U	1.00	5.90	ug/Kg
75-34-3	1,1-Dichloroethane	0.95	U	0.95	5.90	ug/Kg
110-82-7	Cyclohexane	0.94	U	0.94	5.90	ug/Kg
78-93-3	2-Butanone	7.80	U	7.80	29.7	ug/Kg
56-23-5	Carbon Tetrachloride	1.20	U	1.20	5.90	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.89	U	0.89	5.90	ug/Kg
74-97-5	Bromochloromethane	1.40	U	1.40	5.90	ug/Kg
67-66-3	Chloroform	1.00	U	1.00	5.90	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.10	U	1.10	5.90	ug/Kg
108-87-2	Methylcyclohexane	1.10	U	1.10	5.90	ug/Kg
71-43-2	Benzene	0.94	U	0.94	5.90	ug/Kg
107-06-2	1,2-Dichloroethane	0.94	U	0.94	5.90	ug/Kg
79-01-6	Trichloroethene	0.96	U	0.96	5.90	ug/Kg
78-87-5	1,2-Dichloropropane	1.10	U	1.10	5.90	ug/Kg
75-27-4	Bromodichloromethane	0.93	U	0.93	5.90	ug/Kg
108-10-1	4-Methyl-2-Pentanone	4.30	U	4.30	29.7	ug/Kg
108-88-3	Toluene	0.93	U	0.93	5.90	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/03/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-81	SDG No.:	Q2514
Lab Sample ID:	Q2514-09	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	86.3
Sample Wt/Vol:	4.87 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022981.D	1	07/08/25 17:23	VY070825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.77	U	0.77	5.90	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.74	U	0.74	5.90	ug/Kg
79-00-5	1,1,2-Trichloroethane	1.10	U	1.10	5.90	ug/Kg
591-78-6	2-Hexanone	4.40	U	4.40	29.7	ug/Kg
124-48-1	Dibromochloromethane	1.00	U	1.00	5.90	ug/Kg
106-93-4	1,2-Dibromoethane	1.00	U	1.00	5.90	ug/Kg
127-18-4	Tetrachloroethene	1.20	U	1.20	5.90	ug/Kg
108-90-7	Chlorobenzene	1.10	U	1.10	5.90	ug/Kg
100-41-4	Ethyl Benzene	0.80	U	0.80	5.90	ug/Kg
179601-23-1	m/p-Xylenes	1.50	U	1.50	11.9	ug/Kg
95-47-6	o-Xylene	0.98	U	0.98	5.90	ug/Kg
100-42-5	Styrene	0.84	U	0.84	5.90	ug/Kg
75-25-2	Bromoform	1.00	U	1.00	5.90	ug/Kg
98-82-8	Isopropylbenzene	0.93	U	0.93	5.90	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.40	U	1.40	5.90	ug/Kg
541-73-1	1,3-Dichlorobenzene	2.00	U	2.00	5.90	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.90	U	1.90	5.90	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.70	U	1.70	5.90	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2.20	U	2.20	5.90	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.50	U	3.50	5.90	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.80	U	3.80	5.90	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.9		63 - 155	106%	SPK: 50
1868-53-7	Dibromofluoromethane	52.4		70 - 134	105%	SPK: 50
2037-26-5	Toluene-d8	51.5		74 - 123	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.7		17 - 146	109%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	259000	7.713			
540-36-3	1,4-Difluorobenzene	495000	8.616			
3114-55-4	Chlorobenzene-d5	488000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	213000	13.34			

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/03/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-81	SDG No.:	Q2514
Lab Sample ID:	Q2514-09	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	86.3
Sample Wt/Vol:	4.87 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022981.D	1	07/08/25 17:23	VY070825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
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
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/03/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-90	SDG No.:	Q2514
Lab Sample ID:	Q2514-10	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	91.6
Sample Wt/Vol:	2.69 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022982.D	1	07/08/25 17:47	VY070825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	2.30	U	2.30	10.1	ug/Kg
74-87-3	Chloromethane	2.30	U	2.30	10.1	ug/Kg
75-01-4	Vinyl Chloride	1.60	U	1.60	10.1	ug/Kg
74-83-9	Bromomethane	2.20	U	2.20	10.1	ug/Kg
75-00-3	Chloroethane	2.60	U	2.60	10.1	ug/Kg
75-69-4	Trichlorofluoromethane	2.50	U	2.50	10.1	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	2.20	U	2.20	10.1	ug/Kg
75-35-4	1,1-Dichloroethene	2.00	U	2.00	10.1	ug/Kg
67-64-1	Acetone	9.60	U	9.60	50.7	ug/Kg
75-15-0	Carbon Disulfide	2.20	U	2.20	10.1	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.50	U	1.50	10.1	ug/Kg
79-20-9	Methyl Acetate	3.10	U	3.10	10.1	ug/Kg
75-09-2	Methylene Chloride	13.7	JQ	7.20	20.3	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.70	U	1.70	10.1	ug/Kg
75-34-3	1,1-Dichloroethane	1.60	U	1.60	10.1	ug/Kg
110-82-7	Cyclohexane	1.60	U	1.60	10.1	ug/Kg
78-93-3	2-Butanone	13.3	U	13.3	50.7	ug/Kg
56-23-5	Carbon Tetrachloride	2.00	U	2.00	10.1	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.50	U	1.50	10.1	ug/Kg
74-97-5	Bromochloromethane	2.30	U	2.30	10.1	ug/Kg
67-66-3	Chloroform	1.70	U	1.70	10.1	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.90	U	1.90	10.1	ug/Kg
108-87-2	Methylcyclohexane	1.80	U	1.80	10.1	ug/Kg
71-43-2	Benzene	1.60	U	1.60	10.1	ug/Kg
107-06-2	1,2-Dichloroethane	1.60	U	1.60	10.1	ug/Kg
79-01-6	Trichloroethene	1.60	U	1.60	10.1	ug/Kg
78-87-5	1,2-Dichloropropane	1.80	U	1.80	10.1	ug/Kg
75-27-4	Bromodichloromethane	1.60	U	1.60	10.1	ug/Kg
108-10-1	4-Methyl-2-Pentanone	7.30	U	7.30	50.7	ug/Kg
108-88-3	Toluene	1.60	U	1.60	10.1	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/03/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-90	SDG No.:	Q2514
Lab Sample ID:	Q2514-10	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	91.6
Sample Wt/Vol:	2.69 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022982.D	1	07/08/25 17:47	VY070825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	1.30	U	1.30	10.1	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.30	U	1.30	10.1	ug/Kg
79-00-5	1,1,2-Trichloroethane	1.90	U	1.90	10.1	ug/Kg
591-78-6	2-Hexanone	7.50	U	7.50	50.7	ug/Kg
124-48-1	Dibromochloromethane	1.80	U	1.80	10.1	ug/Kg
106-93-4	1,2-Dibromoethane	1.80	U	1.80	10.1	ug/Kg
127-18-4	Tetrachloroethene	2.10	U	2.10	10.1	ug/Kg
108-90-7	Chlorobenzene	1.80	U	1.80	10.1	ug/Kg
100-41-4	Ethyl Benzene	1.40	U	1.40	10.1	ug/Kg
179601-23-1	m/p-Xylenes	2.50	U	2.50	20.3	ug/Kg
95-47-6	o-Xylene	1.70	U	1.70	10.1	ug/Kg
100-42-5	Styrene	1.40	U	1.40	10.1	ug/Kg
75-25-2	Bromoform	1.70	U	1.70	10.1	ug/Kg
98-82-8	Isopropylbenzene	1.60	U	1.60	10.1	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2.50	U	2.50	10.1	ug/Kg
541-73-1	1,3-Dichlorobenzene	3.50	U	3.50	10.1	ug/Kg
106-46-7	1,4-Dichlorobenzene	3.20	U	3.20	10.1	ug/Kg
95-50-1	1,2-Dichlorobenzene	2.90	U	2.90	10.1	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.70	U	3.70	10.1	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	6.00	U	6.00	10.1	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	6.50	U	6.50	10.1	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.9		63 - 155	106%	SPK: 50
1868-53-7	Dibromofluoromethane	51.6		70 - 134	103%	SPK: 50
2037-26-5	Toluene-d8	52.1		74 - 123	104%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.5		17 - 146	111%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	256000	7.707			
540-36-3	1,4-Difluorobenzene	488000	8.616			
3114-55-4	Chlorobenzene-d5	489000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	213000	13.34			

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/03/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-90	SDG No.:	Q2514
Lab Sample ID:	Q2514-10	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	91.6
Sample Wt/Vol:	2.69 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022982.D	1	07/08/25 17:47	VY070825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
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
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

QC SUMMARY

Alliance TECHNICAL GROUP
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Surrogate Summary

SDG No.: Q2514

Client: CDM Smith

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
Q2514-01	TP-92	1,2-Dichloroethane-d4	50	55.6	111		63	155
		Dibromofluoromethane	50	51.8	104		70	134
		Toluene-d8	50	51.4	103		74	123
		4-Bromofluorobenzene	50	56.1	112		17	146
Q2514-02	TP-93	1,2-Dichloroethane-d4	50	51.2	102		63	155
		Dibromofluoromethane	50	52.4	105		70	134
		Toluene-d8	50	50.7	101		74	123
		4-Bromofluorobenzene	50	55.1	110		17	146
Q2514-03	TP-94	1,2-Dichloroethane-d4	50	53.5	107		63	155
		Dibromofluoromethane	50	52.8	106		70	134
		Toluene-d8	50	51.2	102		74	123
		4-Bromofluorobenzene	50	56.4	113		17	146
Q2514-04	TP-96	1,2-Dichloroethane-d4	50	51.1	102		63	155
		Dibromofluoromethane	50	52.5	105		70	134
		Toluene-d8	50	51.3	103		74	123
		4-Bromofluorobenzene	50	53.9	108		17	146
Q2514-05	TP-97	1,2-Dichloroethane-d4	50	56.2	112		63	155
		Dibromofluoromethane	50	52.0	104		70	134
		Toluene-d8	50	51.8	104		74	123
		4-Bromofluorobenzene	50	59.8	120		17	146
Q2514-06	TP-103	1,2-Dichloroethane-d4	50	49.9	100		63	155
		Dibromofluoromethane	50	47.9	96		70	134
		Toluene-d8	50	47.4	95		74	123
		4-Bromofluorobenzene	50	46.1	92		17	146
Q2514-07	TP-36	1,2-Dichloroethane-d4	50	54.9	110		63	155
		Dibromofluoromethane	50	53.5	107		70	134
		Toluene-d8	50	52.5	105		74	123
		4-Bromofluorobenzene	50	56.8	114		17	146
Q2514-08	TP-78	1,2-Dichloroethane-d4	50	54.5	109		63	155
		Dibromofluoromethane	50	51.4	103		70	134
		Toluene-d8	50	51.5	103		74	123
		4-Bromofluorobenzene	50	56.4	113		17	146
Q2514-09	TP-81	1,2-Dichloroethane-d4	50	52.9	106		63	155
		Dibromofluoromethane	50	52.4	105		70	134
		Toluene-d8	50	51.5	103		74	123
		4-Bromofluorobenzene	50	54.7	109		17	146
Q2514-10	TP-90	1,2-Dichloroethane-d4	50	52.9	106		63	155
		Dibromofluoromethane	50	51.6	103		70	134
		Toluene-d8	50	52.1	104		74	123
		4-Bromofluorobenzene	50	55.5	111		17	146
VW0709SBL01	VW0709SBL01	1,2-Dichloroethane-d4	50	44.4	89		63	155
		Dibromofluoromethane	50	46.0	92		70	134
		Toluene-d8	50	45.6	91		74	123
		4-Bromofluorobenzene	50	41.8	84		17	146
VW0709SBS01	VW0709SBS01	1,2-Dichloroethane-d4	50	58.7	117		63	155
		Dibromofluoromethane	50	57.7	115		70	134
		Toluene-d8	50	58.6	117		74	123
		4-Bromofluorobenzene	50	59.5	119		17	146
VY0707SBL01	VY0707SBL01	1,2-Dichloroethane-d4	50	45.8	91		63	155
		Dibromofluoromethane	50	50.4	101		70	134

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Surrogate Summary

SDG No.: Q2514

Client: CDM Smith

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
VY0707SBL01	VY0707SBL01	Toluene-d8	50	50.9	102		74	123
		4-Bromofluorobenzene	50	53.3	107		17	146
VY0707SBS01	VY0707SBS01	1,2-Dichloroethane-d4	50	46.9	94		63	155
		Dibromofluoromethane	50	49.5	99		70	134
		Toluene-d8	50	50.4	101		74	123
		4-Bromofluorobenzene	50	47.0	94		17	146
VY0707SBSD01	VY0707SBSD01	1,2-Dichloroethane-d4	50	47.9	96		63	155
		Dibromofluoromethane	50	50.4	101		70	134
		Toluene-d8	50	50.1	100		74	123
		4-Bromofluorobenzene	50	48.4	97		17	146
VY0708SBL01	VY0708SBL01	1,2-Dichloroethane-d4	50	49.7	99		63	155
		Dibromofluoromethane	50	51.2	102		70	134
		Toluene-d8	50	50.8	102		74	123
		4-Bromofluorobenzene	50	54.9	110		17	146
VY0708SBS01	VY0708SBS01	1,2-Dichloroethane-d4	50	52.0	104		63	155
		Dibromofluoromethane	50	54.0	108		70	134
		Toluene-d8	50	53.5	107		74	123
		4-Bromofluorobenzene	50	51.5	103		17	146

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2514 **Analytical Method:** SW8260D

Client: CDM Smith **Datafile :** VW031769.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VW0709SBS01	Dichlorodifluoromethane	20	23.9	ug/Kg	119			64	136	
	Chloromethane	20	23.4	ug/Kg	117			52	151	
	Vinyl chloride	20	24.1	ug/Kg	121			56	148	
	Bromomethane	20	23.2	ug/Kg	116			58	141	
	Chloroethane	20	23.2	ug/Kg	116			69	130	
	Trichlorofluoromethane	20	20.8	ug/Kg	104			69	134	
	1,1,2-Trichlorotrifluoroethane	20	23.9	ug/Kg	119			81	123	
	1,1-Dichloroethene	20	23.8	ug/Kg	119			79	121	
	Acetone	100	130	ug/Kg	130			40	171	
	Carbon disulfide	20	22.8	ug/Kg	114			59	130	
	Methyl tert-butyl Ether	20	24.4	ug/Kg	122			77	129	
	Methyl Acetate	20	23.1	ug/Kg	116			69	149	
	Methylene Chloride	20	35.2	ug/Kg	176		*	72	131	
	trans-1,2-Dichloroethene	20	24.2	ug/Kg	121			80	123	
	1,1-Dichloroethane	20	24.1	ug/Kg	121			82	123	
	Cyclohexane	20	23.8	ug/Kg	119			76	122	
	2-Butanone	100	130	ug/Kg	130			69	131	
	Carbon Tetrachloride	20	22.9	ug/Kg	115			76	129	
	cis-1,2-Dichloroethene	20	24.8	ug/Kg	124		*	82	123	
	Bromochloromethane	20	24.3	ug/Kg	121			80	127	
	Chloroform	20	24.3	ug/Kg	121			82	125	
	1,1,1-Trichloroethane	20	24.6	ug/Kg	123			80	126	
	Methylcyclohexane	20	22.9	ug/Kg	115			77	123	
	Benzene	20	23.9	ug/Kg	119			84	121	
	1,2-Dichloroethane	20	23.4	ug/Kg	117			81	126	
	Trichloroethene	20	22.7	ug/Kg	114			83	122	
	1,2-Dichloropropane	20	23.5	ug/Kg	117			83	122	
	Bromodichloromethane	20	23.3	ug/Kg	117			82	123	
	4-Methyl-2-Pentanone	100	120	ug/Kg	120			70	135	
	Toluene	20	24.1	ug/Kg	121			83	122	
	t-1,3-Dichloropropene	20	23.4	ug/Kg	117			78	124	
	cis-1,3-Dichloropropene	20	23.5	ug/Kg	117			81	122	
	1,1,2-Trichloroethane	20	23.7	ug/Kg	119			82	125	
	2-Hexanone	100	120	ug/Kg	120			66	138	
	Dibromochloromethane	20	22.3	ug/Kg	112			79	125	
	1,2-Dibromoethane	20	23.8	ug/Kg	119			80	125	
	Tetrachloroethene	20	23.7	ug/Kg	119			83	125	
	Chlorobenzene	20	23.8	ug/Kg	119			84	122	
	Ethyl Benzene	20	23.1	ug/Kg	116			82	124	
	m/p-Xylenes	40	46.8	ug/Kg	117			83	124	
	o-Xylene	20	23.7	ug/Kg	119			83	123	
	Styrene	20	23.9	ug/Kg	119			82	124	
	Bromoform	20	23.7	ug/Kg	119			75	127	
	Isopropylbenzene	20	22.7	ug/Kg	114			82	124	
	1,1,2,2-Tetrachloroethane	20	23.3	ug/Kg	117			77	127	
	1,3-Dichlorobenzene	20	24.1	ug/Kg	121			83	122	
	1,4-Dichlorobenzene	20	23.4	ug/Kg	117			84	121	
	1,2-Dichlorobenzene	20	24.3	ug/Kg	121			83	124	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2514 **Analytical Method:** SW8260D

Client: CDM Smith **Datafile :** VW031769.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VW0709SBS01	1,2-Dibromo-3-Chloropropane	20	21.9	ug/Kg	110			66	134	
	1,2,4-Trichlorobenzene	20	24.2	ug/Kg	121			78	127	
	1,2,3-Trichlorobenzene	20	23.4	ug/Kg	117			70	137	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2514 **Analytical Method:** SW8260D

Client: CDM Smith **Datafile :** VY022948.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0707SBS01	Dichlorodifluoromethane	20	20.3	ug/Kg	102			64	136	
	Chloromethane	20	19.1	ug/Kg	96			52	151	
	Vinyl chloride	20	18.8	ug/Kg	94			56	148	
	Bromomethane	20	18.8	ug/Kg	94			58	141	
	Chloroethane	20	19.0	ug/Kg	95			69	130	
	Trichlorofluoromethane	20	19.1	ug/Kg	96			69	134	
	1,1,2-Trichlorotrifluoroethane	20	21.3	ug/Kg	106			81	123	
	1,1-Dichloroethene	20	20.8	ug/Kg	104			79	121	
	Acetone	100	140	ug/Kg	140			40	171	
	Carbon disulfide	20	20.7	ug/Kg	104			59	130	
	Methyl tert-butyl Ether	20	18.4	ug/Kg	92			77	129	
	Methyl Acetate	20	16.6	ug/Kg	83			69	149	
	Methylene Chloride	20	28.4	ug/Kg	142		*	72	131	
	trans-1,2-Dichloroethene	20	20.6	ug/Kg	103			80	123	
	1,1-Dichloroethane	20	21.3	ug/Kg	106			82	123	
	Cyclohexane	20	21.0	ug/Kg	105			76	122	
	2-Butanone	100	110	ug/Kg	110			69	131	
	Carbon Tetrachloride	20	21.2	ug/Kg	106			76	129	
	cis-1,2-Dichloroethene	20	20.0	ug/Kg	100			82	123	
	Bromochloromethane	20	20.2	ug/Kg	101			80	127	
	Chloroform	20	20.5	ug/Kg	103			82	125	
	1,1,1-Trichloroethane	20	21.0	ug/Kg	105			80	126	
	Methylcyclohexane	20	20.7	ug/Kg	104			77	123	
	Benzene	20	20.7	ug/Kg	104			84	121	
	1,2-Dichloroethane	20	19.5	ug/Kg	98			81	126	
	Trichloroethene	20	21.4	ug/Kg	107			83	122	
	1,2-Dichloropropane	20	20.8	ug/Kg	104			83	122	
	Bromodichloromethane	20	20.3	ug/Kg	102			82	123	
	4-Methyl-2-Pentanone	100	87.9	ug/Kg	88			70	135	
	Toluene	20	20.5	ug/Kg	103			83	122	
	t-1,3-Dichloropropene	20	19.3	ug/Kg	97			78	124	
	cis-1,3-Dichloropropene	20	20.0	ug/Kg	100			81	122	
	1,1,2-Trichloroethane	20	19.3	ug/Kg	97			82	125	
	2-Hexanone	100	97.0	ug/Kg	97			66	138	
	Dibromochloromethane	20	19.3	ug/Kg	97			79	125	
	1,2-Dibromoethane	20	18.6	ug/Kg	93			80	125	
	Tetrachloroethene	20	22.3	ug/Kg	112			83	125	
	Chlorobenzene	20	20.7	ug/Kg	104			84	122	
	Ethyl Benzene	20	20.7	ug/Kg	104			82	124	
	m/p-Xylenes	40	41.4	ug/Kg	104			83	124	
	o-Xylene	20	20.3	ug/Kg	102			83	123	
	Styrene	20	19.8	ug/Kg	99			82	124	
	Bromoform	20	18.3	ug/Kg	92			75	127	
	Isopropylbenzene	20	21.5	ug/Kg	108			82	124	
	1,1,2,2-Tetrachloroethane	20	18.3	ug/Kg	92			77	127	
	1,3-Dichlorobenzene	20	20.7	ug/Kg	104			83	122	
	1,4-Dichlorobenzene	20	20.5	ug/Kg	103			84	121	
	1,2-Dichlorobenzene	20	20.1	ug/Kg	101			83	124	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2514 **Analytical Method:** SW8260D

Client: CDM Smith **Datafile :** VY022948.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0707SBS01	1,2-Dibromo-3-Chloropropane	20	16.8	ug/Kg	84			66	134	
	1,2,4-Trichlorobenzene	20	18.4	ug/Kg	92			78	127	
	1,2,3-Trichlorobenzene	20	17.7	ug/Kg	89			70	137	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2514 **Analytical Method:** SW8260D

Client: CDM Smith **Datafile :** VY022949.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0707SBSD01	Dichlorodifluoromethane	20	20.5	ug/Kg	103	1		64	136	20
	Chloromethane	20	19.3	ug/Kg	97	1		52	151	20
	Vinyl chloride	20	18.7	ug/Kg	94	0		56	148	20
	Bromomethane	20	19.0	ug/Kg	95	1		58	141	20
	Chloroethane	20	19.2	ug/Kg	96	1		69	130	20
	Trichlorofluoromethane	20	19.2	ug/Kg	96	0		69	134	20
	1,1,2-Trichlorotrifluoroethane	20	21.8	ug/Kg	109	3		81	123	20
	1,1-Dichloroethene	20	21.0	ug/Kg	105	1		79	121	20
	Acetone	100	150	ug/Kg	150	7		40	171	20
	Carbon disulfide	20	20.7	ug/Kg	104	0		59	130	20
	Methyl tert-butyl Ether	20	19.7	ug/Kg	99	7		77	129	20
	Methyl Acetate	20	17.0	ug/Kg	85	2		69	149	20
	Methylene Chloride	20	34.4	ug/Kg	172	19	*	72	131	20
	trans-1,2-Dichloroethene	20	20.5	ug/Kg	103	0		80	123	20
	1,1-Dichloroethane	20	21.4	ug/Kg	107	1		82	123	20
	Cyclohexane	20	21.0	ug/Kg	105	0		76	122	20
	2-Butanone	100	120	ug/Kg	120	9		69	131	20
	Carbon Tetrachloride	20	21.1	ug/Kg	106	0		76	129	20
	cis-1,2-Dichloroethene	20	20.6	ug/Kg	103	3		82	123	20
	Bromochloromethane	20	21.5	ug/Kg	108	7		80	127	20
	Chloroform	20	20.9	ug/Kg	104	1		82	125	20
	1,1,1-Trichloroethane	20	21.3	ug/Kg	106	1		80	126	20
	Methylcyclohexane	20	21.0	ug/Kg	105	1		77	123	20
	Benzene	20	21.3	ug/Kg	106	2		84	121	20
	1,2-Dichloroethane	20	20.3	ug/Kg	102	4		81	126	20
	Trichloroethene	20	21.1	ug/Kg	106	1		83	122	20
	1,2-Dichloropropane	20	21.7	ug/Kg	109	5		83	122	20
	Bromodichloromethane	20	20.7	ug/Kg	104	2		82	123	20
	4-Methyl-2-Pentanone	100	99.0	ug/Kg	99	12		70	135	20
	Toluene	20	20.9	ug/Kg	104	1		83	122	20
	t-1,3-Dichloropropene	20	20.2	ug/Kg	101	4		78	124	20
	cis-1,3-Dichloropropene	20	21.4	ug/Kg	107	7		81	122	20
	1,1,2-Trichloroethane	20	20.3	ug/Kg	102	5		82	125	20
	2-Hexanone	100	110	ug/Kg	110	13		66	138	20
	Dibromochloromethane	20	20.2	ug/Kg	101	4		79	125	20
	1,2-Dibromoethane	20	19.9	ug/Kg	100	7		80	125	20
	Tetrachloroethene	20	21.4	ug/Kg	107	5		83	125	20
	Chlorobenzene	20	20.9	ug/Kg	104	0		84	122	20
	Ethyl Benzene	20	20.7	ug/Kg	104	0		82	124	20
	m/p-Xylenes	40	41.4	ug/Kg	104	0		83	124	20
	o-Xylene	20	20.1	ug/Kg	101	1		83	123	20
	Styrene	20	20.1	ug/Kg	101	2		82	124	20
	Bromoform	20	19.5	ug/Kg	98	6		75	127	20
	Isopropylbenzene	20	21.3	ug/Kg	106	2		82	124	20
	1,1,2,2-Tetrachloroethane	20	21.0	ug/Kg	105	13		77	127	20
	1,3-Dichlorobenzene	20	21.2	ug/Kg	106	2		83	122	20
	1,4-Dichlorobenzene	20	21.0	ug/Kg	105	2		84	121	20
	1,2-Dichlorobenzene	20	20.8	ug/Kg	104	3		83	124	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2514 **Analytical Method:** SW8260D

Client: CDM Smith **Datafile :** VY022949.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0707SBSD01	1,2-Dibromo-3-Chloropropane	20	18.7	ug/Kg	94	11		66	134	20
	1,2,4-Trichlorobenzene	20	19.7	ug/Kg	99	7		78	127	20
	1,2,3-Trichlorobenzene	20	19.7	ug/Kg	99	11		70	137	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2514 **Analytical Method:** SW8260D

Client: CDM Smith **Datafile :** VY022970.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0708SBS01	Dichlorodifluoromethane	20	21.8	ug/Kg	109			64	136	
	Chloromethane	20	22.7	ug/Kg	114			52	151	
	Vinyl chloride	20	21.0	ug/Kg	105			56	148	
	Bromomethane	20	23.1	ug/Kg	116			58	141	
	Chloroethane	20	21.9	ug/Kg	110			69	130	
	Trichlorofluoromethane	20	21.0	ug/Kg	105			69	134	
	1,1,2-Trichlorotrifluoroethane	20	22.8	ug/Kg	114			81	123	
	1,1-Dichloroethene	20	22.3	ug/Kg	112			79	121	
	Acetone	100	160	ug/Kg	160			40	171	
	Carbon disulfide	20	21.9	ug/Kg	110			59	130	
	Methyl tert-butyl Ether	20	20.7	ug/Kg	104			77	129	
	Methyl Acetate	20	18.0	ug/Kg	90			69	149	
	Methylene Chloride	20	29.8	ug/Kg	149		*	72	131	
	trans-1,2-Dichloroethene	20	22.1	ug/Kg	111			80	123	
	1,1-Dichloroethane	20	23.1	ug/Kg	116			82	123	
	Cyclohexane	20	22.7	ug/Kg	114			76	122	
	2-Butanone	100	130	ug/Kg	130			69	131	
	Carbon Tetrachloride	20	22.3	ug/Kg	112			76	129	
	cis-1,2-Dichloroethene	20	22.1	ug/Kg	111			82	123	
	Bromochloromethane	20	22.5	ug/Kg	113			80	127	
	Chloroform	20	22.7	ug/Kg	114			82	125	
	1,1,1-Trichloroethane	20	22.6	ug/Kg	113			80	126	
	Methylcyclohexane	20	22.3	ug/Kg	112			77	123	
	Benzene	20	22.9	ug/Kg	115			84	121	
	1,2-Dichloroethane	20	22.2	ug/Kg	111			81	126	
	Trichloroethene	20	22.7	ug/Kg	114			83	122	
	1,2-Dichloropropane	20	23.3	ug/Kg	117			83	122	
	Bromodichloromethane	20	22.5	ug/Kg	113			82	123	
	4-Methyl-2-Pentanone	100	100	ug/Kg	100			70	135	
	Toluene	20	22.2	ug/Kg	111			83	122	
	t-1,3-Dichloropropene	20	21.7	ug/Kg	109			78	124	
	cis-1,3-Dichloropropene	20	22.5	ug/Kg	113			81	122	
	1,1,2-Trichloroethane	20	21.7	ug/Kg	109			82	125	
	2-Hexanone	100	120	ug/Kg	120			66	138	
	Dibromochloromethane	20	21.3	ug/Kg	106			79	125	
	1,2-Dibromoethane	20	20.9	ug/Kg	104			80	125	
	Tetrachloroethene	20	23.1	ug/Kg	116			83	125	
	Chlorobenzene	20	22.3	ug/Kg	112			84	122	
	Ethyl Benzene	20	22.5	ug/Kg	113			82	124	
	m/p-Xylenes	40	44.2	ug/Kg	111			83	124	
	o-Xylene	20	21.8	ug/Kg	109			83	123	
	Styrene	20	21.8	ug/Kg	109			82	124	
	Bromoform	20	20.2	ug/Kg	101			75	127	
	Isopropylbenzene	20	23.1	ug/Kg	116			82	124	
	1,1,2,2-Tetrachloroethane	20	21.2	ug/Kg	106			77	127	
	1,3-Dichlorobenzene	20	22.3	ug/Kg	112			83	122	
	1,4-Dichlorobenzene	20	22.4	ug/Kg	112			84	121	
	1,2-Dichlorobenzene	20	22.0	ug/Kg	110			83	124	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2514 **Analytical Method:** SW8260D

Client: CDM Smith **Datafile :** VY022970.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0708SBS01	1,2-Dibromo-3-Chloropropane	20	19.9	ug/Kg	100			66	134	
	1,2,4-Trichlorobenzene	20	20.7	ug/Kg	104			78	127	
	1,2,3-Trichlorobenzene	20	19.9	ug/Kg	100			70	137	

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VOLATILE METHOD BLANK SUMMARY

Client ID: VW0709SBL01

Lab Name: Alliance Contract: CAMP02

Lab Code: ACE SDG NO.: Q2514

Lab File ID: VW031768.D Lab Sample ID: VW0709SBL01

Date Analyzed: 07/09/2025 Time Analyzed: 10:58

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

Instrument ID: MSVOA_W

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VW0709SBS01	VW0709SBS01	VW031769.D	07/09/2025
TP-103	Q2514-06	VW031775.D	07/09/2025

COMMENTS:

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Fax : 908 789 8922

VOLATILE METHOD BLANK SUMMARY

Client ID: VY0707SBL01

Lab Name: Alliance Contract: CAMP02

Lab Code: ACE SDG NO.: Q2514

Lab File ID: VY022947.D Lab Sample ID: VY0707SBL01

Date Analyzed: 07/07/2025 Time Analyzed: 09:44

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

Instrument ID: MSVOA_Y

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VY0707SBS01	VY0707SBS01	VY022948.D	07/07/2025
VY0707SBSD01	VY0707SBSD01	VY022949.D	07/07/2025
TP-92	Q2514-01	VY022964.D	07/07/2025
TP-93	Q2514-02	VY022965.D	07/07/2025

COMMENTS:

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Fax : 908 789 8922

VOLATILE METHOD BLANK SUMMARY

Client ID: VY0708SBL01

Lab Name: Alliance Contract: CAMP02

Lab Code: ACE SDG NO.: Q2514

Lab File ID: VY022969.D Lab Sample ID: VY0708SBL01

Date Analyzed: 07/08/2025 Time Analyzed: 11:44

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

Instrument ID: MSVOA_Y

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VY0708SBS01	VY0708SBS01	VY022970.D	07/08/2025
TP-94	Q2514-03	VY022975.D	07/08/2025
TP-96	Q2514-04	VY022976.D	07/08/2025
TP-97	Q2514-05	VY022977.D	07/08/2025
TP-36	Q2514-07	VY022979.D	07/08/2025
TP-78	Q2514-08	VY022980.D	07/08/2025
TP-81	Q2514-09	VY022981.D	07/08/2025
TP-90	Q2514-10	VY022982.D	07/08/2025

COMMENTS:

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: CAMP02

Lab Code: ACE | SDG NO.: Q2514

Lab File ID: VW031728.D | BFB Injection Date: 06/30/2025

Instrument ID: MSVOA_W | BFB Injection Time: 08:56

GC Column: RXI-624 ID: 0.25 (mm) | Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.7
75	30.0 - 60.0% of mass 95	52.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 100.0% of mass 95	65.4
175	5.0 - 9.0% of mass 174	5.4 (8.2) 1
176	95.0 - 101.0% of mass 174	64.8 (99.2) 1
177	5.0 - 9.0% of mass 176	4.1 (6.3) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC005	VSTDICC005	VW031729.D	06/30/2025	09:54
VSTDICC010	VSTDICC010	VW031730.D	06/30/2025	10:15
VSTDICC020	VSTDICC020	VW031731.D	06/30/2025	10:58
VSTDICCC050	VSTDICCC050	VW031732.D	06/30/2025	11:21
VSTDICC100	VSTDICC100	VW031733.D	06/30/2025	12:34
VSTDICC150	VSTDICC150	VW031734.D	06/30/2025	12:55

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: CAMP02

Lab Code: ACE | SDG NO.: Q2514

Lab File ID: VW031766.D | BFB Injection Date: 07/09/2025

Instrument ID: MSVOA_W | BFB Injection Time: 08:51

GC Column: RXI-624 ID: 0.25 (mm) | Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18.9
75	30.0 - 60.0% of mass 95	52.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 100.0% of mass 95	68.4
175	5.0 - 9.0% of mass 174	5.3 (7.7) 1
176	95.0 - 101.0% of mass 174	65 (95.1) 1
177	5.0 - 9.0% of mass 176	4.2 (6.5) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VW031767.D	07/09/2025	10:00
VW0709SBL01	VW0709SBL01	VW031768.D	07/09/2025	10:58
VW0709SBS01	VW0709SBS01	VW031769.D	07/09/2025	11:34
TP-103	Q2514-06	VW031775.D	07/09/2025	14:56

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Contract: CAMP02
Lab Code: ACE
SDG NO.: Q2514
Lab File ID: VY022775.D
BFB Injection Date: 06/23/2025
Instrument ID: MSVOA_Y
BFB Injection Time: 10:17
GC Column: RXI-624 ID: 0.25 (mm)
Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	22.8
75	30.0 - 60.0% of mass 95	56.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.9 (1.1) 1
174	50.0 - 100.0% of mass 95	81.9
175	5.0 - 9.0% of mass 174	6 (7.4) 1
176	95.0 - 101.0% of mass 174	78.2 (95.5) 1
177	5.0 - 9.0% of mass 176	5.1 (6.5) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC005	VSTDICC005	VY022776.D	06/23/2025	13:38
VSTDICC010	VSTDICC010	VY022777.D	06/23/2025	14:00
VSTDICC020	VSTDICC020	VY022778.D	06/23/2025	14:23
VSTDICCC050	VSTDICCC050	VY022779.D	06/23/2025	14:46
VSTDICC100	VSTDICC100	VY022780.D	06/23/2025	15:08
VSTDICC150	VSTDICC150	VY022781.D	06/23/2025	15:31

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: CAMP02

Lab Code: ACE | SDG NO.: Q2514

Lab File ID: VY022945.D | BFB Injection Date: 07/07/2025

Instrument ID: MSVOA_Y | BFB Injection Time: 08:36

GC Column: RXI-624 ID: 0.25 (mm) | Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20.9
75	30.0 - 60.0% of mass 95	53.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.3
173	Less than 2.0% of mass 174	1 (1.2) 1
174	50.0 - 100.0% of mass 95	84
175	5.0 - 9.0% of mass 174	6.1 (7.2) 1
176	95.0 - 101.0% of mass 174	79.8 (95) 1
177	5.0 - 9.0% of mass 176	5.4 (6.8) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VY022946.D	07/07/2025	09:08
VY0707SBL01	VY0707SBL01	VY022947.D	07/07/2025	09:44
VY0707SBS01	VY0707SBS01	VY022948.D	07/07/2025	10:17
VY0707SBSD01	VY0707SBSD01	VY022949.D	07/07/2025	10:40
TP-92	Q2514-01	VY022964.D	07/07/2025	16:45
TP-93	Q2514-02	VY022965.D	07/07/2025	17:09

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: CAMP02

Lab Code: ACE | SDG NO.: Q2514

Lab File ID: VY022967.D | BFB Injection Date: 07/08/2025

Instrument ID: MSVOA_Y | BFB Injection Time: 08:30

GC Column: RXI-624 ID: 0.25 (mm) | Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	21.4
75	30.0 - 60.0% of mass 95	54.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	1 (1.2) 1
174	50.0 - 100.0% of mass 95	83.3
175	5.0 - 9.0% of mass 174	6.1 (7.3) 1
176	95.0 - 101.0% of mass 174	80.1 (96.2) 1
177	5.0 - 9.0% of mass 176	5.3 (6.6) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VY022968.D	07/08/2025	11:15
VY0708SBL01	VY0708SBL01	VY022969.D	07/08/2025	11:44
VY0708SBS01	VY0708SBS01	VY022970.D	07/08/2025	12:12
TP-94	Q2514-03	VY022975.D	07/08/2025	15:03
TP-96	Q2514-04	VY022976.D	07/08/2025	15:26
TP-97	Q2514-05	VY022977.D	07/08/2025	15:50
TP-36	Q2514-07	VY022979.D	07/08/2025	16:37
TP-78	Q2514-08	VY022980.D	07/08/2025	17:00
TP-81	Q2514-09	VY022981.D	07/08/2025	17:23
TP-90	Q2514-10	VY022982.D	07/08/2025	17:47

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: CAMP02

Lab Code: ACE SDG NO.: Q2514

Lab File ID: VW031767.D Date Analyzed: 07/09/2025

Instrument ID: MSVOA_W Time Analyzed: 10:00

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	247441	7.96	422710	8.85	377094	11.63
UPPER LIMIT	494882	8.459	845420	9.349	754188	12.129
LOWER LIMIT	123721	7.459	211355	8.349	188547	11.129
EPA SAMPLE NO.						
TP-103	196576	7.97	400527	8.86	357765	11.63
VW0709SBL01	208773	7.97	393637	8.85	349817	11.63
VW0709SBS01	187242	7.95	349121	8.85	314319	11.63

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: CAMP02

Lab Code: ACE SDG NO.: Q2514

Lab File ID: VW031767.D Date Analyzed: 07/09/2025

Instrument ID: MSVOA_W Time Analyzed: 10:00

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT #				
12 HOUR STD	179078	13.556				
UPPER LIMIT	358156	14.056				
LOWER LIMIT	89539	13.056				
EPA SAMPLE NO.						
TP-103	165193	13.56				
VW0709SBL01	163801	13.56				
VW0709SBS01	151914	13.56				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: CAMP02

Lab Code: ACE SDG NO.: Q2514

Lab File ID: VY022946.D Date Analyzed: 07/07/2025

Instrument ID: MSVOA_Y Time Analyzed: 09:08

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	469181	7.71	754142	8.62	648632	11.41
UPPER LIMIT	938362	8.207	1508280	9.116	1297260	11.914
LOWER LIMIT	234591	7.207	377071	8.116	324316	10.914
EPA SAMPLE NO.						
TP-92	278822	7.71	532794	8.62	532521	11.41
TP-93	278769	7.71	553496	8.62	549755	11.41
VY0707SBL01	359794	7.71	659995	8.62	632698	11.41
VY0707SBS01	438661	7.71	730129	8.61	612594	11.41
VY0707SBSD01	433247	7.71	718134	8.62	614643	11.41

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: CAMP02

Lab Code: ACE SDG NO.: Q2514

Lab File ID: VY022946.D Date Analyzed: 07/07/2025

Instrument ID: MSVOA_Y Time Analyzed: 09:08

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT #				
12 HOUR STD	317038	13.347				
UPPER LIMIT	634076	13.847				
LOWER LIMIT	158519	12.847				
EPA SAMPLE NO.						
TP-92	221432	13.35				
TP-93	231894	13.34				
VY0707SBL01	266428	13.35				
VY0707SBS01	286401	13.35				
VY0707SBSD01	290747	13.34				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: CAMP02

Lab Code: ACE SDG NO.: Q2514

Lab File ID: VY022968.D Date Analyzed: 07/08/2025

Instrument ID: MSVOA_Y Time Analyzed: 11:15

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	422213	7.71	699147	8.62	604420	11.41
UPPER LIMIT	844426	8.207	1398290	9.116	1208840	11.914
LOWER LIMIT	211107	7.207	349574	8.116	302210	10.914
EPA SAMPLE NO.						
TP-94	274589	7.71	526595	8.62	522704	11.41
TP-96	295080	7.71	566250	8.62	555076	11.41
TP-97	262340	7.71	502677	8.61	519133	11.41
TP-36	258321	7.71	491752	8.61	506681	11.41
TP-78	255362	7.71	483185	8.62	487885	11.41
TP-81	259223	7.71	494832	8.62	487827	11.41
TP-90	256463	7.71	488482	8.62	488896	11.41
VY0708SBL01	314896	7.71	593436	8.62	582188	11.41
VY0708SBS01	371442	7.71	616012	8.62	524718	11.41

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: CAMP02

Lab Code: ACE SDG NO.: Q2514

Lab File ID: VY022968.D Date Analyzed: 07/08/2025

Instrument ID: MSVOA_Y Time Analyzed: 11:15

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT #				
12 HOUR STD	299896	13.347				
UPPER LIMIT	599792	13.847				
LOWER LIMIT	149948	12.847				
EPA SAMPLE NO.						
TP-94	228112	13.35				
TP-96	231819	13.34				
TP-97	237990	13.34				
TP-36	226768	13.34				
TP-78	216806	13.35				
TP-81	213426	13.34				
TP-90	212620	13.34				
VY0708SBL01	250516	13.34				
VY0708SBS01	246530	13.34				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

QC SAMPLE DATA

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VW0709SBL01	SDG No.:	Q2514
Lab Sample ID:	VW0709SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW031768.D	1	07/09/25 10:58	VW070925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.10	U	1.10	5.00	ug/Kg
74-87-3	Chloromethane	1.10	U	1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	0.79	U	0.79	5.00	ug/Kg
74-83-9	Bromomethane	1.10	U	1.10	5.00	ug/Kg
75-00-3	Chloroethane	1.30	U	1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	1.20	U	1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.10	U	1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	1.00	U	1.00	5.00	ug/Kg
67-64-1	Acetone	4.70	U	4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	1.10	U	1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.73	U	0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	1.50	U	1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	3.50	U	3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.86	U	0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	0.80	U	0.80	5.00	ug/Kg
110-82-7	Cyclohexane	0.79	U	0.79	5.00	ug/Kg
78-93-3	2-Butanone	6.50	U	6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	0.97	U	0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	1.20	U	1.20	5.00	ug/Kg
67-66-3	Chloroform	0.84	U	0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.93	U	0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	0.91	U	0.91	5.00	ug/Kg
71-43-2	Benzene	0.79	U	0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	0.79	U	0.79	5.00	ug/Kg
79-01-6	Trichloroethene	0.81	U	0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	0.91	U	0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	0.78	U	0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.60	U	3.60	25.0	ug/Kg
108-88-3	Toluene	0.78	U	0.78	5.00	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VW0709SBL01	SDG No.:	Q2514
Lab Sample ID:	VW0709SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW031768.D	1	07/09/25 10:58	VW070925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.65	U	0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.62	U	0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.92	U	0.92	5.00	ug/Kg
591-78-6	2-Hexanone	3.70	U	3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	0.87	U	0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	0.88	U	0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	1.10	U	1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	0.91	U	0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	0.67	U	0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	1.20	U	1.20	10.0	ug/Kg
95-47-6	o-Xylene	0.82	U	0.82	5.00	ug/Kg
100-42-5	Styrene	0.71	U	0.71	5.00	ug/Kg
75-25-2	Bromoform	0.86	U	0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	0.78	U	0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.20	U	1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.70	U	1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.60	U	1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.50	U	1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.80	U	1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.00	U	3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.20	U	3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	44.4		63 - 155	89%	SPK: 50
1868-53-7	Dibromofluoromethane	46.0		70 - 134	92%	SPK: 50
2037-26-5	Toluene-d8	45.6		74 - 123	91%	SPK: 50
460-00-4	4-Bromofluorobenzene	41.8		17 - 146	84%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	209000	7.965			
540-36-3	1,4-Difluorobenzene	394000	8.849			
3114-55-4	Chlorobenzene-d5	350000	11.629			
3855-82-1	1,4-Dichlorobenzene-d4	164000	13.556			

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VW0709SBL01	SDG No.:	Q2514
Lab Sample ID:	VW0709SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW031768.D	1	07/09/25 10:58	VW070925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
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
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VY0707SBL01	SDG No.:	Q2514
Lab Sample ID:	VY0707SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022947.D	1	07/07/25 09:44	VY070725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.10	U	1.10	5.00	ug/Kg
74-87-3	Chloromethane	1.10	U	1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	0.79	U	0.79	5.00	ug/Kg
74-83-9	Bromomethane	1.10	U	1.10	5.00	ug/Kg
75-00-3	Chloroethane	1.30	U	1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	1.20	U	1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.10	U	1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	1.00	U	1.00	5.00	ug/Kg
67-64-1	Acetone	4.70	U	4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	1.10	U	1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.73	U	0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	1.50	U	1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	3.50	U	3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.86	U	0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	0.80	U	0.80	5.00	ug/Kg
110-82-7	Cyclohexane	0.79	U	0.79	5.00	ug/Kg
78-93-3	2-Butanone	6.50	U	6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	0.97	U	0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	1.20	U	1.20	5.00	ug/Kg
67-66-3	Chloroform	0.84	U	0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.93	U	0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	0.91	U	0.91	5.00	ug/Kg
71-43-2	Benzene	0.79	U	0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	0.79	U	0.79	5.00	ug/Kg
79-01-6	Trichloroethene	0.81	U	0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	0.91	U	0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	0.78	U	0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.60	U	3.60	25.0	ug/Kg
108-88-3	Toluene	0.78	U	0.78	5.00	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VY0707SBL01	SDG No.:	Q2514
Lab Sample ID:	VY0707SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022947.D	1	07/07/25 09:44	VY070725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.65	U	0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.62	U	0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.92	U	0.92	5.00	ug/Kg
591-78-6	2-Hexanone	3.70	U	3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	0.87	U	0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	0.88	U	0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	1.10	U	1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	0.91	U	0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	0.67	U	0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	1.20	U	1.20	10.0	ug/Kg
95-47-6	o-Xylene	0.82	U	0.82	5.00	ug/Kg
100-42-5	Styrene	0.71	U	0.71	5.00	ug/Kg
75-25-2	Bromoform	0.86	U	0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	0.78	U	0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.20	U	1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.70	U	1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.60	U	1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.50	U	1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.80	U	1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.00	U	3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.20	U	3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	45.7		63 - 155	91%	SPK: 50
1868-53-7	Dibromofluoromethane	50.4		70 - 134	101%	SPK: 50
2037-26-5	Toluene-d8	50.9		74 - 123	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.3		17 - 146	107%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	360000	7.707			
540-36-3	1,4-Difluorobenzene	660000	8.616			
3114-55-4	Chlorobenzene-d5	633000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	266000	13.346			

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VY0707SBL01	SDG No.:	Q2514
Lab Sample ID:	VY0707SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022947.D	1	07/07/25 09:44	VY070725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
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
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VY0708SBL01	SDG No.:	Q2514
Lab Sample ID:	VY0708SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022969.D	1	07/08/25 11:44	VY070825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.10	U	1.10	5.00	ug/Kg
74-87-3	Chloromethane	1.10	U	1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	0.79	U	0.79	5.00	ug/Kg
74-83-9	Bromomethane	1.10	U	1.10	5.00	ug/Kg
75-00-3	Chloroethane	1.30	U	1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	1.20	U	1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.10	U	1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	1.00	U	1.00	5.00	ug/Kg
67-64-1	Acetone	4.70	U	4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	1.10	U	1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.73	U	0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	1.50	U	1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	3.50	U	3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.86	U	0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	0.80	U	0.80	5.00	ug/Kg
110-82-7	Cyclohexane	0.79	U	0.79	5.00	ug/Kg
78-93-3	2-Butanone	6.50	U	6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	0.97	U	0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	1.20	U	1.20	5.00	ug/Kg
67-66-3	Chloroform	0.84	U	0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.93	U	0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	0.91	U	0.91	5.00	ug/Kg
71-43-2	Benzene	0.79	U	0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	0.79	U	0.79	5.00	ug/Kg
79-01-6	Trichloroethene	0.81	U	0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	0.91	U	0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	0.78	U	0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.60	U	3.60	25.0	ug/Kg
108-88-3	Toluene	0.78	U	0.78	5.00	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VY0708SBL01	SDG No.:	Q2514
Lab Sample ID:	VY0708SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022969.D	1	07/08/25 11:44	VY070825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.65	U	0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.62	U	0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.92	U	0.92	5.00	ug/Kg
591-78-6	2-Hexanone	3.70	U	3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	0.87	U	0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	0.88	U	0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	1.10	U	1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	0.91	U	0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	0.67	U	0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	1.20	U	1.20	10.0	ug/Kg
95-47-6	o-Xylene	0.82	U	0.82	5.00	ug/Kg
100-42-5	Styrene	0.71	U	0.71	5.00	ug/Kg
75-25-2	Bromoform	0.86	U	0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	0.78	U	0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.20	U	1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.70	U	1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.60	U	1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.50	U	1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.80	U	1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.00	U	3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.20	U	3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.7		63 - 155	99%	SPK: 50
1868-53-7	Dibromofluoromethane	51.2		70 - 134	102%	SPK: 50
2037-26-5	Toluene-d8	50.8		74 - 123	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.9		17 - 146	110%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	315000	7.707			
540-36-3	1,4-Difluorobenzene	593000	8.616			
3114-55-4	Chlorobenzene-d5	582000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	251000	13.34			

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VY0708SBL01	SDG No.:	Q2514
Lab Sample ID:	VY0708SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022969.D	1	07/08/25 11:44	VY070825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
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
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VW0709SBS01	SDG No.:	Q2514
Lab Sample ID:	VW0709SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW031769.D	1	07/09/25 11:34	VW070925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	23.9		1.10	5.00	ug/Kg
74-87-3	Chloromethane	23.4		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	24.1		0.79	5.00	ug/Kg
74-83-9	Bromomethane	23.2		1.10	5.00	ug/Kg
75-00-3	Chloroethane	23.2		1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	20.8		1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	23.9		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	23.8		1.00	5.00	ug/Kg
67-64-1	Acetone	130		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	22.8		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	24.4		0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	23.1		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	35.2		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	24.2		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	24.1		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	23.8		0.79	5.00	ug/Kg
78-93-3	2-Butanone	130		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	22.9		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	24.8		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	24.3		1.20	5.00	ug/Kg
67-66-3	Chloroform	24.3		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	24.6		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	22.9		0.91	5.00	ug/Kg
71-43-2	Benzene	23.9		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	23.4		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	22.7		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	23.5		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	23.3		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	120		3.60	25.0	ug/Kg
108-88-3	Toluene	24.1		0.78	5.00	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VW0709SBS01	SDG No.:	Q2514
Lab Sample ID:	VW0709SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW031769.D	1	07/09/25 11:34	VW070925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	23.4		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	23.5		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	23.7		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	120		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	22.3		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	23.8		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	23.7		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	23.8		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	23.1		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	46.8		1.20	10.0	ug/Kg
95-47-6	o-Xylene	23.7		0.82	5.00	ug/Kg
100-42-5	Styrene	23.9		0.71	5.00	ug/Kg
75-25-2	Bromoform	23.7		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	22.7		0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	23.3		1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	24.1		1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	23.4		1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	24.3		1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	21.9		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	24.2		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	23.4		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	58.7		63 - 155	117%	SPK: 50
1868-53-7	Dibromofluoromethane	57.7		70 - 134	115%	SPK: 50
2037-26-5	Toluene-d8	58.6		74 - 123	117%	SPK: 50
460-00-4	4-Bromofluorobenzene	59.5		17 - 146	119%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	187000	7.953			
540-36-3	1,4-Difluorobenzene	349000	8.849			
3114-55-4	Chlorobenzene-d5	314000	11.629			
3855-82-1	1,4-Dichlorobenzene-d4	152000	13.556			

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VW0709SBS01	SDG No.:	Q2514
Lab Sample ID:	VW0709SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW031769.D	1	07/09/25 11:34	VW070925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
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
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VY0707SBS01	SDG No.:	Q2514
Lab Sample ID:	VY0707SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022948.D	1	07/07/25 10:17	VY070725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	20.3		1.10	5.00	ug/Kg
74-87-3	Chloromethane	19.1		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	18.8		0.79	5.00	ug/Kg
74-83-9	Bromomethane	18.8		1.10	5.00	ug/Kg
75-00-3	Chloroethane	19.0		1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	19.1		1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	21.3		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	20.8		1.00	5.00	ug/Kg
67-64-1	Acetone	140		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	20.7		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	18.4		0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	16.6		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	28.4		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	20.6		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	21.3		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	21.0		0.79	5.00	ug/Kg
78-93-3	2-Butanone	110		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	21.2		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	20.0		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	20.2		1.20	5.00	ug/Kg
67-66-3	Chloroform	20.5		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	21.0		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	20.7		0.91	5.00	ug/Kg
71-43-2	Benzene	20.7		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	19.5		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	21.4		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	20.8		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	20.3		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	87.9		3.60	25.0	ug/Kg
108-88-3	Toluene	20.5		0.78	5.00	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VY0707SBS01	SDG No.:	Q2514
Lab Sample ID:	VY0707SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022948.D	1	07/07/25 10:17	VY070725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	19.3		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	20.0		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	19.3		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	97.0		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	19.3		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	18.6		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	22.3		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	20.7		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	20.7		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	41.4		1.20	10.0	ug/Kg
95-47-6	o-Xylene	20.3		0.82	5.00	ug/Kg
100-42-5	Styrene	19.8		0.71	5.00	ug/Kg
75-25-2	Bromoform	18.3		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	21.5		0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	18.3		1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	20.7		1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	20.5		1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	20.1		1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	16.8		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	18.4		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	17.7		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	46.9		63 - 155	94%	SPK: 50
1868-53-7	Dibromofluoromethane	49.5		70 - 134	99%	SPK: 50
2037-26-5	Toluene-d8	50.4		74 - 123	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.0		17 - 146	94%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	439000	7.707			
540-36-3	1,4-Difluorobenzene	730000	8.609			
3114-55-4	Chlorobenzene-d5	613000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	286000	13.346			

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VY0707SBS01	SDG No.:	Q2514
Lab Sample ID:	VY0707SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022948.D	1	07/07/25 10:17	VY070725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
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
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VY0708SBS01	SDG No.:	Q2514
Lab Sample ID:	VY0708SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022970.D	1	07/08/25 12:12	VY070825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	21.8		1.10	5.00	ug/Kg
74-87-3	Chloromethane	22.7		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	21.0		0.79	5.00	ug/Kg
74-83-9	Bromomethane	23.1		1.10	5.00	ug/Kg
75-00-3	Chloroethane	21.9		1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	21.0		1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	22.8		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	22.3		1.00	5.00	ug/Kg
67-64-1	Acetone	160		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	21.9		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	20.7		0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	18.0		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	29.8		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	22.1		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	23.1		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	22.7		0.79	5.00	ug/Kg
78-93-3	2-Butanone	130		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	22.3		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	22.1		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	22.5		1.20	5.00	ug/Kg
67-66-3	Chloroform	22.7		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	22.6		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	22.3		0.91	5.00	ug/Kg
71-43-2	Benzene	22.9		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	22.2		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	22.7		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	23.3		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	22.5		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	100		3.60	25.0	ug/Kg
108-88-3	Toluene	22.2		0.78	5.00	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VY0708SBS01	SDG No.:	Q2514
Lab Sample ID:	VY0708SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022970.D	1	07/08/25 12:12	VY070825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	21.7		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	22.5		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	21.7		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	120		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	21.3		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	20.9		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	23.1		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	22.3		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	22.5		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	44.2		1.20	10.0	ug/Kg
95-47-6	o-Xylene	21.8		0.82	5.00	ug/Kg
100-42-5	Styrene	21.8		0.71	5.00	ug/Kg
75-25-2	Bromoform	20.2		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	23.1		0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	21.2		1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	22.3		1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	22.4		1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	22.0		1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	19.9		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	20.7		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	19.9		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.0		63 - 155	104%	SPK: 50
1868-53-7	Dibromofluoromethane	54.0		70 - 134	108%	SPK: 50
2037-26-5	Toluene-d8	53.5		74 - 123	107%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.5		17 - 146	103%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	371000	7.707			
540-36-3	1,4-Difluorobenzene	616000	8.616			
3114-55-4	Chlorobenzene-d5	525000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	247000	13.34			

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VY0708SBS01	SDG No.:	Q2514
Lab Sample ID:	VY0708SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022970.D	1	07/08/25 12:12	VY070825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
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
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Fax : 908 789 8922

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VY0707SBSD01	SDG No.:	Q2514
Lab Sample ID:	VY0707SBSD01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022949.D	1	07/07/25 10:40	VY070725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	20.5		1.10	5.00	ug/Kg
74-87-3	Chloromethane	19.3		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	18.7		0.79	5.00	ug/Kg
74-83-9	Bromomethane	19.0		1.10	5.00	ug/Kg
75-00-3	Chloroethane	19.2		1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	19.2		1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	21.8		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	21.0		1.00	5.00	ug/Kg
67-64-1	Acetone	150		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	20.7		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	19.7		0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	17.0		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	34.4		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	20.5		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	21.4		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	21.0		0.79	5.00	ug/Kg
78-93-3	2-Butanone	120		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	21.1		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	20.6		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	21.5		1.20	5.00	ug/Kg
67-66-3	Chloroform	20.9		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	21.3		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	21.0		0.91	5.00	ug/Kg
71-43-2	Benzene	21.3		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	20.3		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	21.1		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	21.7		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	20.7		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	99.0		3.60	25.0	ug/Kg
108-88-3	Toluene	20.9		0.78	5.00	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VY0707SBSD01	SDG No.:	Q2514
Lab Sample ID:	VY0707SBSD01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022949.D	1	07/07/25 10:40	VY070725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	20.2		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	21.4		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	20.3		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	110		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	20.2		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	19.9		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	21.4		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	20.9		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	20.7		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	41.4		1.20	10.0	ug/Kg
95-47-6	o-Xylene	20.1		0.82	5.00	ug/Kg
100-42-5	Styrene	20.1		0.71	5.00	ug/Kg
75-25-2	Bromoform	19.5		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	21.3		0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	21.0		1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	21.2		1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	21.0		1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	20.8		1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	18.7		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	19.7		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	19.7		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.9		63 - 155	96%	SPK: 50
1868-53-7	Dibromofluoromethane	50.4		70 - 134	101%	SPK: 50
2037-26-5	Toluene-d8	50.1		74 - 123	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.4		17 - 146	97%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	433000	7.707			
540-36-3	1,4-Difluorobenzene	718000	8.615			
3114-55-4	Chlorobenzene-d5	615000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	291000	13.34			

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VY0707SBSD01	SDG No.:	Q2514
Lab Sample ID:	VY0707SBSD01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022949.D	1	07/07/25 10:40	VY070725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
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J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

CALIBRATION SUMMARY

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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: CAMP02

Lab Code: ACE SDG No.: Q2514

Instrument ID: MSVOA_W Calibration Date(s): 06/30/2025 06/30/2025

Heated Purge: (Y/N) Y Calibration Time(s): 09:54 12:55

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID: RRF005 = VW031729.D RRF010 = VW031730.D RRF020 = VW031731.D
RRF050 = VW031732.D RRF100 = VW031733.D RRF150 = VW031734.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.330	0.371	0.352	0.310	0.329	0.351	0.341	6.3
Chloromethane	0.409	0.410	0.428	0.375	0.405	0.436	0.411	5.1
Vinyl Chloride	0.523	0.534	0.576	0.514	0.545	0.546	0.540	4
Bromomethane	0.429	0.431	0.443	0.396	0.412	0.418	0.421	3.9
Chloroethane	0.370	0.372	0.379	0.347	0.360	0.372	0.367	3.1
Trichlorofluoromethane	0.509	0.508	0.442	0.469	0.466	0.546	0.490	7.7
1,1,2-Trichlorotrifluoroethane	0.577	0.563	0.569	0.508	0.517	0.530	0.544	5.4
1,1-Dichloroethene	0.602	0.625	0.622	0.556	0.581	0.588	0.596	4.4
Acetone	0.238	0.191	0.171	0.163	0.157	0.144	0.177	18.8
Carbon Disulfide	1.571	1.588	1.647	1.536	1.590	1.633	1.594	2.5
Methyl tert-butyl Ether	1.007	1.018	1.038	1.033	0.982	0.988	1.011	2.3
Methyl Acetate	0.540	0.523	0.498	0.528	0.467	0.485	0.507	5.6
Methylene Chloride	1.029	0.980	0.905	0.692	0.655	0.626	0.814	21.7
trans-1,2-Dichloroethene	0.635	0.623	0.667	0.613	0.631	0.629	0.633	2.9
1,1-Dichloroethane	1.154	1.163	1.219	1.116	1.131	1.153	1.156	3.1
Cyclohexane	1.175	1.065	1.033	0.937	0.940	0.981	1.022	8.9
2-Butanone	0.224	0.224	0.221	0.249	0.231	0.237	0.231	4.6
Carbon Tetrachloride	0.477	0.498	0.498	0.461	0.468	0.485	0.481	3.2
cis-1,2-Dichloroethene	0.711	0.709	0.754	0.716	0.736	0.740	0.728	2.5
Bromochloromethane	0.531	0.501	0.535	0.504	0.500	0.489	0.510	3.7
Chloroform	1.230	1.239	1.299	1.204	1.189	1.208	1.228	3.2
1,1,1-Trichloroethane	0.933	0.983	0.971	0.925	0.907	0.959	0.946	3.1
Methylcyclohexane	0.573	0.571	0.604	0.566	0.592	0.619	0.587	3.6
Benzene	1.410	1.394	1.483	1.375	1.349	1.371	1.397	3.4
1,2-Dichloroethane	0.490	0.490	0.493	0.464	0.449	0.445	0.472	4.7
Trichloroethene	0.344	0.346	0.367	0.344	0.337	0.354	0.349	3.1
1,2-Dichloropropane	0.348	0.344	0.353	0.331	0.324	0.325	0.338	3.7
Bromodichloromethane	0.509	0.512	0.524	0.511	0.502	0.510	0.511	1.4
4-Methyl-2-Pentanone	0.285	0.301	0.295	0.313	0.289	0.287	0.295	3.5
Toluene	0.882	0.898	0.938	0.876	0.874	0.899	0.894	2.7

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: CAMP02

Lab Code: ACE SDG No.: Q2514

Instrument ID: MSVOA_W Calibration Date(s): 06/30/2025 06/30/2025

Heated Purge: (Y/N) Y Calibration Time(s): 09:54 12:55

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID: RRF005 = VW031729.D RRF010 = VW031730.D RRF020 = VW031731.D
RRF050 = VW031732.D RRF100 = VW031733.D RRF150 = VW031734.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.432	0.460	0.491	0.496	0.497	0.500	0.480	5.7
cis-1,3-Dichloropropene	0.514	0.521	0.571	0.549	0.547	0.560	0.544	4.1
1,1,2-Trichloroethane	0.299	0.282	0.299	0.285	0.275	0.273	0.286	4
2-Hexanone	0.185	0.201	0.195	0.219	0.201	0.199	0.200	5.6
Dibromochloromethane	0.329	0.332	0.353	0.352	0.336	0.345	0.341	3
1,2-Dibromoethane	0.288	0.285	0.296	0.290	0.274	0.281	0.286	2.7
Tetrachloroethene	0.331	0.321	0.324	0.314	0.329	0.344	0.327	3.2
Chlorobenzene	1.128	1.116	1.116	1.062	1.078	1.120	1.103	2.4
Ethyl Benzene	1.860	1.899	1.911	1.885	1.934	1.989	1.913	2.3
m/p-Xylenes	0.690	0.730	0.751	0.727	0.750	0.764	0.735	3.6
o-Xylene	0.636	0.654	0.685	0.682	0.705	0.723	0.681	4.7
Styrene	1.066	1.154	1.195	1.209	1.206	1.232	1.177	5.1
Bromoform	0.197	0.202	0.203	0.219	0.215	0.223	0.210	5.1
Isopropylbenzene	3.643	3.549	3.683	3.732	4.080	4.132	3.803	6.4
1,1,2,2-Tetrachloroethane	0.891	0.839	0.812	0.843	0.829	0.852	0.844	3.2
1,3-Dichlorobenzene	1.771	1.705	1.683	1.644	1.681	1.723	1.701	2.5
1,4-Dichlorobenzene	1.815	1.750	1.700	1.702	1.735	1.745	1.741	2.4
1,2-Dichlorobenzene	1.599	1.518	1.511	1.575	1.563	1.563	1.555	2.2
1,2-Dibromo-3-Chloropropane	0.169	0.159	0.153	0.166	0.167	0.174	0.165	4.6
1,2,4-Trichlorobenzene	0.965	0.899	0.929	0.933	1.000	1.028	0.959	5
1,2,3-Trichlorobenzene	0.863	0.865	0.827	0.862	0.944	0.926	0.881	5
1,2-Dichloroethane-d4	0.731	0.732	0.739	0.715	0.702	0.687	0.718	2.8
Dibromofluoromethane	0.322	0.324	0.348	0.324	0.327	0.312	0.326	3.6
Toluene-d8	1.121	1.245	1.290	1.208	1.229	1.193	1.214	4.7
4-Bromofluorobenzene	0.436	0.452	0.463	0.447	0.450	0.434	0.447	2.4

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: CAMP02

Lab Code: ACE SDG No.: Q2514

Instrument ID: MSVOA_Y Calibration Date(s): 06/23/2025 06/23/2025

Heated Purge: (Y/N) Y Calibration Time(s): 13:38 15:31

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID: RRF005 = VY022776.D RRF010 = VY022777.D RRF020 = VY022778.D
RRF050 = VY022779.D RRF100 = VY022780.D RRF150 = VY022781.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.424	0.456	0.474	0.424	0.404	0.384	0.428	7.7
Chloromethane	0.837	0.921	0.865	0.793	0.758	0.724	0.816	8.9
Vinyl Chloride	0.934	1.099	1.091	1.045	0.993	0.958	1.020	6.8
Bromomethane	0.784	0.885	0.854	0.771	0.760	0.756	0.802	6.8
Chloroethane	0.649	0.736	0.722	0.694	0.673	0.640	0.686	5.6
Trichlorofluoromethane	0.999	1.180	1.219	1.166	1.127	1.085	1.129	7
1,1,2-Trichlorotrifluoroethane	0.508	0.560	0.547	0.515	0.492	0.474	0.516	6.3
1,1-Dichloroethene	0.478	0.539	0.524	0.514	0.500	0.483	0.506	4.7
Acetone	0.117	0.124	0.114	0.095	0.096	0.087	0.105	13.9
Carbon Disulfide	1.516	1.705	1.731	1.667	1.625	1.566	1.635	5.1
Methyl tert-butyl Ether	1.173	1.398	1.396	1.435	1.460	1.405	1.378	7.5
Methyl Acetate	0.272	0.358	0.440	0.351	0.353	0.322	0.349	15.7
Methylene Chloride	0.840	0.777	0.664	0.590	0.578	0.548	0.666	17.7
trans-1,2-Dichloroethene	0.521	0.604	0.597	0.592	0.581	0.575	0.578	5.2
1,1-Dichloroethane	0.949	1.075	1.079	1.077	1.055	1.030	1.044	4.8
Cyclohexane	0.998	1.021	0.988	0.946	0.905	0.894	0.959	5.4
2-Butanone	0.145	0.160	0.160	0.153	0.156	0.147	0.154	4.4
Carbon Tetrachloride	0.439	0.498	0.507	0.491	0.492	0.491	0.486	5
cis-1,2-Dichloroethene	0.606	0.689	0.687	0.685	0.687	0.678	0.672	4.8
Bromochloromethane	0.437	0.431	0.437	0.459	0.443	0.427	0.439	2.6
Chloroform	0.986	1.130	1.099	1.096	1.084	1.059	1.076	4.6
1,1,1-Trichloroethane	0.847	0.945	0.973	0.950	0.939	0.923	0.929	4.7
Methylcyclohexane	0.543	0.589	0.610	0.618	0.608	0.611	0.596	4.7
Benzene	1.248	1.433	1.451	1.464	1.467	1.440	1.417	5.9
1,2-Dichloroethane	0.335	0.397	0.402	0.400	0.404	0.392	0.388	6.8
Trichloroethene	0.305	0.364	0.382	0.372	0.360	0.350	0.356	7.6
1,2-Dichloropropane	0.289	0.339	0.345	0.339	0.341	0.337	0.332	6.4
Bromodichloromethane	0.422	0.495	0.496	0.498	0.504	0.498	0.485	6.4
4-Methyl-2-Pentanone	0.168	0.201	0.215	0.226	0.230	0.221	0.210	10.9
Toluene	0.747	0.873	0.908	0.926	0.955	0.954	0.894	8.8

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: CAMP02

Lab Code: ACE SDG No.: Q2514

Instrument ID: MSVOA_Y Calibration Date(s): 06/23/2025 06/23/2025

Heated Purge: (Y/N) Y Calibration Time(s): 13:38 15:31

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID: RRF005 = VY022776.D RRF010 = VY022777.D RRF020 = VY022778.D
RRF050 = VY022779.D RRF100 = VY022780.D RRF150 = VY022781.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.355	0.430	0.438	0.451	0.473	0.473	0.437	10
cis-1,3-Dichloropropene	0.412	0.503	0.523	0.524	0.540	0.538	0.506	9.6
1,1,2-Trichloroethane	0.207	0.249	0.249	0.253	0.255	0.250	0.244	7.4
2-Hexanone	0.115	0.140	0.145	0.151	0.157	0.149	0.143	10.5
Dibromochloromethane	0.260	0.315	0.321	0.329	0.336	0.329	0.315	8.8
1,2-Dibromoethane	0.193	0.231	0.229	0.237	0.244	0.236	0.228	7.8
Tetrachloroethene	0.399	0.465	0.535	0.515	0.473	0.446	0.472	10.3
Chlorobenzene	0.981	1.110	1.131	1.126	1.130	1.114	1.099	5.3
Ethyl Benzene	1.644	1.881	1.971	2.029	2.040	2.018	1.930	7.9
m/p-Xylenes	0.624	0.722	0.759	0.782	0.800	0.791	0.746	8.8
o-Xylene	0.578	0.674	0.708	0.734	0.759	0.765	0.703	10
Styrene	0.926	1.108	1.165	1.249	1.309	1.309	1.178	12.5
Bromoform	0.178	0.204	0.203	0.212	0.225	0.220	0.207	8
Isopropylbenzene	3.354	3.764	3.823	3.778	3.709	3.759	3.698	4.7
1,1,2,2-Tetrachloroethane	0.597	0.659	0.566	0.567	0.594	0.593	0.596	5.6
1,3-Dichlorobenzene	1.546	1.660	1.692	1.708	1.750	1.744	1.683	4.5
1,4-Dichlorobenzene	1.564	1.740	1.688	1.685	1.690	1.666	1.672	3.5
1,2-Dichlorobenzene	1.395	1.488	1.502	1.499	1.515	1.502	1.483	3
1,2-Dibromo-3-Chloropropane	0.102	0.101	0.103	0.103	0.102	0.096	0.101	2.7
1,2,4-Trichlorobenzene	0.778	0.841	0.848	0.843	0.871	0.845	0.838	3.7
1,2,3-Trichlorobenzene	0.679	0.723	0.735	0.728	0.751	0.727	0.724	3.3
1,2-Dichloroethane-d4	0.568	0.550	0.557	0.559	0.571	0.545	0.558	1.8
Dibromofluoromethane	0.306	0.297	0.295	0.304	0.314	0.308	0.304	2.3
Toluene-d8	1.182	1.148	1.186	1.215	1.262	1.247	1.207	3.6
4-Bromofluorobenzene	0.368	0.362	0.370	0.385	0.423	0.421	0.388	7

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance
Contract: CAMP02
Lab Code: ACE
SDG No.: Q2514
Instrument ID: MSVOA_W
Calibration Date/Time: 07/09/2025 10:00
Lab File ID: VW031767.D
Init. Calib. Date(s): 06/30/2025 06/30/2025
Heated Purge: (Y/N) Y
Init. Calib. Time(s): 09:54 12:55
GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.341	0.331		-2.93	20
Chloromethane	0.411	0.384	0.1	-6.57	20
Vinyl Chloride	0.540	0.532		-1.48	20
Bromomethane	0.421	0.386		-8.31	20
Chloroethane	0.367	0.343		-6.54	20
Trichlorofluoromethane	0.490	0.475		-3.06	20
1,1,2-Trichlorotrifluoroethane	0.544	0.529		-2.76	20
1,1-Dichloroethene	0.596	0.593		-0.5	20
Acetone	0.177	0.171		-3.39	20
Carbon Disulfide	1.594	1.557		-2.32	20
Methyl tert-butyl Ether	1.011	1.032		2.08	20
Methyl Acetate	0.507	0.530		4.54	20
Methylene Chloride	0.814	0.724		-11.06	20
trans-1,2-Dichloroethene	0.633	0.619		-2.21	20
1,1-Dichloroethane	1.156	1.146	0.1	-0.87	20
Cyclohexane	1.022	0.962		-5.87	20
2-Butanone	0.231	0.241		4.33	20
Carbon Tetrachloride	0.481	0.516		7.28	20
cis-1,2-Dichloroethene	0.728	0.736		1.1	20
Bromochloromethane	0.510	0.495		-2.94	20
Chloroform	1.228	1.231		0.24	20
1,1,1-Trichloroethane	0.946	0.975		3.07	20
Methylcyclohexane	0.587	0.631		7.5	20
Benzene	1.397	1.463		4.72	20
1,2-Dichloroethane	0.472	0.483		2.33	20
Trichloroethene	0.349	0.365		4.59	20
1,2-Dichloropropane	0.338	0.351		3.85	20
Bromodichloromethane	0.511	0.539		5.48	20
4-Methyl-2-Pentanone	0.295	0.323		9.49	20
Toluene	0.894	0.951		6.38	20
t-1,3-Dichloropropene	0.480	0.527		9.79	20
cis-1,3-Dichloropropene	0.544	0.580		6.62	20
1,1,2-Trichloroethane	0.286	0.298		4.2	20
2-Hexanone	0.200	0.226		13	20
Dibromochloromethane	0.341	0.372		9.09	20
1,2-Dibromoethane	0.286	0.299		4.55	20
Tetrachloroethene	0.327	0.331		1.22	20
Chlorobenzene	1.103	1.179	0.3	6.89	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: CAMP02

Lab Code: ACE SDG No.: Q2514

Instrument ID: MSVOA_W Calibration Date/Time: 07/09/2025 10:00

Lab File ID: VW031767.D Init. Calib. Date(s): 06/30/2025 06/30/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 09:54 12:55

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.913	2.057		7.53	20
m/p-Xylenes	0.735	0.791		7.62	20
o-Xylene	0.681	0.750		10.13	20
Styrene	1.177	1.273		8.16	20
Bromoform	0.210	0.238	0.1	13.33	20
Isopropylbenzene	3.803	4.177		9.83	20
1,1,2,2-Tetrachloroethane	0.844	0.907	0.3	7.46	20
1,3-Dichlorobenzene	1.701	1.802		5.94	20
1,4-Dichlorobenzene	1.741	1.775		1.95	20
1,2-Dichlorobenzene	1.555	1.600		2.89	20
1,2-Dibromo-3-Chloropropane	0.165	0.179		8.48	20
1,2,4-Trichlorobenzene	0.959	1.007		5.01	20
1,2,3-Trichlorobenzene	0.881	1.004		13.96	20
1,2-Dichloroethane-d4	0.718	0.657		-8.5	20
Dibromofluoromethane	0.326	0.327		0.31	20
Toluene-d8	1.214	1.234		1.65	20
4-Bromofluorobenzene	0.447	0.452		1.12	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance
Contract: CAMP02
Lab Code: ACE
SDG No.: Q2514
Instrument ID: MSVOA_Y
Calibration Date/Time: 07/07/2025 09:08
Lab File ID: VY022946.D
Init. Calib. Date(s): 06/23/2025 06/23/2025
Heated Purge: (Y/N) Y
Init. Calib. Time(s): 13:38 15:31
GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.428	0.380		-11.22	20
Chloromethane	0.816	0.771	0.1	-5.51	20
Vinyl Chloride	1.020	0.912		-10.59	20
Bromomethane	0.802	0.649		-19.08	20
Chloroethane	0.686	0.623		-9.18	20
Trichlorofluoromethane	1.129	1.008		-10.72	20
1,1,2-Trichlorotrifluoroethane	0.516	0.504		-2.33	20
1,1-Dichloroethene	0.506	0.485		-4.15	20
Acetone	0.105	0.125		19.05	20
Carbon Disulfide	1.635	1.542		-5.69	20
Methyl tert-butyl Ether	1.378	1.304		-5.37	20
Methyl Acetate	0.349	0.311		-10.89	20
Methylene Chloride	0.666	0.591		-11.26	20
trans-1,2-Dichloroethene	0.578	0.557		-3.63	20
1,1-Dichloroethane	1.044	1.033	0.1	-1.05	20
Cyclohexane	0.959	0.918		-4.28	20
2-Butanone	0.154	0.158		2.6	20
Carbon Tetrachloride	0.486	0.497		2.26	20
cis-1,2-Dichloroethene	0.672	0.646		-3.87	20
Bromochloromethane	0.439	0.443		0.91	20
Chloroform	1.076	1.037		-3.54	20
1,1,1-Trichloroethane	0.929	0.915		-1.51	20
Methylcyclohexane	0.596	0.610		2.35	20
Benzene	1.417	1.451		2.4	20
1,2-Dichloroethane	0.388	0.385		-0.77	20
Trichloroethene	0.356	0.363		1.97	20
1,2-Dichloropropane	0.332	0.341		2.71	20
Bromodichloromethane	0.485	0.491		1.24	20
4-Methyl-2-Pentanone	0.210	0.217		3.33	20
Toluene	0.894	0.904		1.12	20
t-1,3-Dichloropropene	0.437	0.448		2.52	20
cis-1,3-Dichloropropene	0.506	0.524		3.56	20
1,1,2-Trichloroethane	0.244	0.246		0.82	20
2-Hexanone	0.143	0.151		5.59	20
Dibromochloromethane	0.315	0.319		1.27	20
1,2-Dibromoethane	0.228	0.227		-0.44	20
Tetrachloroethene	0.472	0.483		2.33	20
Chlorobenzene	1.099	1.117	0.3	1.64	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: CAMP02

Lab Code: ACE SDG No.: Q2514

Instrument ID: MSVOA_Y Calibration Date/Time: 07/07/2025 09:08

Lab File ID: VY022946.D Init. Calib. Date(s): 06/23/2025 06/23/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 13:38 15:31

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.930	2.005		3.89	20
m/p-Xylenes	0.746	0.775		3.89	20
o-Xylene	0.703	0.715		1.71	20
Styrene	1.178	1.211		2.8	20
Bromoform	0.207	0.206	0.1	-0.48	20
Isopropylbenzene	3.698	3.864		4.49	20
1,1,2,2-Tetrachloroethane	0.596	0.609	0.3	2.18	20
1,3-Dichlorobenzene	1.683	1.729		2.73	20
1,4-Dichlorobenzene	1.672	1.691		1.14	20
1,2-Dichlorobenzene	1.483	1.504		1.42	20
1,2-Dibromo-3-Chloropropane	0.101	0.101		0	20
1,2,4-Trichlorobenzene	0.838	0.846		0.95	20
1,2,3-Trichlorobenzene	0.724	0.712		-1.66	20
1,2-Dichloroethane-d4	0.558	0.526		-5.74	20
Dibromofluoromethane	0.304	0.304		0	20
Toluene-d8	1.207	1.210		0.25	20
4-Bromofluorobenzene	0.388	0.394		1.55	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance
Contract: CAMP02
Lab Code: ACE
SDG No.: Q2514
Instrument ID: MSVOA_Y
Calibration Date/Time: 07/08/2025 11:15
Lab File ID: VY022968.D
Init. Calib. Date(s): 06/23/2025 06/23/2025
Heated Purge: (Y/N) Y
Init. Calib. Time(s): 13:38 15:31
GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.428	0.354		-17.29	20
Chloromethane	0.816	0.814	0.1	-0.25	20
Vinyl Chloride	1.020	0.965		-5.39	20
Bromomethane	0.802	0.764		-4.74	20
Chloroethane	0.686	0.670		-2.33	20
Trichlorofluoromethane	1.129	1.053		-6.73	20
1,1,2-Trichlorotrifluoroethane	0.516	0.487		-5.62	20
1,1-Dichloroethene	0.506	0.476		-5.93	20
Acetone	0.105	0.122		16.19	20
Carbon Disulfide	1.635	1.468		-10.21	20
Methyl tert-butyl Ether	1.378	1.374		-0.29	20
Methyl Acetate	0.349	0.354		1.43	20
Methylene Chloride	0.666	0.638		-4.2	20
trans-1,2-Dichloroethene	0.578	0.544		-5.88	20
1,1-Dichloroethane	1.044	1.034	0.1	-0.96	20
Cyclohexane	0.959	0.901		-6.05	20
2-Butanone	0.154	0.165		7.14	20
Carbon Tetrachloride	0.486	0.476		-2.06	20
cis-1,2-Dichloroethene	0.672	0.641		-4.61	20
Bromochloromethane	0.439	0.454		3.42	20
Chloroform	1.076	1.046		-2.7	20
1,1,1-Trichloroethane	0.929	0.902		-2.91	20
Methylcyclohexane	0.596	0.582		-2.35	20
Benzene	1.417	1.404		-0.92	20
1,2-Dichloroethane	0.388	0.393		1.29	20
Trichloroethene	0.356	0.347		-2.53	20
1,2-Dichloropropane	0.332	0.337		1.51	20
Bromodichloromethane	0.485	0.482		-0.62	20
4-Methyl-2-Pentanone	0.210	0.230		9.52	20
Toluene	0.894	0.893		-0.11	20
t-1,3-Dichloropropene	0.437	0.444		1.6	20
cis-1,3-Dichloropropene	0.506	0.518		2.37	20
1,1,2-Trichloroethane	0.244	0.245		0.41	20
2-Hexanone	0.143	0.158		10.49	20
Dibromochloromethane	0.315	0.313		-0.63	20
1,2-Dibromoethane	0.228	0.231		1.32	20
Tetrachloroethene	0.472	0.449		-4.87	20
Chlorobenzene	1.099	1.090	0.3	-0.82	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: CAMP02

Lab Code: ACE SDG No.: Q2514

Instrument ID: MSVOA_Y Calibration Date/Time: 07/08/2025 11:15

Lab File ID: VY022968.D Init. Calib. Date(s): 06/23/2025 06/23/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 13:38 15:31

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.930	1.941		0.57	20
m/p-Xylenes	0.746	0.752		0.8	20
o-Xylene	0.703	0.706		0.43	20
Styrene	1.178	1.195		1.44	20
Bromoform	0.207	0.210	0.1	1.45	20
Isopropylbenzene	3.698	3.689		-0.24	20
1,1,2,2-Tetrachloroethane	0.596	0.621	0.3	4.2	20
1,3-Dichlorobenzene	1.683	1.671		-0.71	20
1,4-Dichlorobenzene	1.672	1.637		-2.09	20
1,2-Dichlorobenzene	1.483	1.455		-1.89	20
1,2-Dibromo-3-Chloropropane	0.101	0.103		1.98	20
1,2,4-Trichlorobenzene	0.838	0.807		-3.7	20
1,2,3-Trichlorobenzene	0.724	0.692		-4.42	20
1,2-Dichloroethane-d4	0.558	0.544		-2.51	20
Dibromofluoromethane	0.304	0.301		-0.99	20
Toluene-d8	1.207	1.196		-0.91	20
4-Bromofluorobenzene	0.388	0.385		-0.77	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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LAB CHRONICLE

OrderID:	Q2514	**OrderDate:**	7/3/2025 1:29:00 PM
Client:	CDM Smith	**Project:**	South River WM Replacement
Contact:	Marcie Ann Encinas	**Location:**	O21,O22,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2514-01	**TP-92**	**SOIL**			**07/02/25**			**07/03/25**
			SVOC-TCL BNA -20	8270E		07/07/25	07/08/25	
Q2514-02	**TP-93**	**SOIL**			**07/02/25**			**07/03/25**
			SVOC-TCL BNA -20	8270E		07/07/25	07/07/25	
Q2514-03	**TP-94**	**SOIL**			**07/02/25**			**07/03/25**
			SVOC-TCL BNA -20	8270E		07/07/25	07/08/25	
Q2514-04	**TP-96**	**SOIL**			**07/02/25**			**07/03/25**
			SVOC-TCL BNA -20	8270E		07/07/25	07/08/25	
Q2514-05	**TP-97**	**SOIL**			**07/02/25**			**07/03/25**
			SVOC-TCL BNA -20	8270E		07/07/25	07/08/25	
Q2514-06	**TP-103**	**SOIL**			**07/02/25**			**07/03/25**
			SVOC-TCL BNA -20	8270E		07/07/25	07/08/25	
Q2514-07	**TP-36**	**SOIL**			**07/03/25**			**07/03/25**
			SVOC-TCL BNA -20	8270E		07/07/25	07/08/25	
Q2514-08	**TP-78**	**SOIL**			**07/03/25**			**07/03/25**
			SVOC-TCL BNA -20	8270E		07/07/25	07/08/25	
Q2514-09	**TP-81**	**SOIL**			**07/03/25**			**07/03/25**
			SVOC-TCL BNA -20	8270E		07/07/25	07/08/25	
Q2514-10	**TP-90**	**SOIL**			**07/03/25**			**07/03/25**
			SVOC-TCL BNA -20	8270E		07/07/25	07/08/25	

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Hit Summary Sheet
SW-846

SDG No.: Q2514

Client: CDM Smith

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID : TP-92									
Q2514-01	TP-92	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	220.000	AB	0	0	ug/Kg
Q2514-01	TP-92	SOIL	Benzophenone	*	260.000	J	0	0	ug/Kg
Q2514-01	TP-92	SOIL	Phenyl(2-phenyl-1,3-dioxolan-2-y	*	190.000	J	0	0	ug/Kg
Q2514-01	TP-92	SOIL	unknown13.716	*	97.500	J	0	0	ug/Kg
Q2514-01	TP-92	SOIL	unknown13.886	*	99.000	J	0	0	ug/Kg
			Total Tics :		**866.50**				
			Total Concentration:		**866.50**				
Client ID : TP-93									
Q2514-02	TP-93	SOIL	1-Octadecanesulphonyl chloride	*	100.000	J	0	0	ug/Kg
Q2514-02	TP-93	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	170.000	AB	0	0	ug/Kg
Q2514-02	TP-93	SOIL	Benzophenone	*	180.000	J	0	0	ug/Kg
Q2514-02	TP-93	SOIL	Eicosane	*	300.000	J	0	0	ug/Kg
Q2514-02	TP-93	SOIL	Heptacosane	*	140.000	J	0	0	ug/Kg
Q2514-02	TP-93	SOIL	Heptadecane	*	130.000	J	0	0	ug/Kg
Q2514-02	TP-93	SOIL	Heptadecyl trifluoroacetate	*	160.000	J	0	0	ug/Kg
Q2514-02	TP-93	SOIL	Hexacosane	*	87.400	J	0	0	ug/Kg
Q2514-02	TP-93	SOIL	n-Hexadecanoic acid	*	150.000	J	0	0	ug/Kg
Q2514-02	TP-93	SOIL	Nonadecane	*	160.000	J	0	0	ug/Kg
Q2514-02	TP-93	SOIL	Octacosane	*	81.300	J	0	0	ug/Kg
Q2514-02	TP-93	SOIL	Pentadecane, 2,6,10,14-tetrameth	*	79.000	J	0	0	ug/Kg
Q2514-02	TP-93	SOIL	Tetracosane	*	100.000	J	0	0	ug/Kg
Q2514-02	TP-93	SOIL	Tetradecane	*	80.900	J	0	0	ug/Kg
Q2514-02	TP-93	SOIL	Tridecane	*	130.000	J	0	0	ug/Kg
			Total Tics :		**2,048.60**				
			Total Concentration:		**2,048.60**				
Client ID : TP-94									
Q2514-03	TP-94	SOIL	1-Heneicosanol	*	180.000	J	0	0	ug/Kg
Q2514-03	TP-94	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	230.000	AB	0	0	ug/Kg
Q2514-03	TP-94	SOIL	3,6,9,12-Tetraoxatetradecane-1,14	*	210.000	J	0	0	ug/Kg
Q2514-03	TP-94	SOIL	Benzophenone	*	230.000	J	0	0	ug/Kg
Q2514-03	TP-94	SOIL	n-Tetracosanol-1	*	210.000	J	0	0	ug/Kg
			Total Tics :		**1,060.00**				
			Total Concentration:		**1,060.00**				
Client ID : TP-96									
Q2514-04	TP-96	SOIL	Phenanthrene		79.200	J	24.3	200	ug/Kg
Q2514-04	TP-96	SOIL	Fluoranthene		420.000		34.9	200	ug/Kg

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Hit Summary Sheet
SW-846

SDG No.: Q2514

Client: CDM Smith

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Q2514-04	TP-96	SOIL	Pyrene		200.000		41.9	200	ug/Kg
Q2514-04	TP-96	SOIL	Benzo(a)anthracene		180.000	J	26.8	200	ug/Kg
Q2514-04	TP-96	SOIL	Chrysene		200.000		23.2	200	ug/Kg
Q2514-04	TP-96	SOIL	Benzo(b)fluoranthene		310.000		22.1	200	ug/Kg
Q2514-04	TP-96	SOIL	Benzo(k)fluoranthene		140.000	J	26.1	200	ug/Kg
Q2514-04	TP-96	SOIL	Benzo(a)pyrene		210.000		34.3	200	ug/Kg
Q2514-04	TP-96	SOIL	Indeno(1,2,3-cd)pyrene		79.300	J	33.9	200	ug/Kg
Q2514-04	TP-96	SOIL	Benzo(g,h,i)perylene		96.500	J	29.9	200	ug/Kg
			Total Svoc :		**1,915.00**				
Q2514-04	TP-96	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	170.000	AB	0	0	ug/Kg
Q2514-04	TP-96	SOIL	Benzo[e]pyrene	*	160.000	J	0	0	ug/Kg
Q2514-04	TP-96	SOIL	Benzophenone	*	170.000	J	0	0	ug/Kg
Q2514-04	TP-96	SOIL	unknown13.904	*	140.000	J	0	0	ug/Kg
			Total Tics :		**640.00**				
			Total Concentration:		**2,555.00**				
Client ID :	**TP-97**								
Q2514-05	TP-97	SOIL	Fluoranthene		92.400	J	35.2	200	ug/Kg
Q2514-05	TP-97	SOIL	Pyrene		86.500	J	42.3	200	ug/Kg
Q2514-05	TP-97	SOIL	Chrysene		80.800	J	23.4	200	ug/Kg
Q2514-05	TP-97	SOIL	Benzo(b)fluoranthene		120.000	J	22.3	200	ug/Kg
Q2514-05	TP-97	SOIL	Benzo(a)pyrene		87.500	J	34.6	200	ug/Kg
			Total Svoc :		**467.20**				
Q2514-05	TP-97	SOIL	Benzophenone	*	230.000	J	0	0	ug/Kg
Q2514-05	TP-97	SOIL	2,2-(Ethane-1,2-diylbis(oxy))bis(	*	150.000	J	0	0	ug/Kg
Q2514-05	TP-97	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	210.000	AB	0	0	ug/Kg
			Total Tics :		**590.00**				
			Total Concentration:		**1,057.20**				
Client ID :	**TP-103**								
Q2514-06	TP-103	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	220.000	AB	0	0	ug/Kg
Q2514-06	TP-103	SOIL	Benzophenone	*	170.000	J	0	0	ug/Kg
Q2514-06	TP-103	SOIL	Diethylene glycol dibenzoate	*	120.000	J	0	0	ug/Kg
			Total Tics :		**510.00**				
			Total Concentration:		**510.00**				
Client ID :	**TP-36**								
Q2514-07	TP-36	SOIL	1-Hexadecanol	*	200.000	J	0	0	ug/Kg
Q2514-07	TP-36	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	200.000	AB	0	0	ug/Kg
Q2514-07	TP-36	SOIL	Benzophenone	*	270.000	J	0	0	ug/Kg
Q2514-07	TP-36	SOIL	Eicosane	*	6,300.000	J	0	0	ug/Kg
Q2514-07	TP-36	SOIL	Heneicosane	*	540.000	J	0	0	ug/Kg

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Hit Summary Sheet
SW-846

SDG No.: Q2514

Client: CDM Smith

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Q2514-07	TP-36	SOIL	Hentriacontane	*	200.000	JB	0	0	ug/Kg
Q2514-07	TP-36	SOIL	Heptacosane	*	2,100.000	J	0	0	ug/Kg
Q2514-07	TP-36	SOIL	Hexacosane	*	3,800.000	J	0	0	ug/Kg
Q2514-07	TP-36	SOIL	n-Hexadecanoic acid	*	1,400.000	J	0	0	ug/Kg
Q2514-07	TP-36	SOIL	Octacosane	*	4,400.000	J	0	0	ug/Kg
Q2514-07	TP-36	SOIL	Octacosane, 2-methyl-	*	310.000	J	0	0	ug/Kg
Q2514-07	TP-36	SOIL	Octadecanoic acid	*	2,000.000	J	0	0	ug/Kg
Q2514-07	TP-36	SOIL	Octadecanoic acid, dodecyl ester	*	630.000	J	0	0	ug/Kg
Q2514-07	TP-36	SOIL	Pentacosane	*	2,400.000	J	0	0	ug/Kg
Q2514-07	TP-36	SOIL	Pentadecafluorooctanoic acid, oct	*	580.000	J	0	0	ug/Kg
Q2514-07	TP-36	SOIL	Tetracosane	*	8,000.000	J	0	0	ug/Kg
Q2514-07	TP-36	SOIL	Tetracosane, 11-decyl-	*	980.000	J	0	0	ug/Kg
Q2514-07	TP-36	SOIL	Tetratetracontane	*	140.000	J	0	0	ug/Kg
Q2514-07	TP-36	SOIL	Tricosane, 2-methyl-	*	130.000	J	0	0	ug/Kg
Q2514-07	TP-36	SOIL	unknown17.256	*	330.000	J	0	0	ug/Kg
			Total Tics :		**34,910.00**				
			Total Concentration:		**34,910.00**				
Client ID :	**TP-78**								
Q2514-08	TP-78	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	250.000	AB	0	0	ug/Kg
Q2514-08	TP-78	SOIL	Benzophenone	*	320.000	J	0	0	ug/Kg
Q2514-08	TP-78	SOIL	Dotriacontane, 1-iodo-	*	110.000	J	0	0	ug/Kg
Q2514-08	TP-78	SOIL	Octacosane	*	94.900	J	0	0	ug/Kg
Q2514-08	TP-78	SOIL	Octadecanoic acid	*	120.000	J	0	0	ug/Kg
Q2514-08	TP-78	SOIL	Octadecyl trifluoroacetate	*	150.000	J	0	0	ug/Kg
Q2514-08	TP-78	SOIL	Phenyl(2-phenyl-1,3-dioxolan-2-y	*	180.000	J	0	0	ug/Kg
			Total Tics :		**1,224.90**				
			Total Concentration:		**1,224.90**				
Client ID :	**TP-81**								
Q2514-09	TP-81	SOIL	2-Bromomethyl-2-phenyl[1,3]dio	*	190.000	J	0	0	ug/Kg
Q2514-09	TP-81	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	200.000	AB	0	0	ug/Kg
Q2514-09	TP-81	SOIL	Benzophenone	*	230.000	J	0	0	ug/Kg
Q2514-09	TP-81	SOIL	unknown13.886	*	140.000	J	0	0	ug/Kg
			Total Tics :		**760.00**				
			Total Concentration:		**760.00**				
Client ID :	**TP-90**								
Q2514-10	TP-90	SOIL	Fluoranthene		94.700	J	32.7	190	ug/Kg
Q2514-10	TP-90	SOIL	Benzo(a)anthracene		73.500	J	25	190	ug/Kg
Q2514-10	TP-90	SOIL	Chrysene		74.000	J	21.7	190	ug/Kg
Q2514-10	TP-90	SOIL	Benzo(b)fluoranthene		140.000	J	20.7	190	ug/Kg

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Hit Summary Sheet
SW-846

SDG No.: Q2514

Client: CDM Smith

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Q2514-10	TP-90	SOIL	Benzo(a)pyrene		98.900	J	32.1	190	ug/Kg
			Total Svoc :		**481.10**				
Q2514-10	TP-90	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	110.000	AB	0	0	ug/Kg
Q2514-10	TP-90	SOIL	Benzo[e]pyrene	*	77.300	J	0	0	ug/Kg
Q2514-10	TP-90	SOIL	Benzophenone	*	130.000	J	0	0	ug/Kg
Q2514-10	TP-90	SOIL	N-[(2-Phenyl-1,3-dioxolan-2-yl)m	*	86.000	J	0	0	ug/Kg
			Total Tics :		**403.30**				
			Total Concentration:		**884.40**				

SAMPLE DATA

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-92	SDG No.:	Q2514
Lab Sample ID:	Q2514-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	87.4
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143037.D	1	07/07/25 09:00	07/08/25 17:07	PB168737

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	180	U	180	380	ug/Kg
108-95-2	Phenol	25.2	U	25.2	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	27.8	U	27.8	190	ug/Kg
95-57-8	2-Chlorophenol	27.9	U	27.9	190	ug/Kg
95-48-7	2-Methylphenol	34.2	U	34.2	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	42.8	U	42.8	190	ug/Kg
98-86-2	Acetophenone	33.7	U	33.7	190	ug/Kg
65794-96-9	3+4-Methylphenols	46.9	U	46.9	380	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	54.1	U	54.1	91.4	ug/Kg
67-72-1	Hexachloroethane	20.1	U	20.1	190	ug/Kg
98-95-3	Nitrobenzene	20.9	U	20.9	190	ug/Kg
78-59-1	Isophorone	37.5	U	37.5	190	ug/Kg
88-75-5	2-Nitrophenol	66.5	U	66.5	190	ug/Kg
105-67-9	2,4-Dimethylphenol	74.0	U	74.0	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	35.2	U	35.2	190	ug/Kg
120-83-2	2,4-Dichlorophenol	32.3	U	32.3	190	ug/Kg
91-20-3	Naphthalene	25.9	U	25.9	190	ug/Kg
106-47-8	4-Chloroaniline	40.4	U	40.4	190	ug/Kg
87-68-3	Hexachlorobutadiene	28.9	U	28.9	190	ug/Kg
105-60-2	Caprolactam	59.5	U	59.5	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	32.8	U	32.8	190	ug/Kg
91-57-6	2-Methylnaphthalene	29.2	U	29.2	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	130	U	130	380	ug/Kg
88-06-2	2,4,6-Trichlorophenol	22.6	U	22.6	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	33.2	U	33.2	190	ug/Kg
92-52-4	1,1-Biphenyl	24.9	U	24.9	190	ug/Kg
91-58-7	2-Chloronaphthalene	25.7	U	25.7	190	ug/Kg
88-74-4	2-Nitroaniline	54.9	U	54.9	190	ug/Kg
131-11-3	Dimethylphthalate	31.0	U	31.0	190	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-92	SDG No.:	Q2514
Lab Sample ID:	Q2514-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	87.4
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143037.D	1	07/07/25 09:00	07/08/25 17:07	PB168737

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	33.0	U	33.0	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	38.4	U	38.4	190	ug/Kg
99-09-2	3-Nitroaniline	52.5	U	52.5	190	ug/Kg
83-32-9	Acenaphthene	24.3	U	24.3	190	ug/Kg
51-28-5	2,4-Dinitrophenol	260	U	260	380	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	380	ug/Kg
132-64-9	Dibenzofuran	25.9	U	25.9	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	57.2	U	57.2	190	ug/Kg
84-66-2	Diethylphthalate	32.3	U	32.3	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	30.5	U	30.5	190	ug/Kg
86-73-7	Fluorene	28.9	U	28.9	190	ug/Kg
100-01-6	4-Nitroaniline	73.3	U	73.3	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	380	ug/Kg
86-30-6	n-Nitrosodiphenylamine	37.6	U	37.6	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	31.8	U	31.8	190	ug/Kg
118-74-1	Hexachlorobenzene	28.9	U	28.9	190	ug/Kg
1912-24-9	Atrazine	38.8	U	38.8	190	ug/Kg
87-86-5	Pentachlorophenol	58.6	U	58.6	380	ug/Kg
85-01-8	Phenanthrene	23.9	U	23.9	190	ug/Kg
120-12-7	Anthracene	38.0	U	38.0	190	ug/Kg
86-74-8	Carbazole	35.6	U	35.6	190	ug/Kg
84-74-2	Di-n-butylphthalate	54.7	U	54.7	190	ug/Kg
206-44-0	Fluoranthene	34.3	U	34.3	190	ug/Kg
129-00-0	Pyrene	41.1	U	41.1	190	ug/Kg
85-68-7	Butylbenzylphthalate	81.6	U	81.6	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	41.9	U	41.9	380	ug/Kg
56-55-3	Benzo(a)anthracene	26.3	U	26.3	190	ug/Kg
218-01-9	Chrysene	22.7	U	22.7	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	67.6	U	67.6	190	ug/Kg
117-84-0	Di-n-octyl phthalate	99.1	U	99.1	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	21.7	U	21.7	190	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-92	SDG No.:	Q2514
Lab Sample ID:	Q2514-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	87.4
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143037.D	1	07/07/25 09:00	07/08/25 17:07	PB168737

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	25.6	U	25.6	190	ug/Kg
50-32-8	Benzo(a)pyrene	33.7	U	33.7	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	33.2	U	33.2	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	31.3	U	31.3	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	29.4	U	29.4	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	29.2	U	29.2	190	ug/Kg
123-91-1	1,4-Dioxane	51.6	U	51.6	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	31.3	U	31.3	190	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	81.5		18 - 112	54%	SPK: 150
13127-88-3	Phenol-d6	81.9		15 - 107	55%	SPK: 150
4165-60-0	Nitrobenzene-d5	50.8		18 - 107	51%	SPK: 100
321-60-8	2-Fluorobiphenyl	48.3		20 - 109	48%	SPK: 100
118-79-6	2,4,6-Tribromophenol	59.1		10 - 116	39%	SPK: 150
1718-51-0	Terphenyl-d14	37.4		10 - 105	37%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	52200	6.869			
1146-65-2	Naphthalene-d8	201000	8.157			
15067-26-2	Acenaphthene-d10	104000	9.916			
1517-22-2	Phenanthrene-d10	167000	11.404			
1719-03-5	Chrysene-d12	99300	14.051			
1520-96-3	Perylene-d12	124000	15.551			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	220	AB		5.08	ug/Kg
000119-61-9	Benzophenone	260	J		10.6	ug/Kg
	unknown13.716	97.5	J		13.7	ug/Kg
	unknown13.886	99.0	J		13.9	ug/Kg
005694-69-9	Phenyl(2-phenyl-1,3-dioxolan-2-yl)	190	J		13.9	ug/Kg

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Report of Analysis

Client:	CDM Smith			Date Collected:	07/02/25
Project:	South River WM Replacement			Date Received:	07/03/25
Client Sample ID:	TP-92			SDG No.:	Q2514
Lab Sample ID:	Q2514-01			Matrix:	SOIL
Analytical Method:	8270E			% Solid:	87.4
Sample Wt/Vol:	30.05	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOC-TCL BNA -20
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143037.D	1	07/07/25 09:00	07/08/25 17:07	PB168737

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
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
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-93	SDG No.:	Q2514
Lab Sample ID:	Q2514-02	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	87.7
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143015.D	1	07/07/25 09:00	07/07/25 18:21	PB168737

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	180	U	180	380	ug/Kg
108-95-2	Phenol	25.2	U	25.2	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	27.7	U	27.7	190	ug/Kg
95-57-8	2-Chlorophenol	27.8	U	27.8	190	ug/Kg
95-48-7	2-Methylphenol	34.1	U	34.1	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	42.7	U	42.7	190	ug/Kg
98-86-2	Acetophenone	33.6	U	33.6	190	ug/Kg
65794-96-9	3+4-Methylphenols	46.8	U	46.8	380	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	54.0	U	54.0	91.2	ug/Kg
67-72-1	Hexachloroethane	20.1	U	20.1	190	ug/Kg
98-95-3	Nitrobenzene	20.9	U	20.9	190	ug/Kg
78-59-1	Isophorone	37.4	U	37.4	190	ug/Kg
88-75-5	2-Nitrophenol	66.3	U	66.3	190	ug/Kg
105-67-9	2,4-Dimethylphenol	73.9	U	73.9	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	35.1	U	35.1	190	ug/Kg
120-83-2	2,4-Dichlorophenol	32.3	U	32.3	190	ug/Kg
91-20-3	Naphthalene	25.9	U	25.9	190	ug/Kg
106-47-8	4-Chloroaniline	40.4	U	40.4	190	ug/Kg
87-68-3	Hexachlorobutadiene	28.8	U	28.8	190	ug/Kg
105-60-2	Caprolactam	59.4	U	59.4	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	32.7	U	32.7	190	ug/Kg
91-57-6	2-Methylnaphthalene	29.2	U	29.2	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	130	U	130	380	ug/Kg
88-06-2	2,4,6-Trichlorophenol	22.6	U	22.6	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	33.2	U	33.2	190	ug/Kg
92-52-4	1,1-Biphenyl	24.8	U	24.8	190	ug/Kg
91-58-7	2-Chloronaphthalene	25.6	U	25.6	190	ug/Kg
88-74-4	2-Nitroaniline	54.8	U	54.8	190	ug/Kg
131-11-3	Dimethylphthalate	30.9	U	30.9	190	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-93	SDG No.:	Q2514
Lab Sample ID:	Q2514-02	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	87.7
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143015.D	1	07/07/25 09:00	07/07/25 18:21	PB168737

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	32.9	U	32.9	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	38.3	U	38.3	190	ug/Kg
99-09-2	3-Nitroaniline	52.4	U	52.4	190	ug/Kg
83-32-9	Acenaphthene	24.3	U	24.3	190	ug/Kg
51-28-5	2,4-Dinitrophenol	260	U	260	380	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	380	ug/Kg
132-64-9	Dibenzofuran	25.9	U	25.9	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	57.1	U	57.1	190	ug/Kg
84-66-2	Diethylphthalate	32.3	U	32.3	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	30.4	U	30.4	190	ug/Kg
86-73-7	Fluorene	28.8	U	28.8	190	ug/Kg
100-01-6	4-Nitroaniline	73.2	U	73.2	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	380	ug/Kg
86-30-6	n-Nitrosodiphenylamine	37.5	U	37.5	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	31.7	U	31.7	190	ug/Kg
118-74-1	Hexachlorobenzene	28.8	U	28.8	190	ug/Kg
1912-24-9	Atrazine	38.8	U	38.8	190	ug/Kg
87-86-5	Pentachlorophenol	58.5	U	58.5	380	ug/Kg
85-01-8	Phenanthrene	23.8	U	23.8	190	ug/Kg
120-12-7	Anthracene	38.0	U	38.0	190	ug/Kg
86-74-8	Carbazole	35.6	U	35.6	190	ug/Kg
84-74-2	Di-n-butylphthalate	54.6	U	54.6	190	ug/Kg
206-44-0	Fluoranthene	34.2	U	34.2	190	ug/Kg
129-00-0	Pyrene	41.0	U	41.0	190	ug/Kg
85-68-7	Butylbenzylphthalate	81.4	U	81.4	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	41.8	U	41.8	380	ug/Kg
56-55-3	Benzo(a)anthracene	26.2	U	26.2	190	ug/Kg
218-01-9	Chrysene	22.7	U	22.7	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	67.5	U	67.5	190	ug/Kg
117-84-0	Di-n-octyl phthalate	98.9	U	98.9	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	21.7	U	21.7	190	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-93	SDG No.:	Q2514
Lab Sample ID:	Q2514-02	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	87.7
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143015.D	1	07/07/25 09:00	07/07/25 18:21	PB168737

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	25.5	U	25.5	190	ug/Kg
50-32-8	Benzo(a)pyrene	33.6	U	33.6	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	33.2	U	33.2	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	31.2	U	31.2	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	29.3	U	29.3	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	29.2	U	29.2	190	ug/Kg
123-91-1	1,4-Dioxane	51.5	U	51.5	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	31.2	U	31.2	190	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	62.0		18 - 112	41%	SPK: 150
13127-88-3	Phenol-d6	57.7		15 - 107	38%	SPK: 150
4165-60-0	Nitrobenzene-d5	41.0		18 - 107	41%	SPK: 100
321-60-8	2-Fluorobiphenyl	41.4		20 - 109	41%	SPK: 100
118-79-6	2,4,6-Tribromophenol	60.4		10 - 116	40%	SPK: 150
1718-51-0	Terphenyl-d14	28.0		10 - 105	28%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	51000	6.875			
1146-65-2	Naphthalene-d8	169000	8.157			
15067-26-2	Acenaphthene-d10	78800	9.916			
1517-22-2	Phenanthrene-d10	138000	11.404			
1719-03-5	Chrysene-d12	140000	14.051			
1520-96-3	Perylene-d12	107000	15.545			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	170	AB		5.08	ug/Kg
000629-59-4	Tetradecane	80.9	J		9.31	ug/Kg
1000342-70-4	1-Octadecanesulphonyl chloride	100	J		9.63	ug/Kg
000629-50-5	Tridecane	130	J		9.84	ug/Kg
000629-92-5	Nonadecane	160	J		10.3	ug/Kg
000630-01-3	Hexacosane	87.4	J		10.6	ug/Kg
000119-61-9	Benzophenone	180	J		10.6	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-93	SDG No.:	Q2514
Lab Sample ID:	Q2514-02	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	87.7
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143015.D	1	07/07/25 09:00	07/07/25 18:21	PB168737

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000112-95-8	Eicosane	300	J		10.8	ug/Kg
000593-49-7	Heptacosane	140	J		11.3	ug/Kg
001921-70-6	Pentadecane, 2,6,10,14-tetramethyl	79.0	J		11.3	ug/Kg
000629-78-7	Heptadecane	130	J		11.7	ug/Kg
000057-10-3	n-Hexadecanoic acid	150	J		11.9	ug/Kg
000646-31-1	Tetracosane	100	J		12.1	ug/Kg
000630-02-4	Octacosane	81.3	J		12.5	ug/Kg
1010351-87-0	Heptadecyl trifluoroacetate	160	J		13.9	ug/Kg

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
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
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-94	SDG No.:	Q2514
Lab Sample ID:	Q2514-03	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	88.1
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143036.D	1	07/07/25 09:00	07/08/25 16:36	PB168737

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	180	U	180	370	ug/Kg
108-95-2	Phenol	25.1	U	25.1	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	27.6	U	27.6	190	ug/Kg
95-57-8	2-Chlorophenol	27.7	U	27.7	190	ug/Kg
95-48-7	2-Methylphenol	33.9	U	33.9	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	42.5	U	42.5	190	ug/Kg
98-86-2	Acetophenone	33.5	U	33.5	190	ug/Kg
65794-96-9	3+4-Methylphenols	46.6	U	46.6	370	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	53.8	U	53.8	90.7	ug/Kg
67-72-1	Hexachloroethane	20.0	U	20.0	190	ug/Kg
98-95-3	Nitrobenzene	20.8	U	20.8	190	ug/Kg
78-59-1	Isophorone	37.2	U	37.2	190	ug/Kg
88-75-5	2-Nitrophenol	66.0	U	66.0	190	ug/Kg
105-67-9	2,4-Dimethylphenol	73.5	U	73.5	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	34.9	U	34.9	190	ug/Kg
120-83-2	2,4-Dichlorophenol	32.1	U	32.1	190	ug/Kg
91-20-3	Naphthalene	25.7	U	25.7	190	ug/Kg
106-47-8	4-Chloroaniline	40.2	U	40.2	190	ug/Kg
87-68-3	Hexachlorobutadiene	28.7	U	28.7	190	ug/Kg
105-60-2	Caprolactam	59.1	U	59.1	370	ug/Kg
59-50-7	4-Chloro-3-methylphenol	32.6	U	32.6	190	ug/Kg
91-57-6	2-Methylnaphthalene	29.0	U	29.0	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	130	U	130	370	ug/Kg
88-06-2	2,4,6-Trichlorophenol	22.5	U	22.5	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	33.0	U	33.0	190	ug/Kg
92-52-4	1,1-Biphenyl	24.7	U	24.7	190	ug/Kg
91-58-7	2-Chloronaphthalene	25.5	U	25.5	190	ug/Kg
88-74-4	2-Nitroaniline	54.6	U	54.6	190	ug/Kg
131-11-3	Dimethylphthalate	30.7	U	30.7	190	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-94	SDG No.:	Q2514
Lab Sample ID:	Q2514-03	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	88.1
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143036.D	1	07/07/25 09:00	07/08/25 16:36	PB168737

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	32.8	U	32.8	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	38.1	U	38.1	190	ug/Kg
99-09-2	3-Nitroaniline	52.2	U	52.2	190	ug/Kg
83-32-9	Acenaphthene	24.2	U	24.2	190	ug/Kg
51-28-5	2,4-Dinitrophenol	260	U	260	370	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	370	ug/Kg
132-64-9	Dibenzofuran	25.7	U	25.7	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	56.8	U	56.8	190	ug/Kg
84-66-2	Diethylphthalate	32.1	U	32.1	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	30.3	U	30.3	190	ug/Kg
86-73-7	Fluorene	28.7	U	28.7	190	ug/Kg
100-01-6	4-Nitroaniline	72.8	U	72.8	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	370	ug/Kg
86-30-6	n-Nitrosodiphenylamine	37.3	U	37.3	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	31.5	U	31.5	190	ug/Kg
118-74-1	Hexachlorobenzene	28.7	U	28.7	190	ug/Kg
1912-24-9	Atrazine	38.6	U	38.6	190	ug/Kg
87-86-5	Pentachlorophenol	58.2	U	58.2	370	ug/Kg
85-01-8	Phenanthrene	23.7	U	23.7	190	ug/Kg
120-12-7	Anthracene	37.8	U	37.8	190	ug/Kg
86-74-8	Carbazole	35.4	U	35.4	190	ug/Kg
84-74-2	Di-n-butylphthalate	54.3	U	54.3	190	ug/Kg
206-44-0	Fluoranthene	34.0	U	34.0	190	ug/Kg
129-00-0	Pyrene	40.8	U	40.8	190	ug/Kg
85-68-7	Butylbenzylphthalate	81.0	U	81.0	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	41.6	U	41.6	370	ug/Kg
56-55-3	Benzo(a)anthracene	26.1	U	26.1	190	ug/Kg
218-01-9	Chrysene	22.6	U	22.6	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	67.2	U	67.2	190	ug/Kg
117-84-0	Di-n-octyl phthalate	98.5	U	98.5	370	ug/Kg
205-99-2	Benzo(b)fluoranthene	21.6	U	21.6	190	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-94	SDG No.:	Q2514
Lab Sample ID:	Q2514-03	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	88.1
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143036.D	1	07/07/25 09:00	07/08/25 16:36	PB168737

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	25.4	U	25.4	190	ug/Kg
50-32-8	Benzo(a)pyrene	33.5	U	33.5	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	33.0	U	33.0	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	31.1	U	31.1	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	29.2	U	29.2	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	29.0	U	29.0	190	ug/Kg
123-91-1	1,4-Dioxane	51.3	U	51.3	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	31.1	U	31.1	190	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	80.1		18 - 112	53%	SPK: 150
13127-88-3	Phenol-d6	80.7		15 - 107	54%	SPK: 150
4165-60-0	Nitrobenzene-d5	51.9		18 - 107	52%	SPK: 100
321-60-8	2-Fluorobiphenyl	55.1		20 - 109	55%	SPK: 100
118-79-6	2,4,6-Tribromophenol	56.5		10 - 116	38%	SPK: 150
1718-51-0	Terphenyl-d14	37.5		10 - 105	37%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	53300	6.869			
1146-65-2	Naphthalene-d8	200000	8.157			
15067-26-2	Acenaphthene-d10	97900	9.916			
1517-22-2	Phenanthrene-d10	139000	11.404			
1719-03-5	Chrysene-d12	104000	14.051			
1520-96-3	Perylene-d12	131000	15.551			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	230	AB		5.08	ug/Kg
000119-61-9	Benzophenone	230	J		10.6	ug/Kg
015594-90-8	1-Heneicosanol	180	J		13.9	ug/Kg
1000366-97-0	3,6,9,12-Tetraoxatetradecane-1,14-	210	J		13.9	ug/Kg
000506-51-4	n-Tetracosanol-1	210	J		14.5	ug/Kg

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Report of Analysis

Client:	CDM Smith			Date Collected:	07/02/25
Project:	South River WM Replacement			Date Received:	07/03/25
Client Sample ID:	TP-94			SDG No.:	Q2514
Lab Sample ID:	Q2514-03			Matrix:	SOIL
Analytical Method:	8270E			% Solid:	88.1
Sample Wt/Vol:	30.02	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOC-TCL BNA -20
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143036.D	1	07/07/25 09:00	07/08/25 16:36	PB168737

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
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
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-96	SDG No.:	Q2514
Lab Sample ID:	Q2514-04	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	85.8
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143046.D	1	07/07/25 09:00	07/08/25 21:42	PB168737

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	180	U	180	380	ug/Kg
108-95-2	Phenol	25.7	U	25.7	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	28.3	U	28.3	200	ug/Kg
95-57-8	2-Chlorophenol	28.4	U	28.4	200	ug/Kg
95-48-7	2-Methylphenol	34.8	U	34.8	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	43.6	U	43.6	200	ug/Kg
98-86-2	Acetophenone	34.3	U	34.3	200	ug/Kg
65794-96-9	3+4-Methylphenols	47.8	U	47.8	380	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	55.2	U	55.2	93.1	ug/Kg
67-72-1	Hexachloroethane	20.5	U	20.5	200	ug/Kg
98-95-3	Nitrobenzene	21.3	U	21.3	200	ug/Kg
78-59-1	Isophorone	38.2	U	38.2	200	ug/Kg
88-75-5	2-Nitrophenol	67.7	U	67.7	200	ug/Kg
105-67-9	2,4-Dimethylphenol	75.4	U	75.4	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	35.8	U	35.8	200	ug/Kg
120-83-2	2,4-Dichlorophenol	32.9	U	32.9	200	ug/Kg
91-20-3	Naphthalene	26.4	U	26.4	200	ug/Kg
106-47-8	4-Chloroaniline	41.2	U	41.2	200	ug/Kg
87-68-3	Hexachlorobutadiene	29.4	U	29.4	200	ug/Kg
105-60-2	Caprolactam	60.6	U	60.6	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	33.4	U	33.4	200	ug/Kg
91-57-6	2-Methylnaphthalene	29.8	U	29.8	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	140	U	140	380	ug/Kg
88-06-2	2,4,6-Trichlorophenol	23.0	U	23.0	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	33.9	U	33.9	200	ug/Kg
92-52-4	1,1-Biphenyl	25.4	U	25.4	200	ug/Kg
91-58-7	2-Chloronaphthalene	26.2	U	26.2	200	ug/Kg
88-74-4	2-Nitroaniline	56.0	U	56.0	200	ug/Kg
131-11-3	Dimethylphthalate	31.5	U	31.5	200	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-96	SDG No.:	Q2514
Lab Sample ID:	Q2514-04	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	85.8
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143046.D	1	07/07/25 09:00	07/08/25 21:42	PB168737

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	33.6	U	33.6	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	39.1	U	39.1	200	ug/Kg
99-09-2	3-Nitroaniline	53.5	U	53.5	200	ug/Kg
83-32-9	Acenaphthene	24.8	U	24.8	200	ug/Kg
51-28-5	2,4-Dinitrophenol	270	U	270	380	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	380	ug/Kg
132-64-9	Dibenzofuran	26.4	U	26.4	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	58.3	U	58.3	200	ug/Kg
84-66-2	Diethylphthalate	32.9	U	32.9	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	31.1	U	31.1	200	ug/Kg
86-73-7	Fluorene	29.4	U	29.4	200	ug/Kg
100-01-6	4-Nitroaniline	74.7	U	74.7	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	380	ug/Kg
86-30-6	n-Nitrosodiphenylamine	38.3	U	38.3	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	32.4	U	32.4	200	ug/Kg
118-74-1	Hexachlorobenzene	29.4	U	29.4	200	ug/Kg
1912-24-9	Atrazine	39.6	U	39.6	200	ug/Kg
87-86-5	Pentachlorophenol	59.7	U	59.7	380	ug/Kg
85-01-8	Phenanthrene	79.2	J	24.3	200	ug/Kg
120-12-7	Anthracene	38.8	U	38.8	200	ug/Kg
86-74-8	Carbazole	36.3	U	36.3	200	ug/Kg
84-74-2	Di-n-butylphthalate	55.8	U	55.8	200	ug/Kg
206-44-0	Fluoranthene	420		34.9	200	ug/Kg
129-00-0	Pyrene	200		41.9	200	ug/Kg
85-68-7	Butylbenzylphthalate	83.1	U	83.1	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	42.7	U	42.7	380	ug/Kg
56-55-3	Benzo(a)anthracene	180	J	26.8	200	ug/Kg
218-01-9	Chrysene	200		23.2	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	68.9	U	68.9	200	ug/Kg
117-84-0	Di-n-octyl phthalate	100	U	100	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	310		22.1	200	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-96	SDG No.:	Q2514
Lab Sample ID:	Q2514-04	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	85.8
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143046.D	1	07/07/25 09:00	07/08/25 21:42	PB168737

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	140	J	26.1	200	ug/Kg
50-32-8	Benzo(a)pyrene	210		34.3	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	79.3	J	33.9	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	31.9	U	31.9	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	96.5	J	29.9	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	29.8	U	29.8	200	ug/Kg
123-91-1	1,4-Dioxane	52.6	U	52.6	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	31.9	U	31.9	200	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	62.3		18 - 112	42%	SPK: 150
13127-88-3	Phenol-d6	61.0		15 - 107	41%	SPK: 150
4165-60-0	Nitrobenzene-d5	40.3		18 - 107	40%	SPK: 100
321-60-8	2-Fluorobiphenyl	42.7		20 - 109	43%	SPK: 100
118-79-6	2,4,6-Tribromophenol	55.0		10 - 116	37%	SPK: 150
1718-51-0	Terphenyl-d14	26.4		10 - 105	26%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	51500	6.869			
1146-65-2	Naphthalene-d8	179000	8.157			
15067-26-2	Acenaphthene-d10	77200	9.916			
1517-22-2	Phenanthrene-d10	120000	11.404			
1719-03-5	Chrysene-d12	136000	14.051			
1520-96-3	Perylene-d12	113000	15.545			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	170	AB		5.08	ug/Kg
000119-61-9	Benzophenone	170	J		10.6	ug/Kg
	unknown13.904	140	J		13.9	ug/Kg
000192-97-2	Benzo[e]pyrene	160	J		15.4	ug/Kg

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Report of Analysis

Client:	CDM Smith			Date Collected:	07/02/25
Project:	South River WM Replacement			Date Received:	07/03/25
Client Sample ID:	TP-96			SDG No.:	Q2514
Lab Sample ID:	Q2514-04			Matrix:	SOIL
Analytical Method:	8270E			% Solid:	85.8
Sample Wt/Vol:	30.04	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOC-TCL BNA -20
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143046.D	1	07/07/25 09:00	07/08/25 21:42	PB168737

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
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
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-97	SDG No.:	Q2514
Lab Sample ID:	Q2514-05	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	85
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143038.D	1	07/07/25 09:00	07/08/25 17:37	PB168737

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	180	U	180	390	ug/Kg
108-95-2	Phenol	26.0	U	26.0	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	28.5	U	28.5	200	ug/Kg
95-57-8	2-Chlorophenol	28.7	U	28.7	200	ug/Kg
95-48-7	2-Methylphenol	35.1	U	35.1	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	44.0	U	44.0	200	ug/Kg
98-86-2	Acetophenone	34.6	U	34.6	200	ug/Kg
65794-96-9	3+4-Methylphenols	48.3	U	48.3	390	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	55.7	U	55.7	94.0	ug/Kg
67-72-1	Hexachloroethane	20.7	U	20.7	200	ug/Kg
98-95-3	Nitrobenzene	21.5	U	21.5	200	ug/Kg
78-59-1	Isophorone	38.5	U	38.5	200	ug/Kg
88-75-5	2-Nitrophenol	68.4	U	68.4	200	ug/Kg
105-67-9	2,4-Dimethylphenol	76.1	U	76.1	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	36.2	U	36.2	200	ug/Kg
120-83-2	2,4-Dichlorophenol	33.2	U	33.2	200	ug/Kg
91-20-3	Naphthalene	26.7	U	26.7	200	ug/Kg
106-47-8	4-Chloroaniline	41.6	U	41.6	200	ug/Kg
87-68-3	Hexachlorobutadiene	29.7	U	29.7	200	ug/Kg
105-60-2	Caprolactam	61.2	U	61.2	390	ug/Kg
59-50-7	4-Chloro-3-methylphenol	33.7	U	33.7	200	ug/Kg
91-57-6	2-Methylnaphthalene	30.1	U	30.1	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	140	U	140	390	ug/Kg
88-06-2	2,4,6-Trichlorophenol	23.3	U	23.3	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	34.2	U	34.2	200	ug/Kg
92-52-4	1,1-Biphenyl	25.6	U	25.6	200	ug/Kg
91-58-7	2-Chloronaphthalene	26.4	U	26.4	200	ug/Kg
88-74-4	2-Nitroaniline	56.5	U	56.5	200	ug/Kg
131-11-3	Dimethylphthalate	31.8	U	31.8	200	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-97	SDG No.:	Q2514
Lab Sample ID:	Q2514-05	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	85
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143038.D	1	07/07/25 09:00	07/08/25 17:37	PB168737

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	33.9	U	33.9	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	39.5	U	39.5	200	ug/Kg
99-09-2	3-Nitroaniline	54.0	U	54.0	200	ug/Kg
83-32-9	Acenaphthene	25.0	U	25.0	200	ug/Kg
51-28-5	2,4-Dinitrophenol	270	U	270	390	ug/Kg
100-02-7	4-Nitrophenol	130	U	130	390	ug/Kg
132-64-9	Dibenzofuran	26.7	U	26.7	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	58.8	U	58.8	200	ug/Kg
84-66-2	Diethylphthalate	33.2	U	33.2	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	31.4	U	31.4	200	ug/Kg
86-73-7	Fluorene	29.7	U	29.7	200	ug/Kg
100-01-6	4-Nitroaniline	75.4	U	75.4	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	390	ug/Kg
86-30-6	n-Nitrosodiphenylamine	38.6	U	38.6	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	32.7	U	32.7	200	ug/Kg
118-74-1	Hexachlorobenzene	29.7	U	29.7	200	ug/Kg
1912-24-9	Atrazine	39.9	U	39.9	200	ug/Kg
87-86-5	Pentachlorophenol	60.3	U	60.3	390	ug/Kg
85-01-8	Phenanthrene	24.5	U	24.5	200	ug/Kg
120-12-7	Anthracene	39.1	U	39.1	200	ug/Kg
86-74-8	Carbazole	36.6	U	36.6	200	ug/Kg
84-74-2	Di-n-butylphthalate	56.3	U	56.3	200	ug/Kg
206-44-0	Fluoranthene	92.4	J	35.2	200	ug/Kg
129-00-0	Pyrene	86.5	J	42.3	200	ug/Kg
85-68-7	Butylbenzylphthalate	83.9	U	83.9	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	43.1	U	43.1	390	ug/Kg
56-55-3	Benzo(a)anthracene	27.0	U	27.0	200	ug/Kg
218-01-9	Chrysene	80.8	J	23.4	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	69.5	U	69.5	200	ug/Kg
117-84-0	Di-n-octyl phthalate	100	U	100	390	ug/Kg
205-99-2	Benzo(b)fluoranthene	120	J	22.3	200	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-97	SDG No.:	Q2514
Lab Sample ID:	Q2514-05	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	85
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143038.D	1	07/07/25 09:00	07/08/25 17:37	PB168737

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	26.3	U	26.3	200	ug/Kg
50-32-8	Benzo(a)pyrene	87.5	J	34.6	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	34.2	U	34.2	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	32.2	U	32.2	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	30.2	U	30.2	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	30.1	U	30.1	200	ug/Kg
123-91-1	1,4-Dioxane	53.1	U	53.1	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	32.2	U	32.2	200	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	74.0		18 - 112	49%	SPK: 150
13127-88-3	Phenol-d6	75.6		15 - 107	50%	SPK: 150
4165-60-0	Nitrobenzene-d5	46.2		18 - 107	46%	SPK: 100
321-60-8	2-Fluorobiphenyl	44.0		20 - 109	44%	SPK: 100
118-79-6	2,4,6-Tribromophenol	55.6		10 - 116	37%	SPK: 150
1718-51-0	Terphenyl-d14	38.4		10 - 105	38%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	53500	6.869			
1146-65-2	Naphthalene-d8	204000	8.157			
15067-26-2	Acenaphthene-d10	108000	9.916			
1517-22-2	Phenanthrene-d10	177000	11.404			
1719-03-5	Chrysene-d12	102000	14.051			
1520-96-3	Perylene-d12	129000	15.545			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	210	AB		5.08	ug/Kg
000119-61-9	Benzophenone	230	J		10.6	ug/Kg
1000366-99-4	2,2-(Ethane-1,2-diylbis(oxy))bis(	150	J		13.9	ug/Kg

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Report of Analysis

Client:	CDM Smith			Date Collected:	07/02/25
Project:	South River WM Replacement			Date Received:	07/03/25
Client Sample ID:	TP-97			SDG No.:	Q2514
Lab Sample ID:	Q2514-05			Matrix:	SOIL
Analytical Method:	8270E			% Solid:	85
Sample Wt/Vol:	30.05	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOC-TCL BNA -20
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143038.D	1	07/07/25 09:00	07/08/25 17:37	PB168737

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
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
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-103	SDG No.:	Q2514
Lab Sample ID:	Q2514-06	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.5
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143044.D	1	07/07/25 09:00	07/08/25 20:42	PB168737

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	180	U	180	380	ug/Kg
108-95-2	Phenol	25.5	U	25.5	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	28.1	U	28.1	200	ug/Kg
95-57-8	2-Chlorophenol	28.2	U	28.2	200	ug/Kg
95-48-7	2-Methylphenol	34.5	U	34.5	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	43.3	U	43.3	200	ug/Kg
98-86-2	Acetophenone	34.1	U	34.1	200	ug/Kg
65794-96-9	3+4-Methylphenols	47.5	U	47.5	380	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	54.7	U	54.7	92.4	ug/Kg
67-72-1	Hexachloroethane	20.3	U	20.3	200	ug/Kg
98-95-3	Nitrobenzene	21.1	U	21.1	200	ug/Kg
78-59-1	Isophorone	37.9	U	37.9	200	ug/Kg
88-75-5	2-Nitrophenol	67.2	U	67.2	200	ug/Kg
105-67-9	2,4-Dimethylphenol	74.8	U	74.8	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	35.6	U	35.6	200	ug/Kg
120-83-2	2,4-Dichlorophenol	32.7	U	32.7	200	ug/Kg
91-20-3	Naphthalene	26.2	U	26.2	200	ug/Kg
106-47-8	4-Chloroaniline	40.9	U	40.9	200	ug/Kg
87-68-3	Hexachlorobutadiene	29.2	U	29.2	200	ug/Kg
105-60-2	Caprolactam	60.2	U	60.2	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	33.1	U	33.1	200	ug/Kg
91-57-6	2-Methylnaphthalene	29.6	U	29.6	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	130	U	130	380	ug/Kg
88-06-2	2,4,6-Trichlorophenol	22.9	U	22.9	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	33.6	U	33.6	200	ug/Kg
92-52-4	1,1-Biphenyl	25.2	U	25.2	200	ug/Kg
91-58-7	2-Chloronaphthalene	26.0	U	26.0	200	ug/Kg
88-74-4	2-Nitroaniline	55.6	U	55.6	200	ug/Kg
131-11-3	Dimethylphthalate	31.3	U	31.3	200	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-103	SDG No.:	Q2514
Lab Sample ID:	Q2514-06	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.5
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143044.D	1	07/07/25 09:00	07/08/25 20:42	PB168737

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	33.4	U	33.4	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	38.8	U	38.8	200	ug/Kg
99-09-2	3-Nitroaniline	53.1	U	53.1	200	ug/Kg
83-32-9	Acenaphthene	24.6	U	24.6	200	ug/Kg
51-28-5	2,4-Dinitrophenol	260	U	260	380	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	380	ug/Kg
132-64-9	Dibenzofuran	26.2	U	26.2	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	57.9	U	57.9	200	ug/Kg
84-66-2	Diethylphthalate	32.7	U	32.7	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	30.8	U	30.8	200	ug/Kg
86-73-7	Fluorene	29.2	U	29.2	200	ug/Kg
100-01-6	4-Nitroaniline	74.1	U	74.1	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	380	ug/Kg
86-30-6	n-Nitrosodiphenylamine	38.0	U	38.0	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	32.1	U	32.1	200	ug/Kg
118-74-1	Hexachlorobenzene	29.2	U	29.2	200	ug/Kg
1912-24-9	Atrazine	39.3	U	39.3	200	ug/Kg
87-86-5	Pentachlorophenol	59.2	U	59.2	380	ug/Kg
85-01-8	Phenanthrene	24.1	U	24.1	200	ug/Kg
120-12-7	Anthracene	38.5	U	38.5	200	ug/Kg
86-74-8	Carbazole	36.0	U	36.0	200	ug/Kg
84-74-2	Di-n-butylphthalate	55.3	U	55.3	200	ug/Kg
206-44-0	Fluoranthene	34.6	U	34.6	200	ug/Kg
129-00-0	Pyrene	41.6	U	41.6	200	ug/Kg
85-68-7	Butylbenzylphthalate	82.5	U	82.5	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	42.4	U	42.4	380	ug/Kg
56-55-3	Benzo(a)anthracene	26.6	U	26.6	200	ug/Kg
218-01-9	Chrysene	23.0	U	23.0	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	68.4	U	68.4	200	ug/Kg
117-84-0	Di-n-octyl phthalate	100	U	100	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	21.9	U	21.9	200	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-103	SDG No.:	Q2514
Lab Sample ID:	Q2514-06	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.5
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143044.D	1	07/07/25 09:00	07/08/25 20:42	PB168737

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	25.9	U	25.9	200	ug/Kg
50-32-8	Benzo(a)pyrene	34.1	U	34.1	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	33.6	U	33.6	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	31.6	U	31.6	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	29.7	U	29.7	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	29.6	U	29.6	200	ug/Kg
123-91-1	1,4-Dioxane	52.2	U	52.2	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	31.6	U	31.6	200	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	66.8		18 - 112	45%	SPK: 150
13127-88-3	Phenol-d6	67.4		15 - 107	45%	SPK: 150
4165-60-0	Nitrobenzene-d5	44.0		18 - 107	44%	SPK: 100
321-60-8	2-Fluorobiphenyl	46.5		20 - 109	46%	SPK: 100
118-79-6	2,4,6-Tribromophenol	47.8		10 - 116	32%	SPK: 150
1718-51-0	Terphenyl-d14	28.7		10 - 105	29%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	56400	6.869			
1146-65-2	Naphthalene-d8	203000	8.157			
15067-26-2	Acenaphthene-d10	92000	9.91			
1517-22-2	Phenanthrene-d10	127000	11.404			
1719-03-5	Chrysene-d12	130000	14.051			
1520-96-3	Perylene-d12	143000	15.545			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	220	AB		5.08	ug/Kg
000119-61-9	Benzophenone	170	J		10.6	ug/Kg
000120-55-8	Diethylene glycol dibenzoate	120	J		13.9	ug/Kg

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Report of Analysis

Client:	CDM Smith			Date Collected:	07/02/25
Project:	South River WM Replacement			Date Received:	07/03/25
Client Sample ID:	TP-103			SDG No.:	Q2514
Lab Sample ID:	Q2514-06			Matrix:	SOIL
Analytical Method:	8270E			% Solid:	86.5
Sample Wt/Vol:	30.03	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOC-TCL BNA -20
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143044.D	1	07/07/25 09:00	07/08/25 20:42	PB168737

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
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
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/03/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-36	SDG No.:	Q2514
Lab Sample ID:	Q2514-07	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	90.3
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143030.D	1	07/07/25 09:00	07/08/25 13:31	PB168737

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	170	U	170	360	ug/Kg
108-95-2	Phenol	24.4	U	24.4	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	26.9	U	26.9	190	ug/Kg
95-57-8	2-Chlorophenol	27.0	U	27.0	190	ug/Kg
95-48-7	2-Methylphenol	33.0	U	33.0	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	41.4	U	41.4	190	ug/Kg
98-86-2	Acetophenone	32.6	U	32.6	190	ug/Kg
65794-96-9	3+4-Methylphenols	45.4	U	45.4	360	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	52.4	U	52.4	88.4	ug/Kg
67-72-1	Hexachloroethane	19.5	U	19.5	190	ug/Kg
98-95-3	Nitrobenzene	20.2	U	20.2	190	ug/Kg
78-59-1	Isophorone	36.3	U	36.3	190	ug/Kg
88-75-5	2-Nitrophenol	64.3	U	64.3	190	ug/Kg
105-67-9	2,4-Dimethylphenol	71.6	U	71.6	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	34.0	U	34.0	190	ug/Kg
120-83-2	2,4-Dichlorophenol	31.3	U	31.3	190	ug/Kg
91-20-3	Naphthalene	25.1	U	25.1	190	ug/Kg
106-47-8	4-Chloroaniline	39.1	U	39.1	190	ug/Kg
87-68-3	Hexachlorobutadiene	28.0	U	28.0	190	ug/Kg
105-60-2	Caprolactam	57.6	U	57.6	360	ug/Kg
59-50-7	4-Chloro-3-methylphenol	31.7	U	31.7	190	ug/Kg
91-57-6	2-Methylnaphthalene	28.3	U	28.3	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	130	U	130	360	ug/Kg
88-06-2	2,4,6-Trichlorophenol	21.9	U	21.9	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	32.2	U	32.2	190	ug/Kg
92-52-4	1,1-Biphenyl	24.1	U	24.1	190	ug/Kg
91-58-7	2-Chloronaphthalene	24.9	U	24.9	190	ug/Kg
88-74-4	2-Nitroaniline	53.2	U	53.2	190	ug/Kg
131-11-3	Dimethylphthalate	30.0	U	30.0	190	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/03/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-36	SDG No.:	Q2514
Lab Sample ID:	Q2514-07	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	90.3
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143030.D	1	07/07/25 09:00	07/08/25 13:31	PB168737

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	31.9	U	31.9	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	37.1	U	37.1	190	ug/Kg
99-09-2	3-Nitroaniline	50.8	U	50.8	190	ug/Kg
83-32-9	Acenaphthene	23.5	U	23.5	190	ug/Kg
51-28-5	2,4-Dinitrophenol	250	U	250	360	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	360	ug/Kg
132-64-9	Dibenzofuran	25.1	U	25.1	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	55.4	U	55.4	190	ug/Kg
84-66-2	Diethylphthalate	31.3	U	31.3	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	29.5	U	29.5	190	ug/Kg
86-73-7	Fluorene	28.0	U	28.0	190	ug/Kg
100-01-6	4-Nitroaniline	71.0	U	71.0	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	110	U	110	360	ug/Kg
86-30-6	n-Nitrosodiphenylamine	36.4	U	36.4	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	30.7	U	30.7	190	ug/Kg
118-74-1	Hexachlorobenzene	28.0	U	28.0	190	ug/Kg
1912-24-9	Atrazine	37.6	U	37.6	190	ug/Kg
87-86-5	Pentachlorophenol	56.7	U	56.7	360	ug/Kg
85-01-8	Phenanthrene	23.1	U	23.1	190	ug/Kg
120-12-7	Anthracene	36.8	U	36.8	190	ug/Kg
86-74-8	Carbazole	34.5	U	34.5	190	ug/Kg
84-74-2	Di-n-butylphthalate	52.9	U	52.9	190	ug/Kg
206-44-0	Fluoranthene	33.2	U	33.2	190	ug/Kg
129-00-0	Pyrene	39.8	U	39.8	190	ug/Kg
85-68-7	Butylbenzylphthalate	78.9	U	78.9	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	40.6	U	40.6	360	ug/Kg
56-55-3	Benzo(a)anthracene	25.4	U	25.4	190	ug/Kg
218-01-9	Chrysene	22.0	U	22.0	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	65.4	U	65.4	190	ug/Kg
117-84-0	Di-n-octyl phthalate	95.9	U	95.9	360	ug/Kg
205-99-2	Benzo(b)fluoranthene	21.0	U	21.0	190	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/03/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-36	SDG No.:	Q2514
Lab Sample ID:	Q2514-07	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	90.3
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143030.D	1	07/07/25 09:00	07/08/25 13:31	PB168737

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	24.8	U	24.8	190	ug/Kg
50-32-8	Benzo(a)pyrene	32.6	U	32.6	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	32.2	U	32.2	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	30.3	U	30.3	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	28.4	U	28.4	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	28.3	U	28.3	190	ug/Kg
123-91-1	1,4-Dioxane	50.0	U	50.0	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	30.3	U	30.3	190	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	78.2		18 - 112	52%	SPK: 150
13127-88-3	Phenol-d6	79.8		15 - 107	53%	SPK: 150
4165-60-0	Nitrobenzene-d5	50.7		18 - 107	51%	SPK: 100
321-60-8	2-Fluorobiphenyl	52.4		20 - 109	52%	SPK: 100
118-79-6	2,4,6-Tribromophenol	56.2		10 - 116	37%	SPK: 150
1718-51-0	Terphenyl-d14	40.6		10 - 105	41%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	51600	6.875			
1146-65-2	Naphthalene-d8	192000	8.157			
15067-26-2	Acenaphthene-d10	97400	9.916			
1517-22-2	Phenanthrene-d10	146000	11.404			
1719-03-5	Chrysene-d12	94000	14.057			
1520-96-3	Perylene-d12	120000	15.551			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	200	AB		5.09	ug/Kg
000119-61-9	Benzophenone	270	J		10.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	1400	J		11.9	ug/Kg
000629-94-7	Heneicosane	540	J		12.5	ug/Kg
000057-11-4	Octadecanoic acid	2000	J		12.7	ug/Kg
000593-49-7	Heptacosane	2100	J		13.2	ug/Kg
000630-02-4	Octacosane	4400	J		13.8	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/03/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-36	SDG No.:	Q2514
Lab Sample ID:	Q2514-07	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	90.3
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143030.D	1	07/07/25 09:00	07/08/25 13:31	PB168737

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
036653-82-4	1-Hexadecanol	200	J		13.9	ug/Kg
000112-95-8	Eicosane	6300	J		14.3	ug/Kg
000630-04-6	Hentriacontane	200	JB		14.5	ug/Kg
1000406-04-8	Pentadecafluorooctanoic acid, octa	580	J		14.7	ug/Kg
000646-31-1	Tetracosane	8000	J		14.8	ug/Kg
001928-30-9	Tricosane, 2-methyl-	130	J		15.1	ug/Kg
001560-98-1	Octacosane, 2-methyl-	310	J		15.2	ug/Kg
000630-01-3	Hexacosane	3800	J		15.3	ug/Kg
005303-25-3	Octadecanoic acid, dodecyl ester	630	J		15.7	ug/Kg
000629-99-2	Pentacosane	2400	J		15.9	ug/Kg
007098-22-8	Tetratetracontane	140	J		16.0	ug/Kg
055429-84-0	Tetracosane, 11-decyl-	980	J		16.5	ug/Kg
	unknown17.256	330	J		17.3	ug/Kg

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
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
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/03/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-78	SDG No.:	Q2514
Lab Sample ID:	Q2514-08	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.3
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143031.D	1	07/07/25 09:00	07/08/25 14:02	PB168737

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	180	U	180	380	ug/Kg
108-95-2	Phenol	25.6	U	25.6	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	28.1	U	28.1	200	ug/Kg
95-57-8	2-Chlorophenol	28.2	U	28.2	200	ug/Kg
95-48-7	2-Methylphenol	34.6	U	34.6	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	43.4	U	43.4	200	ug/Kg
98-86-2	Acetophenone	34.1	U	34.1	200	ug/Kg
65794-96-9	3+4-Methylphenols	47.6	U	47.6	380	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	54.9	U	54.9	92.6	ug/Kg
67-72-1	Hexachloroethane	20.4	U	20.4	200	ug/Kg
98-95-3	Nitrobenzene	21.2	U	21.2	200	ug/Kg
78-59-1	Isophorone	38.0	U	38.0	200	ug/Kg
88-75-5	2-Nitrophenol	67.3	U	67.3	200	ug/Kg
105-67-9	2,4-Dimethylphenol	75.0	U	75.0	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	35.6	U	35.6	200	ug/Kg
120-83-2	2,4-Dichlorophenol	32.7	U	32.7	200	ug/Kg
91-20-3	Naphthalene	26.3	U	26.3	200	ug/Kg
106-47-8	4-Chloroaniline	41.0	U	41.0	200	ug/Kg
87-68-3	Hexachlorobutadiene	29.3	U	29.3	200	ug/Kg
105-60-2	Caprolactam	60.3	U	60.3	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	33.2	U	33.2	200	ug/Kg
91-57-6	2-Methylnaphthalene	29.6	U	29.6	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	130	U	130	380	ug/Kg
88-06-2	2,4,6-Trichlorophenol	22.9	U	22.9	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	33.7	U	33.7	200	ug/Kg
92-52-4	1,1-Biphenyl	25.2	U	25.2	200	ug/Kg
91-58-7	2-Chloronaphthalene	26.0	U	26.0	200	ug/Kg
88-74-4	2-Nitroaniline	55.7	U	55.7	200	ug/Kg
131-11-3	Dimethylphthalate	31.4	U	31.4	200	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/03/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-78	SDG No.:	Q2514
Lab Sample ID:	Q2514-08	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.3
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143031.D	1	07/07/25 09:00	07/08/25 14:02	PB168737

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	33.4	U	33.4	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	38.9	U	38.9	200	ug/Kg
99-09-2	3-Nitroaniline	53.2	U	53.2	200	ug/Kg
83-32-9	Acenaphthene	24.6	U	24.6	200	ug/Kg
51-28-5	2,4-Dinitrophenol	270	U	270	380	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	380	ug/Kg
132-64-9	Dibenzofuran	26.3	U	26.3	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	58.0	U	58.0	200	ug/Kg
84-66-2	Diethylphthalate	32.7	U	32.7	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	30.9	U	30.9	200	ug/Kg
86-73-7	Fluorene	29.3	U	29.3	200	ug/Kg
100-01-6	4-Nitroaniline	74.3	U	74.3	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	380	ug/Kg
86-30-6	n-Nitrosodiphenylamine	38.1	U	38.1	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	32.2	U	32.2	200	ug/Kg
118-74-1	Hexachlorobenzene	29.3	U	29.3	200	ug/Kg
1912-24-9	Atrazine	39.3	U	39.3	200	ug/Kg
87-86-5	Pentachlorophenol	59.4	U	59.4	380	ug/Kg
85-01-8	Phenanthrene	24.2	U	24.2	200	ug/Kg
120-12-7	Anthracene	38.5	U	38.5	200	ug/Kg
86-74-8	Carbazole	36.1	U	36.1	200	ug/Kg
84-74-2	Di-n-butylphthalate	55.4	U	55.4	200	ug/Kg
206-44-0	Fluoranthene	34.7	U	34.7	200	ug/Kg
129-00-0	Pyrene	41.7	U	41.7	200	ug/Kg
85-68-7	Butylbenzylphthalate	82.6	U	82.6	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	42.5	U	42.5	380	ug/Kg
56-55-3	Benzo(a)anthracene	26.6	U	26.6	200	ug/Kg
218-01-9	Chrysene	23.0	U	23.0	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	68.5	U	68.5	200	ug/Kg
117-84-0	Di-n-octyl phthalate	100	U	100	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	22.0	U	22.0	200	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/03/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-78	SDG No.:	Q2514
Lab Sample ID:	Q2514-08	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.3
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143031.D	1	07/07/25 09:00	07/08/25 14:02	PB168737

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	25.9	U	25.9	200	ug/Kg
50-32-8	Benzo(a)pyrene	34.1	U	34.1	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	33.7	U	33.7	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	31.7	U	31.7	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	29.7	U	29.7	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	29.6	U	29.6	200	ug/Kg
123-91-1	1,4-Dioxane	52.3	U	52.3	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	31.7	U	31.7	200	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	93.0		18 - 112	62%	SPK: 150
13127-88-3	Phenol-d6	95.8		15 - 107	64%	SPK: 150
4165-60-0	Nitrobenzene-d5	61.0		18 - 107	61%	SPK: 100
321-60-8	2-Fluorobiphenyl	60.2		20 - 109	60%	SPK: 100
118-79-6	2,4,6-Tribromophenol	67.5		10 - 116	45%	SPK: 150
1718-51-0	Terphenyl-d14	46.7		10 - 105	47%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	50600	6.875			
1146-65-2	Naphthalene-d8	193000	8.157			
15067-26-2	Acenaphthene-d10	95900	9.916			
1517-22-2	Phenanthrene-d10	148000	11.404			
1719-03-5	Chrysene-d12	94400	14.057			
1520-96-3	Perylene-d12	118000	15.551			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	250	AB		5.09	ug/Kg
000119-61-9	Benzophenone	320	J		10.6	ug/Kg
000057-11-4	Octadecanoic acid	120	J		12.7	ug/Kg
079392-43-1	Octadecyl trifluoroacetate	150	J		13.9	ug/Kg
1000507-07-6	Phenyl(2-phenyl-1,3-dioxolan-2-yl)	180	J		13.9	ug/Kg
000630-02-4	Octacosane	94.9	J		15.2	ug/Kg
1000406-32-4	Dotriacontane, 1-iodo-	110	J		16.0	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/03/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-78	SDG No.:	Q2514
Lab Sample ID:	Q2514-08	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.3
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143031.D	1	07/07/25 09:00	07/08/25 14:02	PB168737

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
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
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/03/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-81	SDG No.:	Q2514
Lab Sample ID:	Q2514-09	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.3
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143035.D	1	07/07/25 09:00	07/08/25 16:05	PB168737

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	180	U	180	380	ug/Kg
108-95-2	Phenol	25.5	U	25.5	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	28.1	U	28.1	200	ug/Kg
95-57-8	2-Chlorophenol	28.2	U	28.2	200	ug/Kg
95-48-7	2-Methylphenol	34.6	U	34.6	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	43.4	U	43.4	200	ug/Kg
98-86-2	Acetophenone	34.1	U	34.1	200	ug/Kg
65794-96-9	3+4-Methylphenols	47.5	U	47.5	380	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	54.8	U	54.8	92.5	ug/Kg
67-72-1	Hexachloroethane	20.3	U	20.3	200	ug/Kg
98-95-3	Nitrobenzene	21.2	U	21.2	200	ug/Kg
78-59-1	Isophorone	37.9	U	37.9	200	ug/Kg
88-75-5	2-Nitrophenol	67.3	U	67.3	200	ug/Kg
105-67-9	2,4-Dimethylphenol	74.9	U	74.9	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	35.6	U	35.6	200	ug/Kg
120-83-2	2,4-Dichlorophenol	32.7	U	32.7	200	ug/Kg
91-20-3	Naphthalene	26.2	U	26.2	200	ug/Kg
106-47-8	4-Chloroaniline	40.9	U	40.9	200	ug/Kg
87-68-3	Hexachlorobutadiene	29.2	U	29.2	200	ug/Kg
105-60-2	Caprolactam	60.2	U	60.2	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	33.2	U	33.2	200	ug/Kg
91-57-6	2-Methylnaphthalene	29.6	U	29.6	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	130	U	130	380	ug/Kg
88-06-2	2,4,6-Trichlorophenol	22.9	U	22.9	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	33.6	U	33.6	200	ug/Kg
92-52-4	1,1-Biphenyl	25.2	U	25.2	200	ug/Kg
91-58-7	2-Chloronaphthalene	26.0	U	26.0	200	ug/Kg
88-74-4	2-Nitroaniline	55.6	U	55.6	200	ug/Kg
131-11-3	Dimethylphthalate	31.3	U	31.3	200	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/03/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-81	SDG No.:	Q2514
Lab Sample ID:	Q2514-09	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.3
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143035.D	1	07/07/25 09:00	07/08/25 16:05	PB168737

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	33.4	U	33.4	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	38.8	U	38.8	200	ug/Kg
99-09-2	3-Nitroaniline	53.2	U	53.2	200	ug/Kg
83-32-9	Acenaphthene	24.6	U	24.6	200	ug/Kg
51-28-5	2,4-Dinitrophenol	260	U	260	380	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	380	ug/Kg
132-64-9	Dibenzofuran	26.2	U	26.2	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	57.9	U	57.9	200	ug/Kg
84-66-2	Diethylphthalate	32.7	U	32.7	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	30.9	U	30.9	200	ug/Kg
86-73-7	Fluorene	29.2	U	29.2	200	ug/Kg
100-01-6	4-Nitroaniline	74.2	U	74.2	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	380	ug/Kg
86-30-6	n-Nitrosodiphenylamine	38.0	U	38.0	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	32.1	U	32.1	200	ug/Kg
118-74-1	Hexachlorobenzene	29.2	U	29.2	200	ug/Kg
1912-24-9	Atrazine	39.3	U	39.3	200	ug/Kg
87-86-5	Pentachlorophenol	59.3	U	59.3	380	ug/Kg
85-01-8	Phenanthrene	24.2	U	24.2	200	ug/Kg
120-12-7	Anthracene	38.5	U	38.5	200	ug/Kg
86-74-8	Carbazole	36.1	U	36.1	200	ug/Kg
84-74-2	Di-n-butylphthalate	55.4	U	55.4	200	ug/Kg
206-44-0	Fluoranthene	34.7	U	34.7	200	ug/Kg
129-00-0	Pyrene	41.6	U	41.6	200	ug/Kg
85-68-7	Butylbenzylphthalate	82.5	U	82.5	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	42.4	U	42.4	380	ug/Kg
56-55-3	Benzo(a)anthracene	26.6	U	26.6	200	ug/Kg
218-01-9	Chrysene	23.0	U	23.0	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	68.4	U	68.4	200	ug/Kg
117-84-0	Di-n-octyl phthalate	100	U	100	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	22.0	U	22.0	200	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/03/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-81	SDG No.:	Q2514
Lab Sample ID:	Q2514-09	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.3
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143035.D	1	07/07/25 09:00	07/08/25 16:05	PB168737

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	25.9	U	25.9	200	ug/Kg
50-32-8	Benzo(a)pyrene	34.1	U	34.1	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	33.6	U	33.6	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	31.7	U	31.7	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	29.7	U	29.7	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	29.6	U	29.6	200	ug/Kg
123-91-1	1,4-Dioxane	52.3	U	52.3	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	31.7	U	31.7	200	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	78.9		18 - 112	53%	SPK: 150
13127-88-3	Phenol-d6	79.4		15 - 107	53%	SPK: 150
4165-60-0	Nitrobenzene-d5	51.3		18 - 107	51%	SPK: 100
321-60-8	2-Fluorobiphenyl	51.6		20 - 109	52%	SPK: 100
118-79-6	2,4,6-Tribromophenol	52.1		10 - 116	35%	SPK: 150
1718-51-0	Terphenyl-d14	35.4		10 - 105	35%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	49300	6.869			
1146-65-2	Naphthalene-d8	187000	8.157			
15067-26-2	Acenaphthene-d10	91200	9.916			
1517-22-2	Phenanthrene-d10	135000	11.404			
1719-03-5	Chrysene-d12	94800	14.051			
1520-96-3	Perylene-d12	120000	15.551			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	200	AB		5.08	ug/Kg
000119-61-9	Benzophenone	230	J		10.6	ug/Kg
	unknown13.886	140	J		13.9	ug/Kg
003418-21-1	2-Bromomethyl-2-phenyl[1,3]dioxola	190	J		13.9	ug/Kg

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Report of Analysis

Client:	CDM Smith			Date Collected:	07/03/25
Project:	South River WM Replacement			Date Received:	07/03/25
Client Sample ID:	TP-81			SDG No.:	Q2514
Lab Sample ID:	Q2514-09			Matrix:	SOIL
Analytical Method:	8270E			% Solid:	86.3
Sample Wt/Vol:	30.07	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOC-TCL BNA -20
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143035.D	1	07/07/25 09:00	07/08/25 16:05	PB168737

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
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
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/03/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-90	SDG No.:	Q2514
Lab Sample ID:	Q2514-10	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	91.6
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143045.D	1	07/07/25 09:00	07/08/25 21:12	PB168737

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	170	U	170	360	ug/Kg
108-95-2	Phenol	24.1	U	24.1	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	26.5	U	26.5	190	ug/Kg
95-57-8	2-Chlorophenol	26.6	U	26.6	190	ug/Kg
95-48-7	2-Methylphenol	32.6	U	32.6	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	40.8	U	40.8	190	ug/Kg
98-86-2	Acetophenone	32.1	U	32.1	190	ug/Kg
65794-96-9	3+4-Methylphenols	44.7	U	44.7	360	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	51.6	U	51.6	87.1	ug/Kg
67-72-1	Hexachloroethane	19.2	U	19.2	190	ug/Kg
98-95-3	Nitrobenzene	19.9	U	19.9	190	ug/Kg
78-59-1	Isophorone	35.7	U	35.7	190	ug/Kg
88-75-5	2-Nitrophenol	63.4	U	63.4	190	ug/Kg
105-67-9	2,4-Dimethylphenol	70.6	U	70.6	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	33.5	U	33.5	190	ug/Kg
120-83-2	2,4-Dichlorophenol	30.8	U	30.8	190	ug/Kg
91-20-3	Naphthalene	24.7	U	24.7	190	ug/Kg
106-47-8	4-Chloroaniline	38.5	U	38.5	190	ug/Kg
87-68-3	Hexachlorobutadiene	27.5	U	27.5	190	ug/Kg
105-60-2	Caprolactam	56.7	U	56.7	360	ug/Kg
59-50-7	4-Chloro-3-methylphenol	31.2	U	31.2	190	ug/Kg
91-57-6	2-Methylnaphthalene	27.9	U	27.9	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	130	U	130	360	ug/Kg
88-06-2	2,4,6-Trichlorophenol	21.6	U	21.6	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	31.7	U	31.7	190	ug/Kg
92-52-4	1,1-Biphenyl	23.7	U	23.7	190	ug/Kg
91-58-7	2-Chloronaphthalene	24.5	U	24.5	190	ug/Kg
88-74-4	2-Nitroaniline	52.4	U	52.4	190	ug/Kg
131-11-3	Dimethylphthalate	29.5	U	29.5	190	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/03/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-90	SDG No.:	Q2514
Lab Sample ID:	Q2514-10	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	91.6
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143045.D	1	07/07/25 09:00	07/08/25 21:12	PB168737

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	31.5	U	31.5	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	36.6	U	36.6	190	ug/Kg
99-09-2	3-Nitroaniline	50.1	U	50.1	190	ug/Kg
83-32-9	Acenaphthene	23.2	U	23.2	190	ug/Kg
51-28-5	2,4-Dinitrophenol	250	U	250	360	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	360	ug/Kg
132-64-9	Dibenzofuran	24.7	U	24.7	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	54.5	U	54.5	190	ug/Kg
84-66-2	Diethylphthalate	30.8	U	30.8	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	29.1	U	29.1	190	ug/Kg
86-73-7	Fluorene	27.5	U	27.5	190	ug/Kg
100-01-6	4-Nitroaniline	69.9	U	69.9	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	110	U	110	360	ug/Kg
86-30-6	n-Nitrosodiphenylamine	35.8	U	35.8	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	30.3	U	30.3	190	ug/Kg
118-74-1	Hexachlorobenzene	27.5	U	27.5	190	ug/Kg
1912-24-9	Atrazine	37.0	U	37.0	190	ug/Kg
87-86-5	Pentachlorophenol	55.9	U	55.9	360	ug/Kg
85-01-8	Phenanthrene	22.8	U	22.8	190	ug/Kg
120-12-7	Anthracene	36.3	U	36.3	190	ug/Kg
86-74-8	Carbazole	34.0	U	34.0	190	ug/Kg
84-74-2	Di-n-butylphthalate	52.2	U	52.2	190	ug/Kg
206-44-0	Fluoranthene	94.7	J	32.7	190	ug/Kg
129-00-0	Pyrene	39.2	U	39.2	190	ug/Kg
85-68-7	Butylbenzylphthalate	77.7	U	77.7	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	40.0	U	40.0	360	ug/Kg
56-55-3	Benzo(a)anthracene	73.5	J	25.0	190	ug/Kg
218-01-9	Chrysene	74.0	J	21.7	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	64.5	U	64.5	190	ug/Kg
117-84-0	Di-n-octyl phthalate	94.5	U	94.5	360	ug/Kg
205-99-2	Benzo(b)fluoranthene	140	J	20.7	190	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/03/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-90	SDG No.:	Q2514
Lab Sample ID:	Q2514-10	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	91.6
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143045.D	1	07/07/25 09:00	07/08/25 21:12	PB168737

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	24.4	U	24.4	190	ug/Kg
50-32-8	Benzo(a)pyrene	98.9	J	32.1	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	31.7	U	31.7	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	29.8	U	29.8	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	28.0	U	28.0	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	27.9	U	27.9	190	ug/Kg
123-91-1	1,4-Dioxane	49.2	U	49.2	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	29.8	U	29.8	190	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	48.7		18 - 112	32%	SPK: 150
13127-88-3	Phenol-d6	47.1		15 - 107	31%	SPK: 150
4165-60-0	Nitrobenzene-d5	34.4		18 - 107	34%	SPK: 100
321-60-8	2-Fluorobiphenyl	38.3		20 - 109	38%	SPK: 100
118-79-6	2,4,6-Tribromophenol	41.7		10 - 116	28%	SPK: 150
1718-51-0	Terphenyl-d14	23.7		10 - 105	24%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	51700	6.869			
1146-65-2	Naphthalene-d8	174000	8.157			
15067-26-2	Acenaphthene-d10	74700	9.91			
1517-22-2	Phenanthrene-d10	119000	11.404			
1719-03-5	Chrysene-d12	134000	14.051			
1520-96-3	Perylene-d12	110000	15.545			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	110	AB		5.08	ug/Kg
000119-61-9	Benzophenone	130	J		10.6	ug/Kg
1000411-48-9	N-[(2-Phenyl-1,3-dioxolan-2-yl)met	86.0	J		13.9	ug/Kg
000192-97-2	Benzo[e]pyrene	77.3	J		15.4	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/03/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-90	SDG No.:	Q2514
Lab Sample ID:	Q2514-10	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	91.6
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143045.D	1	07/07/25 09:00	07/08/25 21:12	PB168737

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
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
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

QC SUMMARY

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Surrogate Summary

SW-846

SDG No.: Q2514

Client: CDM Smith

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB168737BL	PB168737BL	2-Fluorophenol	150	127	85		18	112
		Phenol-d6	150	128	85		15	107
		Nitrobenzene-d5	100	80.2	80		18	107
		2-Fluorobiphenyl	100	79.5	80		20	109
		2,4,6-Tribromophenol	150	132	88		10	116
		Terphenyl-d14	100	86.6	87		10	105
PB168737BS	PB168737BS	2-Fluorophenol	150	128	86		18	112
		Phenol-d6	150	129	86		15	107
		Nitrobenzene-d5	100	80.5	80		18	107
		2-Fluorobiphenyl	100	80.5	81		20	109
		2,4,6-Tribromophenol	150	139	92		10	116
		Terphenyl-d14	100	84.1	84		10	105
Q2514-01	TP-92	2-Fluorophenol	150	81.5	54		18	112
		Phenol-d6	150	81.9	55		15	107
		Nitrobenzene-d5	100	50.8	51		18	107
		2-Fluorobiphenyl	100	48.3	48		20	109
		2,4,6-Tribromophenol	150	59.1	39		10	116
		Terphenyl-d14	100	37.4	37		10	105
Q2514-02	TP-93	2-Fluorophenol	150	62.0	41		18	112
		Phenol-d6	150	57.7	38		15	107
		Nitrobenzene-d5	100	41.0	41		18	107
		2-Fluorobiphenyl	100	41.4	41		20	109
		2,4,6-Tribromophenol	150	60.4	40		10	116
		Terphenyl-d14	100	28.0	28		10	105
Q2514-03	TP-94	2-Fluorophenol	150	80.1	53		18	112
		Phenol-d6	150	80.7	54		15	107
		Nitrobenzene-d5	100	51.9	52		18	107
		2-Fluorobiphenyl	100	55.1	55		20	109
		2,4,6-Tribromophenol	150	56.5	38		10	116
		Terphenyl-d14	100	37.5	37		10	105
Q2514-04	TP-96	2-Fluorophenol	150	62.3	42		18	112
		Phenol-d6	150	61.0	41		15	107
		Nitrobenzene-d5	100	40.3	40		18	107
		2-Fluorobiphenyl	100	42.7	43		20	109
		2,4,6-Tribromophenol	150	55.0	37		10	116
		Terphenyl-d14	100	26.4	26		10	105
Q2514-05	TP-97	2-Fluorophenol	150	74.0	49		18	112
		Phenol-d6	150	75.6	50		15	107
		Nitrobenzene-d5	100	46.2	46		18	107
		2-Fluorobiphenyl	100	44.0	44		20	109
		2,4,6-Tribromophenol	150	55.6	37		10	116
		Terphenyl-d14	100	38.4	38		10	105
Q2514-06	TP-103	2-Fluorophenol	150	66.8	45		18	112
		Phenol-d6	150	67.4	45		15	107
		Nitrobenzene-d5	100	44.0	44		18	107
		2-Fluorobiphenyl	100	46.5	46		20	109
		2,4,6-Tribromophenol	150	47.8	32		10	116
		Terphenyl-d14	100	28.7	29		10	105
Q2514-07	TP-36	2-Fluorophenol	150	78.2	52		18	112
		Phenol-d6	150	79.8	53		15	107
		Nitrobenzene-d5	100	50.7	51		18	107

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Surrogate Summary

SW-846

SDG No.: Q2514

Client: CDM Smith

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
Q2514-07	TP-36	2-Fluorobiphenyl	100	52.4	52		20	109
		2,4,6-Tribromophenol	150	56.2	37		10	116
		Terphenyl-d14	100	40.6	41		10	105
Q2514-08	TP-78	2-Fluorophenol	150	93.0	62		18	112
		Phenol-d6	150	95.8	64		15	107
		Nitrobenzene-d5	100	61.0	61		18	107
		2-Fluorobiphenyl	100	60.2	60		20	109
		2,4,6-Tribromophenol	150	67.5	45		10	116
		Terphenyl-d14	100	46.7	47		10	105
Q2514-08MS	TP-78MS	2-Fluorophenol	150	76.1	51		18	112
		Phenol-d6	150	76.2	51		15	107
		Nitrobenzene-d5	100	48.0	48		18	107
		2-Fluorobiphenyl	100	48.6	49		20	109
		2,4,6-Tribromophenol	150	68.0	45		10	116
		Terphenyl-d14	100	35.9	36		10	105
Q2514-08MSD	TP-78MSD	2-Fluorophenol	150	71.8	48		18	112
		Phenol-d6	150	70.7	47		15	107
		Nitrobenzene-d5	100	45.9	46		18	107
		2-Fluorobiphenyl	100	45.7	46		20	109
		2,4,6-Tribromophenol	150	64.2	43		10	116
		Terphenyl-d14	100	34.1	34		10	105
Q2514-09	TP-81	2-Fluorophenol	150	78.9	53		18	112
		Phenol-d6	150	79.4	53		15	107
		Nitrobenzene-d5	100	51.3	51		18	107
		2-Fluorobiphenyl	100	51.6	52		20	109
		2,4,6-Tribromophenol	150	52.1	35		10	116
		Terphenyl-d14	100	35.4	35		10	105
Q2514-10	TP-90	2-Fluorophenol	150	48.7	32		18	112
		Phenol-d6	150	47.1	31		15	107
		Nitrobenzene-d5	100	34.4	34		18	107
		2-Fluorobiphenyl	100	38.3	38		20	109
		2,4,6-Tribromophenol	150	41.7	28		10	116
		Terphenyl-d14	100	23.7	24		10	105

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2514 **Analytical Method:** SW8270E

Client: CDM Smith **DataFile:** BF143032.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q2514-08MS		**Client Sample ID: TP-78MS**									
Benzaldehyde	1900	0	1800	ug/Kg	95				10	171	
Phenol	1900	0	1700	ug/Kg	89				51	122	
bis(2-Chloroethyl)ether	1900	0	1800	ug/Kg	95				54	125	
2-Chlorophenol	1900	0	1800	ug/Kg	95				51	121	
2-Methylphenol	1900	0	1800	ug/Kg	95				47	125	
2,2-oxybis(1-Chloropropane)	1900	0	1600	ug/Kg	84				46	119	
Acetophenone	1900	0	1800	ug/Kg	95				55	128	
3+4-Methylphenols	1900	0	1800	ug/Kg	95				49	125	
N-Nitroso-di-n-propylamine	1900	0	1800	ug/Kg	95				59	119	
Hexachloroethane	1900	0	1800	ug/Kg	95				51	116	
Nitrobenzene	1900	0	1700	ug/Kg	89				47	124	
Isophorone	1900	0	1700	ug/Kg	89				49	127	
2-Nitrophenol	1900	0	1800	ug/Kg	95				43	131	
2,4-Dimethylphenol	1900	0	1700	ug/Kg	89				63	151	
bis(2-Chloroethoxy)methane	1900	0	1800	ug/Kg	95				51	119	
2,4-Dichlorophenol	1900	0	1800	ug/Kg	95				50	122	
Naphthalene	1900	0	1800	ug/Kg	95				51	121	
4-Chloroaniline	1900	0	1300	ug/Kg	68				10	100	
Hexachlorobutadiene	1900	0	1800	ug/Kg	95				44	126	
Caprolactam	1900	0	1400	ug/Kg	74				51	134	
4-Chloro-3-methylphenol	1900	0	1700	ug/Kg	89				57	132	
2-Methylnaphthalene	1900	0	1800	ug/Kg	95				59	123	
Hexachlorocyclopentadiene	3900	0	3000	ug/Kg	77				10	175	
2,4,6-Trichlorophenol	1900	0	1700	ug/Kg	89				33	141	
2,4,5-Trichlorophenol	1900	0	1700	ug/Kg	89				38	135	
1,1-Biphenyl	1900	0	1900	ug/Kg	100				55	131	
2-Chloronaphthalene	1900	0	1900	ug/Kg	100				48	124	
2-Nitroaniline	1900	0	1800	ug/Kg	95				47	134	
Dimethylphthalate	1900	0	1800	ug/Kg	95				54	120	
Acenaphthylene	1900	0	1800	ug/Kg	95				57	125	
2,6-Dinitrotoluene	1900	0	1800	ug/Kg	95				48	127	
3-Nitroaniline	1900	0	1400	ug/Kg	74				10	112	
Acenaphthene	1900	0	1800	ug/Kg	95				70	121	
2,4-Dinitrophenol	3900	0	1600	ug/Kg	41				10	155	
4-Nitrophenol	3900	0	2400	ug/Kg	62				10	175	
Dibenzofuran	1900	0	1800	ug/Kg	95				52	114	
2,4-Dinitrotoluene	1900	0	1800	ug/Kg	95				41	140	
Diethylphthalate	1900	0	1800	ug/Kg	95				51	119	
4-Chlorophenyl-phenylether	1900	0	1800	ug/Kg	95				48	122	
Fluorene	1900	0	1800	ug/Kg	95				53	118	
4-Nitroaniline	1900	0	1700	ug/Kg	89				29	140	
4,6-Dinitro-2-methylphenol	1900	0	1400	ug/Kg	74				10	160	
N-Nitrosodiphenylamine	1900	0	1900	ug/Kg	100				73	118	
4-Bromophenyl-phenylether	1900	0	2000	ug/Kg	105				65	121	
Hexachlorobenzene	1900	0	1900	ug/Kg	100				67	118	
Atrazine	1900	0	1900	ug/Kg	100				45	175	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2514 **Analytical Method:** SW8270E

Client: CDM Smith **DataFile:** BF143032.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Pentachlorophenol	3900	0	2100	ug/Kg	54				13	153	
Phenanthrene	1900	0	1900	ug/Kg	100				52	128	
Anthracene	1900	0	1800	ug/Kg	95				62	124	
Carbazole	1900	0	1800	ug/Kg	95				59	119	
Di-n-butylphthalate	1900	0	2000	ug/Kg	105				55	125	
Fluoranthene	1900	0	1700	ug/Kg	89				44	125	
Pyrene	1900	0	1300	ug/Kg	68				37	122	
Butylbenzylphthalate	1900	0	1900	ug/Kg	100				44	135	
3,3-Dichlorobenzidine	1900	0	1400	ug/Kg	74				15	112	
Benzo(a)anthracene	1900	0	1800	ug/Kg	95				53	119	
Chrysene	1900	0	1900	ug/Kg	100				57	121	
bis(2-Ethylhexyl)phthalate	1900	0	1900	ug/Kg	100				42	169	
Di-n-octyl phthalate	1900	0	1900	ug/Kg	100				51	156	
Benzo(b)fluoranthene	1900	0	1900	ug/Kg	100				52	117	
Benzo(k)fluoranthene	1900	0	1900	ug/Kg	100				57	134	
Benzo(a)pyrene	1900	0	1900	ug/Kg	100				70	142	
Indeno(1,2,3-cd)pyrene	1900	0	1500	ug/Kg	79				40	129	
Dibenz(a,h)anthracene	1900	0	1500	ug/Kg	79				43	123	
Benzo(g,h,i)perylene	1900	0	1400	ug/Kg	74				24	125	
1,2,4,5-Tetrachlorobenzene	1900	0	1900	ug/Kg	100				52	134	
1,4-Dioxane	1900	0	1400	ug/Kg	74				46	112	
2,3,4,6-Tetrachlorophenol	1900	0	1400	ug/Kg	74				24	146	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2514 **Analytical Method:** SW8270E

Client: CDM Smith **DataFile:** BF143033.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q2514-08MSD		**Client Sample ID: TP-78MSD**									
Benzaldehyde	1900	0	1700	ug/Kg	89		7		10	171	20
Phenol	1900	0	1600	ug/Kg	84		6		51	122	20
bis(2-Chloroethyl)ether	1900	0	1700	ug/Kg	89		7		54	125	20
2-Chlorophenol	1900	0	1700	ug/Kg	89		7		51	121	20
2-Methylphenol	1900	0	1600	ug/Kg	84		12		47	125	20
2,2-oxybis(1-Chloropropane)	1900	0	1500	ug/Kg	79		6		46	119	20
Acetophenone	1900	0	1700	ug/Kg	89		7		55	128	20
3+4-Methylphenols	1900	0	1700	ug/Kg	89		7		49	125	20
N-Nitroso-di-n-propylamine	1900	0	1600	ug/Kg	84		12		59	119	20
Hexachloroethane	1900	0	1700	ug/Kg	89		7		51	116	20
Nitrobenzene	1900	0	1600	ug/Kg	84		6		47	124	20
Isophorone	1900	0	1600	ug/Kg	84		6		49	127	20
2-Nitrophenol	1900	0	1700	ug/Kg	89		7		43	131	20
2,4-Dimethylphenol	1900	0	1600	ug/Kg	84		6		63	151	20
bis(2-Chloroethoxy)methane	1900	0	1700	ug/Kg	89		7		51	119	20
2,4-Dichlorophenol	1900	0	1600	ug/Kg	84		12		50	122	20
Naphthalene	1900	0	1700	ug/Kg	89		7		51	121	20
4-Chloroaniline	1900	0	1200	ug/Kg	63		8		10	100	20
Hexachlorobutadiene	1900	0	1700	ug/Kg	89		7		44	126	20
Caprolactam	1900	0	1300	ug/Kg	68		8		51	134	20
4-Chloro-3-methylphenol	1900	0	1600	ug/Kg	84		6		57	132	20
2-Methylnaphthalene	1900	0	1700	ug/Kg	89		7		59	123	20
Hexachlorocyclopentadiene	3900	0	2800	ug/Kg	72		7		10	175	20
2,4,6-Trichlorophenol	1900	0	1600	ug/Kg	84		6		33	141	20
2,4,5-Trichlorophenol	1900	0	1600	ug/Kg	84		6		38	135	20
1,1-Biphenyl	1900	0	1700	ug/Kg	89		12		55	131	20
2-Chloronaphthalene	1900	0	1700	ug/Kg	89		12		48	124	20
2-Nitroaniline	1900	0	1700	ug/Kg	89		7		47	134	20
Dimethylphthalate	1900	0	1700	ug/Kg	89		7		54	120	20
Acenaphthylene	1900	0	1700	ug/Kg	89		7		57	125	20
2,6-Dinitrotoluene	1900	0	1700	ug/Kg	89		7		48	127	20
3-Nitroaniline	1900	0	1300	ug/Kg	68		8		10	112	20
Acenaphthene	1900	0	1700	ug/Kg	89		7		70	121	20
2,4-Dinitrophenol	3900	0	1500	ug/Kg	38		8		10	155	20
4-Nitrophenol	3900	0	2300	ug/Kg	59		5		10	175	20
Dibenzofuran	1900	0	1700	ug/Kg	89		7		52	114	20
2,4-Dinitrotoluene	1900	0	1600	ug/Kg	84		12		41	140	20
Diethylphthalate	1900	0	1700	ug/Kg	89		7		51	119	20
4-Chlorophenyl-phenylether	1900	0	1700	ug/Kg	89		7		48	122	20
Fluorene	1900	0	1700	ug/Kg	89		7		53	118	20
4-Nitroaniline	1900	0	1600	ug/Kg	84		6		29	140	20
4,6-Dinitro-2-methylphenol	1900	0	1300	ug/Kg	68		8		10	160	20
N-Nitrosodiphenylamine	1900	0	1800	ug/Kg	95		5		73	118	20
4-Bromophenyl-phenylether	1900	0	1800	ug/Kg	95		10		65	121	20
Hexachlorobenzene	1900	0	1800	ug/Kg	95		5		67	118	20
Atrazine	1900	0	1800	ug/Kg	95		5		45	175	20

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2514 **Analytical Method:** SW8270E

Client: CDM Smith **DataFile:** BF143033.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Pentachlorophenol	3900	0	1900	ug/Kg	49		10		13	153	20
Phenanthrene	1900	0	1700	ug/Kg	89		12		52	128	20
Anthracene	1900	0	1700	ug/Kg	89		7		62	124	20
Carbazole	1900	0	1700	ug/Kg	89		7		59	119	20
Di-n-butylphthalate	1900	0	1900	ug/Kg	100		5		55	125	20
Fluoranthene	1900	0	1600	ug/Kg	84		6		44	125	20
Pyrene	1900	0	1300	ug/Kg	68		0		37	122	20
Butylbenzylphthalate	1900	0	1800	ug/Kg	95		5		44	135	20
3,3-Dichlorobenzidine	1900	0	1400	ug/Kg	74		0		15	112	20
Benzo(a)anthracene	1900	0	1700	ug/Kg	89		7		53	119	20
Chrysene	1900	0	1800	ug/Kg	95		5		57	121	20
bis(2-Ethylhexyl)phthalate	1900	0	1800	ug/Kg	95		5		42	169	20
Di-n-octyl phthalate	1900	0	1800	ug/Kg	95		5		51	156	20
Benzo(b)fluoranthene	1900	0	1900	ug/Kg	100		0		52	117	20
Benzo(k)fluoranthene	1900	0	1800	ug/Kg	95		5		57	134	20
Benzo(a)pyrene	1900	0	1800	ug/Kg	95		5		70	142	20
Indeno(1,2,3-cd)pyrene	1900	0	1400	ug/Kg	74		7		40	129	20
Dibenz(a,h)anthracene	1900	0	1400	ug/Kg	74		7		43	123	20
Benzo(g,h,i)perylene	1900	0	1300	ug/Kg	68		8		24	125	20
1,2,4,5-Tetrachlorobenzene	1900	0	1800	ug/Kg	95		5		52	134	20
1,4-Dioxane	1900	0	1300	ug/Kg	68		8		46	112	20
2,3,4,6-Tetrachlorophenol	1900	0	1300	ug/Kg	68		8		24	146	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2514 **Analytical Method:** 8270E

Client: CDM Smith **DataFile:** BF143050.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB168737BS	Benzaldehyde	1700	1500	ug/Kg	88				10	133	
	Phenol	1700	1400	ug/Kg	82				62	112	
	bis(2-Chloroethyl)ether	1700	1500	ug/Kg	88				60	101	
	2-Chlorophenol	1700	1500	ug/Kg	88				65	112	
	2-Methylphenol	1700	1500	ug/Kg	88				61	108	
	2,2-oxybis(1-Chloropropane)	1700	1300	ug/Kg	76				51	100	
	Acetophenone	1700	1500	ug/Kg	88				66	98	
	3+4-Methylphenols	1700	1500	ug/Kg	88				58	111	
	N-Nitroso-di-n-propylamine	1700	1500	ug/Kg	88				63	95	
	Hexachloroethane	1700	1500	ug/Kg	88				72	108	
	Nitrobenzene	1700	1400	ug/Kg	82				57	101	
	Isophorone	1700	1500	ug/Kg	88				59	99	
	2-Nitrophenol	1700	1500	ug/Kg	88				61	111	
	2,4-Dimethylphenol	1700	1500	ug/Kg	88				46	141	
	bis(2-Chloroethoxy)methane	1700	1500	ug/Kg	88				66	97	
	2,4-Dichlorophenol	1700	1500	ug/Kg	88				62	107	
	Naphthalene	1700	1500	ug/Kg	88				62	100	
	4-Chloroaniline	1700	870	ug/Kg	51				16	100	
	Hexachlorobutadiene	1700	1500	ug/Kg	88				53	98	
	Caprolactam	1700	1600	ug/Kg	94				67	110	
	4-Chloro-3-methylphenol	1700	1500	ug/Kg	88				58	112	
	2-Methylnaphthalene	1700	1500	ug/Kg	88				60	104	
	Hexachlorocyclopentadiene	3300	2500	ug/Kg	76				45	165	
	2,4,6-Trichlorophenol	1700	1400	ug/Kg	82				59	102	
	2,4,5-Trichlorophenol	1700	1400	ug/Kg	82				61	98	
	1,1-Biphenyl	1700	1500	ug/Kg	88				57	103	
	2-Chloronaphthalene	1700	1500	ug/Kg	88				58	99	
	2-Nitroaniline	1700	1500	ug/Kg	88				66	101	
	Dimethylphthalate	1700	1600	ug/Kg	94				61	99	
	Acenaphthylene	1700	1500	ug/Kg	88				63	101	
	2,6-Dinitrotoluene	1700	1600	ug/Kg	94				61	104	
	3-Nitroaniline	1700	1000	ug/Kg	59				28	100	
	Acenaphthene	1700	1600	ug/Kg	94				57	104	
	2,4-Dinitrophenol	3300	3000	ug/Kg	91				37	128	
	4-Nitrophenol	3300	2400	ug/Kg	73				48	119	
	Dibenzofuran	1700	1500	ug/Kg	88				63	99	
	2,4-Dinitrotoluene	1700	1600	ug/Kg	94				60	106	
	Diethylphthalate	1700	1600	ug/Kg	94				60	101	
	4-Chlorophenyl-phenylether	1700	1500	ug/Kg	88				58	98	
	Fluorene	1700	1500	ug/Kg	88				61	101	
	4-Nitroaniline	1700	1500	ug/Kg	88				64	103	
	4,6-Dinitro-2-methylphenol	1700	1500	ug/Kg	88				76	113	
	N-Nitrosodiphenylamine	1700	1500	ug/Kg	88				71	99	
	4-Bromophenyl-phenylether	1700	1500	ug/Kg	88				66	102	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2514 **Analytical Method:** 8270E

Client: CDM Smith **DataFile:** BF143050.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB168737BS	Hexachlorobenzene	1700	1500	ug/Kg	88				64	98	
	Atrazine	1700	1700	ug/Kg	100				47	152	
	Pentachlorophenol	3300	2400	ug/Kg	73				67	105	
	Phenanthrene	1700	1500	ug/Kg	88				59	103	
	Anthracene	1700	1500	ug/Kg	88				61	105	
	Carbazole	1700	1500	ug/Kg	88				61	99	
	Di-n-butylphthalate	1700	1600	ug/Kg	94				58	104	
	Fluoranthene	1700	1500	ug/Kg	88				57	107	
	Pyrene	1700	1500	ug/Kg	88				59	103	
	Butylbenzylphthalate	1700	1600	ug/Kg	94				55	103	
	3,3-Dichlorobenzidine	1700	830	ug/Kg	49				42	91	
	Benzo(a)anthracene	1700	1500	ug/Kg	88				60	102	
	Chrysene	1700	1500	ug/Kg	88				59	101	
	bis(2-Ethylhexyl)phthalate	1700	1600	ug/Kg	94				54	135	
	Di-n-octyl phthalate	1700	1600	ug/Kg	94				52	137	
	Benzo(b)fluoranthene	1700	1400	ug/Kg	82				62	109	
	Benzo(k)fluoranthene	1700	1600	ug/Kg	94				62	109	
	Benzo(a)pyrene	1700	1500	ug/Kg	88				63	103	
	Indeno(1,2,3-cd)pyrene	1700	1400	ug/Kg	82				63	101	
	Dibenz(a,h)anthracene	1700	1400	ug/Kg	82				61	112	
	Benzo(g,h,i)perylene	1700	1400	ug/Kg	82				70	108	
	1,2,4,5-Tetrachlorobenzene	1700	1500	ug/Kg	88				53	101	
	1,4-Dioxane	1700	1200	ug/Kg	71				50	96	
	2,3,4,6-Tetrachlorophenol	1700	1500	ug/Kg	88				59	108	

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

Client ID: PB168737BL

Lab Name: Alliance | Contract: CAMP02

Lab Code: ACE | SDG NO.: Q2514

Lab File ID: BF143049.D | Lab Sample ID: PB168737BL

Instrument ID: BNA_F | Date Extracted: 07/07/2025

Matrix: (soil/water) SOIL | Date Analyzed: 07/09/2025

Level: (low/med) LOW | Time Analyzed: 11:23

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB168737BS	PB168737BS	BF143050.D	07/09/2025
TP-93	Q2514-02	BF143015.D	07/07/2025
TP-92	Q2514-01	BF143037.D	07/08/2025
TP-94	Q2514-03	BF143036.D	07/08/2025
TP-97	Q2514-05	BF143038.D	07/08/2025
TP-103	Q2514-06	BF143044.D	07/08/2025
TP-96	Q2514-04	BF143046.D	07/08/2025
TP-36	Q2514-07	BF143030.D	07/08/2025
TP-78	Q2514-08	BF143031.D	07/08/2025
TP-78MS	Q2514-08MS	BF143032.D	07/08/2025
TP-78MSD	Q2514-08MSD	BF143033.D	07/08/2025
TP-81	Q2514-09	BF143035.D	07/08/2025
TP-90	Q2514-10	BF143045.D	07/08/2025

COMMENTS:

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: CAMP02

Lab Code: ACE SDG NO.: Q2514

Lab File ID: BF142787.D DFTPP Injection Date: 06/19/2025

Instrument ID: BNA_F DFTPP Injection Time: 16:37

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	33.9
68	Less than 2.0% of mass 69	0.6 (1.8) 1
69	Mass 69 relative abundance	30.9
70	Less than 2.0% of mass 69	0.1 (0.5) 1
127	10.0 - 80.0% of mass 198	41.6
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	5.8
275	10.0 - 60.0% of mass 198	24.9
365	Greater than 1% of mass 198	3.3
441	Present, but less than mass 443	15
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.1 (19.1) 2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BF142788.D	06/19/2025	17:07
SSTDICC005	SSTDICC005	BF142789.D	06/19/2025	17:38
SSTDICC010	SSTDICC010	BF142790.D	06/19/2025	18:08
SSTDICC020	SSTDICC020	BF142791.D	06/19/2025	18:39
SSTDICCC040	SSTDICCC040	BF142792.D	06/19/2025	19:09
SSTDICC050	SSTDICC050	BF142793.D	06/19/2025	19:40
SSTDICC060	SSTDICC060	BF142794.D	06/19/2025	20:10
SSTDICC080	SSTDICC080	BF142795.D	06/19/2025	20:40

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance | Contract: CAMP02

Lab Code: ACE | SDG NO.: Q2514

Lab File ID: BF143002.D | DFTPP Injection Date: 07/07/2025

Instrument ID: BNA_F | DFTPP Injection Time: 11:12

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	32.2
68	Less than 2.0% of mass 69	0.0 (0.0) 1
69	Mass 69 relative abundance	29.4
70	Less than 2.0% of mass 69	0.0 (0.0) 1
127	10.0 - 80.0% of mass 198	42.4
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6
275	10.0 - 60.0% of mass 198	25.1
365	Greater than 1% of mass 198	3.4
441	Present, but less than mass 443	15.5
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19 (19) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF143003.D	07/07/2025	12:12
TP-93	Q2514-02	BF143015.D	07/07/2025	18:21

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance | Contract: CAMP02

Lab Code: ACE | SDG NO.: Q2514

Lab File ID: BF143024.D | DFTPP Injection Date: 07/08/2025

Instrument ID: BNA_F | DFTPP Injection Time: 10:24

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	34.6
68	Less than 2.0% of mass 69	0.6 (2) 1
69	Mass 69 relative abundance	32.1
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	44.5
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6
275	10.0 - 60.0% of mass 198	25.6
365	Greater than 1% of mass 198	3.3
441	Present, but less than mass 443	15.7
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	18.8 (18.8) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF143025.D	07/08/2025	10:54
TP-36	Q2514-07	BF143030.D	07/08/2025	13:31
TP-78	Q2514-08	BF143031.D	07/08/2025	14:02
TP-78MS	Q2514-08MS	BF143032.D	07/08/2025	14:32
TP-78MSD	Q2514-08MSD	BF143033.D	07/08/2025	15:03
TP-81	Q2514-09	BF143035.D	07/08/2025	16:05
TP-94	Q2514-03	BF143036.D	07/08/2025	16:36
TP-92	Q2514-01	BF143037.D	07/08/2025	17:07
TP-97	Q2514-05	BF143038.D	07/08/2025	17:37
TP-103	Q2514-06	BF143044.D	07/08/2025	20:42
TP-90	Q2514-10	BF143045.D	07/08/2025	21:12
TP-96	Q2514-04	BF143046.D	07/08/2025	21:42

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance | Contract: CAMP02

Lab Code: ACE | SDG NO.: Q2514

Lab File ID: BF143047.D | DFTPP Injection Date: 07/09/2025

Instrument ID: BNA_F | DFTPP Injection Time: 10:22

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	33.7
68	Less than 2.0% of mass 69	0.6 (1.9) 1
69	Mass 69 relative abundance	30.9
70	Less than 2.0% of mass 69	0.0 (0.0) 1
127	10.0 - 80.0% of mass 198	43.5
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	5.8
275	10.0 - 60.0% of mass 198	26
365	Greater than 1% of mass 198	3.3
441	Present, but less than mass 443	15.1
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.2 (19.2) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF143048.D	07/09/2025	10:52
PB168737BL	PB168737BL	BF143049.D	07/09/2025	11:23
PB168737BS	PB168737BS	BF143050.D	07/09/2025	11:54

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q2514

Client ID : SSTDCCC040 Date Analyzed: 07/07/2025

Lab File ID: BF143003.D Time Analyzed: 12:12

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	66299	6.875	250576	8.16	128386	9.92
	UPPER LIMIT	132598	7.375	501152	8.663	256772	10.422
	LOWER LIMIT	33149.5	6.375	125288	7.663	64193	9.422
	EPA SAMPLE NO.						
01	TP-93	51019	6.88	169189	8.16	78799	9.92

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q2514

Client ID: SSTDCCC040 Date Analyzed: 07/07/2025

Lab File ID: BF143003.D Time Analyzed: 12:12

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	196682	11.41	115356	14.057	146144	15.551
	UPPER LIMIT	393364	11.91	230712	14.557	292288	16.051
	LOWER LIMIT	98341	10.91	57678	13.557	73072	15.051
	EPA SAMPLE NO.						
01	TP-93	137500	11.40	140379	14.05	106598	15.55

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q2514

Client ID : SSTDCCC040 Date Analyzed: 07/08/2025

Lab File ID: BF143025.D Time Analyzed: 10:54

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	66813	6.875	257725	8.16	136330	9.92
	UPPER LIMIT	133626	7.375	515450	8.663	272660	10.422
	LOWER LIMIT	33406.5	6.375	128863	7.663	68165	9.422
	EPA SAMPLE NO.						
01	TP-92	52203	6.87	200559	8.16	103832	9.92
02	TP-94	53325	6.87	200031	8.16	97923	9.92
03	TP-96	51513	6.87	178914	8.16	77176	9.92
04	TP-97	53517	6.87	204226	8.16	107967	9.92
05	TP-103	56443	6.87	202963	8.16	92048	9.91
06	TP-36	51623	6.88	191789	8.16	97372	9.92
07	TP-78	50576	6.88	192739	8.16	95941	9.92
08	TP-78MS	50264	6.88	189189	8.16	92887	9.92
09	TP-78MSD	51205	6.88	192135	8.16	95468	9.92
10	TP-81	49332	6.87	187293	8.16	91194	9.92
11	TP-90	51734	6.87	174400	8.16	74685	9.91

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q2514

Client ID: SSTDCCC040 Date Analyzed: 07/08/2025

Lab File ID: BF143025.D Time Analyzed: 10:54

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	218169	11.41	109391	14.063	135350	15.557
	UPPER LIMIT	436338	11.91	218782	14.563	270700	16.057
	LOWER LIMIT	109085	10.91	54695.5	13.563	67675	15.057
	EPA SAMPLE NO.						
01	TP-92	167385	11.40	99277	14.05	124285	15.55
02	TP-94	139376	11.40	103985	14.05	130813	15.55
03	TP-96	119858	11.40	136149	14.05	112713	15.55
04	TP-97	176632	11.40	101816	14.05	128852	15.55
05	TP-103	127469	11.40	129693	14.05	142779	15.55
06	TP-36	145951	11.40	94013	14.06	119996	15.55
07	TP-78	147510	11.40	94443	14.06	118368	15.55
08	TP-78MS	136328	11.40	97647	14.06	121597	15.55
09	TP-78MSD	140156	11.41	99167	14.06	122553	15.55
10	TP-81	135239	11.40	94806	14.05	119948	15.55
11	TP-90	119276	11.40	133812	14.05	110430	15.55

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q2514

Client ID : SSTDCCC040 Date Analyzed: 07/09/2025

Lab File ID: BF143048.D Time Analyzed: 10:52

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	66592	6.875	257344	8.16	135062	9.92
	UPPER LIMIT	133184	7.375	514688	8.657	270124	10.416
	LOWER LIMIT	33296	6.375	128672	7.657	67531	9.416
	EPA SAMPLE NO.						
01	PB168737BL	57363	6.87	220874	8.16	118712	9.92
02	PB168737BS	58302	6.88	228077	8.16	121529	9.92

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q2514

Client ID: SSTDCCC040 Date Analyzed: 07/09/2025

Lab File ID: BF143048.D Time Analyzed: 10:52

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	218580	11.41	110392	14.057	146270	15.545
	UPPER LIMIT	437160	11.91	220784	14.557	292540	16.045
	LOWER LIMIT	109290	10.91	55196	13.557	73135	15.045
	EPA SAMPLE NO.						
01	PB168737BL	203771	11.40	110413	14.05	115591	15.55
02	PB168737BS	206226	11.40	108155	14.06	126456	15.55

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

QC SAMPLE DATA

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB168737BL	SDG No.:	Q2514
Lab Sample ID:	PB168737BL	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143049.D	1	07/07/25 09:00	07/09/25 11:23	PB168737

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	160	U	160	330	ug/Kg
108-95-2	Phenol	22.1	U	22.1	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	24.3	U	24.3	170	ug/Kg
95-57-8	2-Chlorophenol	24.4	U	24.4	170	ug/Kg
95-48-7	2-Methylphenol	29.9	U	29.9	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	37.5	U	37.5	170	ug/Kg
98-86-2	Acetophenone	29.5	U	29.5	170	ug/Kg
65794-96-9	3+4-Methylphenols	41.1	U	41.1	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	47.4	U	47.4	79.9	ug/Kg
67-72-1	Hexachloroethane	17.6	U	17.6	170	ug/Kg
98-95-3	Nitrobenzene	18.3	U	18.3	170	ug/Kg
78-59-1	Isophorone	32.8	U	32.8	170	ug/Kg
88-75-5	2-Nitrophenol	58.2	U	58.2	170	ug/Kg
105-67-9	2,4-Dimethylphenol	64.8	U	64.8	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	30.8	U	30.8	170	ug/Kg
120-83-2	2,4-Dichlorophenol	28.3	U	28.3	170	ug/Kg
91-20-3	Naphthalene	22.7	U	22.7	170	ug/Kg
106-47-8	4-Chloroaniline	35.4	U	35.4	170	ug/Kg
87-68-3	Hexachlorobutadiene	25.3	U	25.3	170	ug/Kg
105-60-2	Caprolactam	52.1	U	52.1	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	28.7	U	28.7	170	ug/Kg
91-57-6	2-Methylnaphthalene	25.6	U	25.6	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	120	U	120	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	19.8	U	19.8	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	29.1	U	29.1	170	ug/Kg
92-52-4	1,1-Biphenyl	21.8	U	21.8	170	ug/Kg
91-58-7	2-Chloronaphthalene	22.5	U	22.5	170	ug/Kg
88-74-4	2-Nitroaniline	48.1	U	48.1	170	ug/Kg
131-11-3	Dimethylphthalate	27.1	U	27.1	170	ug/Kg

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Fax : 908 789 8922

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB168737BL	SDG No.:	Q2514
Lab Sample ID:	PB168737BL	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143049.D	1	07/07/25 09:00	07/09/25 11:23	PB168737

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	28.9	U	28.9	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	33.6	U	33.6	170	ug/Kg
99-09-2	3-Nitroaniline	46.0	U	46.0	170	ug/Kg
83-32-9	Acenaphthene	21.3	U	21.3	170	ug/Kg
51-28-5	2,4-Dinitrophenol	230	U	230	330	ug/Kg
100-02-7	4-Nitrophenol	110	U	110	330	ug/Kg
132-64-9	Dibenzofuran	22.7	U	22.7	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	50.1	U	50.1	170	ug/Kg
84-66-2	Diethylphthalate	28.3	U	28.3	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	26.7	U	26.7	170	ug/Kg
86-73-7	Fluorene	25.3	U	25.3	170	ug/Kg
100-01-6	4-Nitroaniline	64.2	U	64.2	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	100	U	100	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	32.9	U	32.9	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	27.8	U	27.8	170	ug/Kg
118-74-1	Hexachlorobenzene	25.3	U	25.3	170	ug/Kg
1912-24-9	Atrazine	34.0	U	34.0	170	ug/Kg
87-86-5	Pentachlorophenol	51.3	U	51.3	330	ug/Kg
85-01-8	Phenanthrene	20.9	U	20.9	170	ug/Kg
120-12-7	Anthracene	33.3	U	33.3	170	ug/Kg
86-74-8	Carbazole	31.2	U	31.2	170	ug/Kg
84-74-2	Di-n-butylphthalate	47.9	U	47.9	170	ug/Kg
206-44-0	Fluoranthene	30.0	U	30.0	170	ug/Kg
129-00-0	Pyrene	36.0	U	36.0	170	ug/Kg
85-68-7	Butylbenzylphthalate	71.4	U	71.4	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	36.7	U	36.7	330	ug/Kg
56-55-3	Benzo(a)anthracene	23.0	U	23.0	170	ug/Kg
218-01-9	Chrysene	19.9	U	19.9	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	59.2	U	59.2	170	ug/Kg
117-84-0	Di-n-octyl phthalate	86.7	U	86.7	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	19.0	U	19.0	170	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB168737BL	SDG No.:	Q2514
Lab Sample ID:	PB168737BL	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143049.D	1	07/07/25 09:00	07/09/25 11:23	PB168737

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	22.4	U	22.4	170	ug/Kg
50-32-8	Benzo(a)pyrene	29.5	U	29.5	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	29.1	U	29.1	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	27.4	U	27.4	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	25.7	U	25.7	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	25.6	U	25.6	170	ug/Kg
123-91-1	1,4-Dioxane	45.2	U	45.2	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	27.4	U	27.4	170	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	127		18 - 112	85%	SPK: 150
13127-88-3	Phenol-d6	128		15 - 107	85%	SPK: 150
4165-60-0	Nitrobenzene-d5	80.2		18 - 107	80%	SPK: 100
321-60-8	2-Fluorobiphenyl	79.5		20 - 109	80%	SPK: 100
118-79-6	2,4,6-Tribromophenol	132		10 - 116	88%	SPK: 150
1718-51-0	Terphenyl-d14	86.6		10 - 105	87%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	57400	6.869			
1146-65-2	Naphthalene-d8	221000	8.157			
15067-26-2	Acenaphthene-d10	119000	9.916			
1517-22-2	Phenanthrene-d10	204000	11.404			
1719-03-5	Chrysene-d12	110000	14.051			
1520-96-3	Perylene-d12	116000	15.545			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	310	A		5.10	ug/Kg
000630-04-6	Hentriacontane	150	J		13.9	ug/Kg
006311-48-4	(1,1-Biphenyl)-4,4-diamine, N,N	600	J		17.2	ug/Kg

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Report of Analysis

Client:	CDM Smith			Date Collected:	
Project:	South River WM Replacement			Date Received:	
Client Sample ID:	PB168737BL			SDG No.:	Q2514
Lab Sample ID:	PB168737BL			Matrix:	SOIL
Analytical Method:	8270E			% Solid:	100
Sample Wt/Vol:	30.02	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOC-TCL BNA -20
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143049.D	1	07/07/25 09:00	07/09/25 11:23	PB168737

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
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
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB168737BS	SDG No.:	Q2514
Lab Sample ID:	PB168737BS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143050.D	1	07/07/25 09:00	07/09/25 11:54	PB168737

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	1500		160	330	ug/Kg
108-95-2	Phenol	1400		22.1	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1500		24.3	170	ug/Kg
95-57-8	2-Chlorophenol	1500		24.4	170	ug/Kg
95-48-7	2-Methylphenol	1500		29.9	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1300		37.5	170	ug/Kg
98-86-2	Acetophenone	1500		29.5	170	ug/Kg
65794-96-9	3+4-Methylphenols	1500		41.1	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1500		47.4	80.0	ug/Kg
67-72-1	Hexachloroethane	1500		17.6	170	ug/Kg
98-95-3	Nitrobenzene	1400		18.3	170	ug/Kg
78-59-1	Isophorone	1500		32.8	170	ug/Kg
88-75-5	2-Nitrophenol	1500		58.2	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1500		64.8	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1500		30.8	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1500		28.3	170	ug/Kg
91-20-3	Naphthalene	1500		22.7	170	ug/Kg
106-47-8	4-Chloroaniline	870		35.4	170	ug/Kg
87-68-3	Hexachlorobutadiene	1500		25.3	170	ug/Kg
105-60-2	Caprolactam	1600		52.1	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1500		28.7	170	ug/Kg
91-57-6	2-Methylnaphthalene	1500		25.6	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	2500		120	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1400		19.8	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1400		29.1	170	ug/Kg
92-52-4	1,1-Biphenyl	1500		21.8	170	ug/Kg
91-58-7	2-Chloronaphthalene	1500		22.5	170	ug/Kg
88-74-4	2-Nitroaniline	1500		48.1	170	ug/Kg
131-11-3	Dimethylphthalate	1600		27.1	170	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB168737BS	SDG No.:	Q2514
Lab Sample ID:	PB168737BS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143050.D	1	07/07/25 09:00	07/09/25 11:54	PB168737

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1500		28.9	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1600		33.6	170	ug/Kg
99-09-2	3-Nitroaniline	1000		46.0	170	ug/Kg
83-32-9	Acenaphthene	1600		21.3	170	ug/Kg
51-28-5	2,4-Dinitrophenol	3000	E	230	330	ug/Kg
100-02-7	4-Nitrophenol	2400		110	330	ug/Kg
132-64-9	Dibenzofuran	1500		22.7	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	1600		50.1	170	ug/Kg
84-66-2	Diethylphthalate	1600		28.3	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1500		26.7	170	ug/Kg
86-73-7	Fluorene	1500		25.3	170	ug/Kg
100-01-6	4-Nitroaniline	1500		64.2	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1500		100	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1500		32.9	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1500		27.8	170	ug/Kg
118-74-1	Hexachlorobenzene	1500		25.3	170	ug/Kg
1912-24-9	Atrazine	1700		34.0	170	ug/Kg
87-86-5	Pentachlorophenol	2400		51.3	330	ug/Kg
85-01-8	Phenanthrene	1500		20.9	170	ug/Kg
120-12-7	Anthracene	1500		33.3	170	ug/Kg
86-74-8	Carbazole	1500		31.2	170	ug/Kg
84-74-2	Di-n-butylphthalate	1600		47.9	170	ug/Kg
206-44-0	Fluoranthene	1500		30.0	170	ug/Kg
129-00-0	Pyrene	1500		36.0	170	ug/Kg
85-68-7	Butylbenzylphthalate	1600		71.4	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	830		36.7	330	ug/Kg
56-55-3	Benzo(a)anthracene	1500		23.0	170	ug/Kg
218-01-9	Chrysene	1500		19.9	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1600		59.2	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1600		86.8	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1400		19.0	170	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB168737BS	SDG No.:	Q2514
Lab Sample ID:	PB168737BS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143050.D	1	07/07/25 09:00	07/09/25 11:54	PB168737

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1600		22.4	170	ug/Kg
50-32-8	Benzo(a)pyrene	1500		29.5	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1400		29.1	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1400		27.4	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1400		25.7	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1500		25.6	170	ug/Kg
123-91-1	1,4-Dioxane	1200		45.2	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1500		27.4	170	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	128		18 - 112	86%	SPK: 150
13127-88-3	Phenol-d6	129		15 - 107	86%	SPK: 150
4165-60-0	Nitrobenzene-d5	80.5		18 - 107	80%	SPK: 100
321-60-8	2-Fluorobiphenyl	80.5		20 - 109	81%	SPK: 100
118-79-6	2,4,6-Tribromophenol	139		10 - 116	92%	SPK: 150
1718-51-0	Terphenyl-d14	84.1		10 - 105	84%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	58300	6.875			
1146-65-2	Naphthalene-d8	228000	8.157			
15067-26-2	Acenaphthene-d10	122000	9.916			
1517-22-2	Phenanthrene-d10	206000	11.404			
1719-03-5	Chrysene-d12	108000	14.057			
1520-96-3	Perylene-d12	126000	15.545			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
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
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/03/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-78MS	SDG No.:	Q2514
Lab Sample ID:	Q2514-08MS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.3
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143032.D	1	07/07/25 09:00	07/08/25 14:32	PB168737

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	1800		180	380	ug/Kg
108-95-2	Phenol	1700		25.6	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1800		28.1	200	ug/Kg
95-57-8	2-Chlorophenol	1800		28.3	200	ug/Kg
95-48-7	2-Methylphenol	1800		34.6	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1600		43.4	200	ug/Kg
98-86-2	Acetophenone	1800		34.2	200	ug/Kg
65794-96-9	3+4-Methylphenols	1800		47.6	380	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1800		54.9	92.7	ug/Kg
67-72-1	Hexachloroethane	1800		20.4	200	ug/Kg
98-95-3	Nitrobenzene	1700		21.2	200	ug/Kg
78-59-1	Isophorone	1700		38.0	200	ug/Kg
88-75-5	2-Nitrophenol	1800		67.4	200	ug/Kg
105-67-9	2,4-Dimethylphenol	1700		75.1	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1800		35.7	200	ug/Kg
120-83-2	2,4-Dichlorophenol	1800		32.8	200	ug/Kg
91-20-3	Naphthalene	1800		26.3	200	ug/Kg
106-47-8	4-Chloroaniline	1300		41.0	200	ug/Kg
87-68-3	Hexachlorobutadiene	1800		29.3	200	ug/Kg
105-60-2	Caprolactam	1400		60.4	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1700		33.2	200	ug/Kg
91-57-6	2-Methylnaphthalene	1800		29.7	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	3000		130	380	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1700		22.9	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1700		33.7	200	ug/Kg
92-52-4	1,1-Biphenyl	1900		25.3	200	ug/Kg
91-58-7	2-Chloronaphthalene	1900		26.1	200	ug/Kg
88-74-4	2-Nitroaniline	1800		55.7	200	ug/Kg
131-11-3	Dimethylphthalate	1800		31.4	200	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/03/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-78MS	SDG No.:	Q2514
Lab Sample ID:	Q2514-08MS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.3
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143032.D	1	07/07/25 09:00	07/08/25 14:32	PB168737

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1800		33.5	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	1800		38.9	200	ug/Kg
99-09-2	3-Nitroaniline	1400		53.3	200	ug/Kg
83-32-9	Acenaphthene	1800		24.7	200	ug/Kg
51-28-5	2,4-Dinitrophenol	1600		270	380	ug/Kg
100-02-7	4-Nitrophenol	2400		120	380	ug/Kg
132-64-9	Dibenzofuran	1800		26.3	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	1800		58.0	200	ug/Kg
84-66-2	Diethylphthalate	1800		32.8	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1800		30.9	200	ug/Kg
86-73-7	Fluorene	1800		29.3	200	ug/Kg
100-01-6	4-Nitroaniline	1700		74.4	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1400		120	380	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1900		38.1	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	2000		32.2	200	ug/Kg
118-74-1	Hexachlorobenzene	1900		29.3	200	ug/Kg
1912-24-9	Atrazine	1900		39.4	200	ug/Kg
87-86-5	Pentachlorophenol	2100		59.4	380	ug/Kg
85-01-8	Phenanthrene	1900		24.2	200	ug/Kg
120-12-7	Anthracene	1800		38.6	200	ug/Kg
86-74-8	Carbazole	1800		36.1	200	ug/Kg
84-74-2	Di-n-butylphthalate	2000		55.5	200	ug/Kg
206-44-0	Fluoranthene	1700		34.8	200	ug/Kg
129-00-0	Pyrene	1300		41.7	200	ug/Kg
85-68-7	Butylbenzylphthalate	1900		82.7	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1400		42.5	380	ug/Kg
56-55-3	Benzo(a)anthracene	1800		26.6	200	ug/Kg
218-01-9	Chrysene	1900		23.1	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1900		68.6	200	ug/Kg
117-84-0	Di-n-octyl phthalate	1900		100	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	1900		22.0	200	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/03/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-78MS	SDG No.:	Q2514
Lab Sample ID:	Q2514-08MS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.3
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143032.D	1	07/07/25 09:00	07/08/25 14:32	PB168737

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1900		25.9	200	ug/Kg
50-32-8	Benzo(a)pyrene	1900		34.2	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1500		33.7	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1500		31.7	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1400		29.8	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1900		29.7	200	ug/Kg
123-91-1	1,4-Dioxane	1400		52.4	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1400		31.7	200	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	76.1		18 - 112	51%	SPK: 150
13127-88-3	Phenol-d6	76.2		15 - 107	51%	SPK: 150
4165-60-0	Nitrobenzene-d5	48.0		18 - 107	48%	SPK: 100
321-60-8	2-Fluorobiphenyl	48.6		20 - 109	49%	SPK: 100
118-79-6	2,4,6-Tribromophenol	68.0		10 - 116	45%	SPK: 150
1718-51-0	Terphenyl-d14	35.9		10 - 105	36%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	50300	6.875			
1146-65-2	Naphthalene-d8	189000	8.157			
15067-26-2	Acenaphthene-d10	92900	9.916			
1517-22-2	Phenanthrene-d10	136000	11.404			
1719-03-5	Chrysene-d12	97600	14.057			
1520-96-3	Perylene-d12	122000	15.551			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
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J = Estimated Value
B = Analyte Found in Associated Method Blank
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D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/03/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-78MSD	SDG No.:	Q2514
Lab Sample ID:	Q2514-08MSD	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.3
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143033.D	1	07/07/25 09:00	07/08/25 15:03	PB168737

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	1700		180	380	ug/Kg
108-95-2	Phenol	1600		25.6	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1700		28.1	200	ug/Kg
95-57-8	2-Chlorophenol	1700		28.2	200	ug/Kg
95-48-7	2-Methylphenol	1600		34.6	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1500		43.4	200	ug/Kg
98-86-2	Acetophenone	1700		34.1	200	ug/Kg
65794-96-9	3+4-Methylphenols	1700		47.5	380	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1600		54.8	92.5	ug/Kg
67-72-1	Hexachloroethane	1700		20.4	200	ug/Kg
98-95-3	Nitrobenzene	1600		21.2	200	ug/Kg
78-59-1	Isophorone	1600		37.9	200	ug/Kg
88-75-5	2-Nitrophenol	1700		67.3	200	ug/Kg
105-67-9	2,4-Dimethylphenol	1600		75.0	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1700		35.6	200	ug/Kg
120-83-2	2,4-Dichlorophenol	1600		32.7	200	ug/Kg
91-20-3	Naphthalene	1700		26.3	200	ug/Kg
106-47-8	4-Chloroaniline	1200		41.0	200	ug/Kg
87-68-3	Hexachlorobutadiene	1700		29.3	200	ug/Kg
105-60-2	Caprolactam	1300		60.3	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1600		33.2	200	ug/Kg
91-57-6	2-Methylnaphthalene	1700		29.6	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	2800		130	380	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1600		22.9	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1600		33.7	200	ug/Kg
92-52-4	1,1-Biphenyl	1700		25.2	200	ug/Kg
91-58-7	2-Chloronaphthalene	1700		26.0	200	ug/Kg
88-74-4	2-Nitroaniline	1700		55.6	200	ug/Kg
131-11-3	Dimethylphthalate	1700		31.3	200	ug/Kg

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

Report of Analysis

Client:	CDM Smith	Date Collected:	07/03/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-78MSD	SDG No.:	Q2514
Lab Sample ID:	Q2514-08MSD	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.3
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143033.D	1	07/07/25 09:00	07/08/25 15:03	PB168737

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1700		33.4	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	1700		38.9	200	ug/Kg
99-09-2	3-Nitroaniline	1300		53.2	200	ug/Kg
83-32-9	Acenaphthene	1700		24.6	200	ug/Kg
51-28-5	2,4-Dinitrophenol	1500		260	380	ug/Kg
100-02-7	4-Nitrophenol	2300		120	380	ug/Kg
132-64-9	Dibenzofuran	1700		26.3	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	1600		58.0	200	ug/Kg
84-66-2	Diethylphthalate	1700		32.7	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1700		30.9	200	ug/Kg
86-73-7	Fluorene	1700		29.3	200	ug/Kg
100-01-6	4-Nitroaniline	1600		74.3	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1300		120	380	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1800		38.1	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1800		32.2	200	ug/Kg
118-74-1	Hexachlorobenzene	1800		29.3	200	ug/Kg
1912-24-9	Atrazine	1800		39.3	200	ug/Kg
87-86-5	Pentachlorophenol	1900		59.3	380	ug/Kg
85-01-8	Phenanthrene	1700		24.2	200	ug/Kg
120-12-7	Anthracene	1700		38.5	200	ug/Kg
86-74-8	Carbazole	1700		36.1	200	ug/Kg
84-74-2	Di-n-butylphthalate	1900		55.4	200	ug/Kg
206-44-0	Fluoranthene	1600		34.7	200	ug/Kg
129-00-0	Pyrene	1300		41.6	200	ug/Kg
85-68-7	Butylbenzylphthalate	1800		82.6	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1400		42.5	380	ug/Kg
56-55-3	Benzo(a)anthracene	1700		26.6	200	ug/Kg
218-01-9	Chrysene	1800		23.0	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1800		68.5	200	ug/Kg
117-84-0	Di-n-octyl phthalate	1800		100	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	1900		22.0	200	ug/Kg

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Fax : 908 789 8922

Report of Analysis

Client:	CDM Smith	Date Collected:	07/03/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-78MSD	SDG No.:	Q2514
Lab Sample ID:	Q2514-08MSD	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.3
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143033.D	1	07/07/25 09:00	07/08/25 15:03	PB168737

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1800		25.9	200	ug/Kg
50-32-8	Benzo(a)pyrene	1800		34.1	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1400		33.7	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1400		31.7	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1300		29.7	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1800		29.6	200	ug/Kg
123-91-1	1,4-Dioxane	1300		52.3	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1300		31.7	200	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	71.8		18 - 112	48%	SPK: 150
13127-88-3	Phenol-d6	70.7		15 - 107	47%	SPK: 150
4165-60-0	Nitrobenzene-d5	45.9		18 - 107	46%	SPK: 100
321-60-8	2-Fluorobiphenyl	45.7		20 - 109	46%	SPK: 100
118-79-6	2,4,6-Tribromophenol	64.2		10 - 116	43%	SPK: 150
1718-51-0	Terphenyl-d14	34.1		10 - 105	34%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	51200	6.875			
1146-65-2	Naphthalene-d8	192000	8.157			
15067-26-2	Acenaphthene-d10	95500	9.916			
1517-22-2	Phenanthrene-d10	140000	11.41			
1719-03-5	Chrysene-d12	99200	14.057			
1520-96-3	Perylene-d12	123000	15.551			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
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
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

CALIBRATION SUMMARY

Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF061925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Jun 20 05:06:14 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BF142788.D 5 =BF142789.D 10 =BF142790.D 20 =BF142791.D 40 =BF142792.D 50 =BF142793.D 60 =BF142794.D 80 =BF1427
95.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.479	0.499	0.471	0.461	0.509	0.479	0.467	0.480	3.60
3)		Pyridine		1.190	1.195	1.190	1.164	1.303	1.209	1.181	1.205	3.78
4)		n-Nitrosodimet...			0.610	0.617	0.596	0.668	0.632	0.614	0.623	3.98
5)	S	2-Fluorophenol		2.475	2.460	2.460	2.299	2.525	2.342	2.256	2.403	4.26
6)		Aniline		1.951	1.944	1.891	1.818	1.982	1.869	1.746	1.886	4.41
7)	S	Phenol-d6		3.024	2.962	2.846	2.681	2.959	2.760	2.610	2.834	5.53
8)		2-Chlorophenol		1.362	1.303	1.292	1.245	1.366	1.272	1.231	1.296	4.08
9)		Benzaldehyde			0.988	0.943	0.757	0.832	0.684		0.841	15.02
10)	C	Phenol		1.648	1.653	1.591	1.516	1.651	1.530	1.437	1.575	5.31
11)		bis(2-Chloroet...		1.167	1.133	1.134	1.072	1.183	1.116	1.077	1.126	3.71
12)		1,3-Dichlorobe...		1.536	1.499	1.470	1.377	1.500	1.414	1.348	1.449	4.85
13)	C	1,4-Dichlorobe...		1.563	1.496	1.472	1.409	1.523	1.425	1.347	1.462	5.04
14)		1,2-Dichlorobe...		1.458	1.422	1.409	1.331	1.451	1.353	1.284	1.387	4.72
15)		Benzyl Alcohol			1.023	1.025	0.976	1.106	1.032	0.985	1.025	4.51
16)		2,2'-oxybis(1-...		1.975	1.869	1.815	1.723	1.879	1.758	1.644	1.809	6.12
17)		2-Methylphenol		1.015	0.997	0.980	0.938	1.043	0.972	0.929	0.982	4.13
18)		Hexachloroethane		0.533	0.521	0.507	0.499	0.539	0.498	0.484	0.511	3.89
19)	P	n-Nitroso-di-n...	0.831	0.879	0.840	0.833	0.787	0.847	0.812	0.766	0.824	4.30
20)		3+4-Methylphenols			1.292	1.262	1.176	1.312	1.197	1.108	1.224	6.36
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.464	0.451	0.459	0.418	0.461	0.428	0.406	0.441	5.28
23)	S	Nitrobenzene-d5		0.738	0.724	0.747	0.708	0.771	0.724	0.694	0.729	3.48
24)		Nitrobenzene		0.345	0.325	0.332	0.319	0.349	0.326	0.314	0.330	3.88
25)		Isophorone		0.611	0.582	0.592	0.555	0.616	0.584	0.554	0.585	4.17
26)	C	2-Nitrophenol		0.169	0.172	0.182	0.178	0.194	0.186	0.176	0.180	4.85
27)		2,4-Dimethylph...		0.322	0.310	0.318	0.300	0.329	0.307	0.294	0.311	3.99
28)		bis(2-Chloroet...		0.386	0.373	0.383	0.355	0.390	0.366	0.351	0.372	4.09
29)	C	2,4-Dichloroph...		0.291	0.280	0.290	0.273	0.298	0.277	0.268	0.282	3.77
30)		1,2,4-Trichlor...		0.324	0.316	0.318	0.299	0.324	0.301	0.292	0.310	4.26
31)		Naphthalene		1.051	1.002	1.004	0.934	1.017	0.943	0.902	0.979	5.46
32)		Benzoic acid			0.118	0.147	0.157	0.181	0.180	0.169	0.159	15.08
33)		4-Chloroaniline		0.414	0.408	0.409	0.379	0.421	0.393	0.363	0.398	5.26
34)	C	Hexachlorobuta...		0.195	0.188	0.198	0.184	0.200	0.184	0.179	0.190	4.30
35)		Caprolactam			0.073	0.075	0.072	0.081	0.078	0.069	0.075	5.84
36)	C	4-Chloro-3-met...		0.300	0.275	0.286	0.269	0.298	0.278	0.260	0.281	5.24
37)		2-Methylnaphth...		0.655	0.621	0.629	0.579	0.631	0.583	0.550	0.607	6.12
38)		1-Methylnaphth...		0.684	0.645	0.650	0.598	0.654	0.604	0.563	0.628	6.56

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF061925.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.626	0.609	0.602	0.557	0.598	0.577	0.563	0.590	4.27
41)	P	Hexachlorocycl...		0.235	0.308	0.336	0.365	0.376	0.389	0.335	17.02
42)	S	2,4,6-Tribromo...	0.415	0.414	0.428	0.400	0.438	0.411	0.374	0.412	4.96
43)	C	2,4,6-Trichlor...	0.385	0.380	0.394	0.365	0.408	0.389	0.371	0.385	3.71
44)		2,4,5-Trichlor...	0.407	0.403	0.421	0.391	0.416	0.407	0.388	0.405	2.95
45)	S	2-Fluorobiphenyl	3.480	3.272	3.184	2.861	2.999	2.816	2.702	3.045	9.15
46)		1,1'-Biphenyl	1.701	1.616	1.637	1.505	1.609	1.525	1.466	1.580	5.27
47)		2-Chloronaphth...	1.300	1.202	1.208	1.129	1.209	1.145	1.106	1.186	5.50
48)		2-Nitroaniline	0.321	0.329	0.337	0.324	0.358	0.337	0.320	0.332	3.93
49)		Acenaphthylene	2.110	2.006	2.011	1.861	1.995	1.891	1.787	1.952	5.64
50)		Dimethylphthalate	1.372	1.334	1.330	1.228	1.335	1.277	1.186	1.295	5.17
51)		2,6-Dinitrotol...	0.297	0.279	0.290	0.277	0.294	0.284	0.268	0.284	3.57
52)	C	Acenaphthene	1.247	1.199	1.241	1.142	1.228	1.172	1.107	1.191	4.44
53)		3-Nitroaniline	0.311	0.311	0.316	0.302	0.338	0.320	0.292	0.313	4.52
54)	P	2,4-Dinitrophenol		0.095	0.129	0.142	0.173	0.163	0.152	0.142	19.61
55)		Dibenzofuran	1.844	1.772	1.763	1.626	1.752	1.660	1.537	1.708	6.13
56)	P	4-Nitrophenol		0.189	0.218	0.208	0.238	0.229	0.203	0.214	8.25
57)		2,4-Dinitrotol...	0.373	0.378	0.397	0.367	0.407	0.383	0.338	0.378	5.90
58)		Fluorene	1.464	1.412	1.395	1.260	1.362	1.260	1.183	1.334	7.58
59)		2,3,4,6-Tetrac...	0.327	0.327	0.339	0.312	0.345	0.331	0.304	0.326	4.43
60)		Diethylphthalate	1.328	1.302	1.319	1.211	1.318	1.266	1.141	1.269	5.50
61)		4-Chlorophenyl...	0.713	0.656	0.669	0.599	0.640	0.609	0.568	0.636	7.64
62)		4-Nitroaniline	0.279	0.276	0.297	0.272	0.316	0.300	0.264	0.286	6.48
63)		Azobenzene	1.215	1.149	1.167	1.081	1.176	1.122	1.032	1.134	5.47
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.099	0.119	0.119	0.134	0.130	0.125	0.121	10.04
66)	c	n-Nitrosodiphe...	0.736	0.686	0.710	0.670	0.717	0.671	0.662	0.693	4.07
67)		4-Bromophenyl-...	0.231	0.221	0.235	0.218	0.236	0.228	0.225	0.228	3.03
68)		Hexachlorobenzene	0.263	0.248	0.257	0.241	0.262	0.252	0.247	0.253	3.29
69)		Atrazine	0.176	0.172	0.180	0.174	0.195	0.183	0.174	0.179	4.48
70)	C	Pentachlorophenol		0.102	0.119	0.125	0.142	0.135	0.133	0.126	11.30
71)		Phenanthrene	1.183	1.113	1.115	1.031	1.122	1.028	0.992	1.083	6.24
72)		Anthracene	1.226	1.123	1.149	1.064	1.140	1.065	1.011	1.111	6.35
73)		Carbazole	1.040	0.986	0.999	0.900	1.002	0.920	0.866	0.959	6.67
74)		Di-n-butylphth...	0.997	1.006	1.045	0.946	1.073	0.989	0.936	0.999	4.92
75)	C	Fluoranthene	1.136	1.088	1.090	0.954	1.059	0.972	0.899	1.028	8.44
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine		0.745	0.860	0.773	0.824	0.719	0.587	0.751	12.71
78)		Pyrene	2.110	1.940	1.968	1.742	2.030	1.863	1.468	1.875	11.43
79)	S	Terphenyl-d14	3.383	3.111	3.066	2.655	3.070	2.772	2.208	2.895	13.30
80)		Butylbenzylpht...	0.478	0.470	0.538	0.547	0.613	0.597	0.563	0.544	10.01
81)		Benzo(a)anthra...	1.392	1.358	1.366	1.265	1.403	1.376	1.284	1.349	3.98
82)		3,3'-Dichlorob...		0.398	0.440	0.429	0.476	0.445	0.438	0.438	5.73
83)		Chrysene	1.243	1.191	1.208	1.164	1.295	1.177	1.150	1.204	4.17
84)		Bis(2-ethylhex...	0.650	0.675	0.767	0.803	0.861	0.843	0.878	0.782	11.52
85)	c	Di-n-octyl pht...		1.207	1.352	1.463	1.610	1.569	1.651	1.475	11.54

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF061925.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.528	1.488	1.545	1.474	1.648	1.539	1.442	1.523	4.38
88)		Benzo(b)fluora...	1.164	1.220	1.226	1.072	1.152	1.197	1.070	1.157	5.61
89)		Benzo(k)fluora...	1.206	1.004	1.035	1.037	1.193	1.038	1.068	1.083	7.55
90)	C	Benzo(a)pyrene	1.142	1.065	1.124	1.069	1.201	1.141	1.084	1.118	4.37
91)		Dibenzo(a,h)an...	1.249	1.214	1.293	1.180	1.337	1.240	1.152	1.238	5.13
92)		Benzo(g,h,i)pe...	1.239	1.198	1.266	1.188	1.332	1.255	1.161	1.234	4.66

(#) = Out of Range

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: CAMP02

Lab Code: ACE SDG No.: Q2514

Instrument ID: BNA_F Calibration Date/Time: 07/07/2025 12:12

Lab File ID: BF143003.D Init. Calib. Date(s): 06/19/2025 06/19/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 17:07 20:40

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.201	1.159		-3.5	
Benzaldehyde	0.841	0.897		6.7	
Phenol-d6	1.417	1.363		-3.8	
Phenol	1.575	1.512		-4.0	20.0
bis(2-Chloroethyl)ether	1.126	1.086		-3.6	
2-Chlorophenol	1.296	1.244		-4.0	
2-Methylphenol	0.982	0.979		-0.3	
2,2-oxybis(1-Chloropropane)	1.809	1.645		-9.1	
Acetophenone	0.441	0.434		-1.6	
3+4-Methylphenols	1.224	1.224		0.0	
n-Nitroso-di-n-propylamine	0.824	0.811	0.050	-1.6	
Nitrobenzene-d5	0.365	0.385		5.5	
Hexachloroethane	0.511	0.506		-1.0	
Nitrobenzene	0.330	0.319		-3.3	
Isophorone	0.585	0.566		-3.2	
2-Nitrophenol	0.180	0.184		2.2	20.0
2,4-Dimethylphenol	0.311	0.300		-3.5	
bis(2-Chloroethoxy)methane	0.372	0.368		-1.1	
2,4-Dichlorophenol	0.282	0.278		-1.4	20.0
Naphthalene	0.979	0.963		-1.6	
4-Chloroaniline	0.398	0.370		-7.0	
Hexachlorobutadiene	0.190	0.191		0.5	20.0
Caprolactam	0.075	0.072		-4.0	
4-Chloro-3-methylphenol	0.281	0.276		-1.8	20.0
2-Methylnaphthalene	0.607	0.593		-2.3	
Hexachlorocyclopentadiene	0.335	0.343	0.050	2.4	
2,4,6-Trichlorophenol	0.385	0.364		-5.5	20.0
2-Fluorobiphenyl	1.522	1.599		5.1	
2,4,5-Trichlorophenol	0.405	0.378		-6.7	
1,1-Biphenyl	1.580	1.546		-2.2	
2-Chloronaphthalene	1.186	1.160		-2.2	
2-Nitroaniline	0.332	0.322		-3.0	
Dimethylphthalate	1.295	1.251		-3.4	
Acenaphthylene	1.952	1.905		-2.4	
2,6-Dinitrotoluene	0.284	0.276		-2.8	
3-Nitroaniline	0.313	0.297		-5.1	
Acenaphthene	1.191	1.193		0.2	20.0
2,4-Dinitrophenol	0.142	0.169	0.050	19.0	
4-Nitrophenol	0.214	0.207	0.050	-3.3	

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: CAMP02

Lab Code: ACE SDG No.: Q2514

Instrument ID: BNA_F Calibration Date/Time: 07/07/2025 12:12

Lab File ID: BF143003.D Init. Calib. Date(s): 06/19/2025 06/19/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 17:07 20:40

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.708	1.645		-3.7	
2,4-Dinitrotoluene	0.378	0.360		-4.8	
Diethylphthalate	1.269	1.220		-3.9	
4-Chlorophenyl-phenylether	0.636	0.616		-3.1	
Fluorene	1.334	1.274		-4.5	
4-Nitroaniline	0.286	0.265		-7.3	
4,6-Dinitro-2-methylphenol	0.121	0.121		0.0	
n-Nitrosodiphenylamine	0.693	0.704		1.6	20.0
2,4,6-Tribromophenol	0.206	0.187		-9.2	
4-Bromophenyl-phenylether	0.228	0.232		1.8	
Hexachlorobenzene	0.253	0.255		0.8	
Atrazine	0.179	0.184		2.8	
Pentachlorophenol	0.126	0.143		13.5	20.0
Phenanthrene	1.083	1.050		-3.0	
Anthracene	1.111	1.081		-2.7	
Carbazole	0.959	0.888		-7.4	
Di-n-butylphthalate	0.999	1.010		1.1	
Fluoranthene	1.028	0.933		-9.2	20.0
Pyrene	1.875	1.782		-5.0	
Terphenyl-d14	1.447	1.318		-8.9	
Butylbenzylphthalate	0.544	0.602		10.7	
3,3-Dichlorobenzidine	0.438	0.480		9.6	
Benzo(a)anthracene	1.349	1.319		-2.2	
Chrysene	1.204	1.216		1.0	
Bis(2-ethylhexyl)phthalate	0.782	0.919		17.5	
Di-n-octyl phthalate	1.475	1.705		15.6	20.0
Benzo(b)fluoranthene	1.157	1.189		2.8	
Benzo(k)fluoranthene	1.083	1.000		-7.7	
Benzo(a)pyrene	1.118	1.099		-1.7	20.0
Indeno(1,2,3-cd)pyrene	1.523	1.334		-12.4	
Dibenzo(a,h)anthracene	1.238	1.100		-11.1	
Benzo(g,h,i)perylene	1.234	1.044		-15.4	
1,2,4,5-Tetrachlorobenzene	0.590	0.592		0.3	
1,4-Dioxane	0.480	0.430		-10.4	20.0
2,3,4,6-Tetrachlorophenol	0.326	0.293		-10.1	

All other compounds must meet a minimum RRF of 0.010.

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: CAMP02

Lab Code: ACE SDG No.: Q2514

Instrument ID: BNA_F Calibration Date/Time: 07/08/2025 10:54

Lab File ID: BF143025.D Init. Calib. Date(s): 06/19/2025 06/19/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 17:07 20:40

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.201	1.183		-1.5	
Benzaldehyde	0.841	0.903		7.4	
Phenol-d6	1.417	1.384		-2.3	
Phenol	1.575	1.550		-1.6	20.0
bis(2-Chloroethyl)ether	1.126	1.102		-2.1	
2-Chlorophenol	1.296	1.276		-1.5	
2-Methylphenol	0.982	0.973		-0.9	
2,2-oxybis(1-Chloropropane)	1.809	1.645		-9.1	
Acetophenone	0.441	0.431		-2.3	
3+4-Methylphenols	1.224	1.225		0.1	
n-Nitroso-di-n-propylamine	0.824	0.805	0.050	-2.3	
Nitrobenzene-d5	0.365	0.385		5.5	
Hexachloroethane	0.511	0.498		-2.5	
Nitrobenzene	0.330	0.315		-4.5	
Isophorone	0.585	0.566		-3.2	
2-Nitrophenol	0.180	0.181		0.6	20.0
2,4-Dimethylphenol	0.311	0.301		-3.2	
bis(2-Chloroethoxy)methane	0.372	0.361		-3.0	
2,4-Dichlorophenol	0.282	0.275		-2.5	20.0
Naphthalene	0.979	0.952		-2.8	
4-Chloroaniline	0.398	0.391		-1.8	
Hexachlorobutadiene	0.190	0.185		-2.6	20.0
Caprolactam	0.075	0.078		4.0	
4-Chloro-3-methylphenol	0.281	0.276		-1.8	20.0
2-Methylnaphthalene	0.607	0.594		-2.1	
Hexachlorocyclopentadiene	0.335	0.341	0.050	1.8	
2,4,6-Trichlorophenol	0.385	0.367		-4.7	20.0
2-Fluorobiphenyl	1.522	1.552		2.0	
2,4,5-Trichlorophenol	0.405	0.383		-5.4	
1,1-Biphenyl	1.580	1.507		-4.6	
2-Chloronaphthalene	1.186	1.125		-5.1	
2-Nitroaniline	0.332	0.326		-1.8	
Dimethylphthalate	1.295	1.287		-0.6	
Acenaphthylene	1.952	1.854		-5.0	
2,6-Dinitrotoluene	0.284	0.279		-1.8	
3-Nitroaniline	0.313	0.304		-2.9	
Acenaphthene	1.191	1.180		-0.9	20.0
2,4-Dinitrophenol	0.142	0.188	0.050	32.4	
4-Nitrophenol	0.214	0.259	0.050	21.0	

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: CAMP02

Lab Code: ACE SDG No.: Q2514

Instrument ID: BNA_F Calibration Date/Time: 07/08/2025 10:54

Lab File ID: BF143025.D Init. Calib. Date(s): 06/19/2025 06/19/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 17:07 20:40

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.708	1.634		-4.3	
2,4-Dinitrotoluene	0.378	0.376		-0.5	
Diethylphthalate	1.269	1.241		-2.2	
4-Chlorophenyl-phenylether	0.636	0.623		-2.0	
Fluorene	1.334	1.302		-2.4	
4-Nitroaniline	0.286	0.282		-1.4	
4,6-Dinitro-2-methylphenol	0.121	0.120		-0.8	
n-Nitrosodiphenylamine	0.693	0.683		-1.4	20.0
2,4,6-Tribromophenol	0.206	0.200		-2.9	
4-Bromophenyl-phenylether	0.228	0.230		0.9	
Hexachlorobenzene	0.253	0.251		-0.8	
Atrazine	0.179	0.189		5.6	
Pentachlorophenol	0.126	0.185		46.8	20.0
Phenanthrene	1.083	1.051		-3.0	
Anthracene	1.111	1.089		-2.0	
Carbazole	0.959	0.908		-5.3	
Di-n-butylphthalate	0.999	1.022		2.3	
Fluoranthene	1.028	0.959		-6.7	20.0
Pyrene	1.875	2.136		13.9	
Terphenyl-d14	1.447	1.536		6.2	
Butylbenzylphthalate	0.544	0.573		5.3	
3,3-Dichlorobenzidine	0.438	0.444		1.4	
Benzo(a)anthracene	1.349	1.310		-2.9	
Chrysene	1.204	1.161		-3.6	
Bis(2-ethylhexyl)phthalate	0.782	0.775		-0.9	
Di-n-octyl phthalate	1.475	1.479		0.3	20.0
Benzo(b)fluoranthene	1.157	1.133		-2.1	
Benzo(k)fluoranthene	1.083	0.990		-8.6	
Benzo(a)pyrene	1.118	1.090		-2.5	20.0
Indeno(1,2,3-cd)pyrene	1.523	1.509		-0.9	
Dibenzo(a,h)anthracene	1.238	1.206		-2.6	
Benzo(g,h,i)perylene	1.234	1.198		-2.9	
1,2,4,5-Tetrachlorobenzene	0.590	0.574		-2.7	
1,4-Dioxane	0.480	0.434		-9.6	20.0
2,3,4,6-Tetrachlorophenol	0.326	0.307		-5.8	

All other compounds must meet a minimum RRF of 0.010.

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: CAMP02

Lab Code: ACE SDG No.: Q2514

Instrument ID: BNA_F Calibration Date/Time: 07/09/2025 10:52

Lab File ID: BF143048.D Init. Calib. Date(s): 06/19/2025 06/19/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 17:07 20:40

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.201	1.190		-0.9	
Benzaldehyde	0.841	0.917		9.0	
Phenol-d6	1.417	1.399		-1.3	
Phenol	1.575	1.548		-1.7	20.0
bis(2-Chloroethyl)ether	1.126	1.113		-1.2	
2-Chlorophenol	1.296	1.293		-0.2	
2-Methylphenol	0.982	0.968		-1.4	
2,2-oxybis(1-Chloropropane)	1.809	1.636		-9.6	
Acetophenone	0.441	0.435		-1.4	
3+4-Methylphenols	1.224	1.238		1.1	
n-Nitroso-di-n-propylamine	0.824	0.819	0.050	-0.6	
Nitrobenzene-d5	0.365	0.383		4.9	
Hexachloroethane	0.511	0.503		-1.6	
Nitrobenzene	0.330	0.321		-2.7	
Isophorone	0.585	0.566		-3.2	
2-Nitrophenol	0.180	0.180		0.0	20.0
2,4-Dimethylphenol	0.311	0.298		-4.2	
bis(2-Chloroethoxy)methane	0.372	0.364		-2.2	
2,4-Dichlorophenol	0.282	0.277		-1.8	20.0
Naphthalene	0.979	0.942		-3.8	
4-Chloroaniline	0.398	0.385		-3.3	
Hexachlorobutadiene	0.190	0.187		-1.6	20.0
Caprolactam	0.075	0.073		-2.7	
4-Chloro-3-methylphenol	0.281	0.274		-2.5	20.0
2-Methylnaphthalene	0.607	0.598		-1.5	
Hexachlorocyclopentadiene	0.335	0.341	0.050	1.8	
2,4,6-Trichlorophenol	0.385	0.356		-7.5	20.0
2-Fluorobiphenyl	1.522	1.555		2.2	
2,4,5-Trichlorophenol	0.405	0.379		-6.4	
1,1-Biphenyl	1.580	1.532		-3.0	
2-Chloronaphthalene	1.186	1.134		-4.4	
2-Nitroaniline	0.332	0.317		-4.5	
Dimethylphthalate	1.295	1.268		-2.1	
Acenaphthylene	1.952	1.863		-4.6	
2,6-Dinitrotoluene	0.284	0.281		-1.1	
3-Nitroaniline	0.313	0.292		-6.7	
Acenaphthene	1.191	1.172		-1.6	20.0
2,4-Dinitrophenol	0.142	0.173	0.050	21.8	
4-Nitrophenol	0.214	0.250	0.050	16.8	

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: CAMP02

Lab Code: ACE SDG No.: Q2514

Instrument ID: BNA_F Calibration Date/Time: 07/09/2025 10:52

Lab File ID: BF143048.D Init. Calib. Date(s): 06/19/2025 06/19/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 17:07 20:40

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.708	1.630		-4.6	
2,4-Dinitrotoluene	0.378	0.375		-0.8	
Diethylphthalate	1.269	1.231		-3.0	
4-Chlorophenyl-phenylether	0.636	0.620		-2.5	
Fluorene	1.334	1.292		-3.1	
4-Nitroaniline	0.286	0.271		-5.2	
4,6-Dinitro-2-methylphenol	0.121	0.118		-2.5	
n-Nitrosodiphenylamine	0.693	0.678		-2.2	20.0
2,4,6-Tribromophenol	0.206	0.202		-1.9	
4-Bromophenyl-phenylether	0.228	0.229		0.4	
Hexachlorobenzene	0.253	0.249		-1.6	
Atrazine	0.179	0.180		0.6	
Pentachlorophenol	0.126	0.181		43.7	20.0
Phenanthrene	1.083	1.038		-4.2	
Anthracene	1.111	1.064		-4.2	
Carbazole	0.959	0.897		-6.5	
Di-n-butylphthalate	0.999	0.985		-1.4	
Fluoranthene	1.028	0.934		-9.1	20.0
Pyrene	1.875	2.057		9.7	
Terphenyl-d14	1.447	1.481		2.3	
Butylbenzylphthalate	0.544	0.572		5.1	
3,3-Dichlorobenzidine	0.438	0.472		7.8	
Benzo(a)anthracene	1.349	1.327		-1.6	
Chrysene	1.204	1.179		-2.1	
Bis(2-ethylhexyl)phthalate	0.782	0.881		12.7	
Di-n-octyl phthalate	1.475	1.717		16.4	20.0
Benzo(b)fluoranthene	1.157	1.101		-4.8	
Benzo(k)fluoranthene	1.083	1.058		-2.3	
Benzo(a)pyrene	1.118	1.086		-2.9	20.0
Indeno(1,2,3-cd)pyrene	1.523	1.452		-4.7	
Dibenzo(a,h)anthracene	1.238	1.181		-4.6	
Benzo(g,h,i)perylene	1.234	1.161		-5.9	
1,2,4,5-Tetrachlorobenzene	0.590	0.572		-3.1	
1,4-Dioxane	0.480	0.441		-8.1	20.0
2,3,4,6-Tetrachlorophenol	0.326	0.318		-2.5	

All other compounds must meet a minimum RRF of 0.010.

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LAB CHRONICLE

OrderID:	Q2514	**OrderDate:**	7/3/2025 1:29:00 PM
Client:	CDM Smith	**Project:**	South River WM Replacement
Contact:	Marcie Ann Encinas	**Location:**	O21,O22,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2514-01	**TP-92**	**SOIL**			**07/02/25**			**07/03/25**
			Diesel Range Organics	8015D		07/08/25	07/08/25	
			Gasoline Range Organics	8015D			07/09/25	
			Herbicide	8151A		07/08/25	07/10/25	
			PCB	8082A		07/07/25	07/08/25	
			Pesticide-TCL	8081B		07/07/25	07/07/25	
Q2514-02	**TP-93**	**SOIL**			**07/02/25**			**07/03/25**
			Diesel Range Organics	8015D		07/08/25	07/08/25	
			Gasoline Range Organics	8015D			07/09/25	
			Herbicide	8151A		07/08/25	07/10/25	
			PCB	8082A		07/07/25	07/08/25	
			Pesticide-TCL	8081B		07/07/25	07/07/25	
Q2514-03	**TP-94**	**SOIL**			**07/02/25**			**07/03/25**
			Diesel Range Organics	8015D		07/08/25	07/08/25	
			Gasoline Range Organics	8015D			07/09/25	
			Herbicide	8151A		07/08/25	07/10/25	
			PCB	8082A		07/07/25	07/08/25	
			Pesticide-TCL	8081B		07/07/25	07/07/25	
Q2514-04	**TP-96**	**SOIL**			**07/02/25**			**07/03/25**
			Diesel Range Organics	8015D		07/08/25	07/08/25	
			Gasoline Range Organics	8015D			07/09/25	
			Herbicide	8151A		07/08/25	07/10/25	
			PCB	8082A		07/07/25	07/08/25	
			Pesticide-TCL	8081B		07/07/25	07/07/25	
Q2514-05	**TP-97**	**SOIL**			**07/02/25**			**07/03/25**
			Diesel Range Organics	8015D		07/08/25	07/08/25	
			Gasoline Range Organics	8015D			07/09/25	

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LAB CHRONICLE

			Herbicide	8151A		07/08/25	07/10/25
			PCB	8082A		07/07/25	07/08/25
			Pesticide-TCL	8081B		07/07/25	07/07/25
Q2514-06	**TP-103**	**SOIL**			**07/02/25**		**07/03/25**
			Diesel Range Organics	8015D		07/08/25	07/08/25
			Gasoline Range Organics	8015D			07/09/25
			Herbicide	8151A		07/08/25	07/10/25
			PCB	8082A		07/07/25	07/08/25
			Pesticide-TCL	8081B		07/07/25	07/07/25
Q2514-07	**TP-36**	**SOIL**			**07/03/25**		**07/03/25**
			Diesel Range Organics	8015D		07/08/25	07/08/25
			Gasoline Range Organics	8015D			07/09/25
			Herbicide	8151A		07/08/25	07/10/25
			PCB	8082A		07/07/25	07/08/25
			Pesticide-TCL	8081B		07/07/25	07/07/25
Q2514-08	**TP-78**	**SOIL**			**07/03/25**		**07/03/25**
			Diesel Range Organics	8015D		07/08/25	07/08/25
			Gasoline Range Organics	8015D			07/09/25
			Herbicide	8151A		07/08/25	07/10/25
			PCB	8082A		07/07/25	07/08/25
			Pesticide-TCL	8081B		07/07/25	07/07/25
Q2514-09	**TP-81**	**SOIL**			**07/03/25**		**07/03/25**
			Diesel Range Organics	8015D		07/08/25	07/08/25
			Gasoline Range Organics	8015D			07/09/25
			Herbicide	8151A		07/08/25	07/10/25
			PCB	8082A		07/07/25	07/08/25
			Pesticide-TCL	8081B		07/07/25	07/07/25
Q2514-10	**TP-90**	**SOIL**			**07/03/25**		**07/03/25**
			Diesel Range Organics	8015D		07/08/25	07/08/25
			Gasoline Range Organics	8015D			07/09/25
			Herbicide	8151A		07/08/25	07/10/25
			PCB	8082A		07/07/25	07/08/25
			Pesticide-TCL	8081B		07/07/25	07/07/25
Q2514-10RE	**TP-90RE**	**SOIL**			**07/03/25**		**07/03/25**

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LAB CHRONICLE

Herbicide	8151A	07/08/25	07/11/25

SAMPLE DATA

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-92	SDG No.:	Q2514
Lab Sample ID:	Q2514-01	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	87.4 Decanted:
Sample Wt/Vol:	5.2 Units: g	Final Vol:	5 mL
Soil Aliquot Vol:	uL	Test:	Gasoline Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
FB032046.D	1	07/09/25 16:42	FB070925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	11.0	J	9.00	50.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	16.6		50 - 150	83%	SPK: 20

Comments:

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

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-93	SDG No.:	Q2514
Lab Sample ID:	Q2514-02	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	87.7 Decanted:
Sample Wt/Vol:	5 Units: g	Final Vol:	5 mL
Soil Aliquot Vol:	uL	Test:	Gasoline Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
FB032045.D	1	07/09/25 16:15	FB070925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	15.0	J	9.00	51.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	16.5		50 - 150	82%	SPK: 20

Comments:

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

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-94	SDG No.:	Q2514
Lab Sample ID:	Q2514-03	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	88.1 Decanted:
Sample Wt/Vol:	4.6 Units: g	Final Vol:	5 mL
Soil Aliquot Vol:	uL	Test:	Gasoline Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
FB032049.D	1	07/09/25 18:05	FB070925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	10.0	U	10.0	56.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	8.11	*	50 - 150	41%	SPK: 20

Comments:

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

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-96	SDG No.:	Q2514
Lab Sample ID:	Q2514-04	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	85.8 Decanted:
Sample Wt/Vol:	4.6 Units: g	Final Vol:	5 mL
Soil Aliquot Vol:	uL	Test:	Gasoline Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
FB032050.D	1	07/09/25 18:32	FB070925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	10.0	U	10.0	57.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	16.7		50 - 150	83%	SPK: 20

Comments:

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

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-97	SDG No.:	Q2514
Lab Sample ID:	Q2514-05	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	85 Decanted:
Sample Wt/Vol:	6.5 Units: g	Final Vol:	5 mL
Soil Aliquot Vol:	uL	Test:	Gasoline Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
FB032051.D	1	07/09/25 19:00	FB070925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	13.0	J	7.00	41.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	16.2		50 - 150	81%	SPK: 20

Comments:

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

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-103	SDG No.:	Q2514
Lab Sample ID:	Q2514-06	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	86.5 Decanted:
Sample Wt/Vol:	5.3 Units: g	Final Vol:	5 mL
Soil Aliquot Vol:	uL	Test:	Gasoline Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
FB032052.D	1	07/09/25 19:27	FB070925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	9.00	U	9.00	49.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	16.2		50 - 150	81%	SPK: 20

Comments:

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

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/03/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-36	SDG No.:	Q2514
Lab Sample ID:	Q2514-07	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	90.3 Decanted:
Sample Wt/Vol:	4 Units: g	Final Vol:	5 mL
Soil Aliquot Vol:	uL	Test:	Gasoline Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
FB032048.D	1	07/09/25 17:37	FB070925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	11.0	U	11.0	62.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	17.7		50 - 150	89%	SPK: 20

Comments:

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

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/03/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-78	SDG No.:	Q2514
Lab Sample ID:	Q2514-08	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	86.3 Decanted:
Sample Wt/Vol:	5.2 Units: g	Final Vol:	5 mL
Soil Aliquot Vol:	uL	Test:	Gasoline Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
FB032047.D	1	07/09/25 17:10	FB070925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	9.00	U	9.00	50.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	18.2		50 - 150	91%	SPK: 20

Comments:

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

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/03/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-81	SDG No.:	Q2514
Lab Sample ID:	Q2514-09	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	86.3 Decanted:
Sample Wt/Vol:	5 Units: g	Final Vol:	5 mL
Soil Aliquot Vol:	uL	Test:	Gasoline Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
FB032054.D	1	07/09/25 20:21	FB070925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	10.0	U	10.0	52.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	15.8		50 - 150	79%	SPK: 20

Comments:

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

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/03/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-90	SDG No.:	Q2514
Lab Sample ID:	Q2514-10	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	91.6 Decanted:
Sample Wt/Vol:	4.2 Units: g	Final Vol:	5 mL
Soil Aliquot Vol:	uL	Test:	Gasoline Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
FB032053.D	1	07/09/25 19:54	FB070925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	11.0	U	11.0	58.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	17.4		50 - 150	87%	SPK: 20

Comments:

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

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

QC SUMMARY

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SOIL GASOLINE RANGE ORGANICS SURROGATE RECOVERY

Lab Name: Alliance Client: CDM Smith

Lab Code: ACE SDG No.: Q2514

CLIENT ID	S1 AAA-TFT	S2	S3	S4	TOT OUT
VBF0709S1	114				0
BSF0709S1	85				0
BSF0709S2	87				0
TP-93	82				0
TP-92	83				0
TP-78	91				0
TP-36	89				0
TP-94	41 *				1
TP-96	83				0
TP-97	81				0
TP-103	81				0
TP-90	87				0
TP-81	79				0

	QC LIMITS
AAA-TFT	For Water : 50-150 For Soil : 50-150

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate Diluted Out

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SOIL GASOLINE RANGE ORGANICS LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATI

Lab Name: Alliance **Client:** CDM Smith

Lab Code: ACE **SDG No:** Q2514

Client Sample ID : BSF0709S1 **Datafile:** FB032036.D

COMPOUND	SPIKE ADDED ug/kg	CONCENTRATION ug/kg	LCS/LCSD CONCENTRATION ug/kg	% REC	QC LIMITS (%)
GRO	180	0	151	84	50-150

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SOIL GASOLINE RANGE ORGANICS LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATI

Lab Name: Alliance **Client:** CDM Smith

Lab Code: ACE **SDG No:** Q2514

Client Sample ID : BSF0709S2 **Datafile:** FB032043.D

COMPOUND	SPIKE ADDED ug/kg	CONCENTRATION ug/kg	LCS/LCSD CONCENTRATION ug/kg	% REC	QC LIMITS (%)
GRO	180	0	149	83	50-150

LCS/LCSD % Recovery RPD : 1.3

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METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

VBF0709S1

Lab Name: Alliance Contract: CAMP02

Lab Code: ACE SDG NO.: Q2514

Lab File ID: FB032034.D Lab Sample ID: VBF0709S1

Date Analyzed: 07/09/25 Time Analyzed: 9:18

GC Column: RTX-502.2 ID: 0.53 (mm) Heated Purge: (Y/N) Y

Instrument ID: FB

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
BSF0709S1	BSF0709S1	FB032036.D	07/09/25
BSF0709S2	BSF0709S2	FB032043.D	07/09/25
TP-93	Q2514-02	FB032045.D	07/09/25
TP-92	Q2514-01	FB032046.D	07/09/25
TP-78	Q2514-08	FB032047.D	07/09/25
TP-36	Q2514-07	FB032048.D	07/09/25
TP-94	Q2514-03	FB032049.D	07/09/25
TP-96	Q2514-04	FB032050.D	07/09/25
TP-97	Q2514-05	FB032051.D	07/09/25
TP-103	Q2514-06	FB032052.D	07/09/25
TP-90	Q2514-10	FB032053.D	07/09/25
TP-81	Q2514-09	FB032054.D	07/09/25

COMMENTS:

QC SAMPLE DATA

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VBF0709S1	SDG No.:	Q2514
Lab Sample ID:	VBF0709S1	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	100 Decanted:
Sample Wt/Vol:	5 Units: g	Final Vol:	5 mL
Soil Aliquot Vol:	uL	Test:	Gasoline Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
FB032034.D	1	07/09/25 9:18	FB070925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	8.00	U	8.00	45.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	22.7		50 - 150	114%	SPK: 20

Comments:

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

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	BSF0709S1	SDG No.:	Q2514
Lab Sample ID:	BSF0709S1	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	100 Decanted:
Sample Wt/Vol:	5 Units: g	Final Vol:	5 mL
Soil Aliquot Vol:	uL	Test:	Gasoline Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
FB032036.D	1	07/09/25 10:13	FB070925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	151		8.00	45.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	17.0		50 - 150	85%	SPK: 20

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:	BSF0709S2	SDG No.:	Q2514
Lab Sample ID:	BSF0709S2	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	100 Decanted:
Sample Wt/Vol:	5 Units: g	Final Vol:	5 mL
Soil Aliquot Vol:	uL	Test:	Gasoline Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
FB032043.D	1	07/09/25 13:42	FB070925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	149		8.00	45.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	17.4		50 - 150	87%	SPK: 20

Comments:

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

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

CALIBRATION SUMMARY

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GASOLINE RANGE ORGANICS INITIAL CALIBRATION SUMMARY

Lab Name: Alliance
Contract: CAMP02
ProjectID: South River WM Replacement
Lab Code: ACE
SDG No.: Q2514

Calibration Sequence : FB062325		Test : Gasoline Range Organics	
Concentration (PPB)	**Area Count**	**Reference Factor**	**File ID**
45	1490557	33123	FB031909.D
90	2566530	28517	FB031910.D
180	5166210	28701	FB031911.D
450	12609856	28022	FB031912.D
900	27368301	30409	FB031913.D

AVG RF : 29754 **% RSD : 7.013** **AVG RT : 8.798**

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GASOLINE RANGE ORGANICS CONTINUING CALIBRATION SUMMARY

20 PPB GRO STD

Lab Name: Alliane Contract: CAMP02

ProjectID: South River WM Replacement

Lab Code: ACE SDG No.: Q2514

DataFile: FB032033.D Analyst Name: YP/AJ Analyst Date: 07-09-2025

Conc. (PPB)	Area Count	RF	Average RF	%D
180	4590295	25502	29754	14.291

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GASOLINE RANGE ORGANICS CONTINUING CALIBRATION SUMMARY

20 PPB GRO STD

Lab Name: Alliane Contract: CAMP02

ProjectID: South River WM Replacement

Lab Code: ACE SDG No.: Q2514

DataFile: FB032044.D Analyst Name: YP/AJ Analyst Date: 07-09-2025

Conc. (PPB)	Area Count	RF	Average RF	%D
180	4650509	25836	29754	13.168

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GASOLINE RANGE ORGANICS CONTINUING CALIBRATION SUMMARY

20 PPB GRO STD

Lab Name: Alliane Contract: CAMP02

ProjectID: South River WM Replacement

Lab Code: ACE SDG No.: Q2514

DataFile: FB032058.D Analyst Name: YP/AJ Analyst Date: 07-09-2025

Conc. (PPB)	Area Count	RF	Average RF	%D
180	4564441	25358	29754	14.774

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Analytical Sequence

Client: CDM Smith **SDG No.:** Q2514

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

GC Column: RTX-502.2 **ID:** 0.53 **(mm)**

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

MEAN SUROGATE RT FROM INITIAL CALIBRATION **8.798**

CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE AND TIME ANALYZED	DATAFILE	RT	#
20 PPB GRO STD	20 PPB GRO STD	9 Jul 2025 8:12	FB032033.D	8.799	
VBF0709S1	VBF0709S1	9 Jul 2025 9:18	FB032034.D	8.798	
BSF0709S1	BSF0709S1	9 Jul 2025 10:13	FB032036.D	8.798	
BSF0709S2	BSF0709S2	9 Jul 2025 13:42	FB032043.D	8.799	
20 PPB GRO STD	20 PPB GRO STD	9 Jul 2025 15:30	FB032044.D	8.801	
TP-93	Q2514-02	9 Jul 2025 16:15	FB032045.D	8.801	
TP-92	Q2514-01	9 Jul 2025 16:42	FB032046.D	8.800	
TP-78	Q2514-08	9 Jul 2025 17:10	FB032047.D	8.802	
TP-36	Q2514-07	9 Jul 2025 17:37	FB032048.D	8.803	
TP-94	Q2514-03	9 Jul 2025 18:05	FB032049.D	8.801	
TP-96	Q2514-04	9 Jul 2025 18:32	FB032050.D	8.802	
TP-97	Q2514-05	9 Jul 2025 19:00	FB032051.D	8.800	
TP-103	Q2514-06	9 Jul 2025 19:27	FB032052.D	8.800	
TP-90	Q2514-10	9 Jul 2025 19:54	FB032053.D	8.802	
TP-81	Q2514-09	9 Jul 2025 20:21	FB032054.D	8.800	
20 PPB GRO STD	20 PPB GRO STD	9 Jul 2025 22:10	FB032058.D	8.799	

Column used to flag RT values with an * values outside of QC limits

QC Limits	Lower Limit	Upper Limits
(± 0.10 minutes)	8.698	8.898

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB070825\
Data File : FB032030.D
Signal(s) : FID2B.CH
Acq On : 8 Jul 2025 22:40
Operator : YP/AJ
Sample : Q2514-03
Misc : 4.00G/5.00 ML DI WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-94

Integration File: SAMPLE.e
Quant Time: Jul 09 05:42:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB062325.M
Quant Title :
QLast Update : Mon Jun 23 13:56:54 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 g/ml
Signal Phase : RTX-502.2
Signal Info : 60mx0.53mmx3.00um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
5) s AAA-TFT	8.799	234096	15.174 ng/ml
Target Compounds			

(f)=RT Delta > 1/2 Window (m)=manual int.

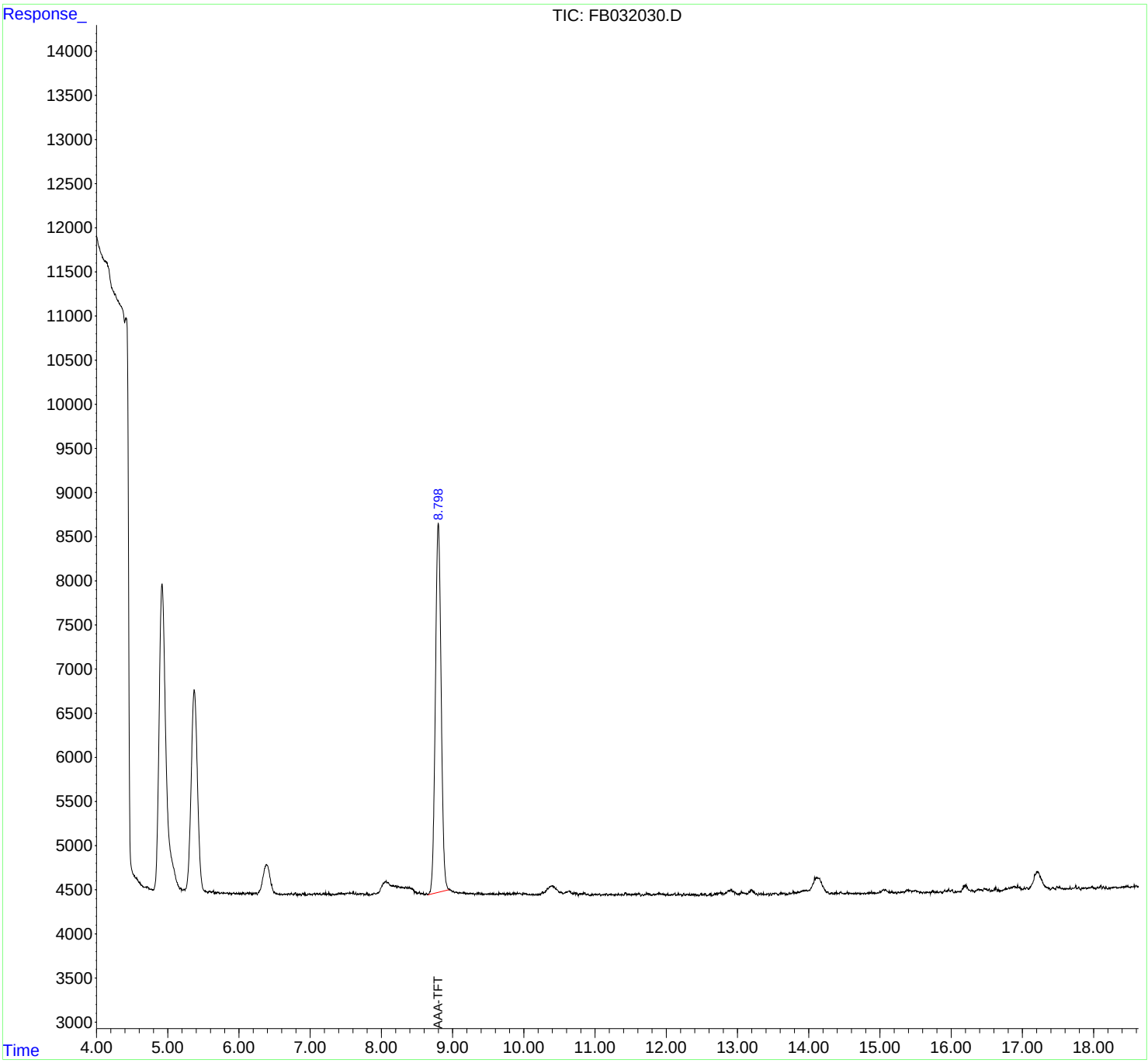
Quantitation Report (QT Reviewed)

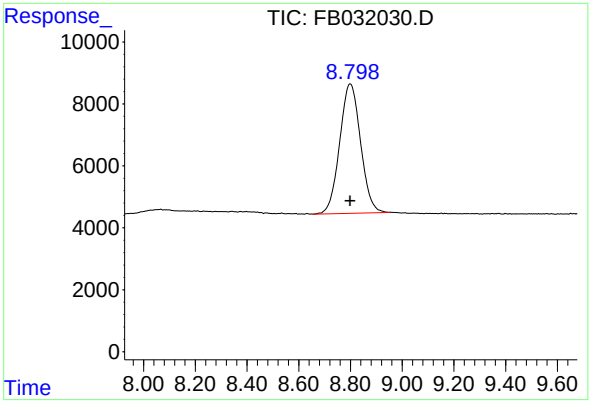
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB070825\
Data File : FB032030.D
Signal(s) : FID2B.CH
Acq On : 8 Jul 2025 22:40
Operator : YP/AJ
Sample : Q2514-03
Misc : 4.00G/5.00 ML DI WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
TP-94

Integration File: SAMPLE.e
Quant Time: Jul 09 05:42:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB062325.M
Quant Title :
QLast Update : Mon Jun 23 13:56:54 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 g/ml
Signal Phase : RTX-502.2
Signal Info : 60mx0.53mmx3.00um





#5 AAA-TFT

R.T.: 8.799 min
Delta R.T.: 0.002 min
Response: 234096
Conc: 15.17 ng/ml

Instrument :
FID_B
ClientSampleId :
TP-94

A
B
C
D
E
F
G

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB070825\
Data File : FB032030.D
Signal(s) : FID2B.CH
Acq On : 8 Jul 2025 22:40
Sample : Q2514-03
Misc : 4.00G/5.00 ML DI WATER
ALS Vial : 23 Sample Multiplier: 1

Integration File: SAMPLE.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB062325.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	% max.	% of total
1	4.688	4.637	4.707	BV	4	15	0.01%	0.003%
2	4.714	4.707	4.753	VV	18	248	0.10%	0.055%
3	4.767	4.753	4.801	PV	10	77	0.03%	0.017%
4	5.233	5.214	5.244	VV	30	439	0.18%	0.097%
5	5.592	5.567	5.614	VV	26	496	0.20%	0.110%
6	5.640	5.614	5.664	VV	26	494	0.20%	0.109%
7	5.674	5.664	5.686	VV	18	144	0.06%	0.032%
8	5.702	5.686	5.734	VV	15	349	0.14%	0.077%
9	5.754	5.734	5.773	VV	16	250	0.10%	0.055%
10	5.780	5.773	5.817	VV	23	329	0.13%	0.073%
11	5.836	5.817	5.859	VV	17	302	0.12%	0.067%
12	5.871	5.859	5.900	PV	19	282	0.12%	0.063%
13	5.928	5.900	5.957	VV	22	400	0.16%	0.089%
14	5.964	5.957	6.015	VV	20	370	0.15%	0.082%
15	6.048	6.015	6.087	VV	22	514	0.21%	0.114%
16	6.148	6.087	6.180	VV	24	823	0.34%	0.182%
17	6.217	6.180	6.257	VV	24	633	0.26%	0.140%
18	6.386	6.257	6.581	VV	346	25037	10.25%	5.553%
19	6.593	6.581	6.609	VV	15	149	0.06%	0.033%
20	6.638	6.609	6.686	VV	15	429	0.18%	0.095%
21	6.696	6.686	6.718	VV	18	271	0.11%	0.060%
22	6.735	6.718	6.765	VV	20	398	0.16%	0.088%
23	6.794	6.765	6.842	VV	31	628	0.26%	0.139%

24	6.927	6.842	6.961	VV	32	788	0.32%	0.175%
25	6.991	6.961	7.031	VV	24	511	0.21%	0.113%
26	7.102	7.031	7.120	VV	28	898	0.37%	0.199%
27	7.132	7.120	7.162	VV	21	367	0.15%	0.081%
28	7.192	7.162	7.206	VV	33	454	0.19%	0.101%
29	7.264	7.206	7.299	VV	36	940	0.39%	0.209%
30	7.321	7.299	7.351	PV	19	406	0.17%	0.090%
31	7.435	7.351	7.454	VV	37	1332	0.55%	0.295%
32	7.556	7.454	7.590	VV	37	2155	0.88%	0.478%
33	7.609	7.590	7.625	VV	51	636	0.26%	0.141%
34	7.641	7.625	7.684	VV	35	714	0.29%	0.158%
35	7.739	7.684	7.772	VV	28	1067	0.44%	0.237%
36	7.796	7.772	7.849	VV	31	790	0.32%	0.175%
37	7.900	7.849	7.919	VV	31	872	0.36%	0.193%
38	8.065	7.919	8.189	VV	169	17016	6.97%	3.774%
39	8.201	8.189	8.327	VV	113	8235	3.37%	1.826%
40	8.342	8.327	8.512	VV	105	8004	3.28%	1.775%
41	8.534	8.512	8.623	VV	48	1742	0.71%	0.386%
42	8.634	8.623	8.657	VV	29	395	0.16%	0.088%
43	8.799	8.657	9.028	VV	4220	244182	100.00%	54.156%
44	9.046	9.028	9.138	VV	45	2459	1.01%	0.545%
45	9.152	9.138	9.233	VV	45	1700	0.70%	0.377%
46	9.287	9.233	9.310	VV	31	1230	0.50%	0.273%
47	9.349	9.310	9.451	VV	37	2093	0.86%	0.464%
48	9.466	9.451	9.483	VV	24	406	0.17%	0.090%
49	9.528	9.483	9.542	VV	28	774	0.32%	0.172%
50	9.558	9.542	9.592	VV	33	659	0.27%	0.146%
51	9.654	9.592	9.748	VV	37	2067	0.85%	0.458%
52	9.766	9.748	9.823	VV	38	1068	0.44%	0.237%
53	9.867	9.823	9.928	VV	35	1712	0.70%	0.380%
54	9.941	9.928	9.981	VV	34	814	0.33%	0.181%
55	9.991	9.981	10.061	VV	36	1107	0.45%	0.246%
56	10.076	10.061	10.101	VV	19	375	0.15%	0.083%
57	10.116	10.101	10.155	VV	21	523	0.21%	0.116%
58	10.170	10.155	10.187	VV	21	292	0.12%	0.065%
59	10.264	10.187	10.282	VV	52	1482	0.61%	0.329%
60	10.397	10.282	10.553	VV	112	12075	4.95%	2.678%
61	10.636	10.553	10.763	VV	58	4808	1.97%	1.066%
62	10.791	10.763	10.825	VV	30	883	0.36%	0.196%

63	10.858	10.825	10.876	VV	42	851	0.35%	0.189%
64	10.888	10.876	10.930	VV	21	524	0.21%	0.116%
65	10.990	10.930	11.031	VV	25	995	0.41%	0.221%
66	11.065	11.031	11.084	VV	29	583	0.24%	0.129%
67	11.162	11.084	11.182	VV	25	1045	0.43%	0.232%
68	11.228	11.182	11.284	VV	28	1031	0.42%	0.229%
69	11.293	11.284	11.315	VV	26	325	0.13%	0.072%
70	11.328	11.315	11.368	VV	27	549	0.22%	0.122%
71	11.429	11.368	11.464	VV	39	1218	0.50%	0.270%
72	11.486	11.464	11.507	VV	20	472	0.19%	0.105%
73	11.560	11.507	11.582	VV	27	853	0.35%	0.189%
74	11.614	11.582	11.646	VV	38	835	0.34%	0.185%
75	11.664	11.646	11.682	PV	20	276	0.11%	0.061%
76	11.721	11.682	11.796	VV	39	1462	0.60%	0.324%
77	11.820	11.796	11.841	VV	27	467	0.19%	0.104%
78	11.899	11.841	11.993	VV	43	2106	0.86%	0.467%
79	12.022	11.993	12.061	VV	19	629	0.26%	0.139%
80	12.078	12.061	12.097	VV	16	356	0.15%	0.079%
81	12.120	12.097	12.152	VV	28	659	0.27%	0.146%
82	12.170	12.152	12.184	VV	27	393	0.16%	0.087%
83	12.200	12.184	12.220	VV	23	361	0.15%	0.080%
84	12.246	12.220	12.277	PV	33	553	0.23%	0.123%
85	12.327	12.277	12.339	VV	26	617	0.25%	0.137%
86	12.389	12.339	12.424	VV	25	788	0.32%	0.175%
87	12.444	12.424	12.461	VV	19	241	0.10%	0.054%
88	12.485	12.461	12.523	VV	31	602	0.25%	0.133%
89	12.549	12.523	12.573	VV	29	516	0.21%	0.114%
90	12.616	12.573	12.643	VV	28	608	0.25%	0.135%
91	12.712	12.643	12.784	PV	40	2056	0.84%	0.456%
92	12.795	12.784	12.810	VV	35	402	0.16%	0.089%
93	12.912	12.810	13.046	VV	77	5575	2.28%	1.236%
94	13.056	13.046	13.130	VV	43	1530	0.63%	0.339%
95	13.198	13.130	13.287	VV	66	3432	1.41%	0.761%
96	13.303	13.287	13.314	PV	27	247	0.10%	0.055%
97	13.363	13.314	13.413	VV	32	999	0.41%	0.222%
98	13.429	13.413	13.449	VV	23	304	0.12%	0.068%
99	13.462	13.449	13.478	VV	28	252	0.10%	0.056%
100	13.501	13.478	13.516	VV	22	396	0.16%	0.088%
101	13.541	13.516	13.577	VV	28	657	0.27%	0.146%

102	13.610	13.577	13.678	VV	32	1188	0.49%	0.263%
103	13.726	13.678	13.757	VV	29	707	0.29%	0.157%
104	13.783	13.757	13.875	VV	49	2149	0.88%	0.477%
105	13.968	13.875	13.985	VV	55	3092	1.27%	0.686%
106	14.120	13.985	14.293	VV	196	19615	8.03%	4.350%
107	14.326	14.293	14.342	VV	23	464	0.19%	0.103%
108	14.387	14.342	14.414	VV	37	682	0.28%	0.151%
109	14.451	14.414	14.514	VV	33	933	0.38%	0.207%
110	14.542	14.514	14.630	VV	31	909	0.37%	0.202%
111	14.702	14.630	14.735	VV	17	673	0.28%	0.149%
112	14.752	14.735	14.772	PV	15	189	0.08%	0.042%
113	14.782	14.772	14.799	VV	18	143	0.06%	0.032%
114	14.880	14.799	14.950	VV	30	1081	0.44%	0.240%
115	15.052	14.950	15.069	VV	54	1954	0.80%	0.433%
116	15.080	15.069	15.153	VV	50	1434	0.59%	0.318%
117	15.168	15.153	15.197	VV	29	410	0.17%	0.091%
118	15.219	15.197	15.236	VV	15	250	0.10%	0.055%
119	15.256	15.236	15.281	VV	23	347	0.14%	0.077%
120	15.379	15.281	15.447	VV	47	2626	1.08%	0.582%
121	15.501	15.447	15.601	VV	36	1944	0.80%	0.431%
122	15.615	15.601	15.650	VV	17	282	0.12%	0.062%
123	15.742	15.650	15.773	VV	34	912	0.37%	0.202%
124	15.794	15.773	15.824	VV	18	346	0.14%	0.077%
125	15.847	15.824	15.876	VV	18	264	0.11%	0.058%
126	15.910	15.876	15.931	VV	30	572	0.23%	0.127%
127	15.967	15.931	15.991	VV	45	906	0.37%	0.201%
128	16.016	15.991	16.042	VV	37	610	0.25%	0.135%
129	16.196	16.042	16.277	PV	77	4499	1.84%	0.998%
130	16.291	16.277	16.333	VV	30	549	0.22%	0.122%
131	16.385	16.333	16.447	PV	31	1500	0.61%	0.333%
132	16.465	16.447	16.518	VV	38	1234	0.51%	0.274%
133	16.535	16.518	16.558	VV	35	397	0.16%	0.088%
134	16.628	16.558	16.689	VV	48	1157	0.47%	0.257%

Sum of corrected areas: 450891

FB062325.M Wed Jul 16 05:55:52 2025

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LAB CHRONICLE

OrderID:	Q2514	**OrderDate:**	7/3/2025 1:29:00 PM
Client:	CDM Smith	**Project:**	South River WM Replacement
Contact:	Marcie Ann Encinas	**Location:**	O21,O22,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2514-01	**TP-92**	**SOIL**			**07/02/25**			**07/03/25**
			Pesticide-TCL	8081B		07/07/25	07/07/25	
Q2514-02	**TP-93**	**SOIL**			**07/02/25**			**07/03/25**
			Pesticide-TCL	8081B		07/07/25	07/07/25	
Q2514-03	**TP-94**	**SOIL**			**07/02/25**			**07/03/25**
			Pesticide-TCL	8081B		07/07/25	07/07/25	
Q2514-04	**TP-96**	**SOIL**			**07/02/25**			**07/03/25**
			Pesticide-TCL	8081B		07/07/25	07/07/25	
Q2514-05	**TP-97**	**SOIL**			**07/02/25**			**07/03/25**
			Pesticide-TCL	8081B		07/07/25	07/07/25	
Q2514-06	**TP-103**	**SOIL**			**07/02/25**			**07/03/25**
			Pesticide-TCL	8081B		07/07/25	07/07/25	
Q2514-07	**TP-36**	**SOIL**			**07/03/25**			**07/03/25**
			Pesticide-TCL	8081B		07/07/25	07/07/25	
Q2514-08	**TP-78**	**SOIL**			**07/03/25**			**07/03/25**
			Pesticide-TCL	8081B		07/07/25	07/07/25	
Q2514-09	**TP-81**	**SOIL**			**07/03/25**			**07/03/25**
			Pesticide-TCL	8081B		07/07/25	07/07/25	
Q2514-10	**TP-90**	**SOIL**			**07/03/25**			**07/03/25**
			Pesticide-TCL	8081B		07/07/25	07/07/25	

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

Hit Summary Sheet
SW-846

SDG No.: Q2514 **Order ID:** Q2514

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

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID :	**TP-93**							
Q2514-02	TP-93	SOIL	alpha-Chlordane	0.36	J	0.14	1.90	ug/kg
Q2514-02	TP-93	SOIL	gamma-Chlordane	0.19	J	0.17	1.90	ug/kg
			Total Concentration:	**0.550**				
Client ID :	**TP-94**							
Q2514-03	TP-94	SOIL	4,4-DDE	0.42	JP	0.16	1.90	ug/kg
Q2514-03	TP-94	SOIL	4,4-DDT	0.55	J	0.16	1.90	ug/kg
			Total Concentration:	**0.970**				
Client ID :	**TP-96**							
Q2514-04	TP-96	SOIL	4,4-DDT	0.33	J	0.16	2.00	ug/kg
			Total Concentration:	**0.330**				
Client ID :	**TP-97**							
Q2514-05	TP-97	SOIL	4,4-DDT	0.27	J	0.16	2.00	ug/kg
			Total Concentration:	**0.270**				

SAMPLE DATA

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-92	SDG No.:	Q2514
Lab Sample ID:	Q2514-01	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	87.4 Decanted:
Sample Wt/Vol:	30.07 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089360.D	1	07/07/25 08:30	07/07/25 17:56	PB168736

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.15	U	0.15	1.90	ug/kg
319-85-7	beta-BHC	0.21	U	0.21	1.90	ug/kg
319-86-8	delta-BHC	0.45	U	0.45	1.90	ug/kg
58-89-9	gamma-BHC (Lindane)	0.16	U	0.16	1.90	ug/kg
76-44-8	Heptachlor	0.14	U	0.14	1.90	ug/kg
309-00-2	Aldrin	0.14	U	0.14	1.90	ug/kg
1024-57-3	Heptachlor epoxide	0.22	U	0.22	1.90	ug/kg
959-98-8	Endosulfan I	0.16	U	0.16	1.90	ug/kg
60-57-1	Dieldrin	0.16	U	0.16	1.90	ug/kg
72-55-9	4,4-DDE	0.16	U	0.16	1.90	ug/kg
72-20-8	Endrin	0.16	U	0.16	1.90	ug/kg
33213-65-9	Endosulfan II	0.33	U	0.33	1.90	ug/kg
72-54-8	4,4-DDD	0.17	U	0.17	1.90	ug/kg
1031-07-8	Endosulfan Sulfate	0.15	U	0.15	1.90	ug/kg
50-29-3	4,4-DDT	0.16	U	0.16	1.90	ug/kg
72-43-5	Methoxychlor	0.42	U	0.42	1.90	ug/kg
53494-70-5	Endrin ketone	0.22	U	0.22	1.90	ug/kg
7421-93-4	Endrin aldehyde	0.42	U	0.42	1.90	ug/kg
5103-71-9	alpha-Chlordane	0.14	U	0.14	1.90	ug/kg
5103-74-2	gamma-Chlordane	0.17	U	0.17	1.90	ug/kg
8001-35-2	Toxaphene	6.20	U	6.20	37.7	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	8.74		20 - 144	44%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.2		19 - 148	91%	SPK: 20

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-92	SDG No.:	Q2514
Lab Sample ID:	Q2514-01	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	87.4 Decanted:
Sample Wt/Vol:	30.07 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089360.D	1	07/07/25 08:30	07/07/25 17:56	PB168736

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

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

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-93	SDG No.:	Q2514
Lab Sample ID:	Q2514-02	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	87.7 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089363.D	1	07/07/25 08:30	07/07/25 18:37	PB168736

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.15	U	0.15	1.90	ug/kg
319-85-7	beta-BHC	0.21	U	0.21	1.90	ug/kg
319-86-8	delta-BHC	0.44	U	0.44	1.90	ug/kg
58-89-9	gamma-BHC (Lindane)	0.16	U	0.16	1.90	ug/kg
76-44-8	Heptachlor	0.14	U	0.14	1.90	ug/kg
309-00-2	Aldrin	0.14	U	0.14	1.90	ug/kg
1024-57-3	Heptachlor epoxide	0.22	U	0.22	1.90	ug/kg
959-98-8	Endosulfan I	0.16	U	0.16	1.90	ug/kg
60-57-1	Dieldrin	0.16	U	0.16	1.90	ug/kg
72-55-9	4,4-DDE	0.16	U	0.16	1.90	ug/kg
72-20-8	Endrin	0.16	U	0.16	1.90	ug/kg
33213-65-9	Endosulfan II	0.33	U	0.33	1.90	ug/kg
72-54-8	4,4-DDD	0.17	U	0.17	1.90	ug/kg
1031-07-8	Endosulfan Sulfate	0.15	U	0.15	1.90	ug/kg
50-29-3	4,4-DDT	0.16	U	0.16	1.90	ug/kg
72-43-5	Methoxychlor	0.42	U	0.42	1.90	ug/kg
53494-70-5	Endrin ketone	0.22	U	0.22	1.90	ug/kg
7421-93-4	Endrin aldehyde	0.42	U	0.42	1.90	ug/kg
5103-71-9	alpha-Chlordane	0.36	J	0.14	1.90	ug/kg
5103-74-2	gamma-Chlordane	0.19	J	0.17	1.90	ug/kg
8001-35-2	Toxaphene	6.20	U	6.20	37.6	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	8.37		20 - 144	42%	SPK: 20
877-09-8	Tetrachloro-m-xylene	11.9		19 - 148	60%	SPK: 20

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-93	SDG No.:	Q2514
Lab Sample ID:	Q2514-02	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	87.7 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089363.D	1	07/07/25 08:30	07/07/25 18:37	PB168736

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

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

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-94	SDG No.:	Q2514
Lab Sample ID:	Q2514-03	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	88.1 Decanted:
Sample Wt/Vol:	30.08 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089364.D	1	07/07/25 08:30	07/07/25 18:51	PB168736

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.15	U	0.15	1.90	ug/kg
319-85-7	beta-BHC	0.20	U	0.20	1.90	ug/kg
319-86-8	delta-BHC	0.44	U	0.44	1.90	ug/kg
58-89-9	gamma-BHC (Lindane)	0.16	U	0.16	1.90	ug/kg
76-44-8	Heptachlor	0.14	U	0.14	1.90	ug/kg
309-00-2	Aldrin	0.14	U	0.14	1.90	ug/kg
1024-57-3	Heptachlor epoxide	0.22	U	0.22	1.90	ug/kg
959-98-8	Endosulfan I	0.16	U	0.16	1.90	ug/kg
60-57-1	Dieldrin	0.16	U	0.16	1.90	ug/kg
72-55-9	4,4-DDE	0.42	JP	0.16	1.90	ug/kg
72-20-8	Endrin	0.16	U	0.16	1.90	ug/kg
33213-65-9	Endosulfan II	0.33	U	0.33	1.90	ug/kg
72-54-8	4,4-DDD	0.17	U	0.17	1.90	ug/kg
1031-07-8	Endosulfan Sulfate	0.15	U	0.15	1.90	ug/kg
50-29-3	4,4-DDT	0.55	J	0.16	1.90	ug/kg
72-43-5	Methoxychlor	0.42	U	0.42	1.90	ug/kg
53494-70-5	Endrin ketone	0.22	U	0.22	1.90	ug/kg
7421-93-4	Endrin aldehyde	0.42	U	0.42	1.90	ug/kg
5103-71-9	alpha-Chlordane	0.14	U	0.14	1.90	ug/kg
5103-74-2	gamma-Chlordane	0.17	U	0.17	1.90	ug/kg
8001-35-2	Toxaphene	6.10	U	6.10	37.4	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	10.8		20 - 144	54%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.7		19 - 148	94%	SPK: 20

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-94	SDG No.:	Q2514
Lab Sample ID:	Q2514-03	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	88.1 Decanted:
Sample Wt/Vol:	30.08 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089364.D	1	07/07/25 08:30	07/07/25 18:51	PB168736

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

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

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-96	SDG No.:	Q2514
Lab Sample ID:	Q2514-04	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	85.8 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089365.D	1	07/07/25 08:30	07/07/25 19:04	PB168736

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.15	U	0.15	2.00	ug/kg
319-85-7	beta-BHC	0.21	U	0.21	2.00	ug/kg
319-86-8	delta-BHC	0.45	U	0.45	2.00	ug/kg
58-89-9	gamma-BHC (Lindane)	0.16	U	0.16	2.00	ug/kg
76-44-8	Heptachlor	0.14	U	0.14	2.00	ug/kg
309-00-2	Aldrin	0.14	U	0.14	2.00	ug/kg
1024-57-3	Heptachlor epoxide	0.22	U	0.22	2.00	ug/kg
959-98-8	Endosulfan I	0.16	U	0.16	2.00	ug/kg
60-57-1	Dieldrin	0.16	U	0.16	2.00	ug/kg
72-55-9	4,4-DDE	0.16	U	0.16	2.00	ug/kg
72-20-8	Endrin	0.16	U	0.16	2.00	ug/kg
33213-65-9	Endosulfan II	0.34	U	0.34	2.00	ug/kg
72-54-8	4,4-DDD	0.17	U	0.17	2.00	ug/kg
1031-07-8	Endosulfan Sulfate	0.15	U	0.15	2.00	ug/kg
50-29-3	4,4-DDT	0.33	J	0.16	2.00	ug/kg
72-43-5	Methoxychlor	0.43	U	0.43	2.00	ug/kg
53494-70-5	Endrin ketone	0.22	U	0.22	2.00	ug/kg
7421-93-4	Endrin aldehyde	0.43	U	0.43	2.00	ug/kg
5103-71-9	alpha-Chlordane	0.14	U	0.14	2.00	ug/kg
5103-74-2	gamma-Chlordane	0.17	U	0.17	2.00	ug/kg
8001-35-2	Toxaphene	6.30	U	6.30	38.4	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	8.21		20 - 144	41%	SPK: 20
877-09-8	Tetrachloro-m-xylene	12.2		19 - 148	61%	SPK: 20

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-96	SDG No.:	Q2514
Lab Sample ID:	Q2514-04	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	85.8 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089365.D	1	07/07/25 08:30	07/07/25 19:04	PB168736

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

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

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-97	SDG No.:	Q2514
Lab Sample ID:	Q2514-05	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	85 Decanted:
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089366.D	1	07/07/25 08:30	07/07/25 19:18	PB168736

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.15	U	0.15	2.00	ug/kg
319-85-7	beta-BHC	0.21	U	0.21	2.00	ug/kg
319-86-8	delta-BHC	0.46	U	0.46	2.00	ug/kg
58-89-9	gamma-BHC (Lindane)	0.16	U	0.16	2.00	ug/kg
76-44-8	Heptachlor	0.14	U	0.14	2.00	ug/kg
309-00-2	Aldrin	0.14	U	0.14	2.00	ug/kg
1024-57-3	Heptachlor epoxide	0.22	U	0.22	2.00	ug/kg
959-98-8	Endosulfan I	0.16	U	0.16	2.00	ug/kg
60-57-1	Dieldrin	0.16	U	0.16	2.00	ug/kg
72-55-9	4,4-DDE	0.16	U	0.16	2.00	ug/kg
72-20-8	Endrin	0.16	U	0.16	2.00	ug/kg
33213-65-9	Endosulfan II	0.34	U	0.34	2.00	ug/kg
72-54-8	4,4-DDD	0.18	U	0.18	2.00	ug/kg
1031-07-8	Endosulfan Sulfate	0.15	U	0.15	2.00	ug/kg
50-29-3	4,4-DDT	0.27	J	0.16	2.00	ug/kg
72-43-5	Methoxychlor	0.43	U	0.43	2.00	ug/kg
53494-70-5	Endrin ketone	0.22	U	0.22	2.00	ug/kg
7421-93-4	Endrin aldehyde	0.43	U	0.43	2.00	ug/kg
5103-71-9	alpha-Chlordane	0.14	U	0.14	2.00	ug/kg
5103-74-2	gamma-Chlordane	0.18	U	0.18	2.00	ug/kg
8001-35-2	Toxaphene	6.40	U	6.40	38.8	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	13.1		20 - 144	66%	SPK: 20
877-09-8	Tetrachloro-m-xylene	17.0		19 - 148	85%	SPK: 20

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-97	SDG No.:	Q2514
Lab Sample ID:	Q2514-05	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	85 Decanted:
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089366.D	1	07/07/25 08:30	07/07/25 19:18	PB168736

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

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

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-103	SDG No.:	Q2514
Lab Sample ID:	Q2514-06	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	86.5 Decanted:
Sample Wt/Vol:	30.04 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089370.D	1	07/07/25 08:30	07/07/25 20:41	PB168736

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.15	U	0.15	2.00	ug/kg
319-85-7	beta-BHC	0.21	U	0.21	2.00	ug/kg
319-86-8	delta-BHC	0.45	U	0.45	2.00	ug/kg
58-89-9	gamma-BHC (Lindane)	0.16	U	0.16	2.00	ug/kg
76-44-8	Heptachlor	0.14	U	0.14	2.00	ug/kg
309-00-2	Aldrin	0.14	U	0.14	2.00	ug/kg
1024-57-3	Heptachlor epoxide	0.22	U	0.22	2.00	ug/kg
959-98-8	Endosulfan I	0.16	U	0.16	2.00	ug/kg
60-57-1	Dieldrin	0.16	U	0.16	2.00	ug/kg
72-55-9	4,4-DDE	0.16	U	0.16	2.00	ug/kg
72-20-8	Endrin	0.16	U	0.16	2.00	ug/kg
33213-65-9	Endosulfan II	0.33	U	0.33	2.00	ug/kg
72-54-8	4,4-DDD	0.17	U	0.17	2.00	ug/kg
1031-07-8	Endosulfan Sulfate	0.15	U	0.15	2.00	ug/kg
50-29-3	4,4-DDT	0.16	U	0.16	2.00	ug/kg
72-43-5	Methoxychlor	0.43	U	0.43	2.00	ug/kg
53494-70-5	Endrin ketone	0.22	U	0.22	2.00	ug/kg
7421-93-4	Endrin aldehyde	0.43	U	0.43	2.00	ug/kg
5103-71-9	alpha-Chlordane	0.14	U	0.14	2.00	ug/kg
5103-74-2	gamma-Chlordane	0.17	U	0.17	2.00	ug/kg
8001-35-2	Toxaphene	6.20	U	6.20	38.1	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	11.4		20 - 144	57%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.1		19 - 148	91%	SPK: 20

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-103	SDG No.:	Q2514
Lab Sample ID:	Q2514-06	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	86.5 Decanted:
Sample Wt/Vol:	30.04 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089370.D	1	07/07/25 08:30	07/07/25 20:41	PB168736

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

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

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/03/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-36	SDG No.:	Q2514
Lab Sample ID:	Q2514-07	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	90.3 Decanted:
Sample Wt/Vol:	30.06 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089371.D	1	07/07/25 08:30	07/07/25 20:54	PB168736

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.14	U	0.14	1.90	ug/kg
319-85-7	beta-BHC	0.20	U	0.20	1.90	ug/kg
319-86-8	delta-BHC	0.43	U	0.43	1.90	ug/kg
58-89-9	gamma-BHC (Lindane)	0.15	U	0.15	1.90	ug/kg
76-44-8	Heptachlor	0.13	U	0.13	1.90	ug/kg
309-00-2	Aldrin	0.13	U	0.13	1.90	ug/kg
1024-57-3	Heptachlor epoxide	0.21	U	0.21	1.90	ug/kg
959-98-8	Endosulfan I	0.15	U	0.15	1.90	ug/kg
60-57-1	Dieldrin	0.15	U	0.15	1.90	ug/kg
72-55-9	4,4-DDE	0.15	U	0.15	1.90	ug/kg
72-20-8	Endrin	0.15	U	0.15	1.90	ug/kg
33213-65-9	Endosulfan II	0.32	U	0.32	1.90	ug/kg
72-54-8	4,4-DDD	0.17	U	0.17	1.90	ug/kg
1031-07-8	Endosulfan Sulfate	0.14	U	0.14	1.90	ug/kg
50-29-3	4,4-DDT	0.15	U	0.15	1.90	ug/kg
72-43-5	Methoxychlor	0.41	U	0.41	1.90	ug/kg
53494-70-5	Endrin ketone	0.21	U	0.21	1.90	ug/kg
7421-93-4	Endrin aldehyde	0.41	U	0.41	1.90	ug/kg
5103-71-9	alpha-Chlordane	0.13	U	0.13	1.90	ug/kg
5103-74-2	gamma-Chlordane	0.17	U	0.17	1.90	ug/kg
8001-35-2	Toxaphene	6.00	U	6.00	36.5	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	13.1		20 - 144	66%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.7		19 - 148	93%	SPK: 20

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/03/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-36	SDG No.:	Q2514
Lab Sample ID:	Q2514-07	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	90.3 Decanted:
Sample Wt/Vol:	30.06 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089371.D	1	07/07/25 08:30	07/07/25 20:54	PB168736

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

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

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/03/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-78	SDG No.:	Q2514
Lab Sample ID:	Q2514-08	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	86.3 Decanted:
Sample Wt/Vol:	30.09 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089372.D	1	07/07/25 08:30	07/07/25 21:08	PB168736

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.15	U	0.15	2.00	ug/kg
319-85-7	beta-BHC	0.21	U	0.21	2.00	ug/kg
319-86-8	delta-BHC	0.45	U	0.45	2.00	ug/kg
58-89-9	gamma-BHC (Lindane)	0.16	U	0.16	2.00	ug/kg
76-44-8	Heptachlor	0.14	U	0.14	2.00	ug/kg
309-00-2	Aldrin	0.14	U	0.14	2.00	ug/kg
1024-57-3	Heptachlor epoxide	0.22	U	0.22	2.00	ug/kg
959-98-8	Endosulfan I	0.16	U	0.16	2.00	ug/kg
60-57-1	Dieldrin	0.16	U	0.16	2.00	ug/kg
72-55-9	4,4-DDE	0.16	U	0.16	2.00	ug/kg
72-20-8	Endrin	0.16	U	0.16	2.00	ug/kg
33213-65-9	Endosulfan II	0.34	U	0.34	2.00	ug/kg
72-54-8	4,4-DDD	0.17	U	0.17	2.00	ug/kg
1031-07-8	Endosulfan Sulfate	0.15	U	0.15	2.00	ug/kg
50-29-3	4,4-DDT	0.16	U	0.16	2.00	ug/kg
72-43-5	Methoxychlor	0.43	U	0.43	2.00	ug/kg
53494-70-5	Endrin ketone	0.22	U	0.22	2.00	ug/kg
7421-93-4	Endrin aldehyde	0.43	U	0.43	2.00	ug/kg
5103-71-9	alpha-Chlordane	0.14	U	0.14	2.00	ug/kg
5103-74-2	gamma-Chlordane	0.17	U	0.17	2.00	ug/kg
8001-35-2	Toxaphene	6.30	U	6.30	38.1	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	9.06		20 - 144	45%	SPK: 20
877-09-8	Tetrachloro-m-xylene	16.6		19 - 148	83%	SPK: 20

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/03/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-78	SDG No.:	Q2514
Lab Sample ID:	Q2514-08	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	86.3 Decanted:
Sample Wt/Vol:	30.09 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089372.D	1	07/07/25 08:30	07/07/25 21:08	PB168736

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/03/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-81	SDG No.:	Q2514
Lab Sample ID:	Q2514-09	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	86.3 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089373.D	1	07/07/25 08:30	07/07/25 21:22	PB168736

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.15	U	0.15	2.00	ug/kg
319-85-7	beta-BHC	0.21	U	0.21	2.00	ug/kg
319-86-8	delta-BHC	0.45	U	0.45	2.00	ug/kg
58-89-9	gamma-BHC (Lindane)	0.16	U	0.16	2.00	ug/kg
76-44-8	Heptachlor	0.14	U	0.14	2.00	ug/kg
309-00-2	Aldrin	0.14	U	0.14	2.00	ug/kg
1024-57-3	Heptachlor epoxide	0.22	U	0.22	2.00	ug/kg
959-98-8	Endosulfan I	0.16	U	0.16	2.00	ug/kg
60-57-1	Dieldrin	0.16	U	0.16	2.00	ug/kg
72-55-9	4,4-DDE	0.16	U	0.16	2.00	ug/kg
72-20-8	Endrin	0.16	U	0.16	2.00	ug/kg
33213-65-9	Endosulfan II	0.34	U	0.34	2.00	ug/kg
72-54-8	4,4-DDD	0.17	U	0.17	2.00	ug/kg
1031-07-8	Endosulfan Sulfate	0.15	U	0.15	2.00	ug/kg
50-29-3	4,4-DDT	0.16	U	0.16	2.00	ug/kg
72-43-5	Methoxychlor	0.43	U	0.43	2.00	ug/kg
53494-70-5	Endrin ketone	0.22	U	0.22	2.00	ug/kg
7421-93-4	Endrin aldehyde	0.43	U	0.43	2.00	ug/kg
5103-71-9	alpha-Chlordane	0.14	U	0.14	2.00	ug/kg
5103-74-2	gamma-Chlordane	0.17	U	0.17	2.00	ug/kg
8001-35-2	Toxaphene	6.30	U	6.30	38.2	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	8.25		20 - 144	41%	SPK: 20
877-09-8	Tetrachloro-m-xylene	16.7		19 - 148	84%	SPK: 20

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/03/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-81	SDG No.:	Q2514
Lab Sample ID:	Q2514-09	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	86.3 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089373.D	1	07/07/25 08:30	07/07/25 21:22	PB168736

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

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

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/03/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-90	SDG No.:	Q2514
Lab Sample ID:	Q2514-10	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	91.6 Decanted:
Sample Wt/Vol:	30.04 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089374.D	1	07/07/25 08:30	07/07/25 21:35	PB168736

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.14	U	0.14	1.90	ug/kg
319-85-7	beta-BHC	0.20	U	0.20	1.90	ug/kg
319-86-8	delta-BHC	0.43	U	0.43	1.90	ug/kg
58-89-9	gamma-BHC (Lindane)	0.15	U	0.15	1.90	ug/kg
76-44-8	Heptachlor	0.13	U	0.13	1.90	ug/kg
309-00-2	Aldrin	0.13	U	0.13	1.90	ug/kg
1024-57-3	Heptachlor epoxide	0.21	U	0.21	1.90	ug/kg
959-98-8	Endosulfan I	0.15	U	0.15	1.90	ug/kg
60-57-1	Dieldrin	0.15	U	0.15	1.90	ug/kg
72-55-9	4,4-DDE	0.15	U	0.15	1.90	ug/kg
72-20-8	Endrin	0.15	U	0.15	1.90	ug/kg
33213-65-9	Endosulfan II	0.32	U	0.32	1.90	ug/kg
72-54-8	4,4-DDD	0.16	U	0.16	1.90	ug/kg
1031-07-8	Endosulfan Sulfate	0.14	U	0.14	1.90	ug/kg
50-29-3	4,4-DDT	0.15	U	0.15	1.90	ug/kg
72-43-5	Methoxychlor	0.40	U	0.40	1.90	ug/kg
53494-70-5	Endrin ketone	0.21	U	0.21	1.90	ug/kg
7421-93-4	Endrin aldehyde	0.40	U	0.40	1.90	ug/kg
5103-71-9	alpha-Chlordane	0.13	U	0.13	1.90	ug/kg
5103-74-2	gamma-Chlordane	0.16	U	0.16	1.90	ug/kg
8001-35-2	Toxaphene	5.90	U	5.90	36.0	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	10.9		20 - 144	55%	SPK: 20
877-09-8	Tetrachloro-m-xylene	13.6		19 - 148	68%	SPK: 20

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/03/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-90	SDG No.:	Q2514
Lab Sample ID:	Q2514-10	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	91.6 Decanted:
Sample Wt/Vol:	30.04 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089374.D	1	07/07/25 08:30	07/07/25 21:35	PB168736

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

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

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

QC SUMMARY

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Surrogate Summary

SDG No.: Q2514

Client: CDM Smith

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%) Low	Limits(%) High
I.BLK-PD088990.D	PIBLK-PD088990.D	Decachlorobiphen	1	20	18.2	91		57	171
		Tetrachloro-m-xyl	1	20	16.1	80		61	148
		Decachlorobiphen	2	20	18.6	93		57	171
		Tetrachloro-m-xyl	2	20	17.7	88		61	148
I.BLK-PD089340.D	PIBLK-PD089340.D	Decachlorobiphen	1	20	20.0	100		57	171
		Tetrachloro-m-xyl	1	20	18.7	93		61	148
		Decachlorobiphen	2	20	20.0	100		57	171
		Tetrachloro-m-xyl	2	20	21.2	106		61	148
PB168736BL	PB168736BL	Decachlorobiphen	1	20	15.4	77		20	144
		Tetrachloro-m-xyl	1	20	16.9	85		19	148
		Decachlorobiphen	2	20	14.1	71		20	144
		Tetrachloro-m-xyl	2	20	19.8	99		19	148
PB168736BS	PB168736BS	Decachlorobiphen	1	20	15.8	79		20	144
		Tetrachloro-m-xyl	1	20	16.3	81		19	148
		Decachlorobiphen	2	20	14.9	75		20	144
		Tetrachloro-m-xyl	2	20	19.8	99		19	148
I.BLK-PD089356.D	PIBLK-PD089356.D	Decachlorobiphen	1	20	17.9	89		57	171
		Tetrachloro-m-xyl	1	20	19.0	95		61	148
		Decachlorobiphen	2	20	16.4	82		57	171
		Tetrachloro-m-xyl	2	20	22.2	111		61	148
Q2514-01	TP-92	Decachlorobiphen	1	20	8.74	44		20	144
		Tetrachloro-m-xyl	1	20	16.2	81		19	148
		Decachlorobiphen	2	20	6.43	32		20	144
		Tetrachloro-m-xyl	2	20	18.2	91		19	148
Q2514-01MS	TP-92MS	Decachlorobiphen	1	20	13.6	68		20	144
		Tetrachloro-m-xyl	1	20	18.8	94		19	148
		Decachlorobiphen	2	20	10.3	52		20	144
		Tetrachloro-m-xyl	2	20	21.6	108		19	148
Q2514-01MSD	TP-92MSD	Decachlorobiphen	1	20	13.9	69		20	144
		Tetrachloro-m-xyl	1	20	19.3	96		19	148
		Decachlorobiphen	2	20	10.8	54		20	144
		Tetrachloro-m-xyl	2	20	21.2	106		19	148
Q2514-02	TP-93	Decachlorobiphen	1	20	8.37	42		20	144
		Tetrachloro-m-xyl	1	20	10.5	52		19	148
		Decachlorobiphen	2	20	7.36	37		20	144
		Tetrachloro-m-xyl	2	20	11.9	60		19	148
Q2514-03	TP-94	Decachlorobiphen	1	20	10.8	54		20	144
		Tetrachloro-m-xyl	1	20	17.5	88		19	148
		Decachlorobiphen	2	20	9.10	46		20	144
		Tetrachloro-m-xyl	2	20	18.7	94		19	148
Q2514-04	TP-96	Decachlorobiphen	1	20	8.21	41		20	144

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Surrogate Summary

SDG No.: Q2514

Client: CDM Smith

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%) Low	Limits(%) High
Q2514-04	TP-96	Tetrachloro-m-xyl	1	20	11.0	55		19	148
		Decachlorobiphen	2	20	7.29	36		20	144
		Tetrachloro-m-xyl	2	20	12.2	61		19	148
Q2514-05	TP-97	Decachlorobiphen	1	20	13.1	66		20	144
		Tetrachloro-m-xyl	1	20	15.4	77		19	148
		Decachlorobiphen	2	20	9.75	49		20	144
		Tetrachloro-m-xyl	2	20	17.0	85		19	148
I.BLK-PD089367.D	PIBLK-PD089367.D	Decachlorobiphen	1	20	17.4	87		57	171
		Tetrachloro-m-xyl	1	20	19.1	96		61	148
		Decachlorobiphen	2	20	14.8	74		57	171
		Tetrachloro-m-xyl	2	20	21.8	109		61	148
Q2514-06	TP-103	Decachlorobiphen	1	20	11.4	57		20	144
		Tetrachloro-m-xyl	1	20	18.1	91		19	148
		Decachlorobiphen	2	20	10.5	53		20	144
		Tetrachloro-m-xyl	2	20	18.0	90		19	148
Q2514-07	TP-36	Decachlorobiphen	1	20	13.1	66		20	144
		Tetrachloro-m-xyl	1	20	16.9	85		19	148
		Decachlorobiphen	2	20	12.5	63		20	144
		Tetrachloro-m-xyl	2	20	18.7	93		19	148
Q2514-08	TP-78	Decachlorobiphen	1	20	9.06	45		20	144
		Tetrachloro-m-xyl	1	20	14.9	74		19	148
		Decachlorobiphen	2	20	8.93	45		20	144
		Tetrachloro-m-xyl	2	20	16.6	83		19	148
Q2514-09	TP-81	Decachlorobiphen	1	20	8.25	41		20	144
		Tetrachloro-m-xyl	1	20	15.2	76		19	148
		Decachlorobiphen	2	20	7.73	39		20	144
		Tetrachloro-m-xyl	2	20	16.7	84		19	148
Q2514-10	TP-90	Decachlorobiphen	1	20	10.9	55		20	144
		Tetrachloro-m-xyl	1	20	12.0	60		19	148
		Decachlorobiphen	2	20	10.2	51		20	144
		Tetrachloro-m-xyl	2	20	13.6	68		19	148
I.BLK-PD089376.D	PIBLK-PD089376.D	Decachlorobiphen	1	20	18.2	91		57	171
		Tetrachloro-m-xyl	1	20	19.1	96		61	148
		Decachlorobiphen	2	20	16.9	85		57	171
		Tetrachloro-m-xyl	2	20	22.4	112		61	148

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2514 **Analytical Method:** 8081B

Client: CDM Smith **DataFile :** PD089361.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: **Q2514-01MS (Column 1)**	**Client Sample ID:**		**TP-92MS**								
alpha-BHC	19.05	0	16.0	ug/kg	84				60	144	
beta-BHC	19.05	0	15.8	ug/kg	83				54	143	
delta-BHC	19.05	0	16.9	ug/kg	89				29	151	
gamma-BHC (Lindane)	19.05	0	16.3	ug/kg	86				61	140	
Heptachlor	19.05	0	15.5	ug/kg	81				63	135	
Aldrin	19.05	0	15.2	ug/kg	80				49	139	
Heptachlor epoxide	19.05	0	14.3	ug/kg	75				41	156	
Endosulfan I	19.05	0	14.0	ug/kg	73				56	142	
Dieldrin	19.05	0	13.4	ug/kg	70				47	161	
4,4'-DDE	19.05	0	13.7	ug/kg	72				55	136	
Endrin	19.05	0	13.6	ug/kg	71				57	139	
Endosulfan II	19.05	0	13.2	ug/kg	69				40	163	
4,4'-DDD	19.05	0	13.0	ug/kg	68				47	163	
Endosulfan sulfate	19.05	0	12.9	ug/kg	68				62	139	
4,4'-DDT	19.05	0	12.2	ug/kg	64				51	146	
Methoxychlor	19.05	0	11.1	ug/kg	58				54	136	
Endrin ketone	19.05	0	12.2	ug/kg	64				60	129	
Endrin aldehyde	19.05	0	12.8	ug/kg	67				59	132	
alpha-Chlordane	19.05	0	13.9	ug/kg	73				39	166	
gamma-Chlordane	19.05	0	13.9	ug/kg	73				44	175	
Lab Sample ID: **Q2514-01MS (Column 2)**	**Client Sample ID:**		**TP-92MS**								
alpha-BHC	19.05	0	17.9	ug/kg	94				60	144	
beta-BHC	19.05	0	17.4	ug/kg	91				54	143	
delta-BHC	19.05	0	17.1	ug/kg	90				29	151	
gamma-BHC (Lindane)	19.05	0	17.8	ug/kg	93				61	140	
Heptachlor	19.05	0	17.2	ug/kg	90				63	135	
Aldrin	19.05	0	17.1	ug/kg	90				49	139	
Heptachlor epoxide	19.05	0	16.4	ug/kg	86				41	156	
Endosulfan I	19.05	0	15.8	ug/kg	83				56	142	
Dieldrin	19.05	0	14.9	ug/kg	78				47	161	
4,4'-DDE	19.05	0	15.4	ug/kg	81				55	136	
Endrin	19.05	0	14.0	ug/kg	73				57	139	
Endosulfan II	19.05	0	13.0	ug/kg	68				40	163	
4,4'-DDD	19.05	0	12.9	ug/kg	68				47	163	
Endosulfan sulfate	19.05	0	13.0	ug/kg	68				62	139	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2514 **Analytical Method:** 8081B

Client: CDM Smith **DataFile :** PD089361.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
4,4'-DDT	19.05	0	12.9	ug/kg	68				51	146	
Methoxychlor	19.05	0	12.1	ug/kg	64				54	136	
Endrin ketone	19.05	0	11.2	ug/kg	59				60	129	
Endrin aldehyde	19.05	0	12.8	ug/kg	67				59	132	
alpha-Chlordane	19.05	0	15.6	ug/kg	82				39	166	
gamma-Chlordane	19.05	0	15.7	ug/kg	82				44	175	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2514 **Analytical Method:** 8081B

Client: CDM Smith **DataFile :** PD089362.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID:	**Q2514-01MSD**	**Client Sample ID:**		**TP-92MSD**							
(Column 1)											
alpha-BHC	19.03	0	16.4	ug/kg	86		2		60	144	20
beta-BHC	19.03	0	15.8	ug/kg	83		0		54	143	20
delta-BHC	19.03	0	17.6	ug/kg	92		3		29	151	20
gamma-BHC (Lindane)	19.03	0	16.3	ug/kg	86		0		61	140	20
Heptachlor	19.03	0	16.3	ug/kg	86		6		63	135	20
Aldrin	19.03	0	15.7	ug/kg	83		4		49	139	20
Heptachlor epoxide	19.03	0	14.7	ug/kg	77		3		41	156	20
Endosulfan I	19.03	0	14.5	ug/kg	76		4		56	142	20
Dieldrin	19.03	0	13.8	ug/kg	73		4		47	161	20
4,4'-DDE	19.03	0	14.0	ug/kg	74		3		55	136	20
Endrin	19.03	0	14.0	ug/kg	74		4		57	139	20
Endosulfan II	19.03	0	13.3	ug/kg	70		1		40	163	20
4,4'-DDD	19.03	0	13.4	ug/kg	70		3		47	163	20
Endosulfan sulfate	19.03	0	12.6	ug/kg	66		3		62	139	20
4,4'-DDT	19.03	0	12.8	ug/kg	67		5		51	146	20
Methoxychlor	19.03	0	12.1	ug/kg	64		10		54	136	20
Endrin ketone	19.03	0	12.6	ug/kg	66		3		60	129	20
Endrin aldehyde	19.03	0	13.5	ug/kg	71		6		59	132	20
alpha-Chlordane	19.03	0	14.5	ug/kg	76		4		39	166	20
gamma-Chlordane	19.03	0	14.7	ug/kg	77		5		44	175	20
Lab Sample ID:	**Q2514-01MSD**	**Client Sample ID:**		**TP-92MSD**							
(Column 2)											
alpha-BHC	19.03	0	17.9	ug/kg	94		0		60	144	20
beta-BHC	19.03	0	17.7	ug/kg	93		2		54	143	20
delta-BHC	19.03	0	17.3	ug/kg	91		1		29	151	20
gamma-BHC (Lindane)	19.03	0	17.9	ug/kg	94		1		61	140	20
Heptachlor	19.03	0	17.4	ug/kg	91		1		63	135	20
Aldrin	19.03	0	17.4	ug/kg	91		1		49	139	20
Heptachlor epoxide	19.03	0	16.9	ug/kg	89		3		41	156	20
Endosulfan I	19.03	0	16.9	ug/kg	89		7		56	142	20
Dieldrin	19.03	0	15.3	ug/kg	80		3		47	161	20
4,4'-DDE	19.03	0	16.1	ug/kg	85		5		55	136	20
Endrin	19.03	0	14.8	ug/kg	78		7		57	139	20
Endosulfan II	19.03	0	13.9	ug/kg	73		7		40	163	20
4,4'-DDD	19.03	0	13.7	ug/kg	72		6		47	163	20
Endosulfan sulfate	19.03	0	13.6	ug/kg	71		4		62	139	20

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2514 **Analytical Method:** 8081B

Client: CDM Smith **DataFile :** PD089362.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
4,4'-DDT	19.03	0	14.0	ug/kg	74		8		51	146	20
Methoxychlor	19.03	0	13.0	ug/kg	68		6		54	136	20
Endrin ketone	19.03	0	12.2	ug/kg	64		8		60	129	20
Endrin aldehyde	19.03	0	13.6	ug/kg	71		6		59	132	20
alpha-Chlordane	19.03	0	16.6	ug/kg	87		6		39	166	20
gamma-Chlordane	19.03	0	16.1	ug/kg	85		4		44	175	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2514 **Analytical Method:** 8081B

Client: CDM Smith **Datafile :** PD089354.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB168736BS (Column 1)	alpha-BHC	16.65	17.9	ug/kg	108				84	123	
	beta-BHC	16.65	17.0	ug/kg	102				82	123	
	delta-BHC	16.65	18.7	ug/kg	112				83	126	
	gamma-BHC (Lindane)	16.65	17.8	ug/kg	107				83	125	
	Heptachlor	16.65	17.9	ug/kg	108				83	122	
	Aldrin	16.65	17.6	ug/kg	106				82	124	
	Heptachlor epoxide	16.65	17.1	ug/kg	103				83	120	
	Endosulfan I	16.65	16.8	ug/kg	101				81	124	
	Dieldrin	16.65	16.6	ug/kg	100				85	121	
	4,4'-DDE	16.65	16.0	ug/kg	96				81	123	
	Endrin	16.65	16.4	ug/kg	98				76	130	
	Endosulfan II	16.65	16.6	ug/kg	100				80	125	
	4,4'-DDD	16.65	16.3	ug/kg	98				80	131	
	Endosulfan sulfate	16.65	15.8	ug/kg	95				81	122	
	4,4'-DDT	16.65	16.0	ug/kg	96				70	129	
	Methoxychlor	16.65	14.6	ug/kg	88				60	119	
	Endrin ketone	16.65	15.4	ug/kg	92				77	132	
	Endrin aldehyde	16.65	16.1	ug/kg	97				79	124	
	alpha-Chlordane	16.65	16.8	ug/kg	101				84	120	
	gamma-Chlordane	16.65	16.9	ug/kg	102				83	122	
PB168736BS (Column 2)	alpha-BHC	16.65	18.8	ug/kg	113				84	123	
	beta-BHC	16.65	18.3	ug/kg	110				82	123	
	delta-BHC	16.65	18.9	ug/kg	114				83	126	
	gamma-BHC (Lindane)	16.65	18.8	ug/kg	113				83	125	
	Heptachlor	16.65	18.6	ug/kg	112				83	122	
	Aldrin	16.65	18.8	ug/kg	113				82	124	
	Heptachlor epoxide	16.65	19.0	ug/kg	114				83	120	
	Endosulfan I	16.65	18.7	ug/kg	112				81	124	
	Dieldrin	16.65	18.1	ug/kg	109				85	121	
	4,4'-DDE	16.65	18.3	ug/kg	110				81	123	
	Endrin	16.65	17.4	ug/kg	105				76	130	
	Endosulfan II	16.65	17.4	ug/kg	105				80	125	
	4,4'-DDD	16.65	17.6	ug/kg	106				80	131	
	Endosulfan sulfate	16.65	16.7	ug/kg	100				81	122	
	4,4'-DDT	16.65	17.2	ug/kg	103				70	129	
	Methoxychlor	16.65	15.9	ug/kg	95				60	119	
	Endrin ketone	16.65	15.8	ug/kg	95				77	132	
	Endrin aldehyde	16.65	16.9	ug/kg	102				79	124	
	alpha-Chlordane	16.65	18.5	ug/kg	111				84	120	
	gamma-Chlordane	16.65	18.6	ug/kg	112				83	122	

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4C

PESTICIDE METHOD BLANK SUMMARY

Client ID: PB168736BL

Lab Name: Alliance | Contract: CAMP02

Lab Code: ACE | SDG NO.: Q2514

Lab Sample ID: PB168736BL | Lab File ID: PD089353.D

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

Sulfur Cleanup: (Y/N) N | Date Extracted: 07/07/2025

Date Analyzed (1): 07/07/2025 | Date Analyzed (2): 07/07/2025

Time Analyzed (1): 15:07 | Time Analyzed (2): 15:07

Instrument ID (1): ECD_D | Instrument ID (2): ECD_D

GC Column (1): ZB-MR1 ID: 0.32 (mm) | GC Column (2): ZB-MR2 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
PB168736BS	PB168736BS	PD089354.D	07/07/2025	07/07/2025
TP-92	Q2514-01	PD089360.D	07/07/2025	07/07/2025
TP-92MS	Q2514-01MS	PD089361.D	07/07/2025	07/07/2025
TP-92MSD	Q2514-01MSD	PD089362.D	07/07/2025	07/07/2025
TP-93	Q2514-02	PD089363.D	07/07/2025	07/07/2025
TP-94	Q2514-03	PD089364.D	07/07/2025	07/07/2025
TP-96	Q2514-04	PD089365.D	07/07/2025	07/07/2025
TP-97	Q2514-05	PD089366.D	07/07/2025	07/07/2025
TP-103	Q2514-06	PD089370.D	07/07/2025	07/07/2025
TP-36	Q2514-07	PD089371.D	07/07/2025	07/07/2025
TP-78	Q2514-08	PD089372.D	07/07/2025	07/07/2025
TP-81	Q2514-09	PD089373.D	07/07/2025	07/07/2025
TP-90	Q2514-10	PD089374.D	07/07/2025	07/07/2025

COMMENTS:

QC SAMPLE DATA

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB168736BL	SDG No.:	Q2514
Lab Sample ID:	PB168736BL	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	100 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089353.D	1	07/07/25 08:30	07/07/25 15:07	PB168736

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.13	U	0.13	1.70	ug/kg
319-85-7	beta-BHC	0.18	U	0.18	1.70	ug/kg
319-86-8	delta-BHC	0.39	U	0.39	1.70	ug/kg
58-89-9	gamma-BHC (Lindane)	0.14	U	0.14	1.70	ug/kg
76-44-8	Heptachlor	0.12	U	0.12	1.70	ug/kg
309-00-2	Aldrin	0.12	U	0.12	1.70	ug/kg
1024-57-3	Heptachlor epoxide	0.19	U	0.19	1.70	ug/kg
959-98-8	Endosulfan I	0.14	U	0.14	1.70	ug/kg
60-57-1	Dieldrin	0.14	U	0.14	1.70	ug/kg
72-55-9	4,4-DDE	0.14	U	0.14	1.70	ug/kg
72-20-8	Endrin	0.14	U	0.14	1.70	ug/kg
33213-65-9	Endosulfan II	0.29	U	0.29	1.70	ug/kg
72-54-8	4,4-DDD	0.15	U	0.15	1.70	ug/kg
1031-07-8	Endosulfan Sulfate	0.13	U	0.13	1.70	ug/kg
50-29-3	4,4-DDT	0.14	U	0.14	1.70	ug/kg
72-43-5	Methoxychlor	0.37	U	0.37	1.70	ug/kg
53494-70-5	Endrin ketone	0.19	U	0.19	1.70	ug/kg
7421-93-4	Endrin aldehyde	0.37	U	0.37	1.70	ug/kg
5103-71-9	alpha-Chlordane	0.12	U	0.12	1.70	ug/kg
5103-74-2	gamma-Chlordane	0.15	U	0.15	1.70	ug/kg
8001-35-2	Toxaphene	5.40	U	5.40	33.0	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	15.4		20 - 144	77%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.8		19 - 148	99%	SPK: 20

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB168736BL	SDG No.:	Q2514
Lab Sample ID:	PB168736BL	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	100 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089353.D	1	07/07/25 08:30	07/07/25 15:07	PB168736

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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:	06/17/25
Project:	South River WM Replacement	Date Received:	06/17/25
Client Sample ID:	PIBLK-PD088990.D	SDG No.:	Q2514
Lab Sample ID:	I.BLK-PD088990.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD088990.D	1		06/17/25	PD061825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0039	U	0.0039	0.050	ug/L
319-85-7	beta-BHC	0.0049	U	0.0049	0.050	ug/L
319-86-8	delta-BHC	0.011	U	0.011	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0037	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.0027	U	0.0027	0.050	ug/L
309-00-2	Aldrin	0.0036	U	0.0036	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0096	U	0.0096	0.050	ug/L
959-98-8	Endosulfan I	0.0031	U	0.0031	0.050	ug/L
60-57-1	Dieldrin	0.0036	U	0.0036	0.050	ug/L
72-55-9	4,4-DDE	0.0037	U	0.0037	0.050	ug/L
72-20-8	Endrin	0.0032	U	0.0032	0.050	ug/L
33213-65-9	Endosulfan II	0.0079	U	0.0079	0.050	ug/L
72-54-8	4,4-DDD	0.0071	U	0.0071	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0037	U	0.0037	0.050	ug/L
50-29-3	4,4-DDT	0.0035	U	0.0035	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0093	U	0.0093	0.050	ug/L
7421-93-4	Endrin aldehyde	0.011	U	0.011	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0035	U	0.0035	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0039	U	0.0039	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	18.6		57 - 171	93%	SPK: 20
877-09-8	Tetrachloro-m-xylene	17.7		61 - 148	88%	SPK: 20

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Report of Analysis

Client:	CDM Smith	Date Collected:	06/17/25
Project:	South River WM Replacement	Date Received:	06/17/25
Client Sample ID:	PIBLK-PD088990.D	SDG No.:	Q2514
Lab Sample ID:	I.BLK-PD088990.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD088990.D	1		06/17/25	PD061825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

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

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/07/25
Project:	South River WM Replacement	Date Received:	07/07/25
Client Sample ID:	PIBLK-PD089340.D	SDG No.:	Q2514
Lab Sample ID:	I.BLK-PD089340.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089340.D	1		07/07/25	Pd070725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0039	U	0.0039	0.050	ug/L
319-85-7	beta-BHC	0.0049	U	0.0049	0.050	ug/L
319-86-8	delta-BHC	0.011	U	0.011	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0037	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.0027	U	0.0027	0.050	ug/L
309-00-2	Aldrin	0.0036	U	0.0036	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0096	U	0.0096	0.050	ug/L
959-98-8	Endosulfan I	0.0031	U	0.0031	0.050	ug/L
60-57-1	Dieldrin	0.0036	U	0.0036	0.050	ug/L
72-55-9	4,4-DDE	0.0037	U	0.0037	0.050	ug/L
72-20-8	Endrin	0.0032	U	0.0032	0.050	ug/L
33213-65-9	Endosulfan II	0.0079	U	0.0079	0.050	ug/L
72-54-8	4,4-DDD	0.0071	U	0.0071	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0037	U	0.0037	0.050	ug/L
50-29-3	4,4-DDT	0.0035	U	0.0035	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0093	U	0.0093	0.050	ug/L
7421-93-4	Endrin aldehyde	0.011	U	0.011	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0035	U	0.0035	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0039	U	0.0039	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	20.0		57 - 171	100%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.2		61 - 148	106%	SPK: 20

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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-PD089340.D	SDG No.:	Q2514
Lab Sample ID:	I.BLK-PD089340.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089340.D	1		07/07/25	Pd070725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

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

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/07/25
Project:	South River WM Replacement	Date Received:	07/07/25
Client Sample ID:	PIBLK-PD089356.D	SDG No.:	Q2514
Lab Sample ID:	I.BLK-PD089356.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089356.D	1		07/07/25	pd070725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0039	U	0.0039	0.050	ug/L
319-85-7	beta-BHC	0.0049	U	0.0049	0.050	ug/L
319-86-8	delta-BHC	0.011	U	0.011	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0037	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.0027	U	0.0027	0.050	ug/L
309-00-2	Aldrin	0.0036	U	0.0036	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0096	U	0.0096	0.050	ug/L
959-98-8	Endosulfan I	0.0031	U	0.0031	0.050	ug/L
60-57-1	Dieldrin	0.0036	U	0.0036	0.050	ug/L
72-55-9	4,4-DDE	0.0037	U	0.0037	0.050	ug/L
72-20-8	Endrin	0.0032	U	0.0032	0.050	ug/L
33213-65-9	Endosulfan II	0.0079	U	0.0079	0.050	ug/L
72-54-8	4,4-DDD	0.0071	U	0.0071	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0037	U	0.0037	0.050	ug/L
50-29-3	4,4-DDT	0.0035	U	0.0035	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0093	U	0.0093	0.050	ug/L
7421-93-4	Endrin aldehyde	0.011	U	0.011	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0035	U	0.0035	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0039	U	0.0039	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	17.9		57 - 171	89%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.2		61 - 148	111%	SPK: 20

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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-PD089356.D	SDG No.:	Q2514
Lab Sample ID:	I.BLK-PD089356.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089356.D	1		07/07/25	pd070725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

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

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/07/25
Project:	South River WM Replacement	Date Received:	07/07/25
Client Sample ID:	PIBLK-PD089367.D	SDG No.:	Q2514
Lab Sample ID:	I.BLK-PD089367.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089367.D	1		07/07/25	pd070725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0039	U	0.0039	0.050	ug/L
319-85-7	beta-BHC	0.0049	U	0.0049	0.050	ug/L
319-86-8	delta-BHC	0.011	U	0.011	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0037	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.0027	U	0.0027	0.050	ug/L
309-00-2	Aldrin	0.0036	U	0.0036	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0096	U	0.0096	0.050	ug/L
959-98-8	Endosulfan I	0.0031	U	0.0031	0.050	ug/L
60-57-1	Dieldrin	0.0036	U	0.0036	0.050	ug/L
72-55-9	4,4-DDE	0.0037	U	0.0037	0.050	ug/L
72-20-8	Endrin	0.0032	U	0.0032	0.050	ug/L
33213-65-9	Endosulfan II	0.0079	U	0.0079	0.050	ug/L
72-54-8	4,4-DDD	0.0071	U	0.0071	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0037	U	0.0037	0.050	ug/L
50-29-3	4,4-DDT	0.0035	U	0.0035	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0093	U	0.0093	0.050	ug/L
7421-93-4	Endrin aldehyde	0.011	U	0.011	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0035	U	0.0035	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0039	U	0.0039	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	17.4		57 - 171	87%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.8		61 - 148	109%	SPK: 20

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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-PD089367.D	SDG No.:	Q2514
Lab Sample ID:	I.BLK-PD089367.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089367.D	1		07/07/25	pd070725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

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

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/07/25
Project:	South River WM Replacement	Date Received:	07/07/25
Client Sample ID:	PIBLK-PD089376.D	SDG No.:	Q2514
Lab Sample ID:	I.BLK-PD089376.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089376.D	1		07/07/25	pd070725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0039	U	0.0039	0.050	ug/L
319-85-7	beta-BHC	0.0049	U	0.0049	0.050	ug/L
319-86-8	delta-BHC	0.011	U	0.011	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0037	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.0027	U	0.0027	0.050	ug/L
309-00-2	Aldrin	0.0036	U	0.0036	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0096	U	0.0096	0.050	ug/L
959-98-8	Endosulfan I	0.0031	U	0.0031	0.050	ug/L
60-57-1	Dieldrin	0.0036	U	0.0036	0.050	ug/L
72-55-9	4,4-DDE	0.0037	U	0.0037	0.050	ug/L
72-20-8	Endrin	0.0032	U	0.0032	0.050	ug/L
33213-65-9	Endosulfan II	0.0079	U	0.0079	0.050	ug/L
72-54-8	4,4-DDD	0.0071	U	0.0071	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0037	U	0.0037	0.050	ug/L
50-29-3	4,4-DDT	0.0035	U	0.0035	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0093	U	0.0093	0.050	ug/L
7421-93-4	Endrin aldehyde	0.011	U	0.011	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0035	U	0.0035	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0039	U	0.0039	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	18.2		57 - 171	91%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.4		61 - 148	112%	SPK: 20

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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-PD089376.D	SDG No.:	Q2514
Lab Sample ID:	I.BLK-PD089376.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089376.D	1		07/07/25	pd070725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

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

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB168736BS	SDG No.:	Q2514
Lab Sample ID:	PB168736BS	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	100 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089354.D	1	07/07/25 08:30	07/07/25 15:44	PB168736

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	18.8		0.13	1.70	ug/kg
319-85-7	beta-BHC	18.3		0.18	1.70	ug/kg
319-86-8	delta-BHC	18.9		0.39	1.70	ug/kg
58-89-9	gamma-BHC (Lindane)	18.8		0.14	1.70	ug/kg
76-44-8	Heptachlor	18.6		0.12	1.70	ug/kg
309-00-2	Aldrin	18.8		0.12	1.70	ug/kg
1024-57-3	Heptachlor epoxide	19.0		0.19	1.70	ug/kg
959-98-8	Endosulfan I	18.7		0.14	1.70	ug/kg
60-57-1	Dieldrin	18.1		0.14	1.70	ug/kg
72-55-9	4,4-DDE	18.3		0.14	1.70	ug/kg
72-20-8	Endrin	17.4		0.14	1.70	ug/kg
33213-65-9	Endosulfan II	17.4		0.29	1.70	ug/kg
72-54-8	4,4-DDD	17.6		0.15	1.70	ug/kg
1031-07-8	Endosulfan Sulfate	16.7		0.13	1.70	ug/kg
50-29-3	4,4-DDT	17.2		0.14	1.70	ug/kg
72-43-5	Methoxychlor	15.9		0.37	1.70	ug/kg
53494-70-5	Endrin ketone	15.8		0.19	1.70	ug/kg
7421-93-4	Endrin aldehyde	16.9		0.37	1.70	ug/kg
5103-71-9	alpha-Chlordane	18.5		0.12	1.70	ug/kg
5103-74-2	gamma-Chlordane	18.6		0.15	1.70	ug/kg
8001-35-2	Toxaphene	5.40	U	5.40	33.0	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	15.8		20 - 144	79%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.8		19 - 148	99%	SPK: 20

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB168736BS	SDG No.:	Q2514
Lab Sample ID:	PB168736BS	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	100 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089354.D	1	07/07/25 08:30	07/07/25 15:44	PB168736

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

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

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-92MS	SDG No.:	Q2514
Lab Sample ID:	Q2514-01MS	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	87.4 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089361.D	1	07/07/25 08:30	07/07/25 18:10	PB168736

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	17.9		0.15	1.90	ug/kg
319-85-7	beta-BHC	17.4		0.21	1.90	ug/kg
319-86-8	delta-BHC	17.1		0.45	1.90	ug/kg
58-89-9	gamma-BHC (Lindane)	17.8		0.16	1.90	ug/kg
76-44-8	Heptachlor	17.2		0.14	1.90	ug/kg
309-00-2	Aldrin	17.1		0.14	1.90	ug/kg
1024-57-3	Heptachlor epoxide	16.4		0.22	1.90	ug/kg
959-98-8	Endosulfan I	15.8		0.16	1.90	ug/kg
60-57-1	Dieldrin	14.9		0.16	1.90	ug/kg
72-55-9	4,4-DDE	15.4		0.16	1.90	ug/kg
72-20-8	Endrin	14.0		0.16	1.90	ug/kg
33213-65-9	Endosulfan II	13.2		0.33	1.90	ug/kg
72-54-8	4,4-DDD	13.0		0.17	1.90	ug/kg
1031-07-8	Endosulfan Sulfate	13.0		0.15	1.90	ug/kg
50-29-3	4,4-DDT	12.9		0.16	1.90	ug/kg
72-43-5	Methoxychlor	12.1		0.42	1.90	ug/kg
53494-70-5	Endrin ketone	12.2		0.22	1.90	ug/kg
7421-93-4	Endrin aldehyde	12.8		0.42	1.90	ug/kg
5103-71-9	alpha-Chlordane	15.6		0.14	1.90	ug/kg
5103-74-2	gamma-Chlordane	15.7		0.17	1.90	ug/kg
8001-35-2	Toxaphene	6.20	U	6.20	37.7	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	13.6		20 - 144	68%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.6		19 - 148	108%	SPK: 20

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-92MS	SDG No.:	Q2514
Lab Sample ID:	Q2514-01MS	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	87.4 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089361.D	1	07/07/25 08:30	07/07/25 18:10	PB168736

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

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

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-92MSD	SDG No.:	Q2514
Lab Sample ID:	Q2514-01MSD	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	87.4 Decanted:
Sample Wt/Vol:	30.06 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089362.D	1	07/07/25 08:30	07/07/25 18:23	PB168736

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	17.9		0.15	1.90	ug/kg
319-85-7	beta-BHC	17.7		0.21	1.90	ug/kg
319-86-8	delta-BHC	17.6		0.45	1.90	ug/kg
58-89-9	gamma-BHC (Lindane)	17.9		0.16	1.90	ug/kg
76-44-8	Heptachlor	17.4		0.14	1.90	ug/kg
309-00-2	Aldrin	17.4		0.14	1.90	ug/kg
1024-57-3	Heptachlor epoxide	16.9		0.22	1.90	ug/kg
959-98-8	Endosulfan I	16.9		0.16	1.90	ug/kg
60-57-1	Dieldrin	15.3		0.16	1.90	ug/kg
72-55-9	4,4-DDE	16.1		0.16	1.90	ug/kg
72-20-8	Endrin	14.8		0.16	1.90	ug/kg
33213-65-9	Endosulfan II	13.9		0.33	1.90	ug/kg
72-54-8	4,4-DDD	13.7		0.17	1.90	ug/kg
1031-07-8	Endosulfan Sulfate	13.6		0.15	1.90	ug/kg
50-29-3	4,4-DDT	14.0		0.16	1.90	ug/kg
72-43-5	Methoxychlor	13.0		0.42	1.90	ug/kg
53494-70-5	Endrin ketone	12.6		0.22	1.90	ug/kg
7421-93-4	Endrin aldehyde	13.6		0.42	1.90	ug/kg
5103-71-9	alpha-Chlordane	16.6		0.14	1.90	ug/kg
5103-74-2	gamma-Chlordane	16.1		0.17	1.90	ug/kg
8001-35-2	Toxaphene	6.20	U	6.20	37.7	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	13.9		20 - 144	69%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.2		19 - 148	106%	SPK: 20

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-92MSD	SDG No.:	Q2514
Lab Sample ID:	Q2514-01MSD	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	87.4 Decanted:
Sample Wt/Vol:	30.06 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089362.D	1	07/07/25 08:30	07/07/25 18:23	PB168736

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

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

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

CALIBRATION SUMMARY

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RETENTION TIMES OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_D
Contract: CAMP02
SDG NO.: Q2514
Calibration Date(s): 06/17/2025 06/17/2025
Calibration Times: 15:52 16:47

GC Column: ZB-MR1 ID: 0.32 (mm)

LAB FILE ID: RT 100 = PD088993.D RT 075 = PD088994.D
RT 050 = PD088995.D RT 025 = PD088996.D RT 005 = PD088997.D

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW FROM	RT WINDOW TO
4,4'-DDD	6.71	6.70	6.71	6.70	6.70	6.70	6.60	6.80
4,4'-DDE	6.20	6.20	6.20	6.20	6.19	6.20	6.10	6.30
4,4'-DDT	7.02	7.02	7.02	7.02	7.02	7.02	6.92	7.12
Aldrin	5.27	5.27	5.27	5.27	5.27	5.27	5.17	5.37
alpha-BHC	4.00	4.00	4.00	4.00	4.00	4.00	3.90	4.10
alpha-Chlordane	6.03	6.03	6.03	6.03	6.03	6.03	5.93	6.13
beta-BHC	4.52	4.52	4.52	4.52	4.52	4.51	4.41	4.61
Decachlorobiphenyl	9.07	9.07	9.07	9.07	9.07	9.07	8.97	9.17
delta-BHC	4.76	4.76	4.76	4.76	4.76	4.76	4.66	4.86
Dieldrin	6.35	6.35	6.35	6.35	6.35	6.35	6.25	6.45
Endosulfan I	6.07	6.07	6.08	6.07	6.07	6.07	5.97	6.17
Endosulfan II	6.79	6.79	6.79	6.79	6.79	6.79	6.69	6.89
Endosulfan sulfate	7.15	7.15	7.15	7.15	7.15	7.15	7.05	7.25
Endrin	6.57	6.57	6.58	6.57	6.57	6.57	6.47	6.67
Endrin aldehyde	6.92	6.91	6.92	6.91	6.91	6.91	6.81	7.01
Endrin ketone	7.63	7.63	7.63	7.63	7.63	7.63	7.53	7.73
gamma-BHC (Lindane)	4.33	4.33	4.33	4.33	4.33	4.33	4.23	4.43
gamma-Chlordane	5.95	5.95	5.95	5.95	5.95	5.95	5.85	6.05
Heptachlor	4.93	4.93	4.93	4.93	4.93	4.93	4.83	5.03
Heptachlor epoxide	5.69	5.69	5.69	5.69	5.69	5.69	5.59	5.79
Methoxychlor	7.49	7.49	7.49	7.49	7.49	7.49	7.39	7.59
Tetrachloro-m-xylene	3.55	3.55	3.55	3.55	3.55	3.55	3.45	3.65

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RETENTION TIMES OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_D
Contract: CAMP02
SDG NO.: Q2514
Calibration Date(s): 06/17/2025 06/17/2025
Calibration Times: 15:52 16:47

GC Column: ZB-MR2 ID: 0.32 (mm)

LAB FILE ID: RT 100 = PD088993.D RT 075 = PD088994.D
RT 050 = PD088995.D RT 025 = PD088996.D RT 005 = PD088997.D

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW FROM	RT WINDOW TO
4,4'-DDD	5.93	5.93	5.93	5.93	5.93	5.93	5.83	6.03
4,4'-DDE	5.38	5.38	5.38	5.38	5.38	5.38	5.28	5.48
4,4'-DDT	6.18	6.18	6.18	6.18	6.18	6.18	6.08	6.28
Aldrin	4.37	4.37	4.37	4.37	4.37	4.37	4.27	4.47
alpha-BHC	3.39	3.39	3.39	3.39	3.39	3.39	3.29	3.49
alpha-Chlordane	5.19	5.19	5.19	5.19	5.19	5.19	5.09	5.29
beta-BHC	4.03	4.03	4.03	4.03	4.03	4.03	3.93	4.13
Decachlorobiphenyl	8.07	8.07	8.07	8.07	8.07	8.07	7.97	8.17
delta-BHC	4.26	4.26	4.26	4.26	4.26	4.26	4.16	4.36
Dieldrin	5.51	5.51	5.51	5.51	5.51	5.51	5.41	5.61
Endosulfan I	5.25	5.25	5.25	5.25	5.25	5.25	5.15	5.35
Endosulfan II	6.08	6.08	6.08	6.08	6.08	6.08	5.98	6.18
Endosulfan sulfate	6.48	6.48	6.48	6.48	6.48	6.48	6.38	6.58
Endrin	5.79	5.79	5.79	5.79	5.79	5.79	5.69	5.89
Endrin aldehyde	6.26	6.26	6.26	6.26	6.26	6.26	6.16	6.36
Endrin ketone	6.99	6.99	6.99	6.99	6.99	6.99	6.89	7.09
gamma-BHC (Lindane)	3.73	3.73	3.73	3.73	3.73	3.73	3.63	3.83
gamma-Chlordane	5.13	5.13	5.13	5.13	5.13	5.13	5.03	5.23
Heptachlor	4.08	4.08	4.08	4.08	4.08	4.08	3.98	4.18
Heptachlor epoxide	4.87	4.87	4.87	4.87	4.87	4.87	4.77	4.97
Methoxychlor	6.76	6.75	6.76	6.75	6.75	6.75	6.65	6.85
Tetrachloro-m-xylene	2.88	2.88	2.88	2.88	2.88	2.88	2.78	2.98

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CALIBRATION FACTOR OF INITIAL CALIBRATION

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

Contract: CAMP02
SDG NO.: Q2514
Calibration Date(s): 06/17/2025 06/17/2025
Calibration Times: 15:52 16:47

GC Column: ZB-MR1 **ID:** 0.32 (mm)

LAB FILE ID: CF 100 = PD088993.D CF 075 = PD088994.D
CF 050 = PD088995.D CF 025 = PD088996.D CF 005 = PD088997.D

COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	3557450000	3439230000	3414120000	3228670000	3520780000	3432050000	4
4,4'-DDE	4564130000	4401240000	4312380000	4092310000	4435110000	4361030000	4
4,4'-DDT	3928430000	3802000000	3763430000	3580670000	3866490000	3788210000	3
Aldrin	5504150000	5312640000	5254800000	4989300000	5504000000	5312980000	4
alpha-BHC	6295370000	6031790000	5874750000	5417910000	5525530000	5829070000	6
alpha-Chlordane	4885060000	4758900000	4734630000	4584390000	5229700000	4838540000	5
beta-BHC	2136750000	2100860000	2137680000	2144670000	2515730000	2207140000	8
Decachlorobiphenyl	3598890000	3628150000	3773200000	3897960000	4739940000	3927630000	12
delta-BHC	5546280000	5292010000	5182350000	4751190000	4892690000	5132900000	6
Dieldrin	4933650000	4797080000	4750270000	4527510000	4978810000	4797470000	4
Endosulfan I	4511200000	4405770000	4412600000	4289200000	4918470000	4507450000	5
Endosulfan II	3829260000	3982180000	4002080000	3816490000	4553000000	4036600000	7
Endosulfan sulfate	3786900000	3718160000	3741600000	3667440000	4271990000	3837220000	6
Endrin	4238140000	4109540000	4096430000	3878120000	4305700000	4125590000	4
Endrin aldehyde	2964260000	2935670000	2964230000	2966830000	3488720000	3063940000	8
Endrin ketone	4050100000	3970810000	4004900000	3895960000	4443590000	4073070000	5
gamma-BHC (Lindane)	5900830000	5686510000	5566590000	5221690000	5532800000	5581680000	4
gamma-Chlordane	4869330000	4801300000	4716110000	4508810000	5045020000	4788110000	4
Heptachlor	5621840000	5429540000	5358570000	5116310000	5733550000	5451960000	4
Heptachlor epoxide	4794850000	4673610000	4749650000	4554690000	5346870000	4823940000	6
Methoxychlor	1926110000	1918890000	1971480000	1982080000	2304580000	2020630000	8
Tetrachloro-m-xylene	2812300000	2762040000	2767280000	2751820000	3172230000	2853130000	6

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CALIBRATION FACTOR OF INITIAL CALIBRATION

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

Contract: CAMP02
SDG NO.: Q2514
Calibration Date(s): 06/17/2025 06/17/2025
Calibration Times: 15:52 16:47

GC Column: ZB-MR2 **ID:** 0.32 (mm)

LAB FILE ID: CF 100 = PD088993.D CF 075 = PD088994.D
CF 050 = PD088995.D CF 025 = PD088996.D CF 005 = PD088997.D

COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	17754100000	17899700000	18191100000	18805800000	22996200000	19129400000	11
4,4'-DDE	21343500000	21440200000	21823600000	22564100000	27409000000	22916100000	11
4,4'-DDT	19391000000	19327800000	19594100000	20005200000	23078500000	20279300000	8
Aldrin	22719200000	22747700000	23159400000	23852800000	28607200000	24217300000	10
alpha-BHC	25649000000	25438700000	25849200000	26153100000	30895500000	26797100000	9
alpha-Chlordane	21191300000	21145300000	21570900000	22517200000	28059300000	22896800000	13
beta-BHC	9903630000	9918550000	10198200000	10624100000	13086800000	10746200000	12
Decachlorobiphenyl	17946500000	17939700000	18428600000	19427500000	25107500000	19770000000	15
delta-BHC	23614400000	23533700000	23918700000	24298300000	29003000000	24873600000	9
Dieldrin	21438700000	21622000000	22120600000	22941800000	27919200000	23208500000	12
Endosulfan I	19170300000	19201000000	19315500000	20752900000	25772600000	20842500000	14
Endosulfan II	18473200000	18573800000	19087100000	20002300000	24846800000	20196600000	13
Endosulfan sulfate	17925600000	18043500000	18492500000	19409200000	24234500000	19621100000	13
Endrin	20535400000	19906600000	20644700000	21276500000	26206500000	21713900000	12
Endrin aldehyde	13773600000	13920200000	14379400000	15195500000	19287900000	15311300000	15
Endrin ketone	19587400000	19824900000	20446500000	21535300000	26614600000	21601700000	13
gamma-BHC (Lindane)	23622800000	23442000000	23749900000	24221500000	28748400000	24756900000	9
gamma-Chlordane	22229100000	22022500000	22519500000	23493700000	29348800000	23922700000	13
Heptachlor	23291600000	23365200000	23922200000	24716000000	29896800000	25038400000	11
Heptachlor epoxide	20080600000	20251900000	20827300000	21695300000	26635200000	21898100000	12
Methoxychlor	9712450000	9897880000	10259100000	10830900000	13140100000	10768100000	13
Tetrachloro-m-xylene	15879800000	15866400000	15978000000	16730900000	20310700000	16953200000	11

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** CAMP02

Lab Code: ACE **SDG NO.:** Q2514

Instrument ID: ECD_D **Date(s) Analyzed:** 06/17/2025 06/17/2025

GC Column: ZB-MR1 **ID:** 0.32 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Toxaphene	500	1	6.24	6.14	6.34	33601800
		2	6.44	6.34	6.54	47528600
		3	7.15	7.05	7.25	87292700
		4	7.56	7.46	7.66	111357000
		5	7.93	7.83	8.03	63112600

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** CAMP02

Lab Code: ACE **SDG NO.:** Q2514

Instrument ID: ECD_D **Date(s) Analyzed:** 06/17/2025 06/17/2025

GC Column: ZB-MR2 **ID:** 0.32 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Toxaphene	500	1	5.47	5.37	5.57	158160000
		2	5.65	5.55	5.75	108820000
		3	6.76	6.66	6.86	511856000
		4	7.20	7.10	7.30	350145000
		5	7.33	7.23	7.43	253920000

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CAMP02

Lab Code: ACE **SDG NO.:** Q2514

Continuing Calib Date: 07/07/2025 **Initial Calibration Date(s):** 06/17/2025 06/17/2025

Continuing Calib Time: 12:02 **Initial Calibration Time(s):** 15:52 16:47

GC Column: ZB-MR1 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.07	9.07	8.97	9.17	0.00
Tetrachloro-m-xylene	3.55	3.55	3.45	3.65	0.00
alpha-BHC	4.00	4.00	3.90	4.10	0.00
beta-BHC	4.51	4.52	4.42	4.62	0.01
delta-BHC	4.76	4.76	4.66	4.86	0.00
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.93	4.93	4.83	5.03	0.00
Aldrin	5.27	5.27	5.17	5.37	0.00
Heptachlor epoxide	5.69	5.69	5.59	5.79	0.00
Endosulfan I	6.07	6.08	5.98	6.18	0.01
Dieldrin	6.35	6.35	6.25	6.45	0.01
4,4'-DDE	6.19	6.20	6.10	6.30	0.01
Endrin	6.57	6.58	6.48	6.68	0.01
Endosulfan II	6.78	6.79	6.69	6.89	0.01
4,4'-DDD	6.70	6.71	6.61	6.81	0.01
Endosulfan sulfate	7.15	7.15	7.05	7.25	0.00
4,4'-DDT	7.02	7.02	6.92	7.12	0.00
Methoxychlor	7.49	7.49	7.39	7.59	0.00
Endrin ketone	7.63	7.63	7.53	7.73	0.00
Endrin aldehyde	6.91	6.92	6.82	7.02	0.01
alpha-Chlordane	6.03	6.03	5.93	6.13	0.00
gamma-Chlordane	5.94	5.95	5.85	6.05	0.01

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CAMP02

Lab Code: ACE **SDG NO.:** Q2514

Continuing Calib Date: 07/07/2025 **Initial Calibration Date(s):** 06/17/2025 06/17/2025

Continuing Calib Time: 12:02 **Initial Calibration Time(s):** 15:52 16:47

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	8.07	8.07	7.97	8.17	0.00
Tetrachloro-m-xylene	2.88	2.88	2.78	2.98	0.00
alpha-BHC	3.39	3.39	3.29	3.49	0.00
beta-BHC	4.02	4.03	3.93	4.13	0.01
delta-BHC	4.26	4.26	4.16	4.36	0.00
gamma-BHC (Lindane)	3.73	3.73	3.63	3.83	0.00
Heptachlor	4.08	4.08	3.98	4.18	0.00
Aldrin	4.37	4.37	4.27	4.47	0.00
Heptachlor epoxide	4.87	4.87	4.77	4.97	0.00
Endosulfan I	5.25	5.25	5.15	5.35	0.01
Dieldrin	5.51	5.51	5.41	5.61	0.00
4,4'-DDE	5.37	5.38	5.28	5.48	0.01
Endrin	5.79	5.79	5.69	5.89	0.00
Endosulfan II	6.08	6.08	5.98	6.18	0.00
4,4'-DDD	5.93	5.93	5.83	6.03	0.00
Endosulfan sulfate	6.48	6.48	6.38	6.58	0.00
4,4'-DDT	6.18	6.18	6.08	6.28	0.00
Methoxychlor	6.75	6.76	6.66	6.86	0.01
Endrin ketone	6.99	6.99	6.89	7.09	0.00
Endrin aldehyde	6.26	6.26	6.16	6.36	0.00
alpha-Chlordane	5.19	5.19	5.09	5.29	0.00
gamma-Chlordane	5.12	5.13	5.03	5.23	0.01

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CAMP02

Lab Code: ACE **SDG NO.:** Q2514

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/17/2025 06/17/2025

Client Sample No.: CCAL01 **Date Analyzed:** 07/07/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD089342.D **Time Analyzed:** 12:02

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.703	6.605	6.805	54.480	50.000	9.0
4,4'-DDE	6.194	6.096	6.296	55.240	50.000	10.5
4,4'-DDT	7.019	6.921	7.121	53.300	50.000	6.6
Aldrin	5.269	5.171	5.371	55.040	50.000	10.1
alpha-BHC	3.998	3.899	4.099	55.940	50.000	11.9
alpha-Chlordane	6.025	5.927	6.127	54.700	50.000	9.4
beta-BHC	4.514	4.415	4.615	53.810	50.000	7.6
Decachlorobiphenyl	9.070	8.972	9.172	48.860	50.000	-2.3
delta-BHC	4.763	4.664	4.864	58.660	50.000	17.3
Dieldrin	6.345	6.247	6.447	55.330	50.000	10.7
Endosulfan I	6.072	5.975	6.175	54.990	50.000	10.0
Endosulfan II	6.784	6.686	6.886	55.210	50.000	10.4
Endosulfan sulfate	7.148	7.049	7.249	51.710	50.000	3.4
Endrin	6.573	6.475	6.675	54.450	50.000	8.9
Endrin aldehyde	6.913	6.815	7.015	53.140	50.000	6.3
Endrin ketone	7.628	7.530	7.730	50.910	50.000	1.8
gamma-BHC (Lindane)	4.329	4.230	4.430	55.630	50.000	11.3
gamma-Chlordane	5.944	5.846	6.046	55.390	50.000	10.8
Heptachlor	4.928	4.829	5.029	55.190	50.000	10.4
Heptachlor epoxide	5.689	5.591	5.791	54.230	50.000	8.5
Methoxychlor	7.491	7.393	7.593	49.120	50.000	-1.8
Tetrachloro-m-xylene	3.549	3.450	3.650	53.260	50.000	6.5

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CAMP02

Lab Code: ACE **SDG NO.:** Q2514

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/17/2025 06/17/2025

Client Sample No.: CCAL01 **Date Analyzed:** 07/07/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD089342.D **Time Analyzed:** 12:02

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.928	5.830	6.030	53.560	50.000	7.1
4,4'-DDE	5.373	5.275	5.475	57.030	50.000	14.1
4,4'-DDT	6.181	6.084	6.284	56.700	50.000	13.4
Aldrin	4.367	4.269	4.469	56.710	50.000	13.4
alpha-BHC	3.392	3.293	3.493	56.500	50.000	13.0
alpha-Chlordane	5.187	5.091	5.291	56.030	50.000	12.1
beta-BHC	4.024	3.926	4.126	55.510	50.000	11.0
Decachlorobiphenyl	8.070	7.972	8.172	49.450	50.000	-1.1
delta-BHC	4.261	4.162	4.362	56.520	50.000	13.0
Dieldrin	5.511	5.413	5.613	56.420	50.000	12.8
Endosulfan I	5.245	5.147	5.347	58.470	50.000	16.9
Endosulfan II	6.078	5.981	6.181	56.080	50.000	12.2
Endosulfan sulfate	6.480	6.383	6.583	55.240	50.000	10.5
Endrin	5.787	5.689	5.889	55.490	50.000	11.0
Endrin aldehyde	6.257	6.159	6.359	55.170	50.000	10.3
Endrin ketone	6.989	6.892	7.092	53.700	50.000	7.4
gamma-BHC (Lindane)	3.727	3.630	3.830	56.510	50.000	13.0
gamma-Chlordane	5.122	5.026	5.226	55.920	50.000	11.8
Heptachlor	4.081	3.983	4.183	55.880	50.000	11.8
Heptachlor epoxide	4.869	4.773	4.973	56.040	50.000	12.1
Methoxychlor	6.752	6.655	6.855	52.880	50.000	5.8
Tetrachloro-m-xylene	2.880	2.780	2.980	55.560	50.000	11.1

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CAMP02

Lab Code: ACE **SDG NO.:** Q2514

Continuing Calib Date: 07/07/2025 **Initial Calibration Date(s):** 06/17/2025 06/17/2025

Continuing Calib Time: 16:27 **Initial Calibration Time(s):** 15:52 16:47

GC Column: ZB-MR1 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.07	9.07	8.97	9.17	0.00
Tetrachloro-m-xylene	3.55	3.55	3.45	3.65	0.00
alpha-BHC	4.00	4.00	3.90	4.10	0.00
beta-BHC	4.52	4.52	4.42	4.62	0.00
delta-BHC	4.76	4.76	4.66	4.86	0.00
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.93	4.93	4.83	5.03	0.00
Aldrin	5.27	5.27	5.17	5.37	0.00
Heptachlor epoxide	5.69	5.69	5.59	5.79	0.00
Endosulfan I	6.07	6.08	5.98	6.18	0.01
Dieldrin	6.35	6.35	6.25	6.45	0.00
4,4'-DDE	6.20	6.20	6.10	6.30	0.00
Endrin	6.57	6.58	6.48	6.68	0.01
Endosulfan II	6.79	6.79	6.69	6.89	0.01
4,4'-DDD	6.70	6.71	6.61	6.81	0.01
Endosulfan sulfate	7.15	7.15	7.05	7.25	0.00
4,4'-DDT	7.02	7.02	6.92	7.12	0.00
Methoxychlor	7.49	7.49	7.39	7.59	0.00
Endrin ketone	7.63	7.63	7.53	7.73	0.00
Endrin aldehyde	6.91	6.92	6.82	7.02	0.01
alpha-Chlordane	6.03	6.03	5.93	6.13	0.00
gamma-Chlordane	5.95	5.95	5.85	6.05	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CAMP02

Lab Code: ACE **SDG NO.:** Q2514

Continuing Calib Date: 07/07/2025 **Initial Calibration Date(s):** 06/17/2025 06/17/2025

Continuing Calib Time: 16:27 **Initial Calibration Time(s):** 15:52 16:47

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	8.07	8.07	7.97	8.17	0.00
Tetrachloro-m-xylene	2.88	2.88	2.78	2.98	0.00
alpha-BHC	3.39	3.39	3.29	3.49	0.00
beta-BHC	4.02	4.03	3.93	4.13	0.01
delta-BHC	4.26	4.26	4.16	4.36	0.00
gamma-BHC (Lindane)	3.73	3.73	3.63	3.83	0.00
Heptachlor	4.08	4.08	3.98	4.18	0.00
Aldrin	4.37	4.37	4.27	4.47	0.00
Heptachlor epoxide	4.87	4.87	4.77	4.97	0.00
Endosulfan I	5.25	5.25	5.15	5.35	0.00
Dieldrin	5.51	5.51	5.41	5.61	0.00
4,4'-DDE	5.37	5.38	5.28	5.48	0.01
Endrin	5.79	5.79	5.69	5.89	0.00
Endosulfan II	6.08	6.08	5.98	6.18	0.00
4,4'-DDD	5.93	5.93	5.83	6.03	0.00
Endosulfan sulfate	6.48	6.48	6.38	6.58	0.00
4,4'-DDT	6.18	6.18	6.08	6.28	0.00
Methoxychlor	6.75	6.76	6.66	6.86	0.01
Endrin ketone	6.99	6.99	6.89	7.09	0.00
Endrin aldehyde	6.26	6.26	6.16	6.36	0.00
alpha-Chlordane	5.19	5.19	5.09	5.29	0.00
gamma-Chlordane	5.12	5.13	5.03	5.23	0.01

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CAMP02

Lab Code: ACE **SDG NO.:** Q2514

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/17/2025 06/17/2025

Client Sample No.: CCAL02 **Date Analyzed:** 07/07/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD089357.D **Time Analyzed:** 16:27

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.704	6.605	6.805	48.940	50.000	-2.1
4,4'-DDE	6.195	6.096	6.296	50.220	50.000	0.4
4,4'-DDT	7.020	6.921	7.121	47.060	50.000	-5.9
Aldrin	5.270	5.171	5.371	54.180	50.000	8.4
alpha-BHC	3.999	3.899	4.099	56.080	50.000	12.2
alpha-Chlordane	6.026	5.927	6.127	50.810	50.000	1.6
beta-BHC	4.516	4.415	4.615	53.080	50.000	6.2
Decachlorobiphenyl	9.072	8.972	9.172	43.590	50.000	-12.8
delta-BHC	4.764	4.664	4.864	58.220	50.000	16.4
Dieldrin	6.346	6.247	6.447	50.000	50.000	0.0
Endosulfan I	6.073	5.975	6.175	50.940	50.000	1.9
Endosulfan II	6.785	6.686	6.886	49.670	50.000	-0.7
Endosulfan sulfate	7.149	7.049	7.249	46.970	50.000	-6.1
Endrin	6.574	6.475	6.675	49.200	50.000	-1.6
Endrin aldehyde	6.914	6.815	7.015	47.240	50.000	-5.5
Endrin ketone	7.629	7.530	7.730	45.600	50.000	-8.8
gamma-BHC (Lindane)	4.330	4.230	4.430	55.350	50.000	10.7
gamma-Chlordane	5.945	5.846	6.046	51.850	50.000	3.7
Heptachlor	4.929	4.829	5.029	54.900	50.000	9.8
Heptachlor epoxide	5.690	5.591	5.791	51.600	50.000	3.2
Methoxychlor	7.492	7.393	7.593	43.830	50.000	-12.3
Tetrachloro-m-xylene	3.550	3.450	3.650	53.260	50.000	6.5

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CAMP02

Lab Code: ACE **SDG NO.:** Q2514

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/17/2025 06/17/2025

Client Sample No.: CCAL02 **Date Analyzed:** 07/07/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD089357.D **Time Analyzed:** 16:27

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.928	5.830	6.030	49.790	50.000	-0.4
4,4'-DDE	5.374	5.275	5.475	55.190	50.000	10.4
4,4'-DDT	6.183	6.084	6.284	51.090	50.000	2.2
Aldrin	4.368	4.269	4.469	57.050	50.000	14.1
alpha-BHC	3.393	3.293	3.493	57.530	50.000	15.1
alpha-Chlordane	5.189	5.091	5.291	56.760	50.000	13.5
beta-BHC	4.024	3.926	4.126	56.260	50.000	12.5
Decachlorobiphenyl	8.071	7.972	8.172	40.430	50.000	-19.1
delta-BHC	4.261	4.162	4.362	57.120	50.000	14.2
Dieldrin	5.512	5.413	5.613	54.450	50.000	8.9
Endosulfan I	5.246	5.147	5.347	57.500	50.000	15.0
Endosulfan II	6.079	5.981	6.181	51.350	50.000	2.7
Endosulfan sulfate	6.481	6.383	6.583	50.300	50.000	0.6
Endrin	5.788	5.689	5.889	52.730	50.000	5.5
Endrin aldehyde	6.257	6.159	6.359	50.160	50.000	0.3
Endrin ketone	6.990	6.892	7.092	46.390	50.000	-7.2
gamma-BHC (Lindane)	3.729	3.630	3.830	56.490	50.000	13.0
gamma-Chlordane	5.123	5.026	5.226	54.860	50.000	9.7
Heptachlor	4.082	3.983	4.183	56.540	50.000	13.1
Heptachlor epoxide	4.870	4.773	4.973	56.040	50.000	12.1
Methoxychlor	6.753	6.655	6.855	47.310	50.000	-5.4
Tetrachloro-m-xylene	2.881	2.780	2.980	56.880	50.000	13.8

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CAMP02

Lab Code: ACE **SDG NO.:** Q2514

Continuing Calib Date: 07/07/2025 **Initial Calibration Date(s):** 06/17/2025 06/17/2025

Continuing Calib Time: 19:59 **Initial Calibration Time(s):** 15:52 16:47

GC Column: ZB-MR1 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.07	9.07	8.97	9.17	0.00
Tetrachloro-m-xylene	3.55	3.55	3.45	3.65	0.00
alpha-BHC	4.00	4.00	3.90	4.10	0.00
beta-BHC	4.52	4.52	4.42	4.62	0.01
delta-BHC	4.76	4.76	4.66	4.86	0.00
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.93	4.93	4.83	5.03	0.00
Aldrin	5.27	5.27	5.17	5.37	0.00
Heptachlor epoxide	5.69	5.69	5.59	5.79	0.00
Endosulfan I	6.07	6.08	5.98	6.18	0.01
Dieldrin	6.35	6.35	6.25	6.45	0.00
4,4'-DDE	6.20	6.20	6.10	6.30	0.00
Endrin	6.57	6.58	6.48	6.68	0.01
Endosulfan II	6.79	6.79	6.69	6.89	0.01
4,4'-DDD	6.70	6.71	6.61	6.81	0.01
Endosulfan sulfate	7.15	7.15	7.05	7.25	0.00
4,4'-DDT	7.02	7.02	6.92	7.12	0.00
Methoxychlor	7.49	7.49	7.39	7.59	0.00
Endrin ketone	7.63	7.63	7.53	7.73	0.00
Endrin aldehyde	6.91	6.92	6.82	7.02	0.01
alpha-Chlordane	6.03	6.03	5.93	6.13	0.00
gamma-Chlordane	5.95	5.95	5.85	6.05	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CAMP02

Lab Code: ACE **SDG NO.:** Q2514

Continuing Calib Date: 07/07/2025 **Initial Calibration Date(s):** 06/17/2025 06/17/2025

Continuing Calib Time: 19:59 **Initial Calibration Time(s):** 15:52 16:47

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	8.07	8.07	7.97	8.17	0.00
Tetrachloro-m-xylene	2.88	2.88	2.78	2.98	0.00
alpha-BHC	3.39	3.39	3.29	3.49	0.00
beta-BHC	4.03	4.03	3.93	4.13	0.00
delta-BHC	4.26	4.26	4.16	4.36	0.00
gamma-BHC (Lindane)	3.73	3.73	3.63	3.83	0.00
Heptachlor	4.08	4.08	3.98	4.18	0.00
Aldrin	4.37	4.37	4.27	4.47	0.00
Heptachlor epoxide	4.87	4.87	4.77	4.97	0.00
Endosulfan I	5.25	5.25	5.15	5.35	0.00
Dieldrin	5.51	5.51	5.41	5.61	0.00
4,4'-DDE	5.37	5.38	5.28	5.48	0.01
Endrin	5.79	5.79	5.69	5.89	0.00
Endosulfan II	6.08	6.08	5.98	6.18	0.00
4,4'-DDD	5.93	5.93	5.83	6.03	0.00
Endosulfan sulfate	6.48	6.48	6.38	6.58	0.00
4,4'-DDT	6.18	6.18	6.08	6.28	0.00
Methoxychlor	6.75	6.76	6.66	6.86	0.01
Endrin ketone	6.99	6.99	6.89	7.09	0.00
Endrin aldehyde	6.26	6.26	6.16	6.36	0.00
alpha-Chlordane	5.19	5.19	5.09	5.29	0.00
gamma-Chlordane	5.12	5.13	5.03	5.23	0.01

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CAMP02

Lab Code: ACE **SDG NO.:** Q2514

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/17/2025 06/17/2025

Client Sample No.: CCAL03 **Date Analyzed:** 07/07/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD089369.D **Time Analyzed:** 19:59

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.704	6.605	6.805	49.530	50.000	-0.9
4,4'-DDE	6.195	6.096	6.296	51.310	50.000	2.6
4,4'-DDT	7.020	6.921	7.121	46.530	50.000	-6.9
Aldrin	5.270	5.171	5.371	55.470	50.000	10.9
alpha-BHC	3.999	3.899	4.099	57.030	50.000	14.1
alpha-Chlordane	6.026	5.927	6.127	51.570	50.000	3.1
beta-BHC	4.515	4.415	4.615	54.330	50.000	8.7
Decachlorobiphenyl	9.071	8.972	9.172	42.700	50.000	-14.6
delta-BHC	4.763	4.664	4.864	59.780	50.000	19.6
Dieldrin	6.346	6.247	6.447	52.020	50.000	4.0
Endosulfan I	6.073	5.975	6.175	51.910	50.000	3.8
Endosulfan II	6.785	6.686	6.886	49.910	50.000	-0.2
Endosulfan sulfate	7.148	7.049	7.249	46.690	50.000	-6.6
Endrin	6.573	6.475	6.675	50.500	50.000	1.0
Endrin aldehyde	6.913	6.815	7.015	47.100	50.000	-5.8
Endrin ketone	7.629	7.530	7.730	45.350	50.000	-9.3
gamma-BHC (Lindane)	4.330	4.230	4.430	56.620	50.000	13.2
gamma-Chlordane	5.945	5.846	6.046	52.480	50.000	5.0
Heptachlor	4.929	4.829	5.029	56.020	50.000	12.0
Heptachlor epoxide	5.690	5.591	5.791	52.430	50.000	4.9
Methoxychlor	7.492	7.393	7.593	44.220	50.000	-11.6
Tetrachloro-m-xylene	3.550	3.450	3.650	54.050	50.000	8.1

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CAMP02

Lab Code: ACE **SDG NO.:** Q2514

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/17/2025 06/17/2025

Client Sample No.: CCAL03 **Date Analyzed:** 07/07/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD089369.D **Time Analyzed:** 19:59

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.929	5.830	6.030	51.220	50.000	2.4
4,4'-DDE	5.374	5.275	5.475	56.600	50.000	13.2
4,4'-DDT	6.183	6.084	6.284	52.240	50.000	4.5
Aldrin	4.368	4.269	4.469	58.350	50.000	16.7
alpha-BHC	3.393	3.293	3.493	58.820	50.000	17.6
alpha-Chlordane	5.189	5.091	5.291	58.480	50.000	17.0
beta-BHC	4.025	3.926	4.126	56.960	50.000	13.9
Decachlorobiphenyl	8.070	7.972	8.172	40.250	50.000	-19.5
delta-BHC	4.261	4.162	4.362	58.390	50.000	16.8
Dieldrin	5.512	5.413	5.613	55.870	50.000	11.7
Endosulfan I	5.246	5.147	5.347	59.210	50.000	18.4
Endosulfan II	6.079	5.981	6.181	52.960	50.000	5.9
Endosulfan sulfate	6.481	6.383	6.583	51.740	50.000	3.5
Endrin	5.788	5.689	5.889	54.820	50.000	9.6
Endrin aldehyde	6.258	6.159	6.359	50.860	50.000	1.7
Endrin ketone	6.990	6.892	7.092	47.030	50.000	-5.9
gamma-BHC (Lindane)	3.728	3.630	3.830	58.890	50.000	17.8
gamma-Chlordane	5.123	5.026	5.226	56.390	50.000	12.8
Heptachlor	4.082	3.983	4.183	57.740	50.000	15.5
Heptachlor epoxide	4.870	4.773	4.973	58.020	50.000	16.0
Methoxychlor	6.753	6.655	6.855	46.840	50.000	-6.3
Tetrachloro-m-xylene	2.881	2.780	2.980	57.660	50.000	15.3

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CAMP02

Lab Code: ACE **SDG NO.:** Q2514

Continuing Calib Date: 07/07/2025 **Initial Calibration Date(s):** 06/17/2025 06/17/2025

Continuing Calib Time: 22:17 **Initial Calibration Time(s):** 15:52 16:47

GC Column: ZB-MR1 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.07	9.07	8.97	9.17	0.00
Tetrachloro-m-xylene	3.55	3.55	3.45	3.65	0.00
alpha-BHC	4.00	4.00	3.90	4.10	0.00
beta-BHC	4.52	4.52	4.42	4.62	0.01
delta-BHC	4.76	4.76	4.66	4.86	0.00
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.93	4.93	4.83	5.03	0.00
Aldrin	5.27	5.27	5.17	5.37	0.00
Heptachlor epoxide	5.69	5.69	5.59	5.79	0.00
Endosulfan I	6.07	6.08	5.98	6.18	0.01
Dieldrin	6.35	6.35	6.25	6.45	0.00
4,4'-DDE	6.20	6.20	6.10	6.30	0.00
Endrin	6.57	6.58	6.48	6.68	0.01
Endosulfan II	6.78	6.79	6.69	6.89	0.01
4,4'-DDD	6.70	6.71	6.61	6.81	0.01
Endosulfan sulfate	7.15	7.15	7.05	7.25	0.00
4,4'-DDT	7.02	7.02	6.92	7.12	0.00
Methoxychlor	7.49	7.49	7.39	7.59	0.00
Endrin ketone	7.63	7.63	7.53	7.73	0.00
Endrin aldehyde	6.91	6.92	6.82	7.02	0.01
alpha-Chlordane	6.03	6.03	5.93	6.13	0.00
gamma-Chlordane	5.95	5.95	5.85	6.05	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CAMP02

Lab Code: ACE **SDG NO.:** Q2514

Continuing Calib Date: 07/07/2025 **Initial Calibration Date(s):** 06/17/2025 06/17/2025

Continuing Calib Time: 22:17 **Initial Calibration Time(s):** 15:52 16:47

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	8.07	8.07	7.97	8.17	0.00
Tetrachloro-m-xylene	2.88	2.88	2.78	2.98	0.00
alpha-BHC	3.39	3.39	3.29	3.49	0.00
beta-BHC	4.03	4.03	3.93	4.13	0.00
delta-BHC	4.26	4.26	4.16	4.36	0.00
gamma-BHC (Lindane)	3.73	3.73	3.63	3.83	0.00
Heptachlor	4.08	4.08	3.98	4.18	0.00
Aldrin	4.37	4.37	4.27	4.47	0.00
Heptachlor epoxide	4.87	4.87	4.77	4.97	0.00
Endosulfan I	5.24	5.25	5.15	5.35	0.01
Dieldrin	5.51	5.51	5.41	5.61	0.00
4,4'-DDE	5.37	5.38	5.28	5.48	0.01
Endrin	5.79	5.79	5.69	5.89	0.00
Endosulfan II	6.08	6.08	5.98	6.18	0.00
4,4'-DDD	5.93	5.93	5.83	6.03	0.00
Endosulfan sulfate	6.48	6.48	6.38	6.58	0.00
4,4'-DDT	6.18	6.18	6.08	6.28	0.00
Methoxychlor	6.75	6.76	6.66	6.86	0.01
Endrin ketone	6.99	6.99	6.89	7.09	0.00
Endrin aldehyde	6.26	6.26	6.16	6.36	0.00
alpha-Chlordane	5.19	5.19	5.09	5.29	0.00
gamma-Chlordane	5.12	5.13	5.03	5.23	0.01

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CAMP02

Lab Code: ACE **SDG NO.:** Q2514

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/17/2025 06/17/2025

Client Sample No.: CCAL04 **Date Analyzed:** 07/07/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD089377.D **Time Analyzed:** 22:17

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.704	6.605	6.805	52.200	50.000	4.4
4,4'-DDE	6.195	6.096	6.296	53.730	50.000	7.5
4,4'-DDT	7.019	6.921	7.121	49.740	50.000	-0.5
Aldrin	5.270	5.171	5.371	55.820	50.000	11.6
alpha-BHC	3.999	3.899	4.099	56.850	50.000	13.7
alpha-Chlordane	6.025	5.927	6.127	54.320	50.000	8.6
beta-BHC	4.515	4.415	4.615	54.310	50.000	8.6
Decachlorobiphenyl	9.071	8.972	9.172	44.530	50.000	-10.9
delta-BHC	4.763	4.664	4.864	59.660	50.000	19.3
Dieldrin	6.346	6.247	6.447	54.060	50.000	8.1
Endosulfan I	6.073	5.975	6.175	54.650	50.000	9.3
Endosulfan II	6.784	6.686	6.886	52.730	50.000	5.5
Endosulfan sulfate	7.147	7.049	7.249	50.060	50.000	0.1
Endrin	6.572	6.475	6.675	52.560	50.000	5.1
Endrin aldehyde	6.912	6.815	7.015	49.750	50.000	-0.5
Endrin ketone	7.628	7.530	7.730	48.190	50.000	-3.6
gamma-BHC (Lindane)	4.329	4.230	4.430	56.570	50.000	13.1
gamma-Chlordane	5.945	5.846	6.046	55.030	50.000	10.1
Heptachlor	4.928	4.829	5.029	55.670	50.000	11.3
Heptachlor epoxide	5.689	5.591	5.791	54.160	50.000	8.3
Methoxychlor	7.491	7.393	7.593	45.800	50.000	-8.4
Tetrachloro-m-xylene	3.550	3.450	3.650	53.920	50.000	7.8

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CAMP02

Lab Code: ACE **SDG NO.:** Q2514

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/17/2025 06/17/2025

Client Sample No.: CCAL04 **Date Analyzed:** 07/07/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD089377.D **Time Analyzed:** 22:17

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.928	5.830	6.030	53.580	50.000	7.2
4,4'-DDE	5.373	5.275	5.475	57.860	50.000	15.7
4,4'-DDT	6.182	6.084	6.284	55.170	50.000	10.3
Aldrin	4.368	4.269	4.469	58.730	50.000	17.5
alpha-BHC	3.393	3.293	3.493	59.330	50.000	18.7
alpha-Chlordane	5.189	5.091	5.291	58.970	50.000	17.9
beta-BHC	4.025	3.926	4.126	57.770	50.000	15.5
Decachlorobiphenyl	8.070	7.972	8.172	42.800	50.000	-14.4
delta-BHC	4.261	4.162	4.362	58.900	50.000	17.8
Dieldrin	5.510	5.413	5.613	57.500	50.000	15.0
Endosulfan I	5.244	5.147	5.347	58.000	50.000	16.0
Endosulfan II	6.079	5.981	6.181	55.640	50.000	11.3
Endosulfan sulfate	6.481	6.383	6.583	54.110	50.000	8.2
Endrin	5.788	5.689	5.889	57.670	50.000	15.3
Endrin aldehyde	6.257	6.159	6.359	54.140	50.000	8.3
Endrin ketone	6.989	6.892	7.092	49.870	50.000	-0.3
gamma-BHC (Lindane)	3.727	3.630	3.830	59.160	50.000	18.3
gamma-Chlordane	5.122	5.026	5.226	57.280	50.000	14.6
Heptachlor	4.082	3.983	4.183	58.260	50.000	16.5
Heptachlor epoxide	4.870	4.773	4.973	58.620	50.000	17.2
Methoxychlor	6.752	6.655	6.855	50.770	50.000	1.5
Tetrachloro-m-xylene	2.881	2.780	2.980	58.340	50.000	16.7

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PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CAMP02

Lab Code: ACE **SDG NO.:** Q2514

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/17/2025 06/17/2025

Client Sample No. (PEM): PEM - PD088991.D **Date Analyzed:** 06/17/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 15:25

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.071	8.970	9.170	21.440	20.000	7.2
Tetrachloro-m-xylene	3.550	3.500	3.600	19.860	20.000	-0.7
alpha-BHC	3.999	3.950	4.050	8.970	10.000	-10.3
beta-BHC	4.514	4.460	4.560	9.720	10.000	-2.8
gamma-BHC (Lindane)	4.330	4.280	4.380	9.320	10.000	-6.8
Endrin	6.574	6.500	6.640	50.260	50.000	0.5
4,4'-DDT	7.020	6.950	7.090	100.820	100.000	0.8
Methoxychlor	7.493	7.420	7.560	229.880	250.000	-8.0

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/17/2025 06/17/2025

Client Sample No. (PEM): PEM - PD088991.D **Date Analyzed:** 06/17/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 15:25

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	8.072	7.970	8.170	21.290	20.000	6.5
Tetrachloro-m-xylene	2.880	2.830	2.930	20.440	20.000	2.2
alpha-BHC	3.393	3.340	3.440	10.570	10.000	5.7
beta-BHC	4.025	3.970	4.080	10.750	10.000	7.5
gamma-BHC (Lindane)	3.729	3.680	3.780	10.580	10.000	5.8
Endrin	5.789	5.720	5.860	50.490	50.000	1.0
4,4'-DDT	6.183	6.110	6.250	96.080	100.000	-3.9
Methoxychlor	6.754	6.680	6.820	198.860	250.000	-20.5

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PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CAMP02

Lab Code: ACE **SDG NO.:** Q2514

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/17/2025 06/17/2025

Client Sample No. (PEM): PEM - PD089341.D **Date Analyzed:** 07/07/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 11:48

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.069	8.970	9.170	22.360	20.000	11.8
Tetrachloro-m-xylene	3.548	3.500	3.600	22.130	20.000	10.7
alpha-BHC	3.998	3.950	4.050	10.370	10.000	3.7
beta-BHC	4.514	4.460	4.560	11.480	10.000	14.8
gamma-BHC (Lindane)	4.328	4.280	4.380	10.940	10.000	9.4
Endrin	6.572	6.500	6.640	56.430	50.000	12.9
4,4'-DDT	7.018	6.950	7.090	108.090	100.000	8.1
Methoxychlor	7.491	7.420	7.560	241.700	250.000	-3.3

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/17/2025 06/17/2025

Client Sample No. (PEM): PEM - PD089341.D **Date Analyzed:** 07/07/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 11:48

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	8.070	7.970	8.170	22.270	20.000	11.4
Tetrachloro-m-xylene	2.880	2.830	2.930	23.940	20.000	19.7
alpha-BHC	3.392	3.340	3.440	12.570	10.000	25.7
beta-BHC	4.024	3.970	4.070	12.570	10.000	25.7
gamma-BHC (Lindane)	3.727	3.680	3.780	12.430	10.000	24.3
Endrin	5.788	5.720	5.860	56.770	50.000	13.5
4,4'-DDT	6.182	6.110	6.250	111.020	100.000	11.0
Methoxychlor	6.752	6.680	6.820	217.880	250.000	-12.8

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PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CAMP02

Lab Code: ACE **SDG NO.:** Q2514

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/17/2025 06/17/2025

Client Sample No. (PEM): PEM - PD089368.D **Date Analyzed:** 07/07/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 19:46

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.071	8.970	9.170	18.640	20.000	-6.8
Tetrachloro-m-xylene	3.550	3.500	3.600	22.170	20.000	10.9
alpha-BHC	3.999	3.950	4.050	10.380	10.000	3.8
beta-BHC	4.515	4.460	4.570	11.320	10.000	13.2
gamma-BHC (Lindane)	4.330	4.280	4.380	10.810	10.000	8.1
Endrin	6.573	6.500	6.640	50.760	50.000	1.5
4,4'-DDT	7.020	6.950	7.090	93.780	100.000	-6.2
Methoxychlor	7.492	7.420	7.560	209.510	250.000	-16.2

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/17/2025 06/17/2025

Client Sample No. (PEM): PEM - PD089368.D **Date Analyzed:** 07/07/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 19:46

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	8.070	7.970	8.170	17.220	20.000	-13.9
Tetrachloro-m-xylene	2.881	2.830	2.930	24.710	20.000	23.6
alpha-BHC	3.393	3.340	3.440	13.230	10.000	32.3
beta-BHC	4.025	3.970	4.080	12.720	10.000	27.2
gamma-BHC (Lindane)	3.728	3.680	3.780	12.690	10.000	26.9
Endrin	5.788	5.720	5.860	54.990	50.000	10.0
4,4'-DDT	6.182	6.110	6.250	100.920	100.000	0.9
Methoxychlor	6.752	6.680	6.820	197.940	250.000	-20.8

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Analytical Sequence

Client: CDM Smith **SDG No.:** Q2514

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

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 06/17/2025 06/17/2025

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

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	06/17/2025	15:11	PD088990.D	9.07	3.55
PEM	PEM	06/17/2025	15:25	PD088991.D	9.07	3.55
RESCHK	RESCHK	06/17/2025	15:39	PD088992.D	9.07	3.55
PSTDICC100	PSTDICC100	06/17/2025	15:52	PD088993.D	9.07	3.55
PSTDICC075	PSTDICC075	06/17/2025	16:06	PD088994.D	9.07	3.55
PSTDICC050	PSTDICC050	06/17/2025	16:20	PD088995.D	9.07	3.55
PSTDICC025	PSTDICC025	06/17/2025	16:33	PD088996.D	9.07	3.55
PSTDICC005	PSTDICC005	06/17/2025	16:47	PD088997.D	9.07	3.55
PCHLORICC500	PCHLORICC500	06/17/2025	17:28	PD089000.D	9.07	3.55
PTOXICC500	PTOXICC500	06/17/2025	18:36	PD089005.D	9.07	3.55
I.BLK	I.BLK	07/07/2025	11:34	PD089340.D	9.07	3.55
PEM	PEM	07/07/2025	11:48	PD089341.D	9.07	3.55
PSTDCCC050	PSTDCCC050	07/07/2025	12:02	PD089342.D	9.07	3.55
PB168736BL	PB168736BL	07/07/2025	15:07	PD089353.D	9.08	3.55
PB168736BS	PB168736BS	07/07/2025	15:44	PD089354.D	9.08	3.55
I.BLK	I.BLK	07/07/2025	16:13	PD089356.D	9.07	3.55
PSTDCCC050	PSTDCCC050	07/07/2025	16:27	PD089357.D	9.07	3.55
TP-92	Q2514-01	07/07/2025	17:56	PD089360.D	9.07	3.55
TP-92MS	Q2514-01MS	07/07/2025	18:10	PD089361.D	9.07	3.55
TP-92MSD	Q2514-01MSD	07/07/2025	18:23	PD089362.D	9.07	3.55
TP-93	Q2514-02	07/07/2025	18:37	PD089363.D	9.07	3.55
TP-94	Q2514-03	07/07/2025	18:51	PD089364.D	9.07	3.55
TP-96	Q2514-04	07/07/2025	19:04	PD089365.D	9.07	3.55
TP-97	Q2514-05	07/07/2025	19:18	PD089366.D	9.07	3.55
I.BLK	I.BLK	07/07/2025	19:32	PD089367.D	9.07	3.55
PEM	PEM	07/07/2025	19:46	PD089368.D	9.07	3.55
PSTDCCC050	PSTDCCC050	07/07/2025	19:59	PD089369.D	9.07	3.55
TP-103	Q2514-06	07/07/2025	20:41	PD089370.D	9.07	3.55
TP-36	Q2514-07	07/07/2025	20:54	PD089371.D	9.07	3.55
TP-78	Q2514-08	07/07/2025	21:08	PD089372.D	9.07	3.55
TP-81	Q2514-09	07/07/2025	21:22	PD089373.D	9.07	3.55
TP-90	Q2514-10	07/07/2025	21:35	PD089374.D	9.07	3.55
I.BLK	I.BLK	07/07/2025	22:03	PD089376.D	9.07	3.55
PSTDCCC050	PSTDCCC050	07/07/2025	22:17	PD089377.D	9.07	3.55

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Analytical Sequence

Client: CDM Smith **SDG No.:** Q2514

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

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 06/17/2025 06/17/2025

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

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	06/17/2025	15:11	PD088990.D	8.07	2.88
PEM	PEM	06/17/2025	15:25	PD088991.D	8.07	2.88
RESCHK	RESCHK	06/17/2025	15:39	PD088992.D	8.07	2.88
PSTDICC100	PSTDICC100	06/17/2025	15:52	PD088993.D	8.07	2.88
PSTDICC075	PSTDICC075	06/17/2025	16:06	PD088994.D	8.07	2.88
PSTDICC050	PSTDICC050	06/17/2025	16:20	PD088995.D	8.07	2.88
PSTDICC025	PSTDICC025	06/17/2025	16:33	PD088996.D	8.07	2.88
PSTDICC005	PSTDICC005	06/17/2025	16:47	PD088997.D	8.07	2.88
PCHLORICC500	PCHLORICC500	06/17/2025	17:28	PD089000.D	8.07	2.88
PTOXICC500	PTOXICC500	06/17/2025	18:36	PD089005.D	8.07	2.88
I.BLK	I.BLK	07/07/2025	11:34	PD089340.D	8.07	2.88
PEM	PEM	07/07/2025	11:48	PD089341.D	8.07	2.88
PSTDCCC050	PSTDCCC050	07/07/2025	12:02	PD089342.D	8.07	2.88
PB168736BL	PB168736BL	07/07/2025	15:07	PD089353.D	8.07	2.88
PB168736BS	PB168736BS	07/07/2025	15:44	PD089354.D	8.07	2.88
I.BLK	I.BLK	07/07/2025	16:13	PD089356.D	8.07	2.88
PSTDCCC050	PSTDCCC050	07/07/2025	16:27	PD089357.D	8.07	2.88
TP-92	Q2514-01	07/07/2025	17:56	PD089360.D	8.07	2.88
TP-92MS	Q2514-01MS	07/07/2025	18:10	PD089361.D	8.07	2.88
TP-92MSD	Q2514-01MSD	07/07/2025	18:23	PD089362.D	8.07	2.88
TP-93	Q2514-02	07/07/2025	18:37	PD089363.D	8.07	2.88
TP-94	Q2514-03	07/07/2025	18:51	PD089364.D	8.07	2.88
TP-96	Q2514-04	07/07/2025	19:04	PD089365.D	8.07	2.88
TP-97	Q2514-05	07/07/2025	19:18	PD089366.D	8.07	2.88
I.BLK	I.BLK	07/07/2025	19:32	PD089367.D	8.07	2.88
PEM	PEM	07/07/2025	19:46	PD089368.D	8.07	2.88
PSTDCCC050	PSTDCCC050	07/07/2025	19:59	PD089369.D	8.07	2.88
TP-103	Q2514-06	07/07/2025	20:41	PD089370.D	8.07	2.88
TP-36	Q2514-07	07/07/2025	20:54	PD089371.D	8.07	2.88
TP-78	Q2514-08	07/07/2025	21:08	PD089372.D	8.07	2.88
TP-81	Q2514-09	07/07/2025	21:22	PD089373.D	8.07	2.88
TP-90	Q2514-10	07/07/2025	21:35	PD089374.D	8.07	2.88
I.BLK	I.BLK	07/07/2025	22:03	PD089376.D	8.07	2.88
PSTDCCC050	PSTDCCC050	07/07/2025	22:17	PD089377.D	8.07	2.88

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB168736BS

Lab Name: Alliance **Contract:** CAMP02

Lab Code: ACE **SDG NO.:** Q2514

Lab Sample ID: PB168736BS **Date(s) Analyzed:** 07/07/2025 07/07/2025

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

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
4,4'-DDD	1	6.71	6.66	6.76	16.3	7.7
	2	5.93	5.88	5.98	17.6	
4,4'-DDE	1	6.20	6.15	6.25	16.0	13.4
	2	5.37	5.32	5.42	18.3	
4,4'-DDT	1	7.02	6.97	7.07	16.0	7.2
	2	6.18	6.13	6.23	17.2	
alpha-BHC	1	4.00	3.95	4.05	17.9	4.9
	2	3.39	3.34	3.44	18.8	
Aldrin	1	5.27	5.22	5.32	17.6	6.6
	2	4.37	4.32	4.42	18.8	
alpha-Chlordane	1	6.03	5.98	6.08	16.8	9.6
	2	5.19	5.14	5.24	18.5	
Endosulfan II	1	6.79	6.74	6.84	16.6	4.7
	2	6.08	6.03	6.13	17.4	
Endosulfan sulfate	1	7.15	7.10	7.20	15.8	5.5
	2	6.48	6.43	6.53	16.7	
beta-BHC	1	4.52	4.47	4.57	17.0	7.4
	2	4.03	3.98	4.08	18.3	
delta-BHC	1	4.77	4.72	4.82	18.7	1.1
	2	4.26	4.21	4.31	18.9	
Endosulfan I	1	6.08	6.03	6.13	16.8	10.7
	2	5.25	5.20	5.30	18.7	
Dieldrin	1	6.35	6.30	6.40	16.6	8.6
	2	5.51	5.46	5.56	18.1	
Endrin aldehyde	1	6.92	6.87	6.97	16.1	4.8
	2	6.26	6.21	6.31	16.9	
Methoxychlor	1	7.50	7.45	7.55	14.6	8.5
	2	6.75	6.70	6.80	15.9	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB168736BS

Lab Name: Alliance **Contract:** CAMP02

Lab Code: ACE **SDG NO.:** Q2514

Lab Sample ID: PB168736BS **Date(s) Analyzed:** 07/07/2025 07/07/2025

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

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Endrin ketone	1	7.63	7.58	7.68	15.4	2.6
	2	6.99	6.94	7.04	15.8	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	17.8	5.5
	2	3.73	3.68	3.78	18.8	
Heptachlor	1	4.93	4.88	4.98	17.9	3.8
	2	4.08	4.03	4.13	18.6	
Heptachlor epoxide	1	5.69	5.64	5.74	17.1	10.5
	2	4.87	4.82	4.92	19.0	
gamma-Chlordane	1	5.95	5.90	6.00	16.9	9.6
	2	5.13	5.08	5.18	18.6	
Endrin	1	6.58	6.53	6.63	16.4	5.9
	2	5.79	5.74	5.84	17.4	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TP-92MS

Lab Name: Alliance **Contract:** CAMP02

Lab Code: ACE **SDG NO.:** Q2514

Lab Sample ID: Q2514-01MS **Date(s) Analyzed:** 07/07/2025 07/07/2025

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

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Heptachlor	1	4.93	4.88	4.98	15.5	10.4
	2	4.08	4.03	4.13	17.2	
Aldrin	1	5.27	5.22	5.32	15.2	11.8
	2	4.37	4.32	4.42	17.1	
beta-BHC	1	4.52	4.47	4.57	15.8	9.6
	2	4.03	3.98	4.08	17.4	
delta-BHC	1	4.76	4.71	4.81	16.9	1.2
	2	4.26	4.21	4.31	17.1	
Heptachlor epoxide	1	5.69	5.64	5.74	14.3	13.7
	2	4.87	4.82	4.92	16.4	
Endosulfan I	1	6.07	6.02	6.12	14.0	12.1
	2	5.25	5.20	5.30	15.8	
gamma-Chlordane	1	5.95	5.90	6.00	13.9	12.2
	2	5.12	5.07	5.17	15.7	
alpha-Chlordane	1	6.03	5.98	6.08	13.9	11.5
	2	5.19	5.14	5.24	15.6	
4,4'-DDE	1	6.20	6.15	6.25	13.7	11.7
	2	5.37	5.32	5.42	15.4	
Dieldrin	1	6.35	6.30	6.40	13.4	10.6
	2	5.51	5.46	5.56	14.9	
Endrin	1	6.57	6.52	6.62	13.6	2.9
	2	5.79	5.74	5.84	14.0	
Endosulfan II	1	6.79	6.74	6.84	13.2	1.5
	2	6.08	6.03	6.13	13.0	
4,4'-DDD	1	6.70	6.65	6.75	13.0	0.8
	2	5.93	5.88	5.98	12.9	
4,4'-DDT	1	7.02	6.97	7.07	12.2	5.6
	2	6.18	6.13	6.23	12.9	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TP-92MS

Lab Name: Alliance **Contract:** CAMP02

Lab Code: ACE **SDG NO.:** Q2514

Lab Sample ID: Q2514-01MS **Date(s) Analyzed:** 07/07/2025 07/07/2025

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

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Endrin aldehyde	1	6.91	6.86	6.96	12.8	0
	2	6.26	6.21	6.31	12.8	
Endosulfan sulfate	1	7.15	7.10	7.20	12.9	0.8
	2	6.48	6.43	6.53	13.0	
Methoxychlor	1	7.49	7.44	7.54	11.1	8.6
	2	6.75	6.70	6.80	12.1	
Endrin ketone	1	7.63	7.58	7.68	12.2	8.5
	2	6.99	6.94	7.04	11.2	
alpha-BHC	1	4.00	3.95	4.05	16.0	11.2
	2	3.39	3.34	3.44	17.9	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	16.3	8.8
	2	3.73	3.68	3.78	17.8	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TP-92MSD

Lab Name: Alliance **Contract:** CAMP02

Lab Code: ACE **SDG NO.:** Q2514

Lab Sample ID: Q2514-01MSD **Date(s) Analyzed:** 07/07/2025 07/07/2025

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

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Endosulfan II	1	6.79	6.74	6.84	13.3	4.4
	2	6.08	6.03	6.13	13.9	
4,4'-DDD	1	6.70	6.65	6.75	13.4	2.2
	2	5.93	5.88	5.98	13.7	
4,4'-DDT	1	7.02	6.97	7.07	12.8	9
	2	6.18	6.13	6.23	14.0	
Endrin aldehyde	1	6.91	6.86	6.96	13.5	0.7
	2	6.26	6.21	6.31	13.6	
Endosulfan sulfate	1	7.15	7.10	7.20	12.6	7.6
	2	6.48	6.43	6.53	13.6	
alpha-BHC	1	4.00	3.95	4.05	16.4	8.7
	2	3.39	3.34	3.44	17.9	
Aldrin	1	5.27	5.22	5.32	15.7	10.3
	2	4.37	4.32	4.42	17.4	
beta-BHC	1	4.52	4.47	4.57	15.8	11.3
	2	4.02	3.97	4.07	17.7	
delta-BHC	1	4.76	4.71	4.81	17.6	1.7
	2	4.26	4.21	4.31	17.3	
Endosulfan I	1	6.07	6.02	6.12	14.5	15.3
	2	5.25	5.20	5.30	16.9	
alpha-Chlordane	1	6.03	5.98	6.08	14.5	13.5
	2	5.19	5.14	5.24	16.6	
4,4'-DDE	1	6.20	6.15	6.25	14.0	14
	2	5.37	5.32	5.42	16.1	
Dieldrin	1	6.35	6.30	6.40	13.8	10.3
	2	5.51	5.46	5.56	15.3	
Endrin	1	6.57	6.52	6.62	14.0	5.6
	2	5.79	5.74	5.84	14.8	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TP-92MSD

Lab Name: Alliance **Contract:** CAMP02

Lab Code: ACE **SDG NO.:** Q2514

Lab Sample ID: Q2514-01MSD **Date(s) Analyzed:** 07/07/2025 07/07/2025

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

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Methoxychlor	1	7.49	7.44	7.54	12.1	7.2
	2	6.75	6.70	6.80	13.0	
Endrin ketone	1	7.63	7.58	7.68	12.6	3.2
	2	6.99	6.94	7.04	12.2	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	16.3	9.4
	2	3.73	3.68	3.78	17.9	
Heptachlor	1	4.93	4.88	4.98	16.3	6.5
	2	4.08	4.03	4.13	17.4	
Heptachlor epoxide	1	5.69	5.64	5.74	14.7	13.9
	2	4.87	4.82	4.92	16.9	
gamma-Chlordane	1	5.95	5.90	6.00	14.7	9.1
	2	5.12	5.07	5.17	16.1	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TP-93

Lab Name: Alliance **Contract:** CAMP02

Lab Code: ACE **SDG NO.:** Q2514

Lab Sample ID: Q2514-02 **Date(s) Analyzed:** 07/07/2025 07/07/2025

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

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
alpha-Chlordane	1	6.03	5.98	6.08	0.36	17.1
	2	5.19	5.14	5.24	0.30	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TP-94

Lab Name: Alliance **Contract:** CAMP02

Lab Code: ACE **SDG NO.:** Q2514

Lab Sample ID: Q2514-03 **Date(s) Analyzed:** 07/07/2025 07/07/2025

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

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
4,4'-DDT	1	7.02	6.97	7.07	0.39	34.5
	2	6.18	6.13	6.23	0.55	
4,4'-DDE	1	6.20	6.15	6.25	0.23	56.6
	2	5.37	5.32	5.42	0.42	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TP-96

Lab Name: Alliance **Contract:** CAMP02

Lab Code: ACE **SDG NO.:** Q2514

Lab Sample ID: Q2514-04 **Date(s) Analyzed:** 07/07/2025 07/07/2025

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

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
4,4'-DDT	1	7.02	6.97	7.07	0.24	32.9
	2	6.18	6.13	6.23	0.33	

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LAB CHRONICLE

OrderID:	Q2514	**OrderDate:**	7/3/2025 1:29:00 PM
Client:	CDM Smith	**Project:**	South River WM Replacement
Contact:	Marcie Ann Encinas	**Location:**	O21,O22,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2514-01	**TP-92**	**SOIL**			**07/02/25**			**07/03/25**
			PCB	8082A		07/07/25	07/08/25	
			Pesticide-TCL	8081B		07/07/25	07/07/25	
Q2514-02	**TP-93**	**SOIL**			**07/02/25**			**07/03/25**
			PCB	8082A		07/07/25	07/08/25	
			Pesticide-TCL	8081B		07/07/25	07/07/25	
Q2514-03	**TP-94**	**SOIL**			**07/02/25**			**07/03/25**
			PCB	8082A		07/07/25	07/08/25	
			Pesticide-TCL	8081B		07/07/25	07/07/25	
Q2514-04	**TP-96**	**SOIL**			**07/02/25**			**07/03/25**
			PCB	8082A		07/07/25	07/08/25	
			Pesticide-TCL	8081B		07/07/25	07/07/25	
Q2514-05	**TP-97**	**SOIL**			**07/02/25**			**07/03/25**
			PCB	8082A		07/07/25	07/08/25	
			Pesticide-TCL	8081B		07/07/25	07/07/25	
Q2514-06	**TP-103**	**SOIL**			**07/02/25**			**07/03/25**
			PCB	8082A		07/07/25	07/08/25	
			Pesticide-TCL	8081B		07/07/25	07/07/25	
Q2514-07	**TP-36**	**SOIL**			**07/03/25**			**07/03/25**
			PCB	8082A		07/07/25	07/08/25	
			Pesticide-TCL	8081B		07/07/25	07/07/25	
Q2514-08	**TP-78**	**SOIL**			**07/03/25**			**07/03/25**
			PCB	8082A		07/07/25	07/08/25	
			Pesticide-TCL	8081B		07/07/25	07/07/25	
Q2514-09	**TP-81**	**SOIL**			**07/03/25**			**07/03/25**

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LAB CHRONICLE

			PCB	8082A		07/07/25	07/08/25
			Pesticide-TCL	8081B		07/07/25	07/07/25
Q2514-10	**TP-90**	**SOIL**			**07/03/25**		**07/03/25**
			PCB	8082A		07/07/25	07/08/25
			Pesticide-TCL	8081B		07/07/25	07/07/25

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Hit Summary Sheet
SW-846

SDG No.: Q2514 **Order ID:** Q2514

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-92	SDG No.:	Q2514
Lab Sample ID:	Q2514-01	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	87.4 Decanted:
Sample Wt/Vol:	30.07 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO112065.D	1	07/07/25 08:30	07/08/25 00:29	PB168735

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.50	U	4.50	19.4	ug/kg
11104-28-2	Aroclor-1221	4.60	U	4.60	19.4	ug/kg
11141-16-5	Aroclor-1232	4.20	U	4.20	19.4	ug/kg
53469-21-9	Aroclor-1242	4.60	U	4.60	19.4	ug/kg
12672-29-6	Aroclor-1248	6.80	U	6.80	19.4	ug/kg
11097-69-1	Aroclor-1254	3.70	U	3.70	19.4	ug/kg
37324-23-5	Aroclor-1262	5.70	U	5.70	19.4	ug/kg
11100-14-4	Aroclor-1268	4.10	U	4.10	19.4	ug/kg
11096-82-5	Aroclor-1260	3.70	U	3.70	19.4	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.4		32 - 144	102%	SPK: 20
2051-24-3	Decachlorobiphenyl	10.4		32 - 175	52%	SPK: 20

Comments:

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

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-93	SDG No.:	Q2514
Lab Sample ID:	Q2514-02	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	87.7 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO112066.D	1	07/07/25 08:30	07/08/25 00:46	PB168735

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.50	U	4.50	19.4	ug/kg
11104-28-2	Aroclor-1221	4.60	U	4.60	19.4	ug/kg
11141-16-5	Aroclor-1232	4.20	U	4.20	19.4	ug/kg
53469-21-9	Aroclor-1242	4.60	U	4.60	19.4	ug/kg
12672-29-6	Aroclor-1248	6.70	U	6.70	19.4	ug/kg
11097-69-1	Aroclor-1254	3.70	U	3.70	19.4	ug/kg
37324-23-5	Aroclor-1262	5.70	U	5.70	19.4	ug/kg
11100-14-4	Aroclor-1268	4.10	U	4.10	19.4	ug/kg
11096-82-5	Aroclor-1260	3.70	U	3.70	19.4	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	18.2		32 - 144	91%	SPK: 20
2051-24-3	Decachlorobiphenyl	12.8		32 - 175	64%	SPK: 20

Comments:

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-94	SDG No.:	Q2514
Lab Sample ID:	Q2514-03	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	88.1 Decanted:
Sample Wt/Vol:	30.08 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO112073.D	1	07/07/25 08:30	07/08/25 05:44	PB168735

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.50	U	4.50	19.2	ug/kg
11104-28-2	Aroclor-1221	4.60	U	4.60	19.2	ug/kg
11141-16-5	Aroclor-1232	4.20	U	4.20	19.2	ug/kg
53469-21-9	Aroclor-1242	4.50	U	4.50	19.2	ug/kg
12672-29-6	Aroclor-1248	6.70	U	6.70	19.2	ug/kg
11097-69-1	Aroclor-1254	3.60	U	3.60	19.2	ug/kg
37324-23-5	Aroclor-1262	5.70	U	5.70	19.2	ug/kg
11100-14-4	Aroclor-1268	4.10	U	4.10	19.2	ug/kg
11096-82-5	Aroclor-1260	3.70	U	3.70	19.2	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.5		32 - 144	108%	SPK: 20
2051-24-3	Decachlorobiphenyl	13.8		32 - 175	69%	SPK: 20

Comments:

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-96	SDG No.:	Q2514
Lab Sample ID:	Q2514-04	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	85.8 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO112074.D	1	07/07/25 08:30	07/08/25 06:02	PB168735

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.60	U	4.60	19.8	ug/kg
11104-28-2	Aroclor-1221	4.70	U	4.70	19.8	ug/kg
11141-16-5	Aroclor-1232	4.30	U	4.30	19.8	ug/kg
53469-21-9	Aroclor-1242	4.70	U	4.70	19.8	ug/kg
12672-29-6	Aroclor-1248	6.90	U	6.90	19.8	ug/kg
11097-69-1	Aroclor-1254	3.70	U	3.70	19.8	ug/kg
37324-23-5	Aroclor-1262	5.80	U	5.80	19.8	ug/kg
11100-14-4	Aroclor-1268	4.20	U	4.20	19.8	ug/kg
11096-82-5	Aroclor-1260	3.80	U	3.80	19.8	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.5		32 - 144	102%	SPK: 20
2051-24-3	Decachlorobiphenyl	14.3		32 - 175	72%	SPK: 20

Comments:

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-97	SDG No.:	Q2514
Lab Sample ID:	Q2514-05	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	85 Decanted:
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO112075.D	1	07/07/25 08:30	07/08/25 06:21	PB168735

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.60	U	4.60	20.0	ug/kg
11104-28-2	Aroclor-1221	4.70	U	4.70	20.0	ug/kg
11141-16-5	Aroclor-1232	4.40	U	4.40	20.0	ug/kg
53469-21-9	Aroclor-1242	4.70	U	4.70	20.0	ug/kg
12672-29-6	Aroclor-1248	7.00	U	7.00	20.0	ug/kg
11097-69-1	Aroclor-1254	3.80	U	3.80	20.0	ug/kg
37324-23-5	Aroclor-1262	5.90	U	5.90	20.0	ug/kg
11100-14-4	Aroclor-1268	4.20	U	4.20	20.0	ug/kg
11096-82-5	Aroclor-1260	3.80	U	3.80	20.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.1		32 - 144	100%	SPK: 20
2051-24-3	Decachlorobiphenyl	13.3		32 - 175	66%	SPK: 20

Comments:

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-103	SDG No.:	Q2514
Lab Sample ID:	Q2514-06	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	86.5 Decanted:
Sample Wt/Vol:	30.04 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO112076.D	1	07/07/25 08:30	07/08/25 06:39	PB168735

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.60	U	4.60	19.6	ug/kg
11104-28-2	Aroclor-1221	4.70	U	4.70	19.6	ug/kg
11141-16-5	Aroclor-1232	4.30	U	4.30	19.6	ug/kg
53469-21-9	Aroclor-1242	4.60	U	4.60	19.6	ug/kg
12672-29-6	Aroclor-1248	6.80	U	6.80	19.6	ug/kg
11097-69-1	Aroclor-1254	3.70	U	3.70	19.6	ug/kg
37324-23-5	Aroclor-1262	5.80	U	5.80	19.6	ug/kg
11100-14-4	Aroclor-1268	4.20	U	4.20	19.6	ug/kg
11096-82-5	Aroclor-1260	3.70	U	3.70	19.6	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.1		32 - 144	101%	SPK: 20
2051-24-3	Decachlorobiphenyl	13.2		32 - 175	66%	SPK: 20

Comments:

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/03/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-36	SDG No.:	Q2514
Lab Sample ID:	Q2514-07	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	90.3 Decanted:
Sample Wt/Vol:	30.06 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO112077.D	1	07/07/25 08:30	07/08/25 06:58	PB168735

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.40	U	4.40	18.8	ug/kg
11104-28-2	Aroclor-1221	4.50	U	4.50	18.8	ug/kg
11141-16-5	Aroclor-1232	4.10	U	4.10	18.8	ug/kg
53469-21-9	Aroclor-1242	4.40	U	4.40	18.8	ug/kg
12672-29-6	Aroclor-1248	6.50	U	6.50	18.8	ug/kg
11097-69-1	Aroclor-1254	3.50	U	3.50	18.8	ug/kg
37324-23-5	Aroclor-1262	5.50	U	5.50	18.8	ug/kg
11100-14-4	Aroclor-1268	4.00	U	4.00	18.8	ug/kg
11096-82-5	Aroclor-1260	3.60	U	3.60	18.8	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.6		32 - 144	108%	SPK: 20
2051-24-3	Decachlorobiphenyl	15.7		32 - 175	79%	SPK: 20

Comments:

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Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	CDM Smith	Date Collected:	07/03/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-78	SDG No.:	Q2514
Lab Sample ID:	Q2514-08	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	86.3 Decanted:
Sample Wt/Vol:	30.09 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO112078.D	1	07/07/25 08:30	07/08/25 07:16	PB168735

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.60	U	4.60	19.6	ug/kg
11104-28-2	Aroclor-1221	4.70	U	4.70	19.6	ug/kg
11141-16-5	Aroclor-1232	4.30	U	4.30	19.6	ug/kg
53469-21-9	Aroclor-1242	4.60	U	4.60	19.6	ug/kg
12672-29-6	Aroclor-1248	6.80	U	6.80	19.6	ug/kg
11097-69-1	Aroclor-1254	3.70	U	3.70	19.6	ug/kg
37324-23-5	Aroclor-1262	5.80	U	5.80	19.6	ug/kg
11100-14-4	Aroclor-1268	4.20	U	4.20	19.6	ug/kg
11096-82-5	Aroclor-1260	3.70	U	3.70	19.6	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	18.9		32 - 144	94%	SPK: 20
2051-24-3	Decachlorobiphenyl	10.9		32 - 175	54%	SPK: 20

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() = 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:	07/03/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-81	SDG No.:	Q2514
Lab Sample ID:	Q2514-09	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	86.3 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO112079.D	1	07/07/25 08:30	07/08/25 07:35	PB168735

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.60	U	4.60	19.7	ug/kg
11104-28-2	Aroclor-1221	4.70	U	4.70	19.7	ug/kg
11141-16-5	Aroclor-1232	4.30	U	4.30	19.7	ug/kg
53469-21-9	Aroclor-1242	4.60	U	4.60	19.7	ug/kg
12672-29-6	Aroclor-1248	6.90	U	6.90	19.7	ug/kg
11097-69-1	Aroclor-1254	3.70	U	3.70	19.7	ug/kg
37324-23-5	Aroclor-1262	5.80	U	5.80	19.7	ug/kg
11100-14-4	Aroclor-1268	4.20	U	4.20	19.7	ug/kg
11096-82-5	Aroclor-1260	3.70	U	3.70	19.7	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.4		32 - 144	97%	SPK: 20
2051-24-3	Decachlorobiphenyl	10.0		32 - 175	50%	SPK: 20

Comments:

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

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/03/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-90	SDG No.:	Q2514
Lab Sample ID:	Q2514-10	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	91.6 Decanted:
Sample Wt/Vol:	30.04 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO112080.D	1	07/07/25 08:30	07/08/25 07:53	PB168735

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.30	U	4.30	18.5	ug/kg
11104-28-2	Aroclor-1221	4.40	U	4.40	18.5	ug/kg
11141-16-5	Aroclor-1232	4.10	U	4.10	18.5	ug/kg
53469-21-9	Aroclor-1242	4.40	U	4.40	18.5	ug/kg
12672-29-6	Aroclor-1248	6.50	U	6.50	18.5	ug/kg
11097-69-1	Aroclor-1254	3.50	U	3.50	18.5	ug/kg
37324-23-5	Aroclor-1262	5.50	U	5.50	18.5	ug/kg
11100-14-4	Aroclor-1268	3.90	U	3.90	18.5	ug/kg
11096-82-5	Aroclor-1260	3.50	U	3.50	18.5	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	22.2		32 - 144	111%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.0		32 - 175	85%	SPK: 20

Comments:

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

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

QC SUMMARY

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Surrogate Summary

SDG No.: Q2514

Client: CDM Smith

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%) Low	Limits(%) High
I.BLK-PO111586.D	PIBLK-PO111586.D	Tetrachloro-m-xyl	1	20	20.3	102		60	140
		Decachlorobiphen	1	20	20.7	104		60	140
		Tetrachloro-m-xyl	2	20	19.0	95		60	140
		Decachlorobiphen	2	20	20.5	103		60	140
I.BLK-PO112056.D	PIBLK-PO112056.D	Tetrachloro-m-xyl	1	20	18.8	94		60	140
		Decachlorobiphen	1	20	16.8	84		60	140
		Tetrachloro-m-xyl	2	20	16.9	85		60	140
		Decachlorobiphen	2	20	17.1	86		60	140
PB168735BL	PB168735BL	Tetrachloro-m-xyl	1	20	20.5	103		32	144
		Decachlorobiphen	1	20	18.0	90		32	175
		Tetrachloro-m-xyl	2	20	18.6	93		32	144
		Decachlorobiphen	2	20	18.5	92		32	175
PB168735BS	PB168735BS	Tetrachloro-m-xyl	1	20	19.5	98		32	144
		Decachlorobiphen	1	20	18.3	92		32	175
		Tetrachloro-m-xyl	2	20	17.5	87		32	144
		Decachlorobiphen	2	20	18.5	92		32	175
Q2513-03MS	HR-3-070325MS	Tetrachloro-m-xyl	1	20	15.0	75		32	144
		Decachlorobiphen	1	20	9.84	49		32	175
		Tetrachloro-m-xyl	2	20	13.8	69		32	144
		Decachlorobiphen	2	20	12.3	61		32	175
Q2513-03MSD	HR-3-070325MSD	Tetrachloro-m-xyl	1	20	14.9	74		32	144
		Decachlorobiphen	1	20	10.3	52		32	175
		Tetrachloro-m-xyl	2	20	13.6	68		32	144
		Decachlorobiphen	2	20	13.0	65		32	175
Q2514-01	TP-92	Tetrachloro-m-xyl	1	20	20.4	102		32	144
		Decachlorobiphen	1	20	8.01	40		32	175
		Tetrachloro-m-xyl	2	20	17.8	89		32	144
		Decachlorobiphen	2	20	10.4	52		32	175
Q2514-02	TP-93	Tetrachloro-m-xyl	1	20	18.2	91		32	144
		Decachlorobiphen	1	20	10.4	52		32	175
		Tetrachloro-m-xyl	2	20	16.4	82		32	144
		Decachlorobiphen	2	20	12.8	64		32	175
I.BLK-PO112072.D	PIBLK-PO112072.D	Tetrachloro-m-xyl	1	20	20.6	103		60	140
		Decachlorobiphen	1	20	16.1	80		60	140
		Tetrachloro-m-xyl	2	20	18.3	92		60	140
		Decachlorobiphen	2	20	17.4	87		60	140
Q2514-03	TP-94	Tetrachloro-m-xyl	1	20	21.5	108		32	144
		Decachlorobiphen	1	20	13.1	65		32	175
		Tetrachloro-m-xyl	2	20	18.8	94		32	144
		Decachlorobiphen	2	20	13.8	69		32	175
Q2514-04	TP-96	Tetrachloro-m-xyl	1	20	20.5	102		32	144

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Surrogate Summary

SDG No.: Q2514

Client: CDM Smith

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%) Low	Limits(%) High
Q2514-04	TP-96	Decachlorobiphen	1	20	12.9	65		32	175
		Tetrachloro-m-xyl	2	20	18.0	90		32	144
		Decachlorobiphen	2	20	14.3	72		32	175
Q2514-05	TP-97	Tetrachloro-m-xyl	1	20	20.1	100		32	144
		Decachlorobiphen	1	20	12.2	61		32	175
		Tetrachloro-m-xyl	2	20	17.5	87		32	144
		Decachlorobiphen	2	20	13.3	66		32	175
Q2514-06	TP-103	Tetrachloro-m-xyl	1	20	20.1	101		32	144
		Decachlorobiphen	1	20	12.4	62		32	175
		Tetrachloro-m-xyl	2	20	17.6	88		32	144
		Decachlorobiphen	2	20	13.2	66		32	175
Q2514-07	TP-36	Tetrachloro-m-xyl	1	20	21.6	108		32	144
		Decachlorobiphen	1	20	15.4	77		32	175
		Tetrachloro-m-xyl	2	20	18.9	94		32	144
		Decachlorobiphen	2	20	15.7	79		32	175
Q2514-08	TP-78	Tetrachloro-m-xyl	1	20	18.9	94		32	144
		Decachlorobiphen	1	20	10.9	54		32	175
		Tetrachloro-m-xyl	2	20	16.7	84		32	144
		Decachlorobiphen	2	20	10.9	54		32	175
Q2514-09	TP-81	Tetrachloro-m-xyl	1	20	19.4	97		32	144
		Decachlorobiphen	1	20	9.85	49		32	175
		Tetrachloro-m-xyl	2	20	17.2	86		32	144
		Decachlorobiphen	2	20	10.0	50		32	175
Q2514-10	TP-90	Tetrachloro-m-xyl	1	20	22.2	111		32	144
		Decachlorobiphen	1	20	16.5	83		32	175
		Tetrachloro-m-xyl	2	20	19.6	98		32	144
		Decachlorobiphen	2	20	17.0	85		32	175
I.BLK-PO112085.D	PIBLK-PO112085.D	Tetrachloro-m-xyl	1	20	17.8	89		60	140
		Decachlorobiphen	1	20	14.5	72		60	140
		Tetrachloro-m-xyl	2	20	11.4	57	*	60	140
		Decachlorobiphen	2	20	11.1	55	*	60	140

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2514 **Analytical Method:** 8082A

Client: CDM Smith **DataFile :** PO112063.D

	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID:	**Q2513-03MS (Column 1)**	**Client Sample ID:**		**HR-3-070325MS**								
	AR1016	176.2	0	118	ug/kg	67				55	146	
	AR1260	176.2	0	105	ug/kg	60				54	119	
Lab Sample ID:	**Q2513-03MS (Column 2)**	**Client Sample ID:**		**HR-3-070325MS**								
	AR1016	176.2	0	115	ug/kg	65				55	146	
	AR1260	176.2	0	112	ug/kg	64				54	119	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2514 **Analytical Method:** 8082A

Client: CDM Smith **DataFile :** PO112064.D

	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID:	**Q2513-03MSD (Column 1)**	**Client Sample ID:**		**HR-3-070325MSD**								
	AR1016	176.4	0	109	ug/kg	62		8		55	146	15
	AR1260	176.4	0	107	ug/kg	61		2		54	119	15
Lab Sample ID:	**Q2513-03MSD (Column 2)**	**Client Sample ID:**		**HR-3-070325MSD**								
	AR1016	176.4	0	119	ug/kg	67		3		55	146	15
	AR1260	176.4	0	114	ug/kg	65		2		54	119	15

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2514 **Analytical Method:** 8082A

Client: CDM Smith **Datafile :** PO112058.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB168735BS (Column 1)	AR1016	166.6	145	ug/kg	87				71	120	
	AR1260	166.6	163	ug/kg	98				65	130	
PB168735BS (Column 2)	AR1016	166.6	150	ug/kg	90				71	120	
	AR1260	166.6	152	ug/kg	91				65	130	

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4C

PESTICIDE METHOD BLANK SUMMARY

Client ID: PB168735BL

Lab Name: Alliance | Contract: CAMP02

Lab Code: ACE | SDG NO.: Q2514

Lab Sample ID: PB168735BL | Lab File ID: PO112057.D

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

Sulfur Cleanup: (Y/N) N | Date Extracted: 07/07/2025

Date Analyzed (1): 07/07/2025 | Date Analyzed (2): 07/07/2025

Time Analyzed (1): 22:01 | Time Analyzed (2): 22:01

Instrument ID (1): ECD_O | Instrument ID (2): ECD_O

GC Column (1): ZB-MR1 ID: 0.32 (mm) | GC Column (2): ZB-MR2 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
PB168735BS	PB168735BS	PO112058.D	07/07/2025	07/07/2025
HR-3-070325MS	Q2513-03MS	PO112063.D	07/07/2025	07/07/2025
HR-3-070325MSD	Q2513-03MSD	PO112064.D	07/08/2025	07/08/2025
TP-92	Q2514-01	PO112065.D	07/08/2025	07/08/2025
TP-93	Q2514-02	PO112066.D	07/08/2025	07/08/2025
TP-94	Q2514-03	PO112073.D	07/08/2025	07/08/2025
TP-96	Q2514-04	PO112074.D	07/08/2025	07/08/2025
TP-97	Q2514-05	PO112075.D	07/08/2025	07/08/2025
TP-103	Q2514-06	PO112076.D	07/08/2025	07/08/2025
TP-36	Q2514-07	PO112077.D	07/08/2025	07/08/2025
TP-78	Q2514-08	PO112078.D	07/08/2025	07/08/2025
TP-81	Q2514-09	PO112079.D	07/08/2025	07/08/2025
TP-90	Q2514-10	PO112080.D	07/08/2025	07/08/2025

COMMENTS:

CALIBRATION SUMMARY

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RETENTION TIMES OF INITIAL CALIBRATION

Lab Name: Alliance **Contract:** CAMP02

Lab Code: ACE **SDG NO.:** Q2514

Instrument ID: ECD_O **Calibration Date(s):** 06/11/2025 06/11/2025

Calibration Times: 10:40 19:07

GC Column: ZB-MR1 ID: 0.32 (mm)

LAB FILE ID: RT 1000 = PO111587.D RT 750 = PO111588.D

RT 500 = PO111589.D RT 250 = PO111590.D RT 050 = PO111591.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	4.77	4.77	4.77	4.77	4.77	4.77	4.67	4.87
Aroclor-1016-2	(2)	4.78	4.79	4.78	4.79	4.78	4.78	4.68	4.88
Aroclor-1016-3	(3)	4.84	4.84	4.84	4.84	4.84	4.84	4.74	4.94
Aroclor-1016-4	(4)	4.96	4.96	4.96	4.96	4.96	4.96	4.86	5.06
Aroclor-1016-5	(5)	5.22	5.22	5.22	5.22	5.22	5.22	5.12	5.32
Aroclor-1260-1	(1)	6.26	6.26	6.26	6.26	6.26	6.26	6.16	6.36
Aroclor-1260-2	(2)	6.45	6.45	6.45	6.45	6.45	6.45	6.35	6.55
Aroclor-1260-3	(3)	6.81	6.81	6.81	6.81	6.81	6.81	6.71	6.91
Aroclor-1260-4	(4)	7.07	7.07	7.07	7.07	7.07	7.07	6.97	7.17
Aroclor-1260-5	(5)	7.32	7.32	7.32	7.32	7.32	7.32	7.22	7.42
Decachlorobiphenyl		8.71	8.71	8.71	8.71	8.71	8.71	8.61	8.81
Tetrachloro-m-xylene		3.68	3.68	3.68	3.68	3.68	3.68	3.58	3.78
Aroclor-1242-1	(1)	4.77	4.77	4.77	4.76	4.77	4.77	4.67	4.87
Aroclor-1242-2	(2)	4.79	4.79	4.78	4.78	4.78	4.78	4.68	4.88
Aroclor-1242-3	(3)	4.84	4.84	4.84	4.84	4.84	4.84	4.74	4.94
Aroclor-1242-4	(4)	4.96	4.96	4.96	4.96	4.96	4.96	4.86	5.06
Aroclor-1242-5	(5)	5.61	5.61	5.61	5.61	5.61	5.61	5.51	5.71
Decachlorobiphenyl		8.71	8.71	8.71	8.71	8.71	8.71	8.61	8.81
Tetrachloro-m-xylene		3.68	3.68	3.68	3.68	3.68	3.68	3.58	3.78
Aroclor-1248-1	(1)	4.77	4.77	4.76	4.76	4.76	4.76	4.66	4.86
Aroclor-1248-2	(2)	5.01	5.00	5.00	5.00	5.00	5.00	4.90	5.10
Aroclor-1248-3	(3)	5.22	5.22	5.22	5.22	5.22	5.22	5.12	5.32
Aroclor-1248-4	(4)	5.57	5.57	5.57	5.57	5.57	5.57	5.47	5.67
Aroclor-1248-5	(5)	5.61	5.61	5.61	5.61	5.61	5.61	5.51	5.71
Decachlorobiphenyl		8.71	8.71	8.71	8.71	8.71	8.71	8.61	8.81
Tetrachloro-m-xylene		3.68	3.68	3.68	3.68	3.68	3.68	3.58	3.78
Aroclor-1254-1	(1)	5.57	5.57	5.57	5.57	5.57	5.57	5.47	5.67
Aroclor-1254-2	(2)	5.72	5.72	5.72	5.72	5.72	5.72	5.62	5.82
Aroclor-1254-3	(3)	6.12	6.13	6.13	6.13	6.12	6.13	6.03	6.23
Aroclor-1254-4	(4)	6.35	6.36	6.36	6.35	6.35	6.35	6.25	6.45
Aroclor-1254-5	(5)	6.77	6.78	6.78	6.77	6.77	6.77	6.67	6.87
Decachlorobiphenyl		8.71	8.71	8.71	8.71	8.71	8.71	8.61	8.81
Tetrachloro-m-xylene		3.68	3.68	3.68	3.68	3.68	3.68	3.58	3.78
Aroclor-1268-1	(1)	7.60	7.60	7.60	7.60	7.60	7.60	7.50	7.70
Aroclor-1268-2	(2)	7.67	7.67	7.67	7.67	7.66	7.67	7.57	7.77
Aroclor-1268-3	(3)	7.87	7.87	7.87	7.87	7.87	7.87	7.77	7.97
Aroclor-1268-4	(4)	8.16	8.16	8.16	8.16	8.16	8.16	8.06	8.26
Aroclor-1268-5	(5)	8.46	8.46	8.46	8.46	8.45	8.46	8.36	8.56

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RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	8.71	8.71	8.71	8.71	8.71	8.71	8.61	8.81
Tetrachloro-m-xylene	3.68	3.68	3.68	3.68	3.68	3.68	3.58	3.78

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RETENTION TIMES OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_O
Contract: CAMP02
SDG NO.: Q2514
Calibration Date(s): 06/11/2025 06/11/2025
Calibration Times: 10:40 19:07

GC Column: ZB-MR2 ID: 0.32 (mm)

LAB FILE ID: RT 1000 = PO111587.D RT 750 = PO111588.D
RT 500 = PO111589.D RT 250 = PO111590.D RT 050 = PO111591.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	4.75	4.75	4.75	4.75	4.75	4.75	4.65	4.85
Aroclor-1016-2	(2)	4.77	4.77	4.77	4.77	4.77	4.77	4.67	4.87
Aroclor-1016-3	(3)	4.94	4.94	4.94	4.94	4.94	4.94	4.84	5.04
Aroclor-1016-4	(4)	4.99	4.99	4.99	4.99	4.99	4.99	4.89	5.09
Aroclor-1016-5	(5)	5.20	5.20	5.20	5.20	5.20	5.20	5.10	5.30
Aroclor-1260-1	(1)	6.23	6.23	6.23	6.23	6.23	6.23	6.13	6.33
Aroclor-1260-2	(2)	6.42	6.42	6.42	6.42	6.42	6.42	6.32	6.52
Aroclor-1260-3	(3)	6.57	6.57	6.57	6.57	6.57	6.57	6.47	6.67
Aroclor-1260-4	(4)	7.04	7.04	7.04	7.04	7.04	7.04	6.94	7.14
Aroclor-1260-5	(5)	7.28	7.28	7.28	7.28	7.28	7.28	7.18	7.38
Decachlorobiphenyl		8.66	8.66	8.66	8.66	8.66	8.66	8.56	8.76
Tetrachloro-m-xylene		3.67	3.67	3.67	3.67	3.67	3.67	3.57	3.77
Aroclor-1242-1	(1)	4.75	4.75	4.75	4.75	4.75	4.75	4.65	4.85
Aroclor-1242-2	(2)	4.77	4.77	4.77	4.77	4.77	4.77	4.67	4.87
Aroclor-1242-3	(3)	4.94	4.94	4.94	4.94	4.94	4.94	4.84	5.04
Aroclor-1242-4	(4)	5.03	5.03	5.03	5.03	5.03	5.03	4.93	5.13
Aroclor-1242-5	(5)	5.55	5.55	5.55	5.55	5.55	5.55	5.45	5.65
Decachlorobiphenyl		8.66	8.66	8.66	8.66	8.66	8.66	8.56	8.76
Tetrachloro-m-xylene		3.67	3.67	3.67	3.67	3.67	3.67	3.57	3.77
Aroclor-1248-1	(1)	4.75	4.75	4.75	4.75	4.75	4.75	4.65	4.85
Aroclor-1248-2	(2)	4.99	4.99	4.99	4.99	4.99	4.99	4.89	5.09
Aroclor-1248-3	(3)	5.03	5.03	5.03	5.03	5.03	5.03	4.93	5.13
Aroclor-1248-4	(4)	5.20	5.20	5.20	5.20	5.20	5.20	5.10	5.30
Aroclor-1248-5	(5)	5.59	5.59	5.59	5.59	5.59	5.59	5.49	5.69
Decachlorobiphenyl		8.66	8.66	8.66	8.66	8.66	8.66	8.56	8.76
Tetrachloro-m-xylene		3.67	3.67	3.67	3.67	3.67	3.67	3.57	3.77
Aroclor-1254-1	(1)	5.55	5.55	5.55	5.55	5.55	5.55	5.45	5.65
Aroclor-1254-2	(2)	5.70	5.70	5.70	5.70	5.70	5.70	5.60	5.80
Aroclor-1254-3	(3)	6.10	6.10	6.10	6.10	6.10	6.10	6.00	6.20
Aroclor-1254-4	(4)	6.33	6.33	6.33	6.33	6.33	6.33	6.23	6.43
Aroclor-1254-5	(5)	6.74	6.74	6.74	6.74	6.74	6.74	6.64	6.84
Decachlorobiphenyl		8.66	8.66	8.66	8.66	8.66	8.66	8.56	8.76
Tetrachloro-m-xylene		3.67	3.67	3.67	3.67	3.67	3.67	3.57	3.77
Aroclor-1268-1	(1)	7.56	7.56	7.56	7.56	7.56	7.56	7.46	7.66
Aroclor-1268-2	(2)	7.63	7.63	7.63	7.63	7.63	7.63	7.53	7.73
Aroclor-1268-3	(3)	7.83	7.83	7.83	7.83	7.83	7.83	7.73	7.93
Aroclor-1268-4	(4)	8.12	8.12	8.12	8.12	8.12	8.12	8.02	8.22
Aroclor-1268-5	(5)	8.41	8.41	8.41	8.41	8.41	8.41	8.31	8.51

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RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	8.66	8.66	8.66	8.66	8.66	8.66	8.56	8.76
Tetrachloro-m-xylene	3.67	3.67	3.67	3.67	3.67	3.67	3.57	3.77

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CALIBRATION FACTOR OF INITIAL CALIBRATION

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

Contract: CAMP02
SDG NO.: Q2514
Calibration Date(s): 06/11/2025 06/11/2025
Calibration Times: 10:40 19:07

GC Column: ZB-MR1 **ID:** 0.32 (mm)

LAB FILE ID: CF 1000 = PO111587.D CF 750 = PO111588.D
CF 500 = PO111589.D CF 250 = PO111590.D CF 050 = PO111591.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	220511854	230179169	244104994	255923844	242047420	238553456	6
Aroclor-1016-2	(2)	319525390	333752768	345607420	360231916	304600680	332743635	7
Aroclor-1016-3	(3)	218699222	228973452	241664208	255477324	205889780	230140797	8
Aroclor-1016-4	(4)	174886969	182974663	191580278	204290796	173581000	185462741	7
Aroclor-1016-5	(5)	177464979	184697736	193390828	207039800	170624200	186643509	8
Aroclor-1260-1	(1)	321794228	337454645	358028956	426721964	332609080	355321775	12
Aroclor-1260-2	(2)	433743230	452724105	474832224	506755684	494307920	472472633	6
Aroclor-1260-3	(3)	393522712	410790572	429624930	441759844	447671720	424673956	5
Aroclor-1260-4	(4)	282329615	299358140	315388464	327883556	347275780	314447111	8
Aroclor-1260-5	(5)	781713901	810719289	832144010	867226572	826835640	823727882	4
Decachlorobiphenyl		4901811500	5109294200	5313242720	5581051480	5340821400	5249244260	5
Tetrachloro-m-xylene		5558158730	5743696387	5927517640	6035511000	5532196200	5759415991	4
Aroclor-1242-1	(1)	189891715	199375873	208390472	218835528	190726000	201443918	6
Aroclor-1242-2	(2)	269264014	283815699	295038528	310860236	249854560	281766607	8
Aroclor-1242-3	(3)	185208795	198314185	205655032	216442696	188497160	198823574	6
Aroclor-1242-4	(4)	148912444	156458187	164284520	169958380	151372200	158197146	6
Aroclor-1242-5	(5)	154468521	166978497	176155118	183078792	155400820	167216350	8
Decachlorobiphenyl		4880711810	5081655560	5262786220	5522085600	4928788200	5135205478	5
Tetrachloro-m-xylene		5456812090	5681549133	5847202300	6031977960	5214216400	5646351577	6
Aroclor-1248-1	(1)	145884945	152954188	162370132	170480356	174637940	161265512	7
Aroclor-1248-2	(2)	193392956	203021513	214142790	221601180	245868320	215605352	9
Aroclor-1248-3	(3)	243691383	258111092	270734920	294861996	281294320	269738742	7
Aroclor-1248-4	(4)	355904013	376445483	398411334	426549232	441707040	399803420	9
Aroclor-1248-5	(5)	249802900	267040200	283633312	302535740	301041360	280810702	8
Decachlorobiphenyl		4929616300	5142061960	5420744260	5685225920	6003686400	5436266968	8
Tetrachloro-m-xylene		5626812480	5847124520	6076407960	6245856240	6492772200	6057794680	6
Aroclor-1254-1	(1)	375291496	390445984	409053510	418326128	532236220	425070668	15
Aroclor-1254-2	(2)	334554268	347730616	365467502	374564136	475325660	379528436	15
Aroclor-1254-3	(3)	528273778	541799637	566990470	566909168	652766900	571347991	8
Aroclor-1254-4	(4)	330811190	344690741	356705876	353681912	358524400	348882824	3
Aroclor-1254-5	(5)	481176015	491854427	511981248	504869196	570769000	512129977	7
Decachlorobiphenyl		5009210160	5167761240	5403649020	5380598200	6191612600	5430566244	8
Tetrachloro-m-xylene		5724223470	6030704747	6021777640	5926293200	6653717200	6071343251	6
Aroclor-1268-1	(1)	1033906302	1058286327	1096846802	1155194040	1288627080	1126572110	9

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	906036168	918687719	954310100	989229764	1117888140	977230378	9
Aroclor-1268-3	(3)	760320035	776861388	800241936	843634592	917077000	819626990	8
Aroclor-1268-4	(4)	324679419	326739527	344775706	356707332	367012100	343982817	5
Aroclor-1268-5	(5)	2115204224	2135729147	2187245170	2254511260	2409521900	2220442340	5
Decachlorobiphenyl		8820062120	9005455773	9339565760	9886719320	10604055600	9531171715	8
Tetrachloro-m-xylene		5944441710	6079157480	6269391520	6520960080	6795679200	6321925998	5

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CALIBRATION FACTOR OF INITIAL CALIBRATION

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

Contract: CAMP02
SDG NO.: Q2514
Calibration Date(s): 06/11/2025 06/11/2025
Calibration Times: 10:40 19:07

GC Column: ZB-MR2 **ID:** 0.32 (mm)

LAB FILE ID: CF 1000 = PO111587.D CF 750 = PO111588.D
CF 500 = PO111589.D CF 250 = PO111590.D CF 050 = PO111591.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	180839726	189231809	196263600	204676936	212823680	196767150	6
Aroclor-1016-2	(2)	269525798	277038755	287808724	296313292	293716580	284880630	4
Aroclor-1016-3	(3)	141401189	146814288	152988496	158088464	151904200	150239327	4
Aroclor-1016-4	(4)	112384684	117918833	124672358	128074364	125886140	121787276	5
Aroclor-1016-5	(5)	145637432	151733320	158595618	164650128	175375940	159198488	7
Aroclor-1260-1	(1)	232933493	242290633	253160914	265400132	260795120	250916058	5
Aroclor-1260-2	(2)	272930024	283658681	293882326	306210008	313403160	294016840	6
Aroclor-1260-3	(3)	248293091	256892847	265761412	279567532	285382000	267179376	6
Aroclor-1260-4	(4)	171150736	180595663	190038668	201212768	207483680	190096303	8
Aroclor-1260-5	(5)	395557404	413148045	424269490	442012232	450112560	425019946	5
Decachlorobiphenyl		1664373530	1742647173	1808169220	1884747160	1788371000	1777661617	5
Tetrachloro-m-xylene		5585912110	5701804613	5792994800	5795065440	5210609600	5617277313	4
Aroclor-1242-1	(1)	152168573	159777101	166064310	176069720	159718720	162759685	5
Aroclor-1242-2	(2)	225834322	234974032	243469856	251904876	224121580	236060933	5
Aroclor-1242-3	(3)	119492390	123624105	129191264	135018820	120620420	125589400	5
Aroclor-1242-4	(4)	114585972	119959547	125650318	133140376	119457260	122558695	6
Aroclor-1242-5	(5)	141763911	149312545	155170630	161394704	141804460	149889250	6
Decachlorobiphenyl		1628957800	1697321880	1768741900	1847187720	1627451400	1713932140	6
Tetrachloro-m-xylene		5447566380	5592119960	5668881340	5704776560	4755587600	5433786368	7
Aroclor-1248-1	(1)	118834435	122872489	131279096	140544936	152890960	133284383	10
Aroclor-1248-2	(2)	160429628	168292228	179033076	186589356	196432880	178155434	8
Aroclor-1248-3	(3)	169865875	177833136	187951664	198291792	213246720	189437837	9
Aroclor-1248-4	(4)	200486745	209433661	222430720	237578848	271687720	228323539	12
Aroclor-1248-5	(5)	195830172	205941008	216128424	227994268	242930420	217764858	8
Decachlorobiphenyl		1644850390	1717850333	1805319940	1883765920	1992763800	1808910077	8
Tetrachloro-m-xylene		5458685310	5581768067	5723793620	5741246280	5688025000	5638703655	2
Aroclor-1254-1	(1)	296936934	303927659	319123596	320561628	374491800	323008323	9
Aroclor-1254-2	(2)	255453905	262352463	275811104	277251804	325698480	279313551	10
Aroclor-1254-3	(3)	392851690	400205872	416928596	411547332	473734340	419053566	8
Aroclor-1254-4	(4)	214635691	222689013	230857806	231773900	239050800	227801442	4
Aroclor-1254-5	(5)	301414788	308036695	323788090	319823096	374889540	325590442	9
Decachlorobiphenyl		1681329490	1723219680	1812787460	1794853560	2027152800	1807868598	7
Tetrachloro-m-xylene		5554099840	5630982267	5714907100	5492046840	5804310800	5639269369	2
Aroclor-1268-1	(1)	439189744	444186417	457911336	484649164	566087560	478404844	11

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	385991375	390586096	399904992	422505028	483522600	416502018	10
Aroclor-1268-3	(3)	289581994	294897103	304525684	324673600	371079040	316951484	10
Aroclor-1268-4	(4)	108353442	109112276	112870114	119224140	128726300	115657254	7
Aroclor-1268-5	(5)	686403257	694858911	706410288	735443232	800112960	724645730	6
Decachlorobiphenyl		2944164530	2997882747	3096344980	3278501400	3473378600	3158054451	7
Tetrachloro-m-xylene		5557311950	5631320067	5696482640	5807035360	5718379000	5682105803	2

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** CAMP02

Lab Code: ACE **SDG NO.:** Q2514

Instrument ID: ECD_O **Date(s) Analyzed:** 06/11/2025 06/11/2025

GC Column: ZB-MR1 **ID:** 0.32 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Aroclor-1221	500	1	3.89	3.79	3.99	87078800
		2	3.98	3.88	4.08	64167800
		3	4.05	3.95	4.15	195036000
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.05	3.95	4.15	151749000
		2	4.54	4.44	4.64	86221200
		3	4.79	4.69	4.89	162881000
		4	4.96	4.86	5.06	87019200
		5	5.00	4.90	5.10	56580600
Aroclor-1262	500	1	6.82	6.72	6.92	609876000
		2	7.32	7.22	7.42	941402000
		3	7.60	7.50	7.70	396622000
		4	7.66	7.56	7.76	657002000
		5	8.16	8.06	8.26	304668000

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** CAMP02

Lab Code: ACE **SDG NO.:** Q2514

Instrument ID: ECD_O **Date(s) Analyzed:** 06/11/2025 06/11/2025

GC Column: ZB-MR2 **ID:** 0.32 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Aroclor-1221	500	1	3.88	3.78	3.98	74673800
		2	3.97	3.87	4.07	55948800
		3	4.04	3.94	4.14	171830000
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.04	3.94	4.14	132990000
		2	4.77	4.67	4.87	131791000
		3	4.94	4.84	5.04	69118200
		4	5.03	4.93	5.13	60484000
		5	5.20	5.10	5.30	66414600
Aroclor-1262	500	1	6.78	6.68	6.88	337664000
		2	7.28	7.18	7.38	465774000
		3	7.56	7.46	7.66	166285000
		4	7.63	7.53	7.73	277070000
		5	8.12	8.02	8.22	101619000

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CAMP02

Lab Code: ACE **SDG NO.:** Q2514

Continuing Calib Date: 07/07/2025 **Initial Calibration Date(s):** 06/11/2025 06/11/2025

Continuing Calib Time: 20:15 **Initial Calibration Time(s):** 10:40 19:07

GC Column: ZB-MR1 **ID:** 0.32 **(mm)**

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	4.76	4.77	4.67	4.87	0.01
Aroclor-1016-2	(2)	4.78	4.78	4.68	4.88	0.00
Aroclor-1016-3	(3)	4.84	4.84	4.74	4.94	0.00
Aroclor-1016-4	(4)	4.96	4.96	4.86	5.06	0.00
Aroclor-1016-5	(5)	5.21	5.22	5.12	5.32	0.01
Aroclor-1260-1	(1)	6.25	6.26	6.16	6.36	0.01
Aroclor-1260-2	(2)	6.44	6.45	6.35	6.55	0.01
Aroclor-1260-3	(3)	6.81	6.81	6.71	6.91	0.00
Aroclor-1260-4	(4)	7.07	7.07	6.97	7.17	0.00
Aroclor-1260-5	(5)	7.31	7.32	7.22	7.42	0.01
Tetrachloro-m-xylene		3.68	3.68	3.58	3.78	0.01
Decachlorobiphenyl		8.70	8.71	8.61	8.81	0.01

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CAMP02

Lab Code: ACE **SDG NO.:** Q2514

Continuing Calib Date: 07/07/2025 **Initial Calibration Date(s):** 06/11/2025 06/11/2025

Continuing Calib Time: 20:15 **Initial Calibration Time(s):** 10:40 19:07

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	4.75	4.75	4.65	4.85	0.01
Aroclor-1016-2	(2)	4.76	4.77	4.67	4.87	0.01
Aroclor-1016-3	(3)	4.94	4.94	4.84	5.04	0.00
Aroclor-1016-4	(4)	4.98	4.99	4.89	5.09	0.01
Aroclor-1016-5	(5)	5.19	5.20	5.10	5.30	0.01
Aroclor-1260-1	(1)	6.22	6.23	6.13	6.33	0.01
Aroclor-1260-2	(2)	6.41	6.42	6.32	6.52	0.01
Aroclor-1260-3	(3)	6.56	6.57	6.47	6.67	0.01
Aroclor-1260-4	(4)	7.03	7.04	6.94	7.14	0.01
Aroclor-1260-5	(5)	7.27	7.28	7.18	7.38	0.01
Tetrachloro-m-xylene		3.67	3.67	3.57	3.77	0.00
Decachlorobiphenyl		8.65	8.66	8.56	8.76	0.01

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CAMP02

Lab Code: ACE **SDG NO.:** Q2514

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/11/2025 06/11/2025

Client Sample No.: CCAL01 **Date Analyzed:** 07/07/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO112052.D **Time Analyzed:** 20:15

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.762	4.666	4.866	451.720	500.000	-9.7
Aroclor-1016-2	4.781	4.684	4.884	468.410	500.000	-6.3
Aroclor-1016-3	4.838	4.741	4.941	442.310	500.000	-11.5
Aroclor-1016-4	4.957	4.861	5.061	447.560	500.000	-10.5
Aroclor-1016-5	5.214	5.118	5.318	471.760	500.000	-5.6
Aroclor-1260-1	6.253	6.157	6.357	457.590	500.000	-8.5
Aroclor-1260-2	6.441	6.346	6.546	508.720	500.000	1.7
Aroclor-1260-3	6.807	6.713	6.913	532.640	500.000	6.5
Aroclor-1260-4	7.067	6.972	7.172	520.660	500.000	4.1
Aroclor-1260-5	7.310	7.216	7.416	515.130	500.000	3.0
Decachlorobiphenyl	8.704	8.612	8.812	41.270	50.000	-17.5
Tetrachloro-m-xylene	3.675	3.577	3.777	51.660	50.000	3.3

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CAMP02

Lab Code: ACE **SDG NO.:** Q2514

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/11/2025 06/11/2025

Client Sample No.: CCAL01 **Date Analyzed:** 07/07/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO112052.D **Time Analyzed:** 20:15

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.745	4.651	4.851	505.180	500.000	1.0
Aroclor-1016-2	4.764	4.669	4.869	509.460	500.000	1.9
Aroclor-1016-3	4.939	4.844	5.044	498.340	500.000	-0.3
Aroclor-1016-4	4.981	4.887	5.087	498.070	500.000	-0.4
Aroclor-1016-5	5.194	5.099	5.299	492.500	500.000	-1.5
Aroclor-1260-1	6.223	6.129	6.329	485.010	500.000	-3.0
Aroclor-1260-2	6.411	6.316	6.516	504.260	500.000	0.9
Aroclor-1260-3	6.562	6.469	6.669	466.740	500.000	-6.7
Aroclor-1260-4	7.032	6.939	7.139	450.960	500.000	-9.8
Aroclor-1260-5	7.274	7.181	7.381	459.050	500.000	-8.2
Decachlorobiphenyl	8.651	8.561	8.761	44.280	50.000	-11.4
Tetrachloro-m-xylene	3.669	3.573	3.773	50.200	50.000	0.4

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CAMP02

Lab Code: ACE **SDG NO.:** Q2514

Continuing Calib Date: 07/08/2025 **Initial Calibration Date(s):** 06/11/2025 06/11/2025

Continuing Calib Time: 03:54 **Initial Calibration Time(s):** 10:40 19:07

GC Column: ZB-MR1 **ID:** 0.32 **(mm)**

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	4.76	4.77	4.67	4.87	0.01
Aroclor-1016-2	(2)	4.78	4.78	4.68	4.88	0.00
Aroclor-1016-3	(3)	4.84	4.84	4.74	4.94	0.00
Aroclor-1016-4	(4)	4.96	4.96	4.86	5.06	0.00
Aroclor-1016-5	(5)	5.21	5.22	5.12	5.32	0.01
Aroclor-1260-1	(1)	6.25	6.26	6.16	6.36	0.01
Aroclor-1260-2	(2)	6.44	6.45	6.35	6.55	0.01
Aroclor-1260-3	(3)	6.81	6.81	6.71	6.91	0.00
Aroclor-1260-4	(4)	7.07	7.07	6.97	7.17	0.00
Aroclor-1260-5	(5)	7.31	7.32	7.22	7.42	0.01
Tetrachloro-m-xylene		3.68	3.68	3.58	3.78	0.01
Decachlorobiphenyl		8.70	8.71	8.61	8.81	0.01

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CAMP02

Lab Code: ACE **SDG NO.:** Q2514

Continuing Calib Date: 07/08/2025 **Initial Calibration Date(s):** 06/11/2025 06/11/2025

Continuing Calib Time: 03:54 **Initial Calibration Time(s):** 10:40 19:07

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	4.74	4.75	4.65	4.85	0.01
Aroclor-1016-2	(2)	4.76	4.77	4.67	4.87	0.01
Aroclor-1016-3	(3)	4.94	4.94	4.84	5.04	0.00
Aroclor-1016-4	(4)	4.98	4.99	4.89	5.09	0.01
Aroclor-1016-5	(5)	5.19	5.20	5.10	5.30	0.01
Aroclor-1260-1	(1)	6.22	6.23	6.13	6.33	0.01
Aroclor-1260-2	(2)	6.41	6.42	6.32	6.52	0.01
Aroclor-1260-3	(3)	6.56	6.57	6.47	6.67	0.01
Aroclor-1260-4	(4)	7.03	7.04	6.94	7.14	0.01
Aroclor-1260-5	(5)	7.27	7.28	7.18	7.38	0.01
Tetrachloro-m-xylene		3.67	3.67	3.57	3.77	0.00
Decachlorobiphenyl		8.65	8.66	8.56	8.76	0.01

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CAMP02

Lab Code: ACE **SDG NO.:** Q2514

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/11/2025 06/11/2025

Client Sample No.: CCAL02 **Date Analyzed:** 07/08/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO112067.D **Time Analyzed:** 03:54

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.761	4.666	4.866	528.310	500.000	5.7
Aroclor-1016-2	4.780	4.684	4.884	545.080	500.000	9.0
Aroclor-1016-3	4.837	4.741	4.941	530.690	500.000	6.1
Aroclor-1016-4	4.956	4.861	5.061	532.770	500.000	6.6
Aroclor-1016-5	5.213	5.118	5.318	522.850	500.000	4.6
Aroclor-1260-1	6.252	6.157	6.357	525.380	500.000	5.1
Aroclor-1260-2	6.441	6.346	6.546	598.920	500.000	19.8
Aroclor-1260-3	6.808	6.713	6.913	541.620	500.000	8.3
Aroclor-1260-4	7.067	6.972	7.172	543.400	500.000	8.7
Aroclor-1260-5	7.309	7.216	7.416	584.810	500.000	17.0
Decachlorobiphenyl	8.703	8.612	8.812	43.520	50.000	-13.0
Tetrachloro-m-xylene	3.675	3.577	3.777	60.770	50.000	21.5

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CAMP02

Lab Code: ACE **SDG NO.:** Q2514

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/11/2025 06/11/2025

Client Sample No.: CCAL02 **Date Analyzed:** 07/08/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO112067.D **Time Analyzed:** 03:54

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.744	4.651	4.851	552.450	500.000	10.5
Aroclor-1016-2	4.762	4.669	4.869	563.100	500.000	12.6
Aroclor-1016-3	4.937	4.844	5.044	541.710	500.000	8.3
Aroclor-1016-4	4.980	4.887	5.087	478.710	500.000	-4.3
Aroclor-1016-5	5.192	5.099	5.299	596.930	500.000	19.4
Aroclor-1260-1	6.221	6.129	6.329	591.390	500.000	18.3
Aroclor-1260-2	6.409	6.316	6.516	591.380	500.000	18.3
Aroclor-1260-3	6.560	6.469	6.669	531.150	500.000	6.2
Aroclor-1260-4	7.031	6.939	7.139	498.690	500.000	-0.3
Aroclor-1260-5	7.272	7.181	7.381	507.110	500.000	1.4
Decachlorobiphenyl	8.650	8.561	8.761	48.100	50.000	-3.8
Tetrachloro-m-xylene	3.668	3.573	3.773	54.860	50.000	9.7

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CAMP02

Lab Code: ACE **SDG NO.:** Q2514

Continuing Calib Date: 07/08/2025 **Initial Calibration Date(s):** 06/11/2025 06/11/2025

Continuing Calib Time: 10:09 **Initial Calibration Time(s):** 10:40 19:07

GC Column: ZB-MR1 **ID:** 0.32 **(mm)**

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	4.76	4.77	4.67	4.87	0.01
Aroclor-1016-2	(2)	4.78	4.78	4.68	4.88	0.00
Aroclor-1016-3	(3)	4.84	4.84	4.74	4.94	0.00
Aroclor-1016-4	(4)	4.96	4.96	4.86	5.06	0.00
Aroclor-1016-5	(5)	5.22	5.22	5.12	5.32	0.00
Aroclor-1260-1	(1)	6.25	6.26	6.16	6.36	0.01
Aroclor-1260-2	(2)	6.44	6.45	6.35	6.55	0.01
Aroclor-1260-3	(3)	6.81	6.81	6.71	6.91	0.00
Aroclor-1260-4	(4)	7.07	7.07	6.97	7.17	0.00
Aroclor-1260-5	(5)	7.31	7.32	7.22	7.42	0.01
Tetrachloro-m-xylene		3.68	3.68	3.58	3.78	0.00
Decachlorobiphenyl		8.71	8.71	8.61	8.81	0.01

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CAMP02

Lab Code: ACE **SDG NO.:** Q2514

Continuing Calib Date: 07/08/2025 **Initial Calibration Date(s):** 06/11/2025 06/11/2025

Continuing Calib Time: 10:09 **Initial Calibration Time(s):** 10:40 19:07

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	4.74	4.75	4.65	4.85	0.01
Aroclor-1016-2	(2)	4.76	4.77	4.67	4.87	0.01
Aroclor-1016-3	(3)	4.94	4.94	4.84	5.04	0.00
Aroclor-1016-4	(4)	4.98	4.99	4.89	5.09	0.01
Aroclor-1016-5	(5)	5.19	5.20	5.10	5.30	0.01
Aroclor-1260-1	(1)	6.22	6.23	6.13	6.33	0.01
Aroclor-1260-2	(2)	6.41	6.42	6.32	6.52	0.01
Aroclor-1260-3	(3)	6.56	6.57	6.47	6.67	0.01
Aroclor-1260-4	(4)	7.03	7.04	6.94	7.14	0.01
Aroclor-1260-5	(5)	7.27	7.28	7.18	7.38	0.01
Tetrachloro-m-xylene		3.67	3.67	3.57	3.77	0.00
Decachlorobiphenyl		8.65	8.66	8.56	8.76	0.01

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CAMP02

Lab Code: ACE **SDG NO.:** Q2514

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/11/2025 06/11/2025

Client Sample No.: CCAL03 **Date Analyzed:** 07/08/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO112083.D **Time Analyzed:** 10:09

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.762	4.666	4.866	597.960	500.000	19.6
Aroclor-1016-2	4.780	4.684	4.884	599.020	500.000	19.8
Aroclor-1016-3	4.837	4.741	4.941	561.710	500.000	12.3
Aroclor-1016-4	4.957	4.861	5.061	574.730	500.000	14.9
Aroclor-1016-5	5.215	5.118	5.318	566.580	500.000	13.3
Aroclor-1260-1	6.252	6.157	6.357	563.120	500.000	12.6
Aroclor-1260-2	6.442	6.346	6.546	599.800	500.000	20.0
Aroclor-1260-3	6.808	6.713	6.913	597.780	500.000	19.6
Aroclor-1260-4	7.067	6.972	7.172	548.080	500.000	9.6
Aroclor-1260-5	7.311	7.216	7.416	627.280	500.000	25.5
Decachlorobiphenyl	8.705	8.612	8.812	52.570	50.000	5.1
Tetrachloro-m-xylene	3.676	3.577	3.777	71.620	50.000	43.2

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CAMP02

Lab Code: ACE **SDG NO.:** Q2514

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/11/2025 06/11/2025

Client Sample No.: CCAL03 **Date Analyzed:** 07/08/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO112083.D **Time Analyzed:** 10:09

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.743	4.651	4.851	466.410	500.000	-6.7
Aroclor-1016-2	4.761	4.669	4.869	474.240	500.000	-5.2
Aroclor-1016-3	4.937	4.844	5.044	455.480	500.000	-8.9
Aroclor-1016-4	4.979	4.887	5.087	452.330	500.000	-9.5
Aroclor-1016-5	5.191	5.099	5.299	441.610	500.000	-11.7
Aroclor-1260-1	6.221	6.129	6.329	441.990	500.000	-11.6
Aroclor-1260-2	6.409	6.316	6.516	464.790	500.000	-7.0
Aroclor-1260-3	6.560	6.469	6.669	435.190	500.000	-13.0
Aroclor-1260-4	7.031	6.939	7.139	432.900	500.000	-13.4
Aroclor-1260-5	7.272	7.181	7.381	431.230	500.000	-13.8
Decachlorobiphenyl	8.650	8.561	8.761	40.190	50.000	-19.6
Tetrachloro-m-xylene	3.668	3.573	3.773	46.280	50.000	-7.4

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Analytical Sequence

Client: CDM Smith **SDG No.:** Q2514

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

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 06/11/2025 06/11/2025

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

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	06/11/2025	10:21	PO111586.D	8.71	3.68
AR1660ICC1000	AR1660ICC1000	06/11/2025	10:40	PO111587.D	8.71	3.68
AR1660ICC750	AR1660ICC750	06/11/2025	10:58	PO111588.D	8.71	3.68
AR1660ICC500	AR1660ICC500	06/11/2025	11:17	PO111589.D	8.71	3.68
AR1660ICC250	AR1660ICC250	06/11/2025	11:35	PO111590.D	8.71	3.68
AR1660ICC050	AR1660ICC050	06/11/2025	11:53	PO111591.D	8.71	3.68
AR1221ICC500	AR1221ICC500	06/11/2025	12:12	PO111592.D	8.71	3.68
AR1232ICC500	AR1232ICC500	06/11/2025	12:30	PO111593.D	8.71	3.68
AR1242ICC1000	AR1242ICC1000	06/11/2025	12:48	PO111594.D	8.71	3.68
AR1242ICC750	AR1242ICC750	06/11/2025	13:07	PO111595.D	8.71	3.68
AR1242ICC500	AR1242ICC500	06/11/2025	13:25	PO111596.D	8.71	3.68
AR1242ICC250	AR1242ICC250	06/11/2025	13:44	PO111597.D	8.71	3.68
AR1242ICC050	AR1242ICC050	06/11/2025	14:02	PO111598.D	8.71	3.68
AR1248ICC1000	AR1248ICC1000	06/11/2025	14:20	PO111599.D	8.71	3.68
AR1248ICC750	AR1248ICC750	06/11/2025	14:39	PO111600.D	8.71	3.68
AR1248ICC500	AR1248ICC500	06/11/2025	15:14	PO111601.D	8.71	3.68
AR1248ICC250	AR1248ICC250	06/11/2025	15:32	PO111602.D	8.71	3.68
AR1248ICC050	AR1248ICC050	06/11/2025	15:49	PO111603.D	8.71	3.68
AR1254ICC1000	AR1254ICC1000	06/11/2025	16:06	PO111604.D	8.71	3.68
AR1254ICC750	AR1254ICC750	06/11/2025	16:25	PO111605.D	8.71	3.68
AR1254ICC500	AR1254ICC500	06/11/2025	16:43	PO111606.D	8.71	3.68
AR1254ICC250	AR1254ICC250	06/11/2025	17:00	PO111607.D	8.71	3.68
AR1254ICC050	AR1254ICC050	06/11/2025	17:18	PO111608.D	8.71	3.68
AR1262ICC500	AR1262ICC500	06/11/2025	17:36	PO111609.D	8.71	3.68
AR1268ICC1000	AR1268ICC1000	06/11/2025	17:55	PO111610.D	8.71	3.68
AR1268ICC750	AR1268ICC750	06/11/2025	18:13	PO111611.D	8.71	3.68
AR1268ICC500	AR1268ICC500	06/11/2025	18:31	PO111612.D	8.71	3.68
AR1268ICC250	AR1268ICC250	06/11/2025	18:50	PO111613.D	8.71	3.68
AR1268ICC050	AR1268ICC050	06/11/2025	19:07	PO111614.D	8.71	3.68
AR1660CCC500	AR1660CCC500	07/07/2025	20:15	PO112052.D	8.70	3.68
I.BLK	I.BLK	07/07/2025	21:44	PO112056.D	8.71	3.67
PB168735BL	PB168735BL	07/07/2025	22:01	PO112057.D	8.70	3.67
PB168735BS	PB168735BS	07/07/2025	22:20	PO112058.D	8.70	3.67
HR-3-070325MS	Q2513-03MS	07/07/2025	23:52	PO112063.D	8.70	3.67
HR-3-070325MSD	Q2513-03MSD	07/08/2025	00:10	PO112064.D	8.71	3.67
TP-92	Q2514-01	07/08/2025	00:29	PO112065.D	8.71	3.67
TP-93	Q2514-02	07/08/2025	00:46	PO112066.D	8.70	3.67
AR1660CCC500	AR1660CCC500	07/08/2025	03:54	PO112067.D	8.70	3.68
I.BLK	I.BLK	07/08/2025	05:26	PO112072.D	8.71	3.67
TP-94	Q2514-03	07/08/2025	05:44	PO112073.D	8.70	3.67
TP-96	Q2514-04	07/08/2025	06:02	PO112074.D	8.70	3.68
TP-97	Q2514-05	07/08/2025	06:21	PO112075.D	8.71	3.68

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Analytical Sequence

TP-103	Q2514-06	07/08/2025	06:39	PO112076.D	8.70	3.67
TP-36	Q2514-07	07/08/2025	06:58	PO112077.D	8.70	3.67
TP-78	Q2514-08	07/08/2025	07:16	PO112078.D	8.70	3.67
TP-81	Q2514-09	07/08/2025	07:35	PO112079.D	8.70	3.67
TP-90	Q2514-10	07/08/2025	07:53	PO112080.D	8.70	3.67
AR1660CCC500	AR1660CCC500	07/08/2025	10:09	PO112083.D	8.71	3.68
I.BLK	I.BLK	07/08/2025	11:26	PO112085.D	8.71	3.68

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Analytical Sequence

Client: CDM Smith **SDG No.:** Q2514

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

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 06/11/2025 06/11/2025

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

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	06/11/2025	10:21	PO111586.D	8.66	3.67
AR1660ICC1000	AR1660ICC1000	06/11/2025	10:40	PO111587.D	8.66	3.67
AR1660ICC750	AR1660ICC750	06/11/2025	10:58	PO111588.D	8.66	3.67
AR1660ICC500	AR1660ICC500	06/11/2025	11:17	PO111589.D	8.66	3.67
AR1660ICC250	AR1660ICC250	06/11/2025	11:35	PO111590.D	8.66	3.67
AR1660ICC050	AR1660ICC050	06/11/2025	11:53	PO111591.D	8.66	3.67
AR1221ICC500	AR1221ICC500	06/11/2025	12:12	PO111592.D	8.66	3.67
AR1232ICC500	AR1232ICC500	06/11/2025	12:30	PO111593.D	8.66	3.67
AR1242ICC1000	AR1242ICC1000	06/11/2025	12:48	PO111594.D	8.66	3.67
AR1242ICC750	AR1242ICC750	06/11/2025	13:07	PO111595.D	8.66	3.67
AR1242ICC500	AR1242ICC500	06/11/2025	13:25	PO111596.D	8.66	3.67
AR1242ICC250	AR1242ICC250	06/11/2025	13:44	PO111597.D	8.66	3.67
AR1242ICC050	AR1242ICC050	06/11/2025	14:02	PO111598.D	8.66	3.67
AR1248ICC1000	AR1248ICC1000	06/11/2025	14:20	PO111599.D	8.66	3.67
AR1248ICC750	AR1248ICC750	06/11/2025	14:39	PO111600.D	8.66	3.67
AR1248ICC500	AR1248ICC500	06/11/2025	15:14	PO111601.D	8.66	3.67
AR1248ICC250	AR1248ICC250	06/11/2025	15:32	PO111602.D	8.66	3.67
AR1248ICC050	AR1248ICC050	06/11/2025	15:49	PO111603.D	8.66	3.67
AR1254ICC1000	AR1254ICC1000	06/11/2025	16:06	PO111604.D	8.66	3.67
AR1254ICC750	AR1254ICC750	06/11/2025	16:25	PO111605.D	8.66	3.67
AR1254ICC500	AR1254ICC500	06/11/2025	16:43	PO111606.D	8.66	3.67
AR1254ICC250	AR1254ICC250	06/11/2025	17:00	PO111607.D	8.66	3.67
AR1254ICC050	AR1254ICC050	06/11/2025	17:18	PO111608.D	8.66	3.67
AR1262ICC500	AR1262ICC500	06/11/2025	17:36	PO111609.D	8.66	3.67
AR1268ICC1000	AR1268ICC1000	06/11/2025	17:55	PO111610.D	8.66	3.67
AR1268ICC750	AR1268ICC750	06/11/2025	18:13	PO111611.D	8.66	3.67
AR1268ICC500	AR1268ICC500	06/11/2025	18:31	PO111612.D	8.66	3.67
AR1268ICC250	AR1268ICC250	06/11/2025	18:50	PO111613.D	8.66	3.67
AR1268ICC050	AR1268ICC050	06/11/2025	19:07	PO111614.D	8.66	3.67
AR1660CCC500	AR1660CCC500	07/07/2025	20:15	PO112052.D	8.65	3.67
I.BLK	I.BLK	07/07/2025	21:44	PO112056.D	8.65	3.67
PB168735BL	PB168735BL	07/07/2025	22:01	PO112057.D	8.65	3.67
PB168735BS	PB168735BS	07/07/2025	22:20	PO112058.D	8.65	3.67
HR-3-070325MS	Q2513-03MS	07/07/2025	23:52	PO112063.D	8.65	3.67
HR-3-070325MSD	Q2513-03MSD	07/08/2025	00:10	PO112064.D	8.65	3.67
TP-92	Q2514-01	07/08/2025	00:29	PO112065.D	8.65	3.67
TP-93	Q2514-02	07/08/2025	00:46	PO112066.D	8.65	3.67
AR1660CCC500	AR1660CCC500	07/08/2025	03:54	PO112067.D	8.65	3.67
I.BLK	I.BLK	07/08/2025	05:26	PO112072.D	8.65	3.67
TP-94	Q2514-03	07/08/2025	05:44	PO112073.D	8.65	3.67
TP-96	Q2514-04	07/08/2025	06:02	PO112074.D	8.65	3.67
TP-97	Q2514-05	07/08/2025	06:21	PO112075.D	8.65	3.67

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Analytical Sequence

TP-103	Q2514-06	07/08/2025	06:39	PO112076.D	8.65	3.67
TP-36	Q2514-07	07/08/2025	06:58	PO112077.D	8.65	3.67
TP-78	Q2514-08	07/08/2025	07:16	PO112078.D	8.65	3.67
TP-81	Q2514-09	07/08/2025	07:35	PO112079.D	8.65	3.67
TP-90	Q2514-10	07/08/2025	07:53	PO112080.D	8.65	3.67
AR1660CCC500	AR1660CCC500	07/08/2025	10:09	PO112083.D	8.65	3.67
I.BLK	I.BLK	07/08/2025	11:26	PO112085.D	8.65	3.67

QC SAMPLE DATA

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB168735BL	SDG No.:	Q2514
Lab Sample ID:	PB168735BL	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	100 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO112057.D	1	07/07/25 08:30	07/07/25 22:01	PB168735

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	3.90	U	3.90	17.0	ug/kg
11104-28-2	Aroclor-1221	4.00	U	4.00	17.0	ug/kg
11141-16-5	Aroclor-1232	3.70	U	3.70	17.0	ug/kg
53469-21-9	Aroclor-1242	4.00	U	4.00	17.0	ug/kg
12672-29-6	Aroclor-1248	5.90	U	5.90	17.0	ug/kg
11097-69-1	Aroclor-1254	3.20	U	3.20	17.0	ug/kg
37324-23-5	Aroclor-1262	5.00	U	5.00	17.0	ug/kg
11100-14-4	Aroclor-1268	3.60	U	3.60	17.0	ug/kg
11096-82-5	Aroclor-1260	3.20	U	3.20	17.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.5		32 - 144	103%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.5		32 - 175	92%	SPK: 20

Comments:

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

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	06/11/25
Project:	South River WM Replacement	Date Received:	06/11/25
Client Sample ID:	PIBLK-PO111586.D	SDG No.:	Q2514
Lab Sample ID:	I.BLK-PO111586.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO111586.D	1		06/11/25	po061125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.0		60 - 140	95%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.5		60 - 140	103%	SPK: 20

Comments:

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() = Laboratory InHouse Limit

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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-PO112056.D	SDG No.:	Q2514
Lab Sample ID:	I.BLK-PO112056.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO112056.D	1		07/07/25	po070725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	16.9		60 - 140	85%	SPK: 20
2051-24-3	Decachlorobiphenyl	16.8		60 - 140	84%	SPK: 20

Comments:

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() = Laboratory InHouse Limit

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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-PO112072.D	SDG No.:	Q2514
Lab Sample ID:	I.BLK-PO112072.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO112072.D	1		07/08/25	po070725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	18.3		60 - 140	92%	SPK: 20
2051-24-3	Decachlorobiphenyl	16.1		60 - 140	80%	SPK: 20

Comments:

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() = Laboratory InHouse Limit

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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-PO112085.D	SDG No.:	Q2514
Lab Sample ID:	I.BLK-PO112085.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO112085.D	1		07/08/25	PO070725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	11.4	*	60 - 140	57%	SPK: 20
2051-24-3	Decachlorobiphenyl	11.1	*	60 - 140	55%	SPK: 20

Comments:

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB168735BS	SDG No.:	Q2514
Lab Sample ID:	PB168735BS	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	100 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO112058.D	1	07/07/25 08:30	07/07/25 22:20	PB168735

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	150		3.90	17.0	ug/kg
11104-28-2	Aroclor-1221	4.00	U	4.00	17.0	ug/kg
11141-16-5	Aroclor-1232	3.70	U	3.70	17.0	ug/kg
53469-21-9	Aroclor-1242	4.00	U	4.00	17.0	ug/kg
12672-29-6	Aroclor-1248	5.90	U	5.90	17.0	ug/kg
11097-69-1	Aroclor-1254	3.20	U	3.20	17.0	ug/kg
37324-23-5	Aroclor-1262	5.00	U	5.00	17.0	ug/kg
11100-14-4	Aroclor-1268	3.60	U	3.60	17.0	ug/kg
11096-82-5	Aroclor-1260	163		3.20	17.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.5		32 - 144	98%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.5		32 - 175	92%	SPK: 20

Comments:

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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
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() = Laboratory InHouse Limit

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/03/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	HR-3-070325MS	SDG No.:	Q2514
Lab Sample ID:	Q2513-03MS	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	94.4 Decanted:
Sample Wt/Vol:	30.06 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO112063.D	1	07/07/25 08:30	07/07/25 23:52	PB168735

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	118		4.20	18.0	ug/kg
11104-28-2	Aroclor-1221	4.30	U	4.30	18.0	ug/kg
11141-16-5	Aroclor-1232	3.90	U	3.90	18.0	ug/kg
53469-21-9	Aroclor-1242	4.20	U	4.20	18.0	ug/kg
12672-29-6	Aroclor-1248	6.30	U	6.30	18.0	ug/kg
11097-69-1	Aroclor-1254	3.40	U	3.40	18.0	ug/kg
37324-23-5	Aroclor-1262	5.30	U	5.30	18.0	ug/kg
11100-14-4	Aroclor-1268	3.80	U	3.80	18.0	ug/kg
11096-82-5	Aroclor-1260	112		3.40	18.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	15.0		32 - 144	75%	SPK: 20
2051-24-3	Decachlorobiphenyl	12.3		32 - 175	61%	SPK: 20

Comments:

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LOQ = Limit of Quantitation
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M = MS/MSD acceptance criteria did not meet requirements

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

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Fax : 908 789 8922

Report of Analysis

Client:	CDM Smith	Date Collected:	07/03/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	HR-3-070325MSD	SDG No.:	Q2514
Lab Sample ID:	Q2513-03MSD	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	94.4 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO112064.D	1	07/07/25 08:30	07/08/25 00:10	PB168735

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	119		4.20	18.0	ug/kg
11104-28-2	Aroclor-1221	4.30	U	4.30	18.0	ug/kg
11141-16-5	Aroclor-1232	3.90	U	3.90	18.0	ug/kg
53469-21-9	Aroclor-1242	4.20	U	4.20	18.0	ug/kg
12672-29-6	Aroclor-1248	6.30	U	6.30	18.0	ug/kg
11097-69-1	Aroclor-1254	3.40	U	3.40	18.0	ug/kg
37324-23-5	Aroclor-1262	5.30	U	5.30	18.0	ug/kg
11100-14-4	Aroclor-1268	3.80	U	3.80	18.0	ug/kg
11096-82-5	Aroclor-1260	114		3.40	18.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	14.9		32 - 144	74%	SPK: 20
2051-24-3	Decachlorobiphenyl	13.0		32 - 175	65%	SPK: 20

Comments:

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LAB CHRONICLE

OrderID:	Q2514	**OrderDate:**	7/3/2025 1:29:00 PM
Client:	CDM Smith	**Project:**	South River WM Replacement
Contact:	Marcie Ann Encinas	**Location:**	O21,O22,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2514-01	**TP-92**	**SOIL**			**07/02/25**			**07/03/25**
			Diesel Range Organics	8015D		07/08/25	07/08/25	
			Gasoline Range Organics	8015D			07/09/25	
			Herbicide	8151A		07/08/25	07/10/25	
			PCB	8082A		07/07/25	07/08/25	
			Pesticide-TCL	8081B		07/07/25	07/07/25	
Q2514-02	**TP-93**	**SOIL**			**07/02/25**			**07/03/25**
			Diesel Range Organics	8015D		07/08/25	07/08/25	
			Gasoline Range Organics	8015D			07/09/25	
			Herbicide	8151A		07/08/25	07/10/25	
			PCB	8082A		07/07/25	07/08/25	
			Pesticide-TCL	8081B		07/07/25	07/07/25	
Q2514-03	**TP-94**	**SOIL**			**07/02/25**			**07/03/25**
			Diesel Range Organics	8015D		07/08/25	07/08/25	
			Gasoline Range Organics	8015D			07/09/25	
			Herbicide	8151A		07/08/25	07/10/25	
			PCB	8082A		07/07/25	07/08/25	
			Pesticide-TCL	8081B		07/07/25	07/07/25	
Q2514-04	**TP-96**	**SOIL**			**07/02/25**			**07/03/25**
			Diesel Range Organics	8015D		07/08/25	07/08/25	
			Gasoline Range Organics	8015D			07/09/25	
			Herbicide	8151A		07/08/25	07/10/25	
			PCB	8082A		07/07/25	07/08/25	
			Pesticide-TCL	8081B		07/07/25	07/07/25	
Q2514-05	**TP-97**	**SOIL**			**07/02/25**			**07/03/25**
			Diesel Range Organics	8015D		07/08/25	07/08/25	
			Gasoline Range Organics	8015D			07/09/25	

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LAB CHRONICLE

			Herbicide	8151A		07/08/25	07/10/25
			PCB	8082A		07/07/25	07/08/25
			Pesticide-TCL	8081B		07/07/25	07/07/25
Q2514-06	**TP-103**	**SOIL**			**07/02/25**		**07/03/25**
			Diesel Range Organics	8015D		07/08/25	07/08/25
			Gasoline Range Organics	8015D			07/09/25
			Herbicide	8151A		07/08/25	07/10/25
			PCB	8082A		07/07/25	07/08/25
			Pesticide-TCL	8081B		07/07/25	07/07/25
Q2514-07	**TP-36**	**SOIL**			**07/03/25**		**07/03/25**
			Diesel Range Organics	8015D		07/08/25	07/08/25
			Gasoline Range Organics	8015D			07/09/25
			Herbicide	8151A		07/08/25	07/10/25
			PCB	8082A		07/07/25	07/08/25
			Pesticide-TCL	8081B		07/07/25	07/07/25
Q2514-08	**TP-78**	**SOIL**			**07/03/25**		**07/03/25**
			Diesel Range Organics	8015D		07/08/25	07/08/25
			Gasoline Range Organics	8015D			07/09/25
			Herbicide	8151A		07/08/25	07/10/25
			PCB	8082A		07/07/25	07/08/25
			Pesticide-TCL	8081B		07/07/25	07/07/25
Q2514-09	**TP-81**	**SOIL**			**07/03/25**		**07/03/25**
			Diesel Range Organics	8015D		07/08/25	07/08/25
			Gasoline Range Organics	8015D			07/09/25
			Herbicide	8151A		07/08/25	07/10/25
			PCB	8082A		07/07/25	07/08/25
			Pesticide-TCL	8081B		07/07/25	07/07/25
Q2514-10	**TP-90**	**SOIL**			**07/03/25**		**07/03/25**
			Diesel Range Organics	8015D		07/08/25	07/08/25
			Gasoline Range Organics	8015D			07/09/25
			Herbicide	8151A		07/08/25	07/10/25
			PCB	8082A		07/07/25	07/08/25
			Pesticide-TCL	8081B		07/07/25	07/07/25
Q2514-10RE	**TP-90RE**	**SOIL**			**07/03/25**		**07/03/25**

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LAB CHRONICLE

Herbicide	8151A	07/08/25	07/11/25

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Hit Summary Sheet
SW-846

SDG No.: Q2514 **Order ID:** Q2514

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-92	SDG No.:	Q2514
Lab Sample ID:	Q2514-01	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	87.4 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
PS030992.D	1	07/08/25 13:30	07/10/25 18:11	PB168753

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	8.90	U	8.90	76.5	ug/Kg
120-36-5	DICHLORPROP	14.6	U	14.6	76.5	ug/Kg
94-75-7	2,4-D	10.3	U	10.3	76.5	ug/Kg
93-72-1	2,4,5-TP (Silvex)	10.3	U	10.3	76.5	ug/Kg
93-76-5	2,4,5-T	9.90	U	9.90	76.5	ug/Kg
94-82-6	2,4-DB	27.6	U	27.6	76.5	ug/Kg
88-85-7	DINOSEB	12.3	U	12.3	76.5	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	276		10 - 141	55%	SPK: 500

Comments:

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-93	SDG No.:	Q2514
Lab Sample ID:	Q2514-02	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	87.7 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030993.D	1	07/08/25 13:30	07/10/25 18:35	PB168753

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	8.80	U	8.80	76.3	ug/Kg
120-36-5	DICHLORPROP	14.6	U	14.6	76.3	ug/Kg
94-75-7	2,4-D	10.3	U	10.3	76.3	ug/Kg
93-72-1	2,4,5-TP (Silvex)	10.3	U	10.3	76.3	ug/Kg
93-76-5	2,4,5-T	9.90	U	9.90	76.3	ug/Kg
94-82-6	2,4-DB	27.6	U	27.6	76.3	ug/Kg
88-85-7	DINOSEB	12.3	U	12.3	76.3	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	206		10 - 141	41%	SPK: 500

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Alliance TECHNICAL GROUP
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Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-94	SDG No.:	Q2514
Lab Sample ID:	Q2514-03	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	88.1 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
PS030994.D	1	07/08/25 13:30	07/10/25 19:00	PB168753

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	8.80	U	8.80	75.9	ug/Kg
120-36-5	DICHLORPROP	14.5	U	14.5	75.9	ug/Kg
94-75-7	2,4-D	10.2	U	10.2	75.9	ug/Kg
93-72-1	2,4,5-TP (Silvex)	10.3	U	10.3	75.9	ug/Kg
93-76-5	2,4,5-T	9.90	U	9.90	75.9	ug/Kg
94-82-6	2,4-DB	27.4	U	27.4	75.9	ug/Kg
88-85-7	DINOSEB	12.2	U	12.2	75.9	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	259		10 - 141	52%	SPK: 500

Comments:

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Alliance TECHNICAL GROUP
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Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-96	SDG No.:	Q2514
Lab Sample ID:	Q2514-04	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	85.8 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
PS030995.D	1	07/08/25 13:30	07/10/25 19:24	PB168753

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	9.00	U	9.00	78.1	ug/Kg
120-36-5	DICHLORPROP	14.9	U	14.9	78.1	ug/Kg
94-75-7	2,4-D	10.5	U	10.5	78.1	ug/Kg
93-72-1	2,4,5-TP (Silvex)	10.6	U	10.6	78.1	ug/Kg
93-76-5	2,4,5-T	10.1	U	10.1	78.1	ug/Kg
94-82-6	2,4-DB	28.2	U	28.2	78.1	ug/Kg
88-85-7	DINOSEB	12.6	U	12.6	78.1	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	275		10 - 141	55%	SPK: 500

Comments:

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-97	SDG No.:	Q2514
Lab Sample ID:	Q2514-05	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	85 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
PS030996.D	1	07/08/25 13:30	07/10/25 19:48	PB168753

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	9.10	U	9.10	78.7	ug/Kg
120-36-5	DICHLORPROP	15.0	U	15.0	78.7	ug/Kg
94-75-7	2,4-D	10.6	U	10.6	78.7	ug/Kg
93-72-1	2,4,5-TP (Silvex)	10.6	U	10.6	78.7	ug/Kg
93-76-5	2,4,5-T	10.2	U	10.2	78.7	ug/Kg
94-82-6	2,4-DB	28.4	U	28.4	78.7	ug/Kg
88-85-7	DINOSEB	12.7	U	12.7	78.7	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	251		10 - 141	50%	SPK: 500

Comments:

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() = Laboratory InHouse Limit

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-103	SDG No.:	Q2514
Lab Sample ID:	Q2514-06	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	86.5 Decanted:
Sample Wt/Vol:	30.09 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030997.D	1	07/08/25 13:30	07/10/25 20:12	PB168753

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	8.90	U	8.90	77.2	ug/Kg
120-36-5	DICHLORPROP	14.8	U	14.8	77.2	ug/Kg
94-75-7	2,4-D	10.4	U	10.4	77.2	ug/Kg
93-72-1	2,4,5-TP (Silvex)	10.4	U	10.4	77.2	ug/Kg
93-76-5	2,4,5-T	10.0	U	10.0	77.2	ug/Kg
94-82-6	2,4-DB	27.9	U	27.9	77.2	ug/Kg
88-85-7	DINOSEB	12.4	U	12.4	77.2	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	340		10 - 141	68%	SPK: 500

Comments:

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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
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Fax : 908 789 8922

Report of Analysis

Client:	CDM Smith	Date Collected:	07/03/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-36	SDG No.:	Q2514
Lab Sample ID:	Q2514-07	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	90.3 Decanted:
Sample Wt/Vol:	30.07 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030998.D	1	07/08/25 13:30	07/10/25 20:36	PB168753

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	8.60	U	8.60	74.0	ug/Kg
120-36-5	DICHLORPROP	14.1	U	14.1	74.0	ug/Kg
94-75-7	2,4-D	10.0	U	10.0	74.0	ug/Kg
93-72-1	2,4,5-TP (Silvex)	10.0	U	10.0	74.0	ug/Kg
93-76-5	2,4,5-T	9.60	U	9.60	74.0	ug/Kg
94-82-6	2,4-DB	26.7	U	26.7	74.0	ug/Kg
88-85-7	DINOSEB	11.9	U	11.9	74.0	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	280		10 - 141	56%	SPK: 500

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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:	07/03/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-78	SDG No.:	Q2514
Lab Sample ID:	Q2514-08	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	86.3 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
PS030999.D	1	07/08/25 13:30	07/10/25 21:00	PB168753

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	9.00	U	9.00	77.6	ug/Kg
120-36-5	DICHLORPROP	14.8	U	14.8	77.6	ug/Kg
94-75-7	2,4-D	10.5	U	10.5	77.6	ug/Kg
93-72-1	2,4,5-TP (Silvex)	10.5	U	10.5	77.6	ug/Kg
93-76-5	2,4,5-T	10.1	U	10.1	77.6	ug/Kg
94-82-6	2,4-DB	28.0	U	28.0	77.6	ug/Kg
88-85-7	DINOSEB	12.5	U	12.5	77.6	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	302		10 - 141	60%	SPK: 500

Comments:

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

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/03/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-81	SDG No.:	Q2514
Lab Sample ID:	Q2514-09	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	86.3 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
PS031000.D	1	07/08/25 13:30	07/10/25 21:25	PB168753

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	9.00	U	9.00	77.5	ug/Kg
120-36-5	DICHLORPROP	14.8	U	14.8	77.5	ug/Kg
94-75-7	2,4-D	10.5	U	10.5	77.5	ug/Kg
93-72-1	2,4,5-TP (Silvex)	10.5	U	10.5	77.5	ug/Kg
93-76-5	2,4,5-T	10.1	U	10.1	77.5	ug/Kg
94-82-6	2,4-DB	28.0	U	28.0	77.5	ug/Kg
88-85-7	DINOSEB	12.5	U	12.5	77.5	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	161		10 - 141	32%	SPK: 500

Comments:

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

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/03/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-90	SDG No.:	Q2514
Lab Sample ID:	Q2514-10	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	91.6 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
PS031001.D	1	07/08/25 13:30	07/10/25 21:49	PB168753

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	8.50	U	8.50	73.1	ug/Kg
120-36-5	DICHLORPROP	14.0	U	14.0	73.1	ug/Kg
94-75-7	2,4-D	9.90	U	9.90	73.1	ug/Kg
93-72-1	2,4,5-TP (Silvex)	9.90	U	9.90	73.1	ug/Kg
93-76-5	2,4,5-T	9.50	U	9.50	73.1	ug/Kg
94-82-6	2,4-DB	26.4	U	26.4	73.1	ug/Kg
88-85-7	DINOSEB	11.8	U	11.8	73.1	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	67.1		10 - 141	13%	SPK: 500

Comments:

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

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/03/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-90RE	SDG No.:	Q2514
Lab Sample ID:	Q2514-10RE	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	91.6 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
PS031015.D	1	07/08/25 13:30	07/11/25 20:25	PB168753

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	8.50	U	8.50	73.1	ug/Kg
120-36-5	DICHLORPROP	14.0	U	14.0	73.1	ug/Kg
94-75-7	2,4-D	9.90	U	9.90	73.1	ug/Kg
93-72-1	2,4,5-TP (Silvex)	9.90	U	9.90	73.1	ug/Kg
93-76-5	2,4,5-T	9.50	U	9.50	73.1	ug/Kg
94-82-6	2,4-DB	26.4	U	26.4	73.1	ug/Kg
88-85-7	DINOSEB	11.8	U	11.8	73.1	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	81.2		10 - 141	16%	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,
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Surrogate Summary

SDG No.: Q2514

Client: CDM Smith

Analytical Method: 8151A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	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-PS030958.D	PIBLK-PS030958.D	2,4-DCAA	1	500	456	91		61	136
		2,4-DCAA	2	500	462	92		61	136
Q2493-01MS	WC-11MS	2,4-DCAA	1	500	487	97		10	141
		2,4-DCAA	2	500	428	86		10	141
Q2493-01MSD	WC-11MSD	2,4-DCAA	1	500	489	98		10	141
		2,4-DCAA	2	500	426	85		10	141
PB168753BL	PB168753BL	2,4-DCAA	1	500	414	83		10	141
		2,4-DCAA	2	500	441	88		10	141
PB168753BS	PB168753BS	2,4-DCAA	1	500	539	108		10	141
		2,4-DCAA	2	500	505	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
I.BLK-PS030989.D	PIBLK-PS030989.D	2,4-DCAA	1	500	476	95		61	136
		2,4-DCAA	2	500	476	95		61	136
Q2514-01	TP-92	2,4-DCAA	1	500	276	55		10	141
		2,4-DCAA	2	500	270	54		10	141
Q2514-02	TP-93	2,4-DCAA	1	500	206	41		10	141
		2,4-DCAA	2	500	197	39		10	141
Q2514-03	TP-94	2,4-DCAA	1	500	259	52		10	141
		2,4-DCAA	2	500	251	50		10	141
Q2514-04	TP-96	2,4-DCAA	1	500	275	55		10	141
		2,4-DCAA	2	500	273	55		10	141
Q2514-05	TP-97	2,4-DCAA	1	500	245	49		10	141
		2,4-DCAA	2	500	251	50		10	141
Q2514-06	TP-103	2,4-DCAA	1	500	340	68		10	141
		2,4-DCAA	2	500	337	67		10	141
Q2514-07	TP-36	2,4-DCAA	1	500	278	56		10	141
		2,4-DCAA	2	500	280	56		10	141
Q2514-08	TP-78	2,4-DCAA	1	500	293	59		10	141
		2,4-DCAA	2	500	302	60		10	141
Q2514-09	TP-81	2,4-DCAA	1	500	87.9	18		10	141
		2,4-DCAA	2	500	161	32		10	141
Q2514-10	TP-90	2,4-DCAA	1	500	40.9	8	*	10	141
		2,4-DCAA	2	500	67.1	13		10	141
I.BLK-PS031002.D	PIBLK-PS031002.D	2,4-DCAA	1	500	478	96		61	136
		2,4-DCAA	2	500	483	97		61	136
I.BLK-PS031005.D	PIBLK-PS031005.D	2,4-DCAA	1	500	356	71		61	136
		2,4-DCAA	2	500	496	99		61	136
I.BLK-PS031012.D	PIBLK-PS031012.D	2,4-DCAA	1	500	375	75		61	136

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Surrogate Summary

SDG No.: Q2514

Client: CDM Smith

Analytical Method: 8151A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%) Low	Limits(%) High
I.BLK-PS031012.D	PIBLK-PS031012.D	2,4-DCAA	2	500	493	99		61	136
Q2514-10RE	TP-90RE	2,4-DCAA	1	500	35.9	7	*	10	141
		2,4-DCAA	2	500	81.2	16		10	141
I.BLK-PS031018.D	PIBLK-PS031018.D	2,4-DCAA	1	500	399	80		61	136
		2,4-DCAA	2	500	489	98		61	136

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2514 **Analytical Method:** 8151A

Client: CDM Smith **DataFile :** PS030961.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID: Q2493-01MS Client Sample ID: WC-11MS (Column 1)											
DICAMBA	187.5	0	137	ug/Kg	73				10	112	
DICHLORPROP	187.5	0	144	ug/Kg	77				10	113	
2,4-D	187.5	0	545	ug/Kg	291	*			10	144	
2,4,5-TP(Silvex)	187.5	0	143	ug/Kg	76				10	114	
2,4,5-T	187.5	0	155	ug/Kg	83				10	115	
2,4-DB	187.5	0	134	ug/Kg	71				10	140	
Dinoseb	187.5	0	0	ug/Kg	0	*			10	118	
Lab Sample ID: Q2493-01MS Client Sample ID: WC-11MS (Column 2)											
DICAMBA	187.5	0	133	ug/Kg	71				10	112	
DICHLORPROP	187.5	0	142	ug/Kg	76				10	113	
2,4-D	187.5	0	124	ug/Kg	66	*			10	144	
2,4,5-TP(Silvex)	187.5	0	142	ug/Kg	76				10	114	
2,4,5-T	187.5	0	140	ug/Kg	75				10	115	
2,4-DB	187.5	0	117	ug/Kg	62				10	140	
Dinoseb	187.5	0	0	ug/Kg	0	*			10	118	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2514 **Analytical Method:** 8151A

Client: CDM Smith **DataFile :** PS030962.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: **Q2493-01MSD** **Client Sample ID:** **WC-11MSD** **(Column 1)**											
DICAMBA	187.4	0	138	ug/Kg	74		1		10	112	20
DICHLORPROP	187.4	0	133	ug/Kg	71		8		10	113	20
2,4-D	187.4	0	562	ug/Kg	300	*	3		10	144	20
2,4,5-TP(Silvex)	187.4	0	144	ug/Kg	77		1		10	114	20
2,4,5-T	187.4	0	159	ug/Kg	85		2		10	115	20
2,4-DB	187.4	0	126	ug/Kg	67		6		10	140	20
Dinoseb	187.4	0	0	ug/Kg	0	*	0		10	118	20
Lab Sample ID: **Q2493-01MSD** **Client Sample ID:** **WC-11MSD** **(Column 2)**											
DICAMBA	187.4	0	133	ug/Kg	71		0		10	112	20
DICHLORPROP	187.4	0	143	ug/Kg	76		0		10	113	20
2,4-D	187.4	0	128	ug/Kg	68	*	3		10	144	20
2,4,5-TP(Silvex)	187.4	0	143	ug/Kg	76		0		10	114	20
2,4,5-T	187.4	0	142	ug/Kg	76		1		10	115	20
2,4-DB	187.4	0	119	ug/Kg	64		3		10	140	20
Dinoseb	187.4	0	0	ug/Kg	0	*	0		10	118	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2514 **Analytical Method:** 8151A

Client: CDM Smith **Datafile :** PS030964.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB168753BS (Column 1)	DICAMBA	166.6	172	ug/Kg	103				72	129	
	DICHLORPROP	166.6	163	ug/Kg	98				77	135	
	2,4-D	166.6	170	ug/Kg	102				65	144	
	2,4,5-TP(Silvex)	166.6	176	ug/Kg	106				74	146	
	2,4,5-T	166.6	185	ug/Kg	111				77	134	
	2,4-DB	166.6	193	ug/Kg	116				72	122	
	Dinoseb	166.6	168	ug/Kg	101				74	132	
PB168753BS (Column 2)	DICAMBA	166.6	162	ug/Kg	97				72	129	
	DICHLORPROP	166.6	159	ug/Kg	95				77	135	
	2,4-D	166.6	153	ug/Kg	92				65	144	
	2,4,5-TP(Silvex)	166.6	167	ug/Kg	100				74	146	
	2,4,5-T	166.6	168	ug/Kg	101				77	134	
	2,4-DB	166.6	161	ug/Kg	97				72	122	
	Dinoseb	166.6	153	ug/Kg	92				74	132	

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4C

PESTICIDE METHOD BLANK SUMMARY

Client ID: PB168753BL

Lab Name: Alliance | Contract: CAMP02

Lab Code: ACE | SDG NO.: Q2514

Lab Sample ID: PB168753BL | Lab File ID: PS030963.D

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

Sulfur Cleanup: (Y/N) N | Date Extracted: 07/08/2025

Date Analyzed (1): 07/09/2025 | Date Analyzed (2): 07/09/2025

Time Analyzed (1): 13:12 | Time Analyzed (2): 13:12

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
WC-11MS	Q2493-01MS	PS030961.D	07/09/2025	07/09/2025
WC-11MSD	Q2493-01MSD	PS030962.D	07/09/2025	07/09/2025
PB168753BS	PB168753BS	PS030964.D	07/09/2025	07/09/2025
TP-92	Q2514-01	PS030992.D	07/10/2025	07/10/2025
TP-93	Q2514-02	PS030993.D	07/10/2025	07/10/2025
TP-94	Q2514-03	PS030994.D	07/10/2025	07/10/2025
TP-96	Q2514-04	PS030995.D	07/10/2025	07/10/2025
TP-97	Q2514-05	PS030996.D	07/10/2025	07/10/2025
TP-103	Q2514-06	PS030997.D	07/10/2025	07/10/2025
TP-36	Q2514-07	PS030998.D	07/10/2025	07/10/2025
TP-78	Q2514-08	PS030999.D	07/10/2025	07/10/2025
TP-81	Q2514-09	PS031000.D	07/10/2025	07/10/2025
TP-90	Q2514-10	PS031001.D	07/10/2025	07/10/2025

COMMENTS:

QC SAMPLE DATA

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB168753BL	SDG No.:	Q2514
Lab Sample ID:	PB168753BL	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
PS030963.D	1	07/08/25 13:30	07/09/25 13:12	PB168753

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	441		10 - 141	88%	SPK: 500

Comments:

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

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

Alliance TECHNICAL GROUP
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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.:	Q2514
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:	07/09/25
Project:	South River WM Replacement	Date Received:	07/09/25
Client Sample ID:	PIBLK-PS030958.D	SDG No.:	Q2514
Lab Sample ID:	I.BLK-PS030958.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
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
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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

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Fax : 908 789 8922

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.:	Q2514
Lab Sample ID:	I.BLK-PS030966.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
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:

U = Not Detected
LOQ = Limit of Quantitation
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

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	CDM Smith	Date Collected:	07/10/25
Project:	South River WM Replacement	Date Received:	07/10/25
Client Sample ID:	PIBLK-PS030989.D	SDG No.:	Q2514
Lab Sample ID:	I.BLK-PS030989.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
PS030989.D	1		07/10/25	ps071025

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	476		61 - 136	95%	SPK: 500

Comments:

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LOQ = Limit of Quantitation
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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

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Fax : 908 789 8922

Report of Analysis

Client:	CDM Smith	Date Collected:	07/10/25
Project:	South River WM Replacement	Date Received:	07/10/25
Client Sample ID:	PIBLK-PS031002.D	SDG No.:	Q2514
Lab Sample ID:	I.BLK-PS031002.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
PS031002.D	1		07/10/25	ps071025

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	483		61 - 136	97%	SPK: 500

Comments:

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LOQ = Limit of Quantitation
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

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:	07/11/25
Project:	South River WM Replacement	Date Received:	07/11/25
Client Sample ID:	PIBLK-PS031005.D	SDG No.:	Q2514
Lab Sample ID:	I.BLK-PS031005.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
PS031005.D	1		07/11/25	PS071125

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	496		61 - 136	99%	SPK: 500

Comments:

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LOQ = Limit of Quantitation
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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
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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

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Fax : 908 789 8922

Report of Analysis

Client:	CDM Smith	Date Collected:	07/11/25
Project:	South River WM Replacement	Date Received:	07/11/25
Client Sample ID:	PIBLK-PS031012.D	SDG No.:	Q2514
Lab Sample ID:	I.BLK-PS031012.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
PS031012.D	1		07/11/25	PS071125

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	493		61 - 136	99%	SPK: 500

Comments:

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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:	07/11/25
Project:	South River WM Replacement	Date Received:	07/11/25
Client Sample ID:	PIBLK-PS031018.D	SDG No.:	Q2514
Lab Sample ID:	I.BLK-PS031018.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
PS031018.D	1		07/11/25	PS071125

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	489		61 - 136	98%	SPK: 500

Comments:

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() = Laboratory InHouse Limit

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB168753BS	SDG No.:	Q2514
Lab Sample ID:	PB168753BS	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
PS030964.D	1	07/08/25 13:30	07/09/25 13:36	PB168753

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	172		7.70	67.0	ug/Kg
120-36-5	DICHLORPROP	163		12.8	67.0	ug/Kg
94-75-7	2,4-D	170		9.00	67.0	ug/Kg
93-72-1	2,4,5-TP (Silvex)	176		9.10	67.0	ug/Kg
93-76-5	2,4,5-T	185		8.70	67.0	ug/Kg
94-82-6	2,4-DB	193		24.2	67.0	ug/Kg
88-85-7	DINOSEB	168		10.8	67.0	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	539		10 - 141	108%	SPK: 500

Comments:

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LOQ = Limit of Quantitation
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

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Fax : 908 789 8922

Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/02/25
Client Sample ID:	WC-11MS	SDG No.:	Q2514
Lab Sample ID:	Q2493-01MS	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	88.7 Decanted:
Sample Wt/Vol:	30.06 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030961.D	1	07/08/25 13:30	07/09/25 12:24	PB168753

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	137		8.70	75.4	ug/Kg
120-36-5	DICHLORPROP	144		14.4	75.4	ug/Kg
94-75-7	2,4-D	545	P	10.2	75.4	ug/Kg
93-72-1	2,4,5-TP (Silvex)	143		10.2	75.4	ug/Kg
93-76-5	2,4,5-T	155		9.80	75.4	ug/Kg
94-82-6	2,4-DB	134		27.2	75.4	ug/Kg
88-85-7	DINOSEB	12.2	U	12.2	75.4	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	487		10 - 141	97%	SPK: 500

Comments:

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

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

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Fax : 908 789 8922

Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/02/25
Client Sample ID:	WC-11MSD	SDG No.:	Q2514
Lab Sample ID:	Q2493-01MSD	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	88.7 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
PS030962.D	1	07/08/25 13:30	07/09/25 12:48	PB168753

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	138		8.70	75.3	ug/Kg
120-36-5	DICHLORPROP	143		14.4	75.3	ug/Kg
94-75-7	2,4-D	562	P	10.2	75.3	ug/Kg
93-72-1	2,4,5-TP (Silvex)	144		10.2	75.3	ug/Kg
93-76-5	2,4,5-T	159		9.80	75.3	ug/Kg
94-82-6	2,4-DB	126		27.2	75.3	ug/Kg
88-85-7	DINOSEB	12.1	U	12.1	75.3	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
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J = Estimated Value
B = Analyte Found in Associated Method Blank
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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

Lab Name: Alliance
Contract: CAMP02
Lab Code: ACE
SDG NO.: Q2514
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

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RETENTION TIMES OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_S
Contract: CAMP02
SDG NO.: Q2514
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

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CALIBRATION FACTOR OF INITIAL CALIBRATION

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

Contract: CAMP02
SDG NO.: Q2514
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

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CALIBRATION FACTOR OF INITIAL CALIBRATION

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

Contract: CAMP02
SDG NO.: Q2514
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

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RETENTION TIMES OF INITIAL CALIBRATION

Lab Name: Alliance
Contract: CAMP02
Lab Code: ACE
SDG NO.: Q2514
Instrument ID: ECD_S
Calibration Date(s): 07/11/2025 07/11/2025
Calibration Times: 16:00 17:36

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

LAB FILE ID: RT 200 = PS031006.D RT 500 = PS031007.D
RT 750 = PS031008.D RT 1000 = PS031009.D RT 1500 = PS031010.D

COMPOUND	RT 200	RT 500	RT 750	RT 1000	RT 1500	MEAN RT	RT WINDOW FROM	RT WINDOW TO
2,4,5-T	9.65	9.65	9.65	9.65	9.65	9.65	9.55	9.75
2,4,5-TP(Silvex)	9.35	9.35	9.35	9.35	9.35	9.35	9.25	9.45
2,4-D	8.47	8.47	8.47	8.47	8.47	8.47	8.37	8.57
2,4-DB	10.23	10.23	10.23	10.22	10.22	10.22	10.12	10.32
2,4-DCAA	7.33	7.33	7.33	7.33	7.33	7.33	7.23	7.43
DICAMBA	7.52	7.52	7.52	7.52	7.52	7.52	7.42	7.62
DICHLORPROP	8.23	8.23	8.24	8.23	8.23	8.23	8.13	8.33
Dinoseb	11.44	11.44	11.44	11.44	11.44	11.44	11.34	11.54

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RETENTION TIMES OF INITIAL CALIBRATION

Lab Name: Alliance
Contract: CAMP02
Lab Code: ACE
SDG NO.: Q2514
Instrument ID: ECD_S
Calibration Date(s): 07/11/2025 07/11/2025
Calibration Times: 16:00 17:36

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

LAB FILE ID: RT 200 = PS031006.D RT 500 = PS031007.D
RT 750 = PS031008.D RT 1000 = PS031009.D RT 1500 = PS031010.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

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CALIBRATION FACTOR OF INITIAL CALIBRATION

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

Contract: CAMP02
SDG NO.: Q2514
Calibration Date(s): 07/11/2025 07/11/2025
Calibration Times: 16:00 17:36

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

LAB FILE ID: **CF 200 =** PS031006.D **CF 500 =** PS031007.D
CF 750 = PS031008.D **CF 1000 =** PS031009.D **CF 1500 =** PS031010.D

COMPOUND	CF 200	CF 500	CF 750	CF 1000	CF 1500	CF	% RSD
2,4,5-T	16153700000	14634600000	14827200000	15218900000	15232300000	15213300000	4
2,4,5-TP(Silvex)	20737500000	18270800000	18189000000	18194100000	17662300000	18610700000	7
2,4-D	3556670000	2984170000	2931980000	2976850000	2942510000	3078440000	9
2,4-DB	2297930000	2042050000	2088340000	2166500000	2259130000	2170790000	5
2,4-DCAA	4821770000	3910250000	3755950000	3730170000	3557220000	3955070000	13
DICAMBA	18746100000	15451800000	15023600000	14973000000	14260000000	15690900000	11
DICHLORPROP	4147310000	3328120000	3223340000	3219630000	3107370000	3405150000	12
Dinoseb	14412500000	12754600000	12827100000	13048300000	12877100000	13183900000	5

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CALIBRATION FACTOR OF INITIAL CALIBRATION

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

Contract: CAMP02
SDG NO.: Q2514
Calibration Date(s): 07/11/2025 07/11/2025
Calibration Times: 16:00 17:36

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

LAB FILE ID: CF 200 = PS031006.D CF 500 = PS031007.D
CF 750 = PS031008.D CF 1000 = PS031009.D CF 1500 = PS031010.D

COMPOUND	CF 200	CF 500	CF 750	CF 1000	CF 1500	CF	% RSD
2,4,5-T	16269400000	13765000000	13530200000	13537000000	12857400000	13991800000	9
2,4,5-TP(Silvex)	17216300000	14510800000	14174600000	14131100000	13346200000	14675800000	10
2,4-D	2058060000	1665160000	1617550000	1610710000	1545850000	1699460000	12
2,4-DB	1412490000	1151430000	1126050000	1131610000	1094330000	1183180000	11
2,4-DCAA	1258080000	1011280000	984071000	981302000	945431000	1036030000	12
DICAMBA	7306630000	6285710000	6261030000	6359950000	6168790000	6476420000	7
DICHLORPROP	1860680000	1491170000	1445400000	1431140000	1367910000	1519260000	13
Dinoseb	13202400000	11075600000	10918600000	11003800000	10557100000	11351500000	9

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CAMP02

Lab Code: ACE **SDG NO.:** Q2514

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-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

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CAMP02

Lab Code: ACE **SDG NO.:** Q2514

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	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	8.69	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

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CAMP02

Lab Code: ACE **SDG NO.:** Q2514

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

Client Sample No.: CCAL01 **Date Analyzed:** 07/09/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS030959.D **Time Analyzed:** 11:36

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	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

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CAMP02

Lab Code: ACE **SDG NO.:** Q2514

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

Client Sample No.: CCAL01 **Date Analyzed:** 07/09/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS030959.D **Time Analyzed:** 11:36

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	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

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CAMP02

Lab Code: ACE **SDG NO.:** Q2514

Continuing Calib Date: 07/09/2025 **Initial Calibration Date(s):** 06/18/2025 06/18/2025

Continuing Calib Time: 14:52 **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	9.65	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

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CAMP02

Lab Code: ACE **SDG NO.:** Q2514

Continuing Calib Date: 07/09/2025 **Initial Calibration Date(s):** 06/18/2025 06/18/2025

Continuing Calib Time: 14:52 **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	0.00
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

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CAMP02

Lab Code: ACE **SDG NO.:** Q2514

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

Client Sample No.: CCAL02 **Date Analyzed:** 07/09/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS030967.D **Time Analyzed:** 14:52

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

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CAMP02

Lab Code: ACE **SDG NO.:** Q2514

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

Client Sample No.: CCAL02 **Date Analyzed:** 07/09/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS030967.D **Time Analyzed:** 14:52

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

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CAMP02

Lab Code: ACE **SDG NO.:** Q2514

Continuing Calib Date: 07/10/2025 **Initial Calibration Date(s):** 06/18/2025 06/18/2025

Continuing Calib Time: 16:59 **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	7.52	7.54	7.44	7.64	0.02
2,4-DCAA	7.33	7.35	7.25	7.45	0.02
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	0.03
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

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CAMP02

Lab Code: ACE **SDG NO.:** Q2514

Continuing Calib Date: 07/10/2025 **Initial Calibration Date(s):** 06/18/2025 06/18/2025

Continuing Calib Time: 16:59 **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	0.00
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

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CAMP02

Lab Code: ACE **SDG NO.:** Q2514

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

Client Sample No.: CCAL03 **Date Analyzed:** 07/10/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS030990.D **Time Analyzed:** 16:59

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.650	9.568	9.768	782.090	712.500	9.8
2,4,5-TP(Silvex)	9.355	9.275	9.475	720.380	712.500	1.1
2,4-D	8.469	8.386	8.586	702.820	705.000	-0.3
2,4-DB	10.227	10.147	10.347	848.520	712.500	19.1
2,4-DCAA	7.334	7.249	7.449	718.940	750.000	-4.1
DICAMBA	7.524	7.439	7.639	694.160	705.000	-1.5
DICHLORPROP	8.237	8.153	8.353	649.970	705.000	-7.8
Dinoseb	11.443	11.366	11.566	705.470	705.000	0.1

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CAMP02

Lab Code: ACE **SDG NO.:** Q2514

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

Client Sample No.: CCAL03 **Date Analyzed:** 07/10/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS030990.D **Time Analyzed:** 16:59

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	10.359	10.259	10.459	678.370	712.500	-4.8
2,4,5-TP(Silvex)	9.932	9.833	10.033	671.710	712.500	-5.7
2,4-D	9.027	8.927	9.127	622.580	705.000	-11.7
2,4-DB	10.927	10.827	11.027	653.050	712.500	-8.3
2,4-DCAA	7.768	7.670	7.870	672.370	750.000	-10.4
DICAMBA	7.971	7.872	8.072	654.990	705.000	-7.1
DICHLORPROP	8.691	8.591	8.791	633.040	705.000	-10.2
Dinoseb	11.312	11.211	11.411	643.930	705.000	-8.7

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CAMP02

Lab Code: ACE **SDG NO.:** Q2514

Continuing Calib Date: 07/10/2025 **Initial Calibration Date(s):** 06/18/2025 06/18/2025

Continuing Calib Time: 23:00 **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	7.52	7.54	7.44	7.64	0.02
2,4-DCAA	7.33	7.35	7.25	7.45	0.02
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)	9.35	9.38	9.28	9.48	0.03
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

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CAMP02

Lab Code: ACE **SDG NO.:** Q2514

Continuing Calib Date: 07/10/2025 **Initial Calibration Date(s):** 06/18/2025 06/18/2025

Continuing Calib Time: 23:00 **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	7.77	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

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CAMP02

Lab Code: ACE **SDG NO.:** Q2514

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

Client Sample No.: CCAL04 **Date Analyzed:** 07/10/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS031003.D **Time Analyzed:** 23:00

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.649	9.568	9.768	735.600	712.500	3.2
2,4,5-TP(Silvex)	9.354	9.275	9.475	672.800	712.500	-5.6
2,4-D	8.468	8.386	8.586	661.630	705.000	-6.2
2,4-DB	10.226	10.147	10.347	804.280	712.500	12.9
2,4-DCAA	7.333	7.249	7.449	666.030	750.000	-11.2
DICAMBA	7.523	7.439	7.639	645.370	705.000	-8.5
DICHLORPROP	8.236	8.153	8.353	607.100	705.000	-13.9
Dinoseb	11.442	11.366	11.566	659.660	705.000	-6.4

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CAMP02

Lab Code: ACE **SDG NO.:** Q2514

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

Client Sample No.: CCAL04 **Date Analyzed:** 07/10/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS031003.D **Time Analyzed:** 23:00

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	10.358	10.259	10.459	641.980	712.500	-9.9
2,4,5-TP(Silvex)	9.932	9.833	10.033	635.960	712.500	-10.7
2,4-D	9.026	8.927	9.127	596.880	705.000	-15.3
2,4-DB	10.926	10.827	11.027	615.700	712.500	-13.6
2,4-DCAA	7.768	7.670	7.870	631.260	750.000	-15.8
DICAMBA	7.970	7.872	8.072	615.460	705.000	-12.7
DICHLORPROP	8.690	8.591	8.791	598.930	705.000	-15.0
Dinoseb	11.311	11.211	11.411	604.860	705.000	-14.2

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CAMP02

Lab Code: ACE **SDG NO.:** Q2514

Continuing Calib Date: 07/11/2025 **Initial Calibration Date(s):** 07/11/2025 07/11/2025

Continuing Calib Time: 18:49 **Initial Calibration Time(s):** 16:00 17:36

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.52	7.52	7.42	7.62	0.00
2,4-DCAA	7.33	7.33	7.23	7.43	0.00
DICHLORPROP	8.23	8.24	8.14	8.34	0.01
2,4-D	8.47	8.47	8.37	8.57	0.00
2,4,5-TP(Silvex)	9.35	9.35	9.25	9.45	0.00
2,4,5-T	9.65	9.65	9.55	9.75	0.00
2,4-DB	10.22	10.23	10.13	10.33	0.01
Dinoseb	11.44	11.44	11.34	11.54	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CAMP02

Lab Code: ACE **SDG NO.:** Q2514

Continuing Calib Date: 07/11/2025 **Initial Calibration Date(s):** 07/11/2025 07/11/2025

Continuing Calib Time: 18:49 **Initial Calibration Time(s):** 16:00 17:36

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	0.00
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

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CAMP02

Lab Code: ACE **SDG NO.:** Q2514

GC Column: RTX-CLP **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 07/11/2025 07/11/2025

Client Sample No.: CCAL05 **Date Analyzed:** 07/11/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS031013.D **Time Analyzed:** 18:49

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.645	9.547	9.747	727.330	712.500	2.1
2,4,5-TP(Silvex)	9.352	9.253	9.453	718.350	712.500	0.8
2,4-D	8.466	8.367	8.567	698.180	705.000	-1.0
2,4-DB	10.224	10.125	10.325	727.010	712.500	2.0
2,4-DCAA	7.332	7.233	7.433	725.270	750.000	-3.3
DICAMBA	7.522	7.422	7.622	680.050	705.000	-3.5
DICHLORPROP	8.234	8.135	8.335	680.950	705.000	-3.4
Dinoseb	11.438	11.339	11.539	714.790	705.000	1.4

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CAMP02

Lab Code: ACE **SDG NO.:** Q2514

GC Column: RTX-CLP2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/11/2025 07/11/2025

Client Sample No.: CCAL05 **Date Analyzed:** 07/11/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS031013.D **Time Analyzed:** 18:49

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	10.358	10.258	10.458	684.990	712.500	-3.9
2,4,5-TP(Silvex)	9.932	9.832	10.032	684.890	712.500	-3.9
2,4-D	9.027	8.927	9.127	666.470	705.000	-5.5
2,4-DB	10.926	10.826	11.026	676.410	712.500	-5.1
2,4-DCAA	7.769	7.669	7.869	707.860	750.000	-5.6
DICAMBA	7.971	7.871	8.071	679.880	705.000	-3.6
DICHLORPROP	8.690	8.591	8.791	665.300	705.000	-5.6
Dinoseb	11.311	11.210	11.410	673.600	705.000	-4.5

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CAMP02

Lab Code: ACE **SDG NO.:** Q2514

Continuing Calib Date: 07/11/2025 **Initial Calibration Date(s):** 07/11/2025 07/11/2025

Continuing Calib Time: 22:02 **Initial Calibration Time(s):** 16:00 17:36

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.52	7.52	7.42	7.62	0.00
2,4-DCAA	7.33	7.33	7.23	7.43	0.00
DICHLORPROP	8.23	8.24	8.14	8.34	0.01
2,4-D	8.47	8.47	8.37	8.57	0.00
2,4,5-TP(Silvex)	9.35	9.35	9.25	9.45	0.00
2,4,5-T	9.65	9.65	9.55	9.75	0.00
2,4-DB	10.22	10.23	10.13	10.33	0.01
Dinoseb	11.44	11.44	11.34	11.54	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CAMP02

Lab Code: ACE **SDG NO.:** Q2514

Continuing Calib Date: 07/11/2025 **Initial Calibration Date(s):** 07/11/2025 07/11/2025

Continuing Calib Time: 22:02 **Initial Calibration Time(s):** 16:00 17:36

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	0.00
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

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CAMP02

Lab Code: ACE **SDG NO.:** Q2514

GC Column: RTX-CLP **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 07/11/2025 07/11/2025

Client Sample No.: CCAL06 **Date Analyzed:** 07/11/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS031019.D **Time Analyzed:** 22:02

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.646	9.547	9.747	798.790	712.500	12.1
2,4,5-TP(Silvex)	9.351	9.253	9.453	750.150	712.500	5.3
2,4-D	8.466	8.367	8.567	747.650	705.000	6.0
2,4-DB	10.222	10.125	10.325	823.210	712.500	15.5
2,4-DCAA	7.332	7.233	7.433	740.320	750.000	-1.3
DICAMBA	7.521	7.422	7.622	693.960	705.000	-1.6
DICHLORPROP	8.233	8.135	8.335	699.300	705.000	-0.8
Dinoseb	11.438	11.339	11.539	758.250	705.000	7.6

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CAMP02

Lab Code: ACE **SDG NO.:** Q2514

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 07/11/2025 07/11/2025

Client Sample No.: CCAL06 **Date Analyzed:** 07/11/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS031019.D **Time Analyzed:** 22:02

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	10.358	10.258	10.458	690.990	712.500	-3.0
2,4,5-TP(Silvex)	9.932	9.832	10.032	689.220	712.500	-3.3
2,4-D	9.026	8.927	9.127	669.050	705.000	-5.1
2,4-DB	10.926	10.826	11.026	677.520	712.500	-4.9
2,4-DCAA	7.769	7.669	7.869	711.250	750.000	-5.2
DICAMBA	7.971	7.871	8.071	684.630	705.000	-2.9
DICHLORPROP	8.690	8.591	8.791	663.820	705.000	-5.8
Dinoseb	11.310	11.210	11.410	673.080	705.000	-4.5

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Analytical Sequence

Client: CDM Smith **SDG No.:** Q2514

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 #
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	07/09/2025	09:32	PS030958.D	7.34	0.00
HSTDCCC750	HSTDCCC750	07/09/2025	11:36	PS030959.D	7.34	0.00
WC-11MS	Q2493-01MS	07/09/2025	12:24	PS030961.D	7.34	0.00
WC-11MSD	Q2493-01MSD	07/09/2025	12:48	PS030962.D	7.34	0.00
PB168753BL	PB168753BL	07/09/2025	13:12	PS030963.D	7.34	0.00
PB168753BS	PB168753BS	07/09/2025	13:36	PS030964.D	7.34	0.00
I.BLK	I.BLK	07/09/2025	14:28	PS030966.D	7.34	0.00
HSTDCCC750	HSTDCCC750	07/09/2025	14:52	PS030967.D	7.34	0.00
I.BLK	I.BLK	07/10/2025	16:34	PS030989.D	7.34	0.00
HSTDCCC750	HSTDCCC750	07/10/2025	16:59	PS030990.D	7.33	0.00
TP-92	Q2514-01	07/10/2025	18:11	PS030992.D	7.33	0.00
TP-93	Q2514-02	07/10/2025	18:35	PS030993.D	7.33	0.00
TP-94	Q2514-03	07/10/2025	19:00	PS030994.D	7.33	0.00
TP-96	Q2514-04	07/10/2025	19:24	PS030995.D	7.33	0.00
TP-97	Q2514-05	07/10/2025	19:48	PS030996.D	7.33	0.00
TP-103	Q2514-06	07/10/2025	20:12	PS030997.D	7.33	0.00
TP-36	Q2514-07	07/10/2025	20:36	PS030998.D	7.33	0.00
TP-78	Q2514-08	07/10/2025	21:00	PS030999.D	7.33	0.00
TP-81	Q2514-09	07/10/2025	21:25	PS031000.D	7.33	0.00
TP-90	Q2514-10	07/10/2025	21:49	PS031001.D	7.33	0.00
I.BLK	I.BLK	07/10/2025	22:13	PS031002.D	7.33	0.00
HSTDCCC750	HSTDCCC750	07/10/2025	23:00	PS031003.D	7.33	0.00
I.BLK	I.BLK	07/11/2025	15:35	PS031005.D	7.33	0.00
HSTDICC200	HSTDICC200	07/11/2025	16:00	PS031006.D	7.33	0.00
HSTDICC500	HSTDICC500	07/11/2025	16:24	PS031007.D	7.33	0.00
HSTDICC750	HSTDICC750	07/11/2025	16:48	PS031008.D	7.33	0.00
HSTDICC1000	HSTDICC1000	07/11/2025	17:12	PS031009.D	7.33	0.00
HSTDICC1500	HSTDICC1500	07/11/2025	17:36	PS031010.D	7.33	0.00
I.BLK	I.BLK	07/11/2025	18:25	PS031012.D	7.33	0.00
HSTDCCC750	HSTDCCC750	07/11/2025	18:49	PS031013.D	7.33	0.00
TP-90RE	Q2514-10RE	07/11/2025	20:25	PS031015.D	7.33	0.00
I.BLK	I.BLK	07/11/2025	21:38	PS031018.D	7.33	0.00
HSTDCCC750	HSTDCCC750	07/11/2025	22:02	PS031019.D	7.33	0.00

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Analytical Sequence

Client: CDM Smith **SDG No.:** Q2514

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 #
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	07/09/2025	09:32	PS030958.D	7.77	0.00
HSTDCCC750	HSTDCCC750	07/09/2025	11:36	PS030959.D	7.76	0.00
WC-11MS	Q2493-01MS	07/09/2025	12:24	PS030961.D	7.77	0.00
WC-11MSD	Q2493-01MSD	07/09/2025	12:48	PS030962.D	7.77	0.00
PB168753BL	PB168753BL	07/09/2025	13:12	PS030963.D	7.77	0.00
PB168753BS	PB168753BS	07/09/2025	13:36	PS030964.D	7.77	0.00
I.BLK	I.BLK	07/09/2025	14:28	PS030966.D	7.77	0.00
HSTDCCC750	HSTDCCC750	07/09/2025	14:52	PS030967.D	7.77	0.00
I.BLK	I.BLK	07/10/2025	16:34	PS030989.D	7.77	0.00
HSTDCCC750	HSTDCCC750	07/10/2025	16:59	PS030990.D	7.77	0.00
TP-92	Q2514-01	07/10/2025	18:11	PS030992.D	7.77	0.00
TP-93	Q2514-02	07/10/2025	18:35	PS030993.D	7.77	0.00
TP-94	Q2514-03	07/10/2025	19:00	PS030994.D	7.77	0.00
TP-96	Q2514-04	07/10/2025	19:24	PS030995.D	7.77	0.00
TP-97	Q2514-05	07/10/2025	19:48	PS030996.D	7.77	0.00
TP-103	Q2514-06	07/10/2025	20:12	PS030997.D	7.77	0.00
TP-36	Q2514-07	07/10/2025	20:36	PS030998.D	7.77	0.00
TP-78	Q2514-08	07/10/2025	21:00	PS030999.D	7.77	0.00
TP-81	Q2514-09	07/10/2025	21:25	PS031000.D	7.77	0.00
TP-90	Q2514-10	07/10/2025	21:49	PS031001.D	7.77	0.00
I.BLK	I.BLK	07/10/2025	22:13	PS031002.D	7.77	0.00
HSTDCCC750	HSTDCCC750	07/10/2025	23:00	PS031003.D	7.77	0.00
I.BLK	I.BLK	07/11/2025	15:35	PS031005.D	7.77	0.00
HSTDICC200	HSTDICC200	07/11/2025	16:00	PS031006.D	7.77	0.00
HSTDICC500	HSTDICC500	07/11/2025	16:24	PS031007.D	7.77	0.00
HSTDICC750	HSTDICC750	07/11/2025	16:48	PS031008.D	7.77	0.00
HSTDICC1000	HSTDICC1000	07/11/2025	17:12	PS031009.D	7.77	0.00
HSTDICC1500	HSTDICC1500	07/11/2025	17:36	PS031010.D	7.77	0.00
I.BLK	I.BLK	07/11/2025	18:25	PS031012.D	7.77	0.00
HSTDCCC750	HSTDCCC750	07/11/2025	18:49	PS031013.D	7.77	0.00
TP-90RE	Q2514-10RE	07/11/2025	20:25	PS031015.D	7.78	0.00
I.BLK	I.BLK	07/11/2025	21:38	PS031018.D	7.77	0.00
HSTDCCC750	HSTDCCC750	07/11/2025	22:02	PS031019.D	7.77	0.00

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB168753BS

Lab Name: Alliance **Contract:** CAMP02

Lab Code: ACE **SDG NO.:** Q2514

Lab Sample ID: PB168753BS **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 FROM	RT WINDOW TO	CONCENTRATION	%RPD
DICHLORPROP	1	8.24	8.19	8.29	163	2.5
	2	8.69	8.64	8.74	159	
2,4-D	1	8.47	8.42	8.52	170	10.5
	2	9.03	8.98	9.08	153	
2,4,5-TP(Silvex)	1	9.36	9.31	9.41	176	5.2
	2	9.93	9.88	9.98	167	
2,4,5-T	1	9.65	9.60	9.70	185	9.6
	2	10.36	10.31	10.41	168	
2,4-DB	1	10.23	10.18	10.28	193	18.1
	2	10.93	10.88	10.98	161	
Dinoseb	1	11.45	11.40	11.50	168	9.3
	2	11.31	11.26	11.36	153	
DICAMBA	1	7.53	7.48	7.58	172	6
	2	7.97	7.92	8.02	162	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

WC-11MS

Lab Name: Alliance **Contract:** CAMP02

Lab Code: ACE **SDG NO.:** Q2514

Lab Sample ID: Q2493-01MS **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 FROM	RT WINDOW TO	CONCENTRATION	%RPD
DICHLORPROP	1	8.24	8.19	8.29	144	1.4
	2	8.69	8.64	8.74	142	
2,4-D	1	8.46	8.41	8.51	545	125.9
	2	9.03	8.98	9.08	124	
2,4,5-TP(Silvex)	1	9.36	9.31	9.41	143	0.7
	2	9.93	9.88	9.98	142	
2,4,5-T	1	9.65	9.60	9.70	155	10.2
	2	10.36	10.31	10.41	140	
2,4-DB	1	10.23	10.18	10.28	134	13.5
	2	10.93	10.88	10.98	117	
DICAMBA	1	7.53	7.48	7.58	137	3
	2	7.97	7.92	8.02	133	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

WC-11MSD

Lab Name: Alliance **Contract:** CAMP02

Lab Code: ACE **SDG NO.:** Q2514

Lab Sample ID: Q2493-01MSD **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 FROM	RT WINDOW TO	CONCENTRATION	%RPD
DICAMBA	1	7.53	7.48	7.58	138	3.7
	2	7.97	7.92	8.02	133	
DICHLORPROP	1	8.24	8.19	8.29	133	7.2
	2	8.69	8.64	8.74	143	
2,4-D	1	8.46	8.41	8.51	562	125.8
	2	9.03	8.98	9.08	128	
2,4,5-TP(Silvex)	1	9.36	9.31	9.41	144	0.7
	2	9.93	9.88	9.98	143	
2,4,5-T	1	9.65	9.60	9.70	159	11.3
	2	10.36	10.31	10.41	142	
2,4-DB	1	10.23	10.18	10.28	126	5.7
	2	10.93	10.88	10.98	119	

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LAB CHRONICLE

OrderID:	Q2514	**OrderDate:**	7/3/2025 1:29:00 PM
Client:	CDM Smith	**Project:**	South River WM Replacement
Contact:	Marcie Ann Encinas	**Location:**	O21,O22,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2514-01	**TP-92**	**SOIL**			**07/02/25**			**07/03/25**
			Diesel Range Organics	8015D		07/08/25	07/08/25	
			Gasoline Range Organics	8015D			07/09/25	
			PCB	8082A		07/07/25	07/08/25	
			Pesticide-TCL	8081B		07/07/25	07/07/25	
Q2514-02	**TP-93**	**SOIL**			**07/02/25**			**07/03/25**
			Diesel Range Organics	8015D		07/08/25	07/08/25	
			Gasoline Range Organics	8015D			07/09/25	
			PCB	8082A		07/07/25	07/08/25	
			Pesticide-TCL	8081B		07/07/25	07/07/25	
Q2514-03	**TP-94**	**SOIL**			**07/02/25**			**07/03/25**
			Diesel Range Organics	8015D		07/08/25	07/08/25	
			Gasoline Range Organics	8015D			07/09/25	
			PCB	8082A		07/07/25	07/08/25	
			Pesticide-TCL	8081B		07/07/25	07/07/25	
Q2514-04	**TP-96**	**SOIL**			**07/02/25**			**07/03/25**
			Diesel Range Organics	8015D		07/08/25	07/08/25	
			Gasoline Range Organics	8015D			07/09/25	
			PCB	8082A		07/07/25	07/08/25	
			Pesticide-TCL	8081B		07/07/25	07/07/25	
Q2514-05	**TP-97**	**SOIL**			**07/02/25**			**07/03/25**
			Diesel Range Organics	8015D		07/08/25	07/08/25	
			Gasoline Range Organics	8015D			07/09/25	
			PCB	8082A		07/07/25	07/08/25	
			Pesticide-TCL	8081B		07/07/25	07/07/25	
Q2514-06	**TP-103**	**SOIL**			**07/02/25**			**07/03/25**
			Diesel Range Organics	8015D		07/08/25	07/08/25	

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LAB CHRONICLE

			Gasoline Range Organics	8015D		07/09/25	
			PCB	8082A	07/07/25	07/08/25	
			Pesticide-TCL	8081B	07/07/25	07/07/25	
Q2514-07	**TP-36**	**SOIL**			**07/03/25**		**07/03/25**
			Diesel Range Organics	8015D	07/08/25	07/08/25	
			Gasoline Range Organics	8015D		07/09/25	
			PCB	8082A	07/07/25	07/08/25	
			Pesticide-TCL	8081B	07/07/25	07/07/25	
Q2514-08	**TP-78**	**SOIL**			**07/03/25**		**07/03/25**
			Diesel Range Organics	8015D	07/08/25	07/08/25	
			Gasoline Range Organics	8015D		07/09/25	
			PCB	8082A	07/07/25	07/08/25	
			Pesticide-TCL	8081B	07/07/25	07/07/25	
Q2514-09	**TP-81**	**SOIL**			**07/03/25**		**07/03/25**
			Diesel Range Organics	8015D	07/08/25	07/08/25	
			Gasoline Range Organics	8015D		07/09/25	
			PCB	8082A	07/07/25	07/08/25	
			Pesticide-TCL	8081B	07/07/25	07/07/25	
Q2514-10	**TP-90**	**SOIL**			**07/03/25**		**07/03/25**
			Diesel Range Organics	8015D	07/08/25	07/08/25	
			Gasoline Range Organics	8015D		07/09/25	
			PCB	8082A	07/07/25	07/08/25	
			Pesticide-TCL	8081B	07/07/25	07/07/25	

SAMPLE DATA

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-92	SDG No.:	Q2514
Lab Sample ID:	Q2514-01	Matrix:	SOIL
Analytical Method:	8015D DRO	% Solid:	87.4 Decanted:
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1 mL
Soil Aliquot Vol:	uL	Test:	Diesel Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FG016254.D	1	07/08/25 08:35	07/08/25 19:54	PB168751

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
DRO	DRO	2460		193	1900	ug/kg
SURROGATES						
16416-32-3	Tetracosane-d50	9.74		37 - 130	49%	SPK: 20

Comments:

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

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-93	SDG No.:	Q2514
Lab Sample ID:	Q2514-02	Matrix:	SOIL
Analytical Method:	8015D DRO	% Solid:	87.7 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1 mL
Soil Aliquot Vol:	uL	Test:	Diesel Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FF016107.D	1	07/08/25 08:35	07/08/25 17:54	PB168751

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
DRO	DRO	13200		193	1900	ug/kg
SURROGATES						
16416-32-3	Tetracosane-d50	8.76		37 - 130	44%	SPK: 20

Comments:

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

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-94	SDG No.:	Q2514
Lab Sample ID:	Q2514-03	Matrix:	SOIL
Analytical Method:	8015D DRO	% Solid:	88.1 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1 mL
Soil Aliquot Vol:	uL	Test:	Diesel Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FG016255.D	1	07/08/25 08:35	07/08/25 20:23	PB168751

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
DRO	DRO	9120		192	1890	ug/kg
SURROGATES						
16416-32-3	Tetracosane-d50	10.1		37 - 130	51%	SPK: 20

Comments:

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

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-96	SDG No.:	Q2514
Lab Sample ID:	Q2514-04	Matrix:	SOIL
Analytical Method:	8015D DRO	% Solid:	85.8 Decanted:
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1 mL
Soil Aliquot Vol:	uL	Test:	Diesel Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FF016108.D	1	07/08/25 08:35	07/08/25 18:24	PB168751

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
DRO	DRO	22500		197	1940	ug/kg
SURROGATES						
16416-32-3	Tetracosane-d50	8.73		37 - 130	44%	SPK: 20

Comments:

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

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-97	SDG No.:	Q2514
Lab Sample ID:	Q2514-05	Matrix:	SOIL
Analytical Method:	8015D DRO	% Solid:	85 Decanted:
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1 mL
Soil Aliquot Vol:	uL	Test:	Diesel Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FG016256.D	1	07/08/25 08:35	07/08/25 20:54	PB168751

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
DRO	DRO	5350		198	1960	ug/kg
SURROGATES						
16416-32-3	Tetracosane-d50	9.61		37 - 130	48%	SPK: 20

Comments:

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

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-103	SDG No.:	Q2514
Lab Sample ID:	Q2514-06	Matrix:	SOIL
Analytical Method:	8015D DRO	% Solid:	86.5 Decanted:
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1 mL
Soil Aliquot Vol:	uL	Test:	Diesel Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FF016109.D	1	07/08/25 08:35	07/08/25 18:54	PB168751

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
DRO	DRO	9020		195	1920	ug/kg
SURROGATES						
16416-32-3	Tetracosane-d50	7.71		37 - 130	39%	SPK: 20

Comments:

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

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/03/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-36	SDG No.:	Q2514
Lab Sample ID:	Q2514-07	Matrix:	SOIL
Analytical Method:	8015D DRO	% Solid:	90.3 Decanted:
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1 mL
Soil Aliquot Vol:	uL	Test:	Diesel Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FG016257.D	1	07/08/25 08:35	07/08/25 21:23	PB168751

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
DRO	DRO	2080		187	1840	ug/kg
SURROGATES						
16416-32-3	Tetracosane-d50	8.92		37 - 130	45%	SPK: 20

Comments:

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

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/03/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-78	SDG No.:	Q2514
Lab Sample ID:	Q2514-08	Matrix:	SOIL
Analytical Method:	8015D DRO	% Solid:	86.3 Decanted:
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1 mL
Soil Aliquot Vol:	uL	Test:	Diesel Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FG016258.D	1	07/08/25 08:35	07/08/25 21:53	PB168751

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
DRO	DRO	3420		196	1930	ug/kg
SURROGATES						
16416-32-3	Tetracosane-d50	9.64		37 - 130	48%	SPK: 20

Comments:

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

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/03/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-81	SDG No.:	Q2514
Lab Sample ID:	Q2514-09	Matrix:	SOIL
Analytical Method:	8015D DRO	% Solid:	86.3 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1 mL
Soil Aliquot Vol:	uL	Test:	Diesel Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FG016259.D	1	07/08/25 08:35	07/08/25 22:23	PB168751

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
DRO	DRO	2790		196	1930	ug/kg
SURROGATES						
16416-32-3	Tetracosane-d50	9.18		37 - 130	46%	SPK: 20

Comments:

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

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/03/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-90	SDG No.:	Q2514
Lab Sample ID:	Q2514-10	Matrix:	SOIL
Analytical Method:	8015D DRO	% Solid:	91.6 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1 mL
Soil Aliquot Vol:	uL	Test:	Diesel Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FF016101.D	1	07/08/25 08:35	07/08/25 13:54	PB168751

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
DRO	DRO	18300		184	1820	ug/kg
SURROGATES						
16416-32-3	Tetracosane-d50	8.82		37 - 130	44%	SPK: 20

Comments:

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

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

QC SUMMARY

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SOIL DIESEL RANGE ORGANICS SURROGATE RECOVERY

Lab Name: Alliance Client: CDM Smith

Lab Code: ACE SDG No.: Q2514

CLIENT ID	S1 TETRACOSANE-d50	S2	S3	S4	TOT OUT
PIBLK-FF016097.D	81				0
PIBLK-FF016105.D	74				0
PIBLK-FF016113.D	76				0
PIBLK-FG016244.D	90				0
PIBLK-FG016252.D	93				0
PIBLK-FG016260.D	96				0
PIBLK-FG016282.D	92				0
PIBLK-FG016286.D	94				0
PB168751BL	79				0
PB168751BS	90				0
G4(6-12)MS	54				0
G4(6-12)MSD	54				0
TP-92	49				0
TP-93	44				0
TP-94	51				0
TP-96	44				0
TP-97	48				0
TP-103	39				0
TP-36	45				0
TP-78	48				0
TP-81	46				0
TP-90	44				0

	QC LIMITS
TETRACOSANE-d50	For Water : 29-130 For Soil : 37-130

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate Diluted Out

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SOIL DIESEL RANGE ORGANICS MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Alliance **Client:** CDM Smith

Lab Code: ACE **SDG No:** Q2514

Client Sample ID : G4(6-12)MS **Datafile:** FG016249.D

COMPOUND	SPIKE ADDED ug/kg	SAMPLE CONCENTRATION ug/kg	MS/MSD CONCENTRATION ug/kg	% REC	Qual	QC LIMITS(%)
DRO	9177	14500	18070	38%	*	68-131

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SOIL DIESEL RANGE ORGANICS MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Alliance **Client:** CDM Smith

Lab Code: ACE **SDG No:** Q2514

Client Sample ID : G4(6-12)MSD **Datafile:** FG016250.D

COMPOUND	SPIKE ADDED ug/kg	SAMPLE CONCENTRATION ug/kg	MS/MSD CONCENTRATION ug/kg	% REC	Qual	QC LIMITS(%)
DRO	9164	14500	18533	44%	*	68-131

MS/MSD % Recovery RPD : 2.7

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SOIL DIESEL RANGE ORGANICS LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RI

Lab Name: Alliance **Client:** CDM Smith

Lab Code: ACE **SDG No:** Q2514

Client Sample ID : PB168751BS **Datafile:** FG016285.D

COMPOUND	SPIKE ADDED ug/kg	CONCENTRATION ug/kg	LCS/LCSD CONCENTRATION ug/kg	% REC	QC LIMITS (%)
DRO	6660	0	5551	83	68-131

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4B

METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

PB168751BL

Lab Name: Alliance Contract: CAMP02

Lab Code: ACE SDG NO.: Q2514

Lab File ID: FG016247.D Lab Sample ID: PB168751BL

Instrument ID: FG Date Extracted: 07/08/2025

Matrix: (soil/water) Soil Date Analyzed: 07/08/25

Level: (low/med) low Time Analyzed: 15:24

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
TP-90	Q2514-10	FF016101.D	07/08/25
TP-93	Q2514-02	FF016107.D	07/08/25
TP-96	Q2514-04	FF016108.D	07/08/25
TP-103	Q2514-06	FF016109.D	07/08/25
G4(6-12)MS	Q2487-10MS	FG016249.D	07/08/25
G4(6-12)MSD	Q2487-10MSD	FG016250.D	07/08/25
TP-92	Q2514-01	FG016254.D	07/08/25
TP-94	Q2514-03	FG016255.D	07/08/25
TP-97	Q2514-05	FG016256.D	07/08/25
TP-36	Q2514-07	FG016257.D	07/08/25
TP-78	Q2514-08	FG016258.D	07/08/25
TP-81	Q2514-09	FG016259.D	07/08/25
PB168751BS	PB168751BS	FG016285.D	07/10/25

COMMENTS:

QC SAMPLE DATA

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB168751BL	SDG No.:	Q2514
Lab Sample ID:	PB168751BL	Matrix:	SOIL
Analytical Method:	8015D DRO	% Solid:	100 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1 mL
Soil Aliquot Vol:	uL	Test:	Diesel Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FG016247.D	1	07/08/25 08:35	07/08/25 15:24	PB168751

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
DRO	DRO	169	U	169	1670	ug/kg
SURROGATES						
16416-32-3	Tetracosane-d50	15.8		37 - 130	79%	SPK: 20

Comments:

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

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/08/25
Project:	South River WM Replacement	Date Received:	07/08/25
Client Sample ID:	PIBLK-FF016097.D	SDG No.:	Q2514
Lab Sample ID:	I.BLK-FF016097.D	Matrix:	Water
Analytical Method:	8015D DRO	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1 mL
Soil Aliquot Vol:	uL	Test:	Diesel Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :	SW3510		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FF016097.D	1		07/08/25	FF070825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
DRO	DRO	6.00	U	6.00	50.0	ug/L
SURROGATES						
16416-32-3	Tetracosane-d50	16.2		29 - 130	81%	SPK: 20

Comments:

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

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/08/25
Project:	South River WM Replacement	Date Received:	07/08/25
Client Sample ID:	PIBLK-FF016105.D	SDG No.:	Q2514
Lab Sample ID:	I.BLK-FF016105.D	Matrix:	Water
Analytical Method:	8015D DRO	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1 mL
Soil Aliquot Vol:	uL	Test:	Diesel Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :	SW3510		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FF016105.D	1		07/08/25	FF070825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
DRO	DRO	6.00	U	6.00	50.0	ug/L
SURROGATES						
16416-32-3	Tetracosane-d50	14.8		29 - 130	74%	SPK: 20

Comments:

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

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/08/25
Project:	South River WM Replacement	Date Received:	07/08/25
Client Sample ID:	PIBLK-FF016113.D	SDG No.:	Q2514
Lab Sample ID:	I.BLK-FF016113.D	Matrix:	Water
Analytical Method:	8015D DRO	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1 mL
Soil Aliquot Vol:	uL	Test:	Diesel Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :	SW3510		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FF016113.D	1		07/08/25	FF070825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
DRO	DRO	6.00	U	6.00	50.0	ug/L
SURROGATES						
16416-32-3	Tetracosane-d50	15.3		29 - 130	76%	SPK: 20

Comments:

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

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/08/25
Project:	South River WM Replacement	Date Received:	07/08/25
Client Sample ID:	PIBLK-FG016244.D	SDG No.:	Q2514
Lab Sample ID:	I.BLK-FG016244.D	Matrix:	Water
Analytical Method:	8015D DRO	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1 mL
Soil Aliquot Vol:	uL	Test:	Diesel Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :	SW3510		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FG016244.D	1		07/08/25	FG070825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
DRO	DRO	6.00	U	6.00	50.0	ug/L
SURROGATES						
16416-32-3	Tetracosane-d50	17.9		29 - 130	90%	SPK: 20

Comments:

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

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/08/25
Project:	South River WM Replacement	Date Received:	07/08/25
Client Sample ID:	PIBLK-FG016252.D	SDG No.:	Q2514
Lab Sample ID:	I.BLK-FG016252.D	Matrix:	Water
Analytical Method:	8015D DRO	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1 mL
Soil Aliquot Vol:	uL	Test:	Diesel Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :	SW3510		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FG016252.D	1		07/08/25	FG070825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
DRO	DRO	6.00	U	6.00	50.0	ug/L
SURROGATES						
16416-32-3	Tetracosane-d50	18.7		29 - 130	93%	SPK: 20

Comments:

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

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/08/25
Project:	South River WM Replacement	Date Received:	07/08/25
Client Sample ID:	PIBLK-FG016260.D	SDG No.:	Q2514
Lab Sample ID:	I.BLK-FG016260.D	Matrix:	Water
Analytical Method:	8015D DRO	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1 mL
Soil Aliquot Vol:	uL	Test:	Diesel Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :	SW3510		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FG016260.D	1		07/08/25	FG070825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
DRO	DRO	6.00	U	6.00	50.0	ug/L
SURROGATES						
16416-32-3	Tetracosane-d50	19.2		29 - 130	96%	SPK: 20

Comments:

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

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/10/25
Project:	South River WM Replacement	Date Received:	07/10/25
Client Sample ID:	PIBLK-FG016282.D	SDG No.:	Q2514
Lab Sample ID:	I.BLK-FG016282.D	Matrix:	Water
Analytical Method:	8015D DRO	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1 mL
Soil Aliquot Vol:	uL	Test:	Diesel Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :	SW3510		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FG016282.D	1		07/10/25	FG071025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
DRO	DRO	6.00	U	6.00	50.0	ug/L
SURROGATES						
16416-32-3	Tetracosane-d50	18.4		29 - 130	92%	SPK: 20

Comments:

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

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/10/25
Project:	South River WM Replacement	Date Received:	07/10/25
Client Sample ID:	PIBLK-FG016286.D	SDG No.:	Q2514
Lab Sample ID:	I.BLK-FG016286.D	Matrix:	Water
Analytical Method:	8015D DRO	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1 mL
Soil Aliquot Vol:	uL	Test:	Diesel Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :	SW3510		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FG016286.D	1		07/10/25	FG071025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
DRO	DRO	6.00	U	6.00	50.0	ug/L
SURROGATES						
16416-32-3	Tetracosane-d50	18.8		29 - 130	94%	SPK: 20

Comments:

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

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB168751BS	SDG No.:	Q2514
Lab Sample ID:	PB168751BS	Matrix:	SOIL
Analytical Method:	8015D DRO	% Solid:	100 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1 mL
Soil Aliquot Vol:	uL	Test:	Diesel Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FG016285.D	1	07/08/25 08:35	07/10/25 21:11	PB168751

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
DRO	DRO	5550		169	1670	ug/kg
SURROGATES						
16416-32-3	Tetracosane-d50	17.9		37 - 130	90%	SPK: 20

Comments:

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

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/01/25
Project:	South River WM Replacement	Date Received:	07/01/25
Client Sample ID:	G4(6-12)MS	SDG No.:	Q2514
Lab Sample ID:	Q2487-10MS	Matrix:	SOIL
Analytical Method:	8015D DRO	% Solid:	72.6 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1 mL
Soil Aliquot Vol:	uL	Test:	Diesel Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FG016249.D	1	07/08/25 08:35	07/08/25 16:54	PB168751

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
DRO	DRO	18100		233	2290	ug/kg
SURROGATES						
16416-32-3	Tetracosane-d50	10.8		37 - 130	54%	SPK: 20

Comments:

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

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/01/25
Project:	South River WM Replacement	Date Received:	07/01/25
Client Sample ID:	G4(6-12)MSD	SDG No.:	Q2514
Lab Sample ID:	Q2487-10MSD	Matrix:	SOIL
Analytical Method:	8015D DRO	% Solid:	72.6 Decanted:
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1 mL
Soil Aliquot Vol:	uL	Test:	Diesel Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FG016250.D	1	07/08/25 08:35	07/08/25 17:24	PB168751

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
DRO	DRO	18500		232	2290	ug/kg
SURROGATES						
16416-32-3	Tetracosane-d50	10.8		37 - 130	54%	SPK: 20

Comments:

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

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

CALIBRATION SUMMARY

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DIESEL RANGE ORGANICS INITIAL CALIBRATION SUMMARY

Lab Name: Alliance
Contract: CAMP02
ProjectID: South River WM Replacement
Lab Code: ACE
SDG No.: Q2514

Calibration Sequence : FF061325		Test : Diesel Range Organics	
Concentration (PPM)	**Area Count**	**Reference Factor**	**File ID**
1000	128762116	128762	FF015964.D
500	64295722	128591	FF015965.D
200	27169561	135848	FF015966.D
100	13526499	135265	FF015967.D
50	7306219	146124	FF015968.D
AVG RF : 134918	**% RSD : 5.299**		**AVG RT : 15.0944**

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DIESEL RANGE ORGANICS INITIAL CALIBRATION SUMMARY

Lab Name: Alliance
Contract: CAMP02
ProjectID: South River WM Replacement
Lab Code: ACE
SDG No.: Q2514

Calibration Sequence : FG061325		Test : Diesel Range Organics	
Concentration (PPM)	**Area Count**	**Reference Factor**	**File ID**
1000	121978597	121979	FG016063.D
500	61365081	122730	FG016064.D
200	26234834	131174	FG016065.D
100	13396741	133967	FG016066.D
50	7145066	142901	FG016067.D

AVG RF : 130550 **% RSD : 6.625** **AVG RT : 15.1972**

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DIESEL RANGE ORGANICS INITIAL CALIBRATION SUMMARY

Lab Name: Alliance
Contract: CAMP02
ProjectID: South River WM Replacement
Lab Code: ACE
SDG No.: Q2514

Calibration Sequence : FG070925		Test : Diesel Range Organics	
Concentration (PPM)	**Area Count**	**Reference Factor**	**File ID**
1000	107457449	107457	FG016264.D
500	53927299	107855	FG016265.D
200	23004292	115021	FG016266.D
100	12319443	123194	FG016267.D
50	6076250	121525	FG016268.D
AVG RF : 115010	**% RSD : 6.414**		**AVG RT : 15.201**

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DIESEL RANGE ORGANICS CONTINUING CALIBRATION SUMMARY

50 PPM TRPH STD

Lab Name: Alliane Contract: CAMP02

ProjectID: South River WM Replacement

Lab Code: ACE SDG No.: Q2514

DataFile: FF016098.D Analyst Name: YP\AJ Analyst Date: 07-08-2025

Conc. (PPM)	Area Count	RF	Average RF	%D
500	70748965	141498	134918	4.877

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DIESEL RANGE ORGANICS CONTINUING CALIBRATION SUMMARY

50 PPM TRPH STD

Lab Name: Alliane Contract: CAMP02

ProjectID: South River WM Replacement

Lab Code: ACE SDG No.: Q2514

DataFile: FF016106.D Analyst Name: YP\AJ Analyst Date: 07-08-2025

Conc. (PPM)	Area Count	RF	Average RF	%D
500	65780168	131560	134918	2.489

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DIESEL RANGE ORGANICS CONTINUING CALIBRATION SUMMARY

50 PPM TRPH STD

Lab Name: Alliane Contract: CAMP02

ProjectID: South River WM Replacement

Lab Code: ACE SDG No.: Q2514

DataFile: FF016114.D Analyst Name: YP\AJ Analyst Date: 07-08-2025

Conc. (PPM)	Area Count	RF	Average RF	%D
500	65515978	131032	134918	2.88

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DIESEL RANGE ORGANICS CONTINUING CALIBRATION SUMMARY

50 PPM TRPH STD

Lab Name: Alliane Contract: CAMP02

ProjectID: South River WM Replacement

Lab Code: ACE SDG No.: Q2514

DataFile: FG016245.D Analyst Name: YP\AJ Analyst Date: 07-08-2025

Conc. (PPM)	Area Count	RF	Average RF	%D
500	61154300	122309	130550	6.313

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DIESEL RANGE ORGANICS CONTINUING CALIBRATION SUMMARY

50 PPM TRPH STD

Lab Name: Alliane Contract: CAMP02

ProjectID: South River WM Replacement

Lab Code: ACE SDG No.: Q2514

DataFile: FG016253.D Analyst Name: YP\AJ Analyst Date: 07-08-2025

Conc. (PPM)	Area Count	RF	Average RF	%D
500	61989135	123978	130550	5.034

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DIESEL RANGE ORGANICS CONTINUING CALIBRATION SUMMARY

50 PPM TRPH STD

Lab Name: Alliane Contract: CAMP02

ProjectID: South River WM Replacement

Lab Code: ACE SDG No.: Q2514

DataFile: FG016261.D Analyst Name: YP\AJ Analyst Date: 07-08-2025

Conc. (PPM)	Area Count	RF	Average RF	%D
500	62931063	125862	130550	3.591

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DIESEL RANGE ORGANICS CONTINUING CALIBRATION SUMMARY

50 PPM TRPH STD

Lab Name: Alliane Contract: CAMP02

ProjectID: South River WM Replacement

Lab Code: ACE SDG No.: Q2514

DataFile: FG016283.D Analyst Name: YP\AJ Analyst Date: 07-10-2025

Conc. (PPM)	Area Count	RF	Average RF	%D
500	61634631	123269	115010	7.181

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DIESEL RANGE ORGANICS CONTINUING CALIBRATION SUMMARY

50 PPM TRPH STD

Lab Name: Alliane Contract: CAMP02

ProjectID: South River WM Replacement

Lab Code: ACE SDG No.: Q2514

DataFile: FG016287.D Analyst Name: YP\AJ Analyst Date: 07-10-2025

Conc. (PPM)	Area Count	RF	Average RF	%D
500	62962280	125925	115010	9.49

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Analytical Sequence

Client: CDM Smith **SDG No.:** Q2514

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

GC Column: RXI-1MS **ID:** 0.18 **(mm)**

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

MEAN SUROGATE RT FROM INITIAL CALIBRATION **15.0944**

CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE AND TIME ANALYZED	DATAFILE	RT	#
PIBLK01	I.BLK01	08 Jul 2025 10:54	FF016097.D	15.094	
50 PPM TRPH STD	50 PPM TRPH STD	08 Jul 2025 11:55	FF016098.D	15.098	
TP-90	Q2514-10	08 Jul 2025 13:54	FF016101.D	15.098	
PIBLK02	I.BLK02	08 Jul 2025 15:54	FF016105.D	15.104	
50 PPM TRPH STD	50 PPM TRPH STD	08 Jul 2025 16:54	FF016106.D	15.106	
TP-93	Q2514-02	08 Jul 2025 17:54	FF016107.D	15.102	
TP-96	Q2514-04	08 Jul 2025 18:24	FF016108.D	15.104	
TP-103	Q2514-06	08 Jul 2025 18:54	FF016109.D	15.101	
PIBLK03	I.BLK03	08 Jul 2025 20:54	FF016113.D	15.107	
50 PPM TRPH STD	50 PPM TRPH STD	08 Jul 2025 21:53	FF016114.D	15.109	
PIBLK04	I.BLK04	08 Jul 2025 13:54	FG016244.D	15.203	
50 PPM TRPH STD	50 PPM TRPH STD	08 Jul 2025 14:24	FG016245.D	15.205	
PB168751BL	PB168751BL	08 Jul 2025 15:24	FG016247.D	15.201	
G4(6-12)MS	Q2487-10MS	08 Jul 2025 16:54	FG016249.D	15.201	
G4(6-12)MSD	Q2487-10MSD	08 Jul 2025 17:24	FG016250.D	15.202	
PIBLK05	I.BLK05	08 Jul 2025 18:24	FG016252.D	15.201	
50 PPM TRPH STD	50 PPM TRPH STD	08 Jul 2025 18:54	FG016253.D	15.205	
TP-92	Q2514-01	08 Jul 2025 19:54	FG016254.D	15.201	
TP-94	Q2514-03	08 Jul 2025 20:23	FG016255.D	15.200	
TP-97	Q2514-05	08 Jul 2025 20:54	FG016256.D	15.200	
TP-36	Q2514-07	08 Jul 2025 21:23	FG016257.D	15.200	
TP-78	Q2514-08	08 Jul 2025 21:53	FG016258.D	15.199	
TP-81	Q2514-09	08 Jul 2025 22:23	FG016259.D	15.198	
PIBLK06	I.BLK06	08 Jul 2025 22:52	FG016260.D	15.200	
50 PPM TRPH STD	50 PPM TRPH STD	08 Jul 2025 23:52	FG016261.D	15.202	
PIBLK07	I.BLK07	10 Jul 2025 19:11	FG016282.D	15.206	
50 PPM TRPH STD	50 PPM TRPH STD	10 Jul 2025 19:41	FG016283.D	15.209	
PB168751BS	PB168751BS	10 Jul 2025 21:11	FG016285.D	15.204	
PIBLK08	I.BLK08	10 Jul 2025 21:41	FG016286.D	15.205	
50 PPM TRPH STD	50 PPM TRPH STD	10 Jul 2025 22:10	FG016287.D	15.208	

Column used to flag RT values with an * values outside of QC limits

QC Limits	Lower Limit	Upper Limits
(± 0.10 minutes)	15.101	15.301

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LAB CHRONICLE

OrderID:	Q2514	**OrderDate:**	7/3/2025 1:29:00 PM
Client:	CDM Smith	**Project:**	South River WM Replacement
Contact:	Marcie Ann Encinas	**Location:**	O21,O22,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2514-01	**TP-92**	**SOIL**			**07/02/25**			**07/03/25**
			Mercury	7471B		07/15/25	07/16/25	
			Metals ICP-TAL	6010D		07/07/25	07/09/25	
Q2514-02	**TP-93**	**SOIL**			**07/02/25**			**07/03/25**
			Mercury	7471B		07/15/25	07/16/25	
			Metals ICP-TAL	6010D		07/07/25	07/09/25	
Q2514-03	**TP-94**	**SOIL**			**07/02/25**			**07/03/25**
			Mercury	7471B		07/15/25	07/16/25	
			Metals ICP-TAL	6010D		07/07/25	07/09/25	
Q2514-04	**TP-96**	**SOIL**			**07/02/25**			**07/03/25**
			Mercury	7471B		07/15/25	07/16/25	
			Metals ICP-TAL	6010D		07/07/25	07/09/25	
Q2514-05	**TP-97**	**SOIL**			**07/02/25**			**07/03/25**
			Mercury	7471B		07/15/25	07/16/25	
			Metals ICP-TAL	6010D		07/07/25	07/09/25	
Q2514-06	**TP-103**	**SOIL**			**07/02/25**			**07/03/25**
			Mercury	7471B		07/15/25	07/16/25	
			Metals ICP-TAL	6010D		07/07/25	07/09/25	
Q2514-07	**TP-36**	**SOIL**			**07/03/25**			**07/03/25**
			Mercury	7471B		07/15/25	07/16/25	
			Metals ICP-TAL	6010D		07/07/25	07/09/25	
Q2514-08	**TP-78**	**SOIL**			**07/03/25**			**07/03/25**
			Mercury	7471B		07/15/25	07/16/25	
			Metals ICP-TAL	6010D		07/07/25	07/09/25	
Q2514-09	**TP-81**	**SOIL**			**07/03/25**			**07/03/25**

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LAB CHRONICLE

			Mercury	7471B		07/15/25	07/16/25
			Metals ICP-TAL	6010D		07/07/25	07/09/25
Q2514-10	**TP-90**	**SOIL**			**07/03/25**		**07/03/25**
			Mercury	7471B		07/15/25	07/16/25
			Metals ICP-TAL	6010D		07/07/25	07/09/25

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Hit Summary Sheet
SW-846

SDG No.: Q2514 **Order ID:** Q2514

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

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : TP-92								
Q2514-01	TP-92	SOIL	Aluminum	8400		0.84	5.00	mg/Kg
Q2514-01	TP-92	SOIL	Antimony	1.32	J	0.22	2.50	mg/Kg
Q2514-01	TP-92	SOIL	Arsenic	6.73		0.19	1.00	mg/Kg
Q2514-01	TP-92	SOIL	Barium	53.0		0.73	5.00	mg/Kg
Q2514-01	TP-92	SOIL	Beryllium	0.79		0.025	0.30	mg/Kg
Q2514-01	TP-92	SOIL	Calcium	180		11.1	99.9	mg/Kg
Q2514-01	TP-92	SOIL	Chromium	11.4		0.047	0.50	mg/Kg
Q2514-01	TP-92	SOIL	Cobalt	2.27		0.10	1.50	mg/Kg
Q2514-01	TP-92	SOIL	Copper	1.26		0.22	1.00	mg/Kg
Q2514-01	TP-92	SOIL	Iron	23500		3.99	5.00	mg/Kg
Q2514-01	TP-92	SOIL	Lead	11.9		0.13	0.60	mg/Kg
Q2514-01	TP-92	SOIL	Magnesium	353		12.0	99.9	mg/Kg
Q2514-01	TP-92	SOIL	Manganese	38.3		0.14	1.00	mg/Kg
Q2514-01	TP-92	SOIL	Mercury	0.021		0.0080	0.014	mg/Kg
Q2514-01	TP-92	SOIL	Nickel	4.82		0.13	2.00	mg/Kg
Q2514-01	TP-92	SOIL	Potassium	409		27.7	99.9	mg/Kg
Q2514-01	TP-92	SOIL	Selenium	6.28		0.26	1.00	mg/Kg
Q2514-01	TP-92	SOIL	Silver	0.19	J	0.12	0.50	mg/Kg
Q2514-01	TP-92	SOIL	Sodium	364		17.8	99.9	mg/Kg
Q2514-01	TP-92	SOIL	Vanadium	22.9		0.25	2.00	mg/Kg
Q2514-01	TP-92	SOIL	Zinc	21.7		0.11	2.00	mg/Kg
Client ID : TP-93								
Q2514-02	TP-93	SOIL	Aluminum	7940		0.84	5.02	mg/Kg
Q2514-02	TP-93	SOIL	Antimony	1.62	J	0.22	2.51	mg/Kg
Q2514-02	TP-93	SOIL	Arsenic	10.3		0.19	1.00	mg/Kg
Q2514-02	TP-93	SOIL	Barium	17.1		0.73	5.02	mg/Kg
Q2514-02	TP-93	SOIL	Beryllium	0.82		0.025	0.30	mg/Kg
Q2514-02	TP-93	SOIL	Calcium	383		11.2	100	mg/Kg
Q2514-02	TP-93	SOIL	Chromium	22.5		0.047	0.50	mg/Kg
Q2514-02	TP-93	SOIL	Cobalt	2.51		0.10	1.51	mg/Kg
Q2514-02	TP-93	SOIL	Copper	4.12		0.22	1.00	mg/Kg
Q2514-02	TP-93	SOIL	Iron	25400		4.01	5.02	mg/Kg
Q2514-02	TP-93	SOIL	Lead	11.0		0.13	0.60	mg/Kg
Q2514-02	TP-93	SOIL	Magnesium	388		12.1	100	mg/Kg
Q2514-02	TP-93	SOIL	Manganese	44.0		0.14	1.00	mg/Kg
Q2514-02	TP-93	SOIL	Mercury	0.022		0.0080	0.014	mg/Kg
Q2514-02	TP-93	SOIL	Nickel	5.06		0.13	2.01	mg/Kg

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Hit Summary Sheet
SW-846

SDG No.: Q2514 **Order ID:** Q2514

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

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q2514-02	TP-93	SOIL	Potassium	337		27.8	100	mg/Kg
Q2514-02	TP-93	SOIL	Selenium	6.69		0.26	1.00	mg/Kg
Q2514-02	TP-93	SOIL	Silver	0.17	J	0.12	0.50	mg/Kg
Q2514-02	TP-93	SOIL	Sodium	707		17.9	100	mg/Kg
Q2514-02	TP-93	SOIL	Vanadium	40.1		0.25	2.01	mg/Kg
Q2514-02	TP-93	SOIL	Zinc	16.5		0.11	2.01	mg/Kg
Client ID : TP-94								
Q2514-03	TP-94	SOIL	Aluminum	9340		0.81	4.79	mg/Kg
Q2514-03	TP-94	SOIL	Antimony	1.43	J	0.21	2.39	mg/Kg
Q2514-03	TP-94	SOIL	Arsenic	9.25		0.18	0.96	mg/Kg
Q2514-03	TP-94	SOIL	Barium	22.9		0.70	4.79	mg/Kg
Q2514-03	TP-94	SOIL	Beryllium	0.80		0.024	0.29	mg/Kg
Q2514-03	TP-94	SOIL	Calcium	120		10.6	95.8	mg/Kg
Q2514-03	TP-94	SOIL	Chromium	17.2		0.045	0.48	mg/Kg
Q2514-03	TP-94	SOIL	Cobalt	3.41		0.096	1.44	mg/Kg
Q2514-03	TP-94	SOIL	Copper	4.08		0.21	0.96	mg/Kg
Q2514-03	TP-94	SOIL	Iron	23700		3.82	4.79	mg/Kg
Q2514-03	TP-94	SOIL	Lead	15.5		0.13	0.57	mg/Kg
Q2514-03	TP-94	SOIL	Magnesium	686		11.5	95.8	mg/Kg
Q2514-03	TP-94	SOIL	Manganese	51.5		0.13	0.96	mg/Kg
Q2514-03	TP-94	SOIL	Mercury	0.036		0.0080	0.014	mg/Kg
Q2514-03	TP-94	SOIL	Nickel	6.62		0.13	1.92	mg/Kg
Q2514-03	TP-94	SOIL	Potassium	373		26.5	95.8	mg/Kg
Q2514-03	TP-94	SOIL	Selenium	6.45		0.25	0.96	mg/Kg
Q2514-03	TP-94	SOIL	Sodium	245		17.1	95.8	mg/Kg
Q2514-03	TP-94	SOIL	Vanadium	35.4		0.24	1.92	mg/Kg
Q2514-03	TP-94	SOIL	Zinc	19.0		0.11	1.92	mg/Kg
Client ID : TP-96								
Q2514-04	TP-96	SOIL	Aluminum	11000		0.83	4.94	mg/Kg
Q2514-04	TP-96	SOIL	Antimony	1.54	J	0.22	2.47	mg/Kg
Q2514-04	TP-96	SOIL	Arsenic	10.5		0.19	0.99	mg/Kg
Q2514-04	TP-96	SOIL	Barium	23.6		0.72	4.94	mg/Kg
Q2514-04	TP-96	SOIL	Beryllium	0.86		0.025	0.30	mg/Kg
Q2514-04	TP-96	SOIL	Calcium	261		11.0	98.8	mg/Kg
Q2514-04	TP-96	SOIL	Chromium	20.3		0.046	0.49	mg/Kg
Q2514-04	TP-96	SOIL	Cobalt	2.91		0.099	1.48	mg/Kg
Q2514-04	TP-96	SOIL	Copper	3.65		0.22	0.99	mg/Kg
Q2514-04	TP-96	SOIL	Iron	24200		3.94	4.94	mg/Kg
Q2514-04	TP-96	SOIL	Lead	16.6		0.13	0.59	mg/Kg

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Hit Summary Sheet
SW-846

SDG No.: Q2514 **Order ID:** Q2514

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

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q2514-04	TP-96	SOIL	Magnesium	592		11.9	98.8	mg/Kg
Q2514-04	TP-96	SOIL	Manganese	55.6		0.14	0.99	mg/Kg
Q2514-04	TP-96	SOIL	Mercury	0.046		0.0080	0.015	mg/Kg
Q2514-04	TP-96	SOIL	Nickel	6.27		0.13	1.98	mg/Kg
Q2514-04	TP-96	SOIL	Potassium	423		27.4	98.8	mg/Kg
Q2514-04	TP-96	SOIL	Selenium	6.74		0.26	0.99	mg/Kg
Q2514-04	TP-96	SOIL	Sodium	225		17.6	98.8	mg/Kg
Q2514-04	TP-96	SOIL	Vanadium	36.8		0.25	1.98	mg/Kg
Q2514-04	TP-96	SOIL	Zinc	19.3		0.11	1.98	mg/Kg
Client ID :	**TP-97**							
Q2514-05	TP-97	SOIL	Aluminum	10500		0.81	4.80	mg/Kg
Q2514-05	TP-97	SOIL	Antimony	1.32	J	0.21	2.40	mg/Kg
Q2514-05	TP-97	SOIL	Arsenic	8.80		0.18	0.96	mg/Kg
Q2514-05	TP-97	SOIL	Barium	28.6		0.70	4.80	mg/Kg
Q2514-05	TP-97	SOIL	Beryllium	0.79		0.024	0.29	mg/Kg
Q2514-05	TP-97	SOIL	Calcium	240		10.7	96.0	mg/Kg
Q2514-05	TP-97	SOIL	Chromium	16.0		0.045	0.48	mg/Kg
Q2514-05	TP-97	SOIL	Cobalt	3.42		0.096	1.44	mg/Kg
Q2514-05	TP-97	SOIL	Copper	4.46		0.21	0.96	mg/Kg
Q2514-05	TP-97	SOIL	Iron	22200		3.83	4.80	mg/Kg
Q2514-05	TP-97	SOIL	Lead	14.1		0.13	0.58	mg/Kg
Q2514-05	TP-97	SOIL	Magnesium	706		11.5	96.0	mg/Kg
Q2514-05	TP-97	SOIL	Manganese	46.7		0.13	0.96	mg/Kg
Q2514-05	TP-97	SOIL	Mercury	0.029		0.0080	0.015	mg/Kg
Q2514-05	TP-97	SOIL	Nickel	6.81		0.13	1.92	mg/Kg
Q2514-05	TP-97	SOIL	Potassium	406		26.6	96.0	mg/Kg
Q2514-05	TP-97	SOIL	Selenium	6.10		0.25	0.96	mg/Kg
Q2514-05	TP-97	SOIL	Silver	0.12	J	0.12	0.48	mg/Kg
Q2514-05	TP-97	SOIL	Sodium	595		17.1	96.0	mg/Kg
Q2514-05	TP-97	SOIL	Vanadium	35.3		0.24	1.92	mg/Kg
Q2514-05	TP-97	SOIL	Zinc	18.0		0.11	1.92	mg/Kg
Client ID :	**TP-103**							
Q2514-06	TP-103	SOIL	Aluminum	10200		0.89	5.30	mg/Kg
Q2514-06	TP-103	SOIL	Antimony	1.40	J	0.23	2.65	mg/Kg
Q2514-06	TP-103	SOIL	Arsenic	10.0		0.20	1.06	mg/Kg
Q2514-06	TP-103	SOIL	Barium	23.9		0.77	5.30	mg/Kg
Q2514-06	TP-103	SOIL	Beryllium	0.91		0.027	0.32	mg/Kg
Q2514-06	TP-103	SOIL	Cadmium	0.029	J	0.025	0.32	mg/Kg
Q2514-06	TP-103	SOIL	Calcium	531		11.8	106	mg/Kg

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Hit Summary Sheet
SW-846

SDG No.: Q2514 **Order ID:** Q2514

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

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q2514-06	TP-103	SOIL	Chromium	21.8		0.050	0.53	mg/Kg
Q2514-06	TP-103	SOIL	Cobalt	3.97		0.11	1.59	mg/Kg
Q2514-06	TP-103	SOIL	Copper	3.51		0.23	1.06	mg/Kg
Q2514-06	TP-103	SOIL	Iron	26100		4.23	5.30	mg/Kg
Q2514-06	TP-103	SOIL	Lead	11.9		0.14	0.64	mg/Kg
Q2514-06	TP-103	SOIL	Magnesium	568		12.7	106	mg/Kg
Q2514-06	TP-103	SOIL	Manganese	61.9		0.15	1.06	mg/Kg
Q2514-06	TP-103	SOIL	Mercury	0.070		0.0080	0.014	mg/Kg
Q2514-06	TP-103	SOIL	Nickel	6.65		0.14	2.12	mg/Kg
Q2514-06	TP-103	SOIL	Potassium	282		29.4	106	mg/Kg
Q2514-06	TP-103	SOIL	Selenium	6.81		0.28	1.06	mg/Kg
Q2514-06	TP-103	SOIL	Sodium	288		18.9	106	mg/Kg
Q2514-06	TP-103	SOIL	Vanadium	38.3		0.27	2.12	mg/Kg
Q2514-06	TP-103	SOIL	Zinc	18.3		0.12	2.12	mg/Kg
Client ID :	**TP-36**							
Q2514-07	TP-36	SOIL	Aluminum	8840		0.79	4.67	mg/Kg
Q2514-07	TP-36	SOIL	Antimony	1.28	J	0.21	2.34	mg/Kg
Q2514-07	TP-36	SOIL	Arsenic	6.18		0.18	0.94	mg/Kg
Q2514-07	TP-36	SOIL	Barium	9.64		0.68	4.67	mg/Kg
Q2514-07	TP-36	SOIL	Beryllium	0.88		0.023	0.28	mg/Kg
Q2514-07	TP-36	SOIL	Cadmium	0.052	J	0.022	0.28	mg/Kg
Q2514-07	TP-36	SOIL	Calcium	477		10.4	93.5	mg/Kg
Q2514-07	TP-36	SOIL	Chromium	16.1		0.044	0.47	mg/Kg
Q2514-07	TP-36	SOIL	Cobalt	1.87		0.093	1.40	mg/Kg
Q2514-07	TP-36	SOIL	Copper	0.79	J	0.21	0.94	mg/Kg
Q2514-07	TP-36	SOIL	Iron	20600		3.73	4.67	mg/Kg
Q2514-07	TP-36	SOIL	Lead	44.9		0.12	0.56	mg/Kg
Q2514-07	TP-36	SOIL	Magnesium	378		11.2	93.5	mg/Kg
Q2514-07	TP-36	SOIL	Manganese	14.6		0.13	0.94	mg/Kg
Q2514-07	TP-36	SOIL	Mercury	0.019		0.0080	0.015	mg/Kg
Q2514-07	TP-36	SOIL	Nickel	5.00		0.12	1.87	mg/Kg
Q2514-07	TP-36	SOIL	Potassium	980		25.9	93.5	mg/Kg
Q2514-07	TP-36	SOIL	Selenium	5.42		0.24	0.94	mg/Kg
Q2514-07	TP-36	SOIL	Sodium	249		16.6	93.5	mg/Kg
Q2514-07	TP-36	SOIL	Vanadium	40.8		0.23	1.87	mg/Kg
Q2514-07	TP-36	SOIL	Zinc	16.7		0.10	1.87	mg/Kg
Client ID :	**TP-78**							
Q2514-08	TP-78	SOIL	Aluminum	6500		0.80	4.79	mg/Kg
Q2514-08	TP-78	SOIL	Antimony	1.41	J	0.21	2.39	mg/Kg

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Hit Summary Sheet
SW-846

SDG No.: Q2514 **Order ID:** Q2514

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

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q2514-08	TP-78	SOIL	Arsenic	8.20		0.18	0.96	mg/Kg
Q2514-08	TP-78	SOIL	Barium	14.0		0.70	4.79	mg/Kg
Q2514-08	TP-78	SOIL	Beryllium	0.67		0.024	0.29	mg/Kg
Q2514-08	TP-78	SOIL	Calcium	137		10.6	95.8	mg/Kg
Q2514-08	TP-78	SOIL	Chromium	16.6		0.045	0.48	mg/Kg
Q2514-08	TP-78	SOIL	Cobalt	1.74		0.096	1.44	mg/Kg
Q2514-08	TP-78	SOIL	Copper	2.21		0.21	0.96	mg/Kg
Q2514-08	TP-78	SOIL	Iron	24500		3.82	4.79	mg/Kg
Q2514-08	TP-78	SOIL	Lead	8.24		0.12	0.57	mg/Kg
Q2514-08	TP-78	SOIL	Magnesium	489		11.5	95.8	mg/Kg
Q2514-08	TP-78	SOIL	Manganese	37.9		0.13	0.96	mg/Kg
Q2514-08	TP-78	SOIL	Mercury	0.030		0.0080	0.015	mg/Kg
Q2514-08	TP-78	SOIL	Nickel	4.32		0.12	1.92	mg/Kg
Q2514-08	TP-78	SOIL	Potassium	640		26.5	95.8	mg/Kg
Q2514-08	TP-78	SOIL	Selenium	6.57		0.25	0.96	mg/Kg
Q2514-08	TP-78	SOIL	Silver	0.12	J	0.12	0.48	mg/Kg
Q2514-08	TP-78	SOIL	Sodium	154		17.0	95.8	mg/Kg
Q2514-08	TP-78	SOIL	Vanadium	41.8		0.24	1.92	mg/Kg
Q2514-08	TP-78	SOIL	Zinc	15.7		0.11	1.92	mg/Kg
Client ID :	**TP-81**							
Q2514-09	TP-81	SOIL	Aluminum	7770		0.90	5.34	mg/Kg
Q2514-09	TP-81	SOIL	Antimony	1.06	J	0.24	2.67	mg/Kg
Q2514-09	TP-81	SOIL	Arsenic	7.35		0.20	1.07	mg/Kg
Q2514-09	TP-81	SOIL	Barium	30.4		0.78	5.34	mg/Kg
Q2514-09	TP-81	SOIL	Beryllium	0.70		0.027	0.32	mg/Kg
Q2514-09	TP-81	SOIL	Cadmium	0.044	J	0.026	0.32	mg/Kg
Q2514-09	TP-81	SOIL	Calcium	579		11.9	107	mg/Kg
Q2514-09	TP-81	SOIL	Chromium	14.9		0.050	0.53	mg/Kg
Q2514-09	TP-81	SOIL	Cobalt	4.09		0.11	1.60	mg/Kg
Q2514-09	TP-81	SOIL	Copper	2.79		0.24	1.07	mg/Kg
Q2514-09	TP-81	SOIL	Iron	18000		4.26	5.34	mg/Kg
Q2514-09	TP-81	SOIL	Lead	11.4		0.14	0.64	mg/Kg
Q2514-09	TP-81	SOIL	Magnesium	649		12.8	107	mg/Kg
Q2514-09	TP-81	SOIL	Manganese	74.2		0.15	1.07	mg/Kg
Q2514-09	TP-81	SOIL	Mercury	0.035		0.0090	0.016	mg/Kg
Q2514-09	TP-81	SOIL	Nickel	6.57		0.14	2.14	mg/Kg
Q2514-09	TP-81	SOIL	Potassium	315		29.6	107	mg/Kg
Q2514-09	TP-81	SOIL	Selenium	5.01		0.28	1.07	mg/Kg
Q2514-09	TP-81	SOIL	Silver	0.20	J	0.13	0.53	mg/Kg
Q2514-09	TP-81	SOIL	Sodium	137		19.0	107	mg/Kg

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Hit Summary Sheet
SW-846

SDG No.: Q2514 **Order ID:** Q2514

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

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q2514-09	TP-81	SOIL	Vanadium	27.2		0.27	2.14	mg/Kg
Q2514-09	TP-81	SOIL	Zinc	17.1		0.12	2.14	mg/Kg
Client ID : TP-90								
Q2514-10	TP-90	SOIL	Aluminum	4530		0.83	4.94	mg/Kg
Q2514-10	TP-90	SOIL	Antimony	1.58	J	0.22	2.47	mg/Kg
Q2514-10	TP-90	SOIL	Arsenic	2.83		0.19	0.99	mg/Kg
Q2514-10	TP-90	SOIL	Barium	9.66		0.72	4.94	mg/Kg
Q2514-10	TP-90	SOIL	Beryllium	0.28	J	0.025	0.30	mg/Kg
Q2514-10	TP-90	SOIL	Calcium	2560		11.0	98.8	mg/Kg
Q2514-10	TP-90	SOIL	Chromium	7.24		0.046	0.49	mg/Kg
Q2514-10	TP-90	SOIL	Cobalt	7.80		0.099	1.48	mg/Kg
Q2514-10	TP-90	SOIL	Copper	37.9		0.22	0.99	mg/Kg
Q2514-10	TP-90	SOIL	Iron	12900		3.94	4.94	mg/Kg
Q2514-10	TP-90	SOIL	Lead	5.60		0.13	0.59	mg/Kg
Q2514-10	TP-90	SOIL	Magnesium	3870		11.9	98.8	mg/Kg
Q2514-10	TP-90	SOIL	Manganese	108		0.14	0.99	mg/Kg
Q2514-10	TP-90	SOIL	Mercury	0.021		0.0080	0.014	mg/Kg
Q2514-10	TP-90	SOIL	Nickel	16.4		0.13	1.98	mg/Kg
Q2514-10	TP-90	SOIL	Potassium	155		27.4	98.8	mg/Kg
Q2514-10	TP-90	SOIL	Selenium	2.86		0.26	0.99	mg/Kg
Q2514-10	TP-90	SOIL	Silver	0.20	J	0.12	0.49	mg/Kg
Q2514-10	TP-90	SOIL	Sodium	682		17.6	98.8	mg/Kg
Q2514-10	TP-90	SOIL	Vanadium	24.8		0.25	1.98	mg/Kg
Q2514-10	TP-90	SOIL	Zinc	15.5		0.11	1.98	mg/Kg

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:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-92	SDG No.:	Q2514
Lab Sample ID:	Q2514-01	Matrix:	SOIL
Level (low/med):	low	% Solid:	87.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	8400		1	0.84	5.00	mg/Kg	07/07/25 10:05	07/09/25 19:34	6010D	SW3050
7440-36-0	Antimony	1.32	JN	1	0.22	2.50	mg/Kg	07/07/25 10:05	07/09/25 19:34	6010D	SW3050
7440-38-2	Arsenic	6.73		1	0.19	1.00	mg/Kg	07/07/25 10:05	07/09/25 19:34	6010D	SW3050
7440-39-3	Barium	53.0		1	0.73	5.00	mg/Kg	07/07/25 10:05	07/09/25 19:34	6010D	SW3050
7440-41-7	Beryllium	0.79	N	1	0.025	0.30	mg/Kg	07/07/25 10:05	07/09/25 19:34	6010D	SW3050
7440-43-9	Cadmium	0.024	U	1	0.024	0.30	mg/Kg	07/07/25 10:05	07/09/25 19:34	6010D	SW3050
7440-70-2	Calcium	180		1	11.1	99.9	mg/Kg	07/07/25 10:05	07/09/25 19:34	6010D	SW3050
7440-47-3	Chromium	11.4		1	0.047	0.50	mg/Kg	07/07/25 10:05	07/09/25 19:34	6010D	SW3050
7440-48-4	Cobalt	2.27	N	1	0.10	1.50	mg/Kg	07/07/25 10:05	07/09/25 19:34	6010D	SW3050
7440-50-8	Copper	1.26	N	1	0.22	1.00	mg/Kg	07/07/25 10:05	07/09/25 19:34	6010D	SW3050
7439-89-6	Iron	23500		1	3.99	5.00	mg/Kg	07/07/25 10:05	07/09/25 19:34	6010D	SW3050
7439-92-1	Lead	11.9	*	1	0.13	0.60	mg/Kg	07/07/25 10:05	07/09/25 19:34	6010D	SW3050
7439-95-4	Magnesium	353		1	12.0	99.9	mg/Kg	07/07/25 10:05	07/09/25 19:34	6010D	SW3050
7439-96-5	Manganese	38.3	*	1	0.14	1.00	mg/Kg	07/07/25 10:05	07/09/25 19:34	6010D	SW3050
7439-97-6	Mercury	0.021		1	0.0080	0.014	mg/Kg	07/15/25 15:40	07/16/25 13:47	7471B	
7440-02-0	Nickel	4.82		1	0.13	2.00	mg/Kg	07/07/25 10:05	07/09/25 19:34	6010D	SW3050
7440-09-7	Potassium	409		1	27.7	99.9	mg/Kg	07/07/25 10:05	07/09/25 19:34	6010D	SW3050
7782-49-2	Selenium	6.28	N	1	0.26	1.00	mg/Kg	07/07/25 10:05	07/09/25 19:34	6010D	SW3050
7440-22-4	Silver	0.19	JN	1	0.12	0.50	mg/Kg	07/07/25 10:05	07/09/25 19:34	6010D	SW3050
7440-23-5	Sodium	364	N	1	17.8	99.9	mg/Kg	07/07/25 10:05	07/09/25 19:34	6010D	SW3050
7440-28-0	Thallium	0.23	U	1	0.23	2.00	mg/Kg	07/07/25 10:05	07/09/25 19:34	6010D	SW3050
7440-62-2	Vanadium	22.9	N*	1	0.25	2.00	mg/Kg	07/07/25 10:05	07/09/25 19:34	6010D	SW3050
7440-66-6	Zinc	21.7		1	0.11	2.00	mg/Kg	07/07/25 10:05	07/09/25 19:34	6010D	SW3050

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	
Comments:	METALS-TAL				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-93	SDG No.:	Q2514
Lab Sample ID:	Q2514-02	Matrix:	SOIL
Level (low/med):	low	% Solid:	87.7

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	7940		1	0.84	5.02	mg/Kg	07/07/25 10:05	07/09/25 19:39	6010D	SW3050
7440-36-0	Antimony	1.62	JN	1	0.22	2.51	mg/Kg	07/07/25 10:05	07/09/25 19:39	6010D	SW3050
7440-38-2	Arsenic	10.3		1	0.19	1.00	mg/Kg	07/07/25 10:05	07/09/25 19:39	6010D	SW3050
7440-39-3	Barium	17.1		1	0.73	5.02	mg/Kg	07/07/25 10:05	07/09/25 19:39	6010D	SW3050
7440-41-7	Beryllium	0.82	N	1	0.025	0.30	mg/Kg	07/07/25 10:05	07/09/25 19:39	6010D	SW3050
7440-43-9	Cadmium	0.024	U	1	0.024	0.30	mg/Kg	07/07/25 10:05	07/09/25 19:39	6010D	SW3050
7440-70-2	Calcium	383		1	11.2	100	mg/Kg	07/07/25 10:05	07/09/25 19:39	6010D	SW3050
7440-47-3	Chromium	22.5		1	0.047	0.50	mg/Kg	07/07/25 10:05	07/09/25 19:39	6010D	SW3050
7440-48-4	Cobalt	2.51	N	1	0.10	1.51	mg/Kg	07/07/25 10:05	07/09/25 19:39	6010D	SW3050
7440-50-8	Copper	4.12	N	1	0.22	1.00	mg/Kg	07/07/25 10:05	07/09/25 19:39	6010D	SW3050
7439-89-6	Iron	25400		1	4.01	5.02	mg/Kg	07/07/25 10:05	07/09/25 19:39	6010D	SW3050
7439-92-1	Lead	11.0	*	1	0.13	0.60	mg/Kg	07/07/25 10:05	07/09/25 19:39	6010D	SW3050
7439-95-4	Magnesium	388		1	12.1	100	mg/Kg	07/07/25 10:05	07/09/25 19:39	6010D	SW3050
7439-96-5	Manganese	44.0	*	1	0.14	1.00	mg/Kg	07/07/25 10:05	07/09/25 19:39	6010D	SW3050
7439-97-6	Mercury	0.022		1	0.0080	0.014	mg/Kg	07/15/25 15:40	07/16/25 13:49	7471B	
7440-02-0	Nickel	5.06		1	0.13	2.01	mg/Kg	07/07/25 10:05	07/09/25 19:39	6010D	SW3050
7440-09-7	Potassium	337		1	27.8	100	mg/Kg	07/07/25 10:05	07/09/25 19:39	6010D	SW3050
7782-49-2	Selenium	6.69	N	1	0.26	1.00	mg/Kg	07/07/25 10:05	07/09/25 19:39	6010D	SW3050
7440-22-4	Silver	0.17	JN	1	0.12	0.50	mg/Kg	07/07/25 10:05	07/09/25 19:39	6010D	SW3050
7440-23-5	Sodium	707	N	1	17.9	100	mg/Kg	07/07/25 10:05	07/09/25 19:39	6010D	SW3050
7440-28-0	Thallium	0.23	U	1	0.23	2.01	mg/Kg	07/07/25 10:05	07/09/25 19:39	6010D	SW3050
7440-62-2	Vanadium	40.1	N*	1	0.25	2.01	mg/Kg	07/07/25 10:05	07/09/25 19:39	6010D	SW3050
7440-66-6	Zinc	16.5		1	0.11	2.01	mg/Kg	07/07/25 10:05	07/09/25 19:39	6010D	SW3050

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	
Comments:	METALS-TAL				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-94	SDG No.:	Q2514
Lab Sample ID:	Q2514-03	Matrix:	SOIL
Level (low/med):	low	% Solid:	88.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	9340		1	0.81	4.79	mg/Kg	07/07/25 10:05	07/09/25 19:43	6010D	SW3050
7440-36-0	Antimony	1.43	JN	1	0.21	2.39	mg/Kg	07/07/25 10:05	07/09/25 19:43	6010D	SW3050
7440-38-2	Arsenic	9.25		1	0.18	0.96	mg/Kg	07/07/25 10:05	07/09/25 19:43	6010D	SW3050
7440-39-3	Barium	22.9		1	0.70	4.79	mg/Kg	07/07/25 10:05	07/09/25 19:43	6010D	SW3050
7440-41-7	Beryllium	0.80	N	1	0.024	0.29	mg/Kg	07/07/25 10:05	07/09/25 19:43	6010D	SW3050
7440-43-9	Cadmium	0.023	U	1	0.023	0.29	mg/Kg	07/07/25 10:05	07/09/25 19:43	6010D	SW3050
7440-70-2	Calcium	120		1	10.6	95.8	mg/Kg	07/07/25 10:05	07/09/25 19:43	6010D	SW3050
7440-47-3	Chromium	17.2		1	0.045	0.48	mg/Kg	07/07/25 10:05	07/09/25 19:43	6010D	SW3050
7440-48-4	Cobalt	3.41	N	1	0.096	1.44	mg/Kg	07/07/25 10:05	07/09/25 19:43	6010D	SW3050
7440-50-8	Copper	4.08	N	1	0.21	0.96	mg/Kg	07/07/25 10:05	07/09/25 19:43	6010D	SW3050
7439-89-6	Iron	23700		1	3.82	4.79	mg/Kg	07/07/25 10:05	07/09/25 19:43	6010D	SW3050
7439-92-1	Lead	15.5	*	1	0.13	0.57	mg/Kg	07/07/25 10:05	07/09/25 19:43	6010D	SW3050
7439-95-4	Magnesium	686		1	11.5	95.8	mg/Kg	07/07/25 10:05	07/09/25 19:43	6010D	SW3050
7439-96-5	Manganese	51.5	*	1	0.13	0.96	mg/Kg	07/07/25 10:05	07/09/25 19:43	6010D	SW3050
7439-97-6	Mercury	0.036		1	0.0080	0.014	mg/Kg	07/15/25 15:40	07/16/25 13:51	7471B	
7440-02-0	Nickel	6.62		1	0.13	1.92	mg/Kg	07/07/25 10:05	07/09/25 19:43	6010D	SW3050
7440-09-7	Potassium	373		1	26.5	95.8	mg/Kg	07/07/25 10:05	07/09/25 19:43	6010D	SW3050
7782-49-2	Selenium	6.45	N	1	0.25	0.96	mg/Kg	07/07/25 10:05	07/09/25 19:43	6010D	SW3050
7440-22-4	Silver	0.12	UN	1	0.12	0.48	mg/Kg	07/07/25 10:05	07/09/25 19:43	6010D	SW3050
7440-23-5	Sodium	245	N	1	17.1	95.8	mg/Kg	07/07/25 10:05	07/09/25 19:43	6010D	SW3050
7440-28-0	Thallium	0.22	U	1	0.22	1.92	mg/Kg	07/07/25 10:05	07/09/25 19:43	6010D	SW3050
7440-62-2	Vanadium	35.4	N*	1	0.24	1.92	mg/Kg	07/07/25 10:05	07/09/25 19:43	6010D	SW3050
7440-66-6	Zinc	19.0		1	0.11	1.92	mg/Kg	07/07/25 10:05	07/09/25 19:43	6010D	SW3050

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	
Comments:	METALS-TAL				

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Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-96	SDG No.:	Q2514
Lab Sample ID:	Q2514-04	Matrix:	SOIL
Level (low/med):	low	% Solid:	85.8

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	11000		1	0.83	4.94	mg/Kg	07/07/25 10:05	07/09/25 19:56	6010D	SW3050
7440-36-0	Antimony	1.54	JN	1	0.22	2.47	mg/Kg	07/07/25 10:05	07/09/25 19:56	6010D	SW3050
7440-38-2	Arsenic	10.5		1	0.19	0.99	mg/Kg	07/07/25 10:05	07/09/25 19:56	6010D	SW3050
7440-39-3	Barium	23.6		1	0.72	4.94	mg/Kg	07/07/25 10:05	07/09/25 19:56	6010D	SW3050
7440-41-7	Beryllium	0.86	N	1	0.025	0.30	mg/Kg	07/07/25 10:05	07/09/25 19:56	6010D	SW3050
7440-43-9	Cadmium	0.024	U	1	0.024	0.30	mg/Kg	07/07/25 10:05	07/09/25 19:56	6010D	SW3050
7440-70-2	Calcium	261		1	11.0	98.8	mg/Kg	07/07/25 10:05	07/09/25 19:56	6010D	SW3050
7440-47-3	Chromium	20.3		1	0.046	0.49	mg/Kg	07/07/25 10:05	07/09/25 19:56	6010D	SW3050
7440-48-4	Cobalt	2.91	N	1	0.099	1.48	mg/Kg	07/07/25 10:05	07/09/25 19:56	6010D	SW3050
7440-50-8	Copper	3.65	N	1	0.22	0.99	mg/Kg	07/07/25 10:05	07/09/25 19:56	6010D	SW3050
7439-89-6	Iron	24200		1	3.94	4.94	mg/Kg	07/07/25 10:05	07/09/25 19:56	6010D	SW3050
7439-92-1	Lead	16.6	*	1	0.13	0.59	mg/Kg	07/07/25 10:05	07/09/25 19:56	6010D	SW3050
7439-95-4	Magnesium	592		1	11.9	98.8	mg/Kg	07/07/25 10:05	07/09/25 19:56	6010D	SW3050
7439-96-5	Manganese	55.6	*	1	0.14	0.99	mg/Kg	07/07/25 10:05	07/09/25 19:56	6010D	SW3050
7439-97-6	Mercury	0.046		1	0.0080	0.015	mg/Kg	07/15/25 15:40	07/16/25 13:54	7471B	
7440-02-0	Nickel	6.27		1	0.13	1.98	mg/Kg	07/07/25 10:05	07/09/25 19:56	6010D	SW3050
7440-09-7	Potassium	423		1	27.4	98.8	mg/Kg	07/07/25 10:05	07/09/25 19:56	6010D	SW3050
7782-49-2	Selenium	6.74	N	1	0.26	0.99	mg/Kg	07/07/25 10:05	07/09/25 19:56	6010D	SW3050
7440-22-4	Silver	0.12	UN	1	0.12	0.49	mg/Kg	07/07/25 10:05	07/09/25 19:56	6010D	SW3050
7440-23-5	Sodium	225	N	1	17.6	98.8	mg/Kg	07/07/25 10:05	07/09/25 19:56	6010D	SW3050
7440-28-0	Thallium	0.23	U	1	0.23	1.98	mg/Kg	07/07/25 10:05	07/09/25 19:56	6010D	SW3050
7440-62-2	Vanadium	36.8	N*	1	0.25	1.98	mg/Kg	07/07/25 10:05	07/09/25 19:56	6010D	SW3050
7440-66-6	Zinc	19.3		1	0.11	1.98	mg/Kg	07/07/25 10:05	07/09/25 19:56	6010D	SW3050

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	
Comments:	METALS-TAL				

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Alliance TECHNICAL GROUP
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Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-97	SDG No.:	Q2514
Lab Sample ID:	Q2514-05	Matrix:	SOIL
Level (low/med):	low	% Solid:	85

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	10500		1	0.81	4.80	mg/Kg	07/07/25 10:05	07/09/25 20:01	6010D	SW3050
7440-36-0	Antimony	1.32	JN	1	0.21	2.40	mg/Kg	07/07/25 10:05	07/09/25 20:01	6010D	SW3050
7440-38-2	Arsenic	8.80		1	0.18	0.96	mg/Kg	07/07/25 10:05	07/09/25 20:01	6010D	SW3050
7440-39-3	Barium	28.6		1	0.70	4.80	mg/Kg	07/07/25 10:05	07/09/25 20:01	6010D	SW3050
7440-41-7	Beryllium	0.79	N	1	0.024	0.29	mg/Kg	07/07/25 10:05	07/09/25 20:01	6010D	SW3050
7440-43-9	Cadmium	0.023	U	1	0.023	0.29	mg/Kg	07/07/25 10:05	07/09/25 20:01	6010D	SW3050
7440-70-2	Calcium	240		1	10.7	96.0	mg/Kg	07/07/25 10:05	07/09/25 20:01	6010D	SW3050
7440-47-3	Chromium	16.0		1	0.045	0.48	mg/Kg	07/07/25 10:05	07/09/25 20:01	6010D	SW3050
7440-48-4	Cobalt	3.42	N	1	0.096	1.44	mg/Kg	07/07/25 10:05	07/09/25 20:01	6010D	SW3050
7440-50-8	Copper	4.46	N	1	0.21	0.96	mg/Kg	07/07/25 10:05	07/09/25 20:01	6010D	SW3050
7439-89-6	Iron	22200		1	3.83	4.80	mg/Kg	07/07/25 10:05	07/09/25 20:01	6010D	SW3050
7439-92-1	Lead	14.1	*	1	0.13	0.58	mg/Kg	07/07/25 10:05	07/09/25 20:01	6010D	SW3050
7439-95-4	Magnesium	706		1	11.5	96.0	mg/Kg	07/07/25 10:05	07/09/25 20:01	6010D	SW3050
7439-96-5	Manganese	46.7	*	1	0.13	0.96	mg/Kg	07/07/25 10:05	07/09/25 20:01	6010D	SW3050
7439-97-6	Mercury	0.029		1	0.0080	0.015	mg/Kg	07/15/25 15:40	07/16/25 13:56	7471B	
7440-02-0	Nickel	6.81		1	0.13	1.92	mg/Kg	07/07/25 10:05	07/09/25 20:01	6010D	SW3050
7440-09-7	Potassium	406		1	26.6	96.0	mg/Kg	07/07/25 10:05	07/09/25 20:01	6010D	SW3050
7782-49-2	Selenium	6.10	N	1	0.25	0.96	mg/Kg	07/07/25 10:05	07/09/25 20:01	6010D	SW3050
7440-22-4	Silver	0.12	JN	1	0.12	0.48	mg/Kg	07/07/25 10:05	07/09/25 20:01	6010D	SW3050
7440-23-5	Sodium	595	N	1	17.1	96.0	mg/Kg	07/07/25 10:05	07/09/25 20:01	6010D	SW3050
7440-28-0	Thallium	0.22	U	1	0.22	1.92	mg/Kg	07/07/25 10:05	07/09/25 20:01	6010D	SW3050
7440-62-2	Vanadium	35.3	N*	1	0.24	1.92	mg/Kg	07/07/25 10:05	07/09/25 20:01	6010D	SW3050
7440-66-6	Zinc	18.0		1	0.11	1.92	mg/Kg	07/07/25 10:05	07/09/25 20:01	6010D	SW3050

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	
Comments:	METALS-TAL				

U = Not Detected
LOQ = Limit of Quantitation
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Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-103	SDG No.:	Q2514
Lab Sample ID:	Q2514-06	Matrix:	SOIL
Level (low/med):	low	% Solid:	86.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	10200		1	0.89	5.30	mg/Kg	07/07/25 10:05	07/09/25 20:05	6010D	SW3050
7440-36-0	Antimony	1.40	JN	1	0.23	2.65	mg/Kg	07/07/25 10:05	07/09/25 20:05	6010D	SW3050
7440-38-2	Arsenic	10.0		1	0.20	1.06	mg/Kg	07/07/25 10:05	07/09/25 20:05	6010D	SW3050
7440-39-3	Barium	23.9		1	0.77	5.30	mg/Kg	07/07/25 10:05	07/09/25 20:05	6010D	SW3050
7440-41-7	Beryllium	0.91	N	1	0.027	0.32	mg/Kg	07/07/25 10:05	07/09/25 20:05	6010D	SW3050
7440-43-9	Cadmium	0.029	J	1	0.025	0.32	mg/Kg	07/07/25 10:05	07/09/25 20:05	6010D	SW3050
7440-70-2	Calcium	531		1	11.8	106	mg/Kg	07/07/25 10:05	07/09/25 20:05	6010D	SW3050
7440-47-3	Chromium	21.8		1	0.050	0.53	mg/Kg	07/07/25 10:05	07/09/25 20:05	6010D	SW3050
7440-48-4	Cobalt	3.97	N	1	0.11	1.59	mg/Kg	07/07/25 10:05	07/09/25 20:05	6010D	SW3050
7440-50-8	Copper	3.51	N	1	0.23	1.06	mg/Kg	07/07/25 10:05	07/09/25 20:05	6010D	SW3050
7439-89-6	Iron	26100		1	4.23	5.30	mg/Kg	07/07/25 10:05	07/09/25 20:05	6010D	SW3050
7439-92-1	Lead	11.9	*	1	0.14	0.64	mg/Kg	07/07/25 10:05	07/09/25 20:05	6010D	SW3050
7439-95-4	Magnesium	568		1	12.7	106	mg/Kg	07/07/25 10:05	07/09/25 20:05	6010D	SW3050
7439-96-5	Manganese	61.9	*	1	0.15	1.06	mg/Kg	07/07/25 10:05	07/09/25 20:05	6010D	SW3050
7439-97-6	Mercury	0.070		1	0.0080	0.014	mg/Kg	07/15/25 15:40	07/16/25 13:58	7471B	
7440-02-0	Nickel	6.65		1	0.14	2.12	mg/Kg	07/07/25 10:05	07/09/25 20:05	6010D	SW3050
7440-09-7	Potassium	282		1	29.4	106	mg/Kg	07/07/25 10:05	07/09/25 20:05	6010D	SW3050
7782-49-2	Selenium	6.81	N	1	0.28	1.06	mg/Kg	07/07/25 10:05	07/09/25 20:05	6010D	SW3050
7440-22-4	Silver	0.13	UN	1	0.13	0.53	mg/Kg	07/07/25 10:05	07/09/25 20:05	6010D	SW3050
7440-23-5	Sodium	288	N	1	18.9	106	mg/Kg	07/07/25 10:05	07/09/25 20:05	6010D	SW3050
7440-28-0	Thallium	0.24	U	1	0.24	2.12	mg/Kg	07/07/25 10:05	07/09/25 20:05	6010D	SW3050
7440-62-2	Vanadium	38.3	N*	1	0.27	2.12	mg/Kg	07/07/25 10:05	07/09/25 20:05	6010D	SW3050
7440-66-6	Zinc	18.3		1	0.12	2.12	mg/Kg	07/07/25 10:05	07/09/25 20:05	6010D	SW3050

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	
Comments:	METALS-TAL				

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Report of Analysis

Client:	CDM Smith	Date Collected:	07/03/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-36	SDG No.:	Q2514
Lab Sample ID:	Q2514-07	Matrix:	SOIL
Level (low/med):	low	% Solid:	90.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	8840		1	0.79	4.67	mg/Kg	07/07/25 10:05	07/09/25 20:10	6010D	SW3050
7440-36-0	Antimony	1.28	JN	1	0.21	2.34	mg/Kg	07/07/25 10:05	07/09/25 20:10	6010D	SW3050
7440-38-2	Arsenic	6.18		1	0.18	0.94	mg/Kg	07/07/25 10:05	07/09/25 20:10	6010D	SW3050
7440-39-3	Barium	9.64		1	0.68	4.67	mg/Kg	07/07/25 10:05	07/09/25 20:10	6010D	SW3050
7440-41-7	Beryllium	0.88	N	1	0.023	0.28	mg/Kg	07/07/25 10:05	07/09/25 20:10	6010D	SW3050
7440-43-9	Cadmium	0.052	J	1	0.022	0.28	mg/Kg	07/07/25 10:05	07/09/25 20:10	6010D	SW3050
7440-70-2	Calcium	477		1	10.4	93.5	mg/Kg	07/07/25 10:05	07/09/25 20:10	6010D	SW3050
7440-47-3	Chromium	16.1		1	0.044	0.47	mg/Kg	07/07/25 10:05	07/09/25 20:10	6010D	SW3050
7440-48-4	Cobalt	1.87	N	1	0.093	1.40	mg/Kg	07/07/25 10:05	07/09/25 20:10	6010D	SW3050
7440-50-8	Copper	0.79	JN	1	0.21	0.94	mg/Kg	07/07/25 10:05	07/09/25 20:10	6010D	SW3050
7439-89-6	Iron	20600		1	3.73	4.67	mg/Kg	07/07/25 10:05	07/09/25 20:10	6010D	SW3050
7439-92-1	Lead	44.9	*	1	0.12	0.56	mg/Kg	07/07/25 10:05	07/09/25 20:10	6010D	SW3050
7439-95-4	Magnesium	378		1	11.2	93.5	mg/Kg	07/07/25 10:05	07/09/25 20:10	6010D	SW3050
7439-96-5	Manganese	14.6	*	1	0.13	0.94	mg/Kg	07/07/25 10:05	07/09/25 20:10	6010D	SW3050
7439-97-6	Mercury	0.019		1	0.0080	0.015	mg/Kg	07/15/25 15:40	07/16/25 14:01	7471B	
7440-02-0	Nickel	5.00		1	0.12	1.87	mg/Kg	07/07/25 10:05	07/09/25 20:10	6010D	SW3050
7440-09-7	Potassium	980		1	25.9	93.5	mg/Kg	07/07/25 10:05	07/09/25 20:10	6010D	SW3050
7782-49-2	Selenium	5.42	N	1	0.24	0.94	mg/Kg	07/07/25 10:05	07/09/25 20:10	6010D	SW3050
7440-22-4	Silver	0.11	UN	1	0.11	0.47	mg/Kg	07/07/25 10:05	07/09/25 20:10	6010D	SW3050
7440-23-5	Sodium	249	N	1	16.6	93.5	mg/Kg	07/07/25 10:05	07/09/25 20:10	6010D	SW3050
7440-28-0	Thallium	0.22	U	1	0.22	1.87	mg/Kg	07/07/25 10:05	07/09/25 20:10	6010D	SW3050
7440-62-2	Vanadium	40.8	N*	1	0.23	1.87	mg/Kg	07/07/25 10:05	07/09/25 20:10	6010D	SW3050
7440-66-6	Zinc	16.7		1	0.10	1.87	mg/Kg	07/07/25 10:05	07/09/25 20:10	6010D	SW3050

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	
Comments:	METALS-TAL				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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:	07/03/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-78	SDG No.:	Q2514
Lab Sample ID:	Q2514-08	Matrix:	SOIL
Level (low/med):	low	% Solid:	86.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	6500		1	0.80	4.79	mg/Kg	07/07/25 10:05	07/09/25 20:14	6010D	SW3050
7440-36-0	Antimony	1.41	JN	1	0.21	2.39	mg/Kg	07/07/25 10:05	07/09/25 20:14	6010D	SW3050
7440-38-2	Arsenic	8.20		1	0.18	0.96	mg/Kg	07/07/25 10:05	07/09/25 20:14	6010D	SW3050
7440-39-3	Barium	14.0		1	0.70	4.79	mg/Kg	07/07/25 10:05	07/09/25 20:14	6010D	SW3050
7440-41-7	Beryllium	0.67	N	1	0.024	0.29	mg/Kg	07/07/25 10:05	07/09/25 20:14	6010D	SW3050
7440-43-9	Cadmium	0.023	U	1	0.023	0.29	mg/Kg	07/07/25 10:05	07/09/25 20:14	6010D	SW3050
7440-70-2	Calcium	137		1	10.6	95.8	mg/Kg	07/07/25 10:05	07/09/25 20:14	6010D	SW3050
7440-47-3	Chromium	16.6		1	0.045	0.48	mg/Kg	07/07/25 10:05	07/09/25 20:14	6010D	SW3050
7440-48-4	Cobalt	1.74	N	1	0.096	1.44	mg/Kg	07/07/25 10:05	07/09/25 20:14	6010D	SW3050
7440-50-8	Copper	2.21	N	1	0.21	0.96	mg/Kg	07/07/25 10:05	07/09/25 20:14	6010D	SW3050
7439-89-6	Iron	24500		1	3.82	4.79	mg/Kg	07/07/25 10:05	07/09/25 20:14	6010D	SW3050
7439-92-1	Lead	8.24	*	1	0.12	0.57	mg/Kg	07/07/25 10:05	07/09/25 20:14	6010D	SW3050
7439-95-4	Magnesium	489		1	11.5	95.8	mg/Kg	07/07/25 10:05	07/09/25 20:14	6010D	SW3050
7439-96-5	Manganese	37.9	*	1	0.13	0.96	mg/Kg	07/07/25 10:05	07/09/25 20:14	6010D	SW3050
7439-97-6	Mercury	0.030		1	0.0080	0.015	mg/Kg	07/15/25 15:40	07/16/25 14:03	7471B	
7440-02-0	Nickel	4.32		1	0.12	1.92	mg/Kg	07/07/25 10:05	07/09/25 20:14	6010D	SW3050
7440-09-7	Potassium	640		1	26.5	95.8	mg/Kg	07/07/25 10:05	07/09/25 20:14	6010D	SW3050
7782-49-2	Selenium	6.57	N	1	0.25	0.96	mg/Kg	07/07/25 10:05	07/09/25 20:14	6010D	SW3050
7440-22-4	Silver	0.12	JN	1	0.12	0.48	mg/Kg	07/07/25 10:05	07/09/25 20:14	6010D	SW3050
7440-23-5	Sodium	154	N	1	17.0	95.8	mg/Kg	07/07/25 10:05	07/09/25 20:14	6010D	SW3050
7440-28-0	Thallium	0.22	U	1	0.22	1.92	mg/Kg	07/07/25 10:05	07/09/25 20:14	6010D	SW3050
7440-62-2	Vanadium	41.8	N*	1	0.24	1.92	mg/Kg	07/07/25 10:05	07/09/25 20:14	6010D	SW3050
7440-66-6	Zinc	15.7		1	0.11	1.92	mg/Kg	07/07/25 10:05	07/09/25 20:14	6010D	SW3050

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	
Comments:	METALS-TAL				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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:	07/03/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-81	SDG No.:	Q2514
Lab Sample ID:	Q2514-09	Matrix:	SOIL
Level (low/med):	low	% Solid:	86.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	7770		1	0.90	5.34	mg/Kg	07/07/25 10:05	07/09/25 20:19	6010D	SW3050
7440-36-0	Antimony	1.06	JN	1	0.24	2.67	mg/Kg	07/07/25 10:05	07/09/25 20:19	6010D	SW3050
7440-38-2	Arsenic	7.35		1	0.20	1.07	mg/Kg	07/07/25 10:05	07/09/25 20:19	6010D	SW3050
7440-39-3	Barium	30.4		1	0.78	5.34	mg/Kg	07/07/25 10:05	07/09/25 20:19	6010D	SW3050
7440-41-7	Beryllium	0.70	N	1	0.027	0.32	mg/Kg	07/07/25 10:05	07/09/25 20:19	6010D	SW3050
7440-43-9	Cadmium	0.044	J	1	0.026	0.32	mg/Kg	07/07/25 10:05	07/09/25 20:19	6010D	SW3050
7440-70-2	Calcium	579		1	11.9	107	mg/Kg	07/07/25 10:05	07/09/25 20:19	6010D	SW3050
7440-47-3	Chromium	14.9		1	0.050	0.53	mg/Kg	07/07/25 10:05	07/09/25 20:19	6010D	SW3050
7440-48-4	Cobalt	4.09	N	1	0.11	1.60	mg/Kg	07/07/25 10:05	07/09/25 20:19	6010D	SW3050
7440-50-8	Copper	2.79	N	1	0.24	1.07	mg/Kg	07/07/25 10:05	07/09/25 20:19	6010D	SW3050
7439-89-6	Iron	18000		1	4.26	5.34	mg/Kg	07/07/25 10:05	07/09/25 20:19	6010D	SW3050
7439-92-1	Lead	11.4	*	1	0.14	0.64	mg/Kg	07/07/25 10:05	07/09/25 20:19	6010D	SW3050
7439-95-4	Magnesium	649		1	12.8	107	mg/Kg	07/07/25 10:05	07/09/25 20:19	6010D	SW3050
7439-96-5	Manganese	74.2	*	1	0.15	1.07	mg/Kg	07/07/25 10:05	07/09/25 20:19	6010D	SW3050
7439-97-6	Mercury	0.035		1	0.0090	0.016	mg/Kg	07/15/25 15:40	07/16/25 14:05	7471B	
7440-02-0	Nickel	6.57		1	0.14	2.14	mg/Kg	07/07/25 10:05	07/09/25 20:19	6010D	SW3050
7440-09-7	Potassium	315		1	29.6	107	mg/Kg	07/07/25 10:05	07/09/25 20:19	6010D	SW3050
7782-49-2	Selenium	5.01	N	1	0.28	1.07	mg/Kg	07/07/25 10:05	07/09/25 20:19	6010D	SW3050
7440-22-4	Silver	0.20	JN	1	0.13	0.53	mg/Kg	07/07/25 10:05	07/09/25 20:19	6010D	SW3050
7440-23-5	Sodium	137	N	1	19.0	107	mg/Kg	07/07/25 10:05	07/09/25 20:19	6010D	SW3050
7440-28-0	Thallium	0.25	U	1	0.25	2.14	mg/Kg	07/07/25 10:05	07/09/25 20:19	6010D	SW3050
7440-62-2	Vanadium	27.2	N*	1	0.27	2.14	mg/Kg	07/07/25 10:05	07/09/25 20:19	6010D	SW3050
7440-66-6	Zinc	17.1		1	0.12	2.14	mg/Kg	07/07/25 10:05	07/09/25 20:19	6010D	SW3050

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	
Comments:	METALS-TAL				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
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J = Estimated Value
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N =Spiked sample recovery not within control limits

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:	07/03/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-90	SDG No.:	Q2514
Lab Sample ID:	Q2514-10	Matrix:	SOIL
Level (low/med):	low	% Solid:	91.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	4530		1	0.83	4.94	mg/Kg	07/07/25 10:05	07/09/25 20:23	6010D	SW3050
7440-36-0	Antimony	1.58	JN	1	0.22	2.47	mg/Kg	07/07/25 10:05	07/09/25 20:23	6010D	SW3050
7440-38-2	Arsenic	2.83		1	0.19	0.99	mg/Kg	07/07/25 10:05	07/09/25 20:23	6010D	SW3050
7440-39-3	Barium	9.66		1	0.72	4.94	mg/Kg	07/07/25 10:05	07/09/25 20:23	6010D	SW3050
7440-41-7	Beryllium	0.28	JN	1	0.025	0.30	mg/Kg	07/07/25 10:05	07/09/25 20:23	6010D	SW3050
7440-43-9	Cadmium	0.024	U	1	0.024	0.30	mg/Kg	07/07/25 10:05	07/09/25 20:23	6010D	SW3050
7440-70-2	Calcium	2560		1	11.0	98.8	mg/Kg	07/07/25 10:05	07/09/25 20:23	6010D	SW3050
7440-47-3	Chromium	7.24		1	0.046	0.49	mg/Kg	07/07/25 10:05	07/09/25 20:23	6010D	SW3050
7440-48-4	Cobalt	7.80	N	1	0.099	1.48	mg/Kg	07/07/25 10:05	07/09/25 20:23	6010D	SW3050
7440-50-8	Copper	37.9	N	1	0.22	0.99	mg/Kg	07/07/25 10:05	07/09/25 20:23	6010D	SW3050
7439-89-6	Iron	12900		1	3.94	4.94	mg/Kg	07/07/25 10:05	07/09/25 20:23	6010D	SW3050
7439-92-1	Lead	5.60	*	1	0.13	0.59	mg/Kg	07/07/25 10:05	07/09/25 20:23	6010D	SW3050
7439-95-4	Magnesium	3870		1	11.9	98.8	mg/Kg	07/07/25 10:05	07/09/25 20:23	6010D	SW3050
7439-96-5	Manganese	108	*	1	0.14	0.99	mg/Kg	07/07/25 10:05	07/09/25 20:23	6010D	SW3050
7439-97-6	Mercury	0.021		1	0.0080	0.014	mg/Kg	07/15/25 15:40	07/16/25 14:12	7471B	
7440-02-0	Nickel	16.4		1	0.13	1.98	mg/Kg	07/07/25 10:05	07/09/25 20:23	6010D	SW3050
7440-09-7	Potassium	155		1	27.4	98.8	mg/Kg	07/07/25 10:05	07/09/25 20:23	6010D	SW3050
7782-49-2	Selenium	2.86	N	1	0.26	0.99	mg/Kg	07/07/25 10:05	07/09/25 20:23	6010D	SW3050
7440-22-4	Silver	0.20	JN	1	0.12	0.49	mg/Kg	07/07/25 10:05	07/09/25 20:23	6010D	SW3050
7440-23-5	Sodium	682	N	1	17.6	98.8	mg/Kg	07/07/25 10:05	07/09/25 20:23	6010D	SW3050
7440-28-0	Thallium	0.23	U	1	0.23	1.98	mg/Kg	07/07/25 10:05	07/09/25 20:23	6010D	SW3050
7440-62-2	Vanadium	24.8	N*	1	0.25	1.98	mg/Kg	07/07/25 10:05	07/09/25 20:23	6010D	SW3050
7440-66-6	Zinc	15.5		1	0.11	1.98	mg/Kg	07/07/25 10:05	07/09/25 20:23	6010D	SW3050

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	
Comments:	METALS-TAL				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
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N =Spiked sample recovery not within control limits

METAL CALIBRATION DATA

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

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith **SDG No.:** Q2514

Contract: CAMP02 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV29	Mercury	4.07	4.0	102	90 - 110	CV	07/16/2025	11:56	LB136499

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith **SDG No.:** Q2514

Contract: CAMP02 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV09	Mercury	5.31	5.0	106	90 - 110	CV	07/16/2025	12:01	LB136499
CCV10	Mercury	5.27	5.0	105	90 - 110	CV	07/16/2025	12:38	LB136499
CCV11	Mercury	5.28	5.0	106	90 - 110	CV	07/16/2025	13:12	LB136499
CCV12	Mercury	5.09	5.0	102	90 - 110	CV	07/16/2025	13:40	LB136499
CCV13	Mercury	5.13	5.0	103	90 - 110	CV	07/16/2025	14:07	LB136499
CCV14	Mercury	5.04	5.0	101	90 - 110	CV	07/16/2025	14:25	LB136499

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Fax : 908 789 8922

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith **SDG No.:** Q2514

Contract: CAMP02 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Aluminum	7590	8000	95	90 - 110	P	07/09/2025	10:05	LB136407
	Antimony	3910	4000	98	90 - 110	P	07/09/2025	10:05	LB136407
	Arsenic	3660	4000	92	90 - 110	P	07/09/2025	10:05	LB136407
	Barium	7770	8000	97	90 - 110	P	07/09/2025	10:05	LB136407
	Beryllium	194	200	97	90 - 110	P	07/09/2025	10:05	LB136407
	Cadmium	1860	2000	93	90 - 110	P	07/09/2025	10:05	LB136407
	Calcium	19100	20000	95	90 - 110	P	07/09/2025	10:05	LB136407
	Chromium	784	800	98	90 - 110	P	07/09/2025	10:05	LB136407
	Cobalt	1910	2000	96	90 - 110	P	07/09/2025	10:05	LB136407
	Copper	1000	1000	100	90 - 110	P	07/09/2025	10:05	LB136407
	Iron	3730	4000	93	90 - 110	P	07/09/2025	10:05	LB136407
	Lead	3700	4000	92	90 - 110	P	07/09/2025	10:05	LB136407
	Magnesium	19100	20000	95	90 - 110	P	07/09/2025	10:05	LB136407
	Manganese	1920	2000	96	90 - 110	P	07/09/2025	10:05	LB136407
	Nickel	1890	2000	94	90 - 110	P	07/09/2025	10:05	LB136407
	Potassium	18500	20000	93	90 - 110	P	07/09/2025	10:05	LB136407
	Selenium	3760	4000	94	90 - 110	P	07/09/2025	10:05	LB136407
	Silver	1000	1000	100	90 - 110	P	07/09/2025	10:05	LB136407
	Sodium	19300	20000	96	90 - 110	P	07/09/2025	10:05	LB136407
	Thallium	3680	4000	92	90 - 110	P	07/09/2025	10:05	LB136407
	Vanadium	1940	2000	97	90 - 110	P	07/09/2025	10:05	LB136407
	Zinc	1950	2000	97	90 - 110	P	07/09/2025	10:05	LB136407

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Metals

- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith **SDG No.:** Q2514

Contract: CAMP02 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Aluminum	96.1	100	96	80 - 120	P	07/09/2025	10:17	LB136407
	Antimony	49.5	50.0	99	80 - 120	P	07/09/2025	10:17	LB136407
	Arsenic	20.8	20.0	104	80 - 120	P	07/09/2025	10:17	LB136407
	Barium	101	100	101	80 - 120	P	07/09/2025	10:17	LB136407
	Beryllium	6.07	6.0	101	80 - 120	P	07/09/2025	10:17	LB136407
	Cadmium	5.40	6.0	90	80 - 120	P	07/09/2025	10:17	LB136407
	Calcium	1940	2000	97	80 - 120	P	07/09/2025	10:17	LB136407
	Chromium	10.3	10.0	103	80 - 120	P	07/09/2025	10:17	LB136407
	Cobalt	28.4	30.0	95	80 - 120	P	07/09/2025	10:17	LB136407
	Copper	22.7	20.0	114	80 - 120	P	07/09/2025	10:17	LB136407
	Iron	117	100	117	80 - 120	P	07/09/2025	10:17	LB136407
	Lead	11.2	12.0	94	80 - 120	P	07/09/2025	10:17	LB136407
	Magnesium	2100	2000	105	80 - 120	P	07/09/2025	10:17	LB136407
	Manganese	23.0	20.0	115	80 - 120	P	07/09/2025	10:17	LB136407
	Nickel	37.8	40.0	95	80 - 120	P	07/09/2025	10:17	LB136407
	Potassium	1760	2000	88	80 - 120	P	07/09/2025	10:17	LB136407
	Selenium	21.3	20.0	107	80 - 120	P	07/09/2025	10:17	LB136407
	Silver	9.46	10.0	95	80 - 120	P	07/09/2025	10:17	LB136407
	Sodium	1770	2000	88	80 - 120	P	07/09/2025	10:17	LB136407
	Thallium	37.7	40.0	94	80 - 120	P	07/09/2025	10:17	LB136407
	Vanadium	37.7	40.0	94	80 - 120	P	07/09/2025	10:17	LB136407
	Zinc	42.1	40.0	105	80 - 120	P	07/09/2025	10:17	LB136407

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Metals

- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith **SDG No.:** Q2514

Contract: CAMP02 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Aluminum	10300	10000	102	90 - 110	P	07/09/2025	10:48	LB136407
	Antimony	5070	5000	101	90 - 110	P	07/09/2025	10:48	LB136407
	Arsenic	4990	5000	100	90 - 110	P	07/09/2025	10:48	LB136407
	Barium	10700	10000	107	90 - 110	P	07/09/2025	10:48	LB136407
	Beryllium	259	250	104	90 - 110	P	07/09/2025	10:48	LB136407
	Cadmium	2520	2500	101	90 - 110	P	07/09/2025	10:48	LB136407
	Calcium	25400	25000	102	90 - 110	P	07/09/2025	10:48	LB136407
	Chromium	1030	1000	103	90 - 110	P	07/09/2025	10:48	LB136407
	Cobalt	2480	2500	99	90 - 110	P	07/09/2025	10:48	LB136407
	Copper	1290	1250	104	90 - 110	P	07/09/2025	10:48	LB136407
	Iron	5010	5000	100	90 - 110	P	07/09/2025	10:48	LB136407
	Lead	5040	5000	101	90 - 110	P	07/09/2025	10:48	LB136407
	Magnesium	24700	25000	99	90 - 110	P	07/09/2025	10:48	LB136407
	Manganese	2620	2500	105	90 - 110	P	07/09/2025	10:48	LB136407
	Nickel	2470	2500	99	90 - 110	P	07/09/2025	10:48	LB136407
	Potassium	25800	25000	103	90 - 110	P	07/09/2025	10:48	LB136407
	Selenium	5080	5000	102	90 - 110	P	07/09/2025	10:48	LB136407
	Silver	1260	1250	101	90 - 110	P	07/09/2025	10:48	LB136407
	Sodium	26500	25000	106	90 - 110	P	07/09/2025	10:48	LB136407
	Thallium	5100	5000	102	90 - 110	P	07/09/2025	10:48	LB136407
	Vanadium	2630	2500	105	90 - 110	P	07/09/2025	10:48	LB136407
	Zinc	2630	2500	105	90 - 110	P	07/09/2025	10:48	LB136407
CCV02	Aluminum	9890	10000	99	90 - 110	P	07/09/2025	11:47	LB136407
	Antimony	5010	5000	100	90 - 110	P	07/09/2025	11:47	LB136407
	Arsenic	4800	5000	96	90 - 110	P	07/09/2025	11:47	LB136407
	Barium	10700	10000	107	90 - 110	P	07/09/2025	11:47	LB136407
	Beryllium	254	250	102	90 - 110	P	07/09/2025	11:47	LB136407
	Cadmium	2430	2500	97	90 - 110	P	07/09/2025	11:47	LB136407
	Calcium	25200	25000	101	90 - 110	P	07/09/2025	11:47	LB136407
	Chromium	997	1000	100	90 - 110	P	07/09/2025	11:47	LB136407
	Cobalt	2400	2500	96	90 - 110	P	07/09/2025	11:47	LB136407
	Copper	1260	1250	101	90 - 110	P	07/09/2025	11:47	LB136407
	Iron	4860	5000	97	90 - 110	P	07/09/2025	11:47	LB136407
	Lead	4860	5000	97	90 - 110	P	07/09/2025	11:47	LB136407

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith **SDG No.:** Q2514

Contract: CAMP02 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV02	Magnesium	24200	25000	97	90 - 110	P	07/09/2025	11:47	LB136407
	Manganese	2580	2500	103	90 - 110	P	07/09/2025	11:47	LB136407
	Nickel	2400	2500	96	90 - 110	P	07/09/2025	11:47	LB136407
	Potassium	24100	25000	96	90 - 110	P	07/09/2025	11:47	LB136407
	Selenium	4960	5000	99	90 - 110	P	07/09/2025	11:47	LB136407
	Silver	1240	1250	99	90 - 110	P	07/09/2025	11:47	LB136407
	Sodium	24500	25000	98	90 - 110	P	07/09/2025	11:47	LB136407
	Thallium	4990	5000	100	90 - 110	P	07/09/2025	11:47	LB136407
	Vanadium	2600	2500	104	90 - 110	P	07/09/2025	11:47	LB136407
	Zinc	2590	2500	104	90 - 110	P	07/09/2025	11:47	LB136407
CCV03	Aluminum	10000	10000	100	90 - 110	P	07/09/2025	12:54	LB136407
	Antimony	5020	5000	100	90 - 110	P	07/09/2025	12:54	LB136407
	Arsenic	4830	5000	96	90 - 110	P	07/09/2025	12:54	LB136407
	Barium	10800	10000	108	90 - 110	P	07/09/2025	12:54	LB136407
	Beryllium	257	250	103	90 - 110	P	07/09/2025	12:54	LB136407
	Cadmium	2440	2500	98	90 - 110	P	07/09/2025	12:54	LB136407
	Calcium	25500	25000	102	90 - 110	P	07/09/2025	12:54	LB136407
	Chromium	1000	1000	100	90 - 110	P	07/09/2025	12:54	LB136407
	Cobalt	2410	2500	97	90 - 110	P	07/09/2025	12:54	LB136407
	Copper	1270	1250	102	90 - 110	P	07/09/2025	12:54	LB136407
	Iron	4930	5000	99	90 - 110	P	07/09/2025	12:54	LB136407
	Lead	4890	5000	98	90 - 110	P	07/09/2025	12:54	LB136407
	Magnesium	24500	25000	98	90 - 110	P	07/09/2025	12:54	LB136407
	Manganese	2590	2500	103	90 - 110	P	07/09/2025	12:54	LB136407
	Nickel	2410	2500	96	90 - 110	P	07/09/2025	12:54	LB136407
	Potassium	24700	25000	99	90 - 110	P	07/09/2025	12:54	LB136407
	Selenium	5010	5000	100	90 - 110	P	07/09/2025	12:54	LB136407
	Silver	1240	1250	99	90 - 110	P	07/09/2025	12:54	LB136407
	Sodium	25000	25000	100	90 - 110	P	07/09/2025	12:54	LB136407
	Thallium	5030	5000	101	90 - 110	P	07/09/2025	12:54	LB136407
	Vanadium	2590	2500	104	90 - 110	P	07/09/2025	12:54	LB136407
	Zinc	2600	2500	104	90 - 110	P	07/09/2025	12:54	LB136407
CCV04	Aluminum	10100	10000	101	90 - 110	P	07/09/2025	14:05	LB136407
	Antimony	5010	5000	100	90 - 110	P	07/09/2025	14:05	LB136407

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith **SDG No.:** Q2514

Contract: CAMP02 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV04	Arsenic	4860	5000	97	90 - 110	P	07/09/2025	14:05	LB136407
	Barium	10700	10000	107	90 - 110	P	07/09/2025	14:05	LB136407
	Beryllium	259	250	104	90 - 110	P	07/09/2025	14:05	LB136407
	Cadmium	2460	2500	98	90 - 110	P	07/09/2025	14:05	LB136407
	Calcium	25700	25000	103	90 - 110	P	07/09/2025	14:05	LB136407
	Chromium	1000	1000	100	90 - 110	P	07/09/2025	14:05	LB136407
	Cobalt	2410	2500	96	90 - 110	P	07/09/2025	14:05	LB136407
	Copper	1280	1250	102	90 - 110	P	07/09/2025	14:05	LB136407
	Iron	5000	5000	100	90 - 110	P	07/09/2025	14:05	LB136407
	Lead	4930	5000	99	90 - 110	P	07/09/2025	14:05	LB136407
	Magnesium	24500	25000	98	90 - 110	P	07/09/2025	14:05	LB136407
	Manganese	2590	2500	104	90 - 110	P	07/09/2025	14:05	LB136407
	Nickel	2420	2500	97	90 - 110	P	07/09/2025	14:05	LB136407
	Potassium	25300	25000	101	90 - 110	P	07/09/2025	14:05	LB136407
	Selenium	5050	5000	101	90 - 110	P	07/09/2025	14:05	LB136407
	Silver	1260	1250	101	90 - 110	P	07/09/2025	14:05	LB136407
	Sodium	25800	25000	103	90 - 110	P	07/09/2025	14:05	LB136407
	Thallium	5080	5000	102	90 - 110	P	07/09/2025	14:05	LB136407
	Vanadium	2580	2500	103	90 - 110	P	07/09/2025	14:05	LB136407
	Zinc	2580	2500	103	90 - 110	P	07/09/2025	14:05	LB136407
CCV05	Aluminum	10200	10000	102	90 - 110	P	07/09/2025	15:27	LB136407
	Antimony	5170	5000	103	90 - 110	P	07/09/2025	15:27	LB136407
	Arsenic	5070	5000	101	90 - 110	P	07/09/2025	15:27	LB136407
	Barium	10800	10000	108	90 - 110	P	07/09/2025	15:27	LB136407
	Beryllium	272	250	109	90 - 110	P	07/09/2025	15:27	LB136407
	Cadmium	2560	2500	103	90 - 110	P	07/09/2025	15:27	LB136407
	Calcium	26100	25000	104	90 - 110	P	07/09/2025	15:27	LB136407
	Chromium	1030	1000	103	90 - 110	P	07/09/2025	15:27	LB136407
	Cobalt	2500	2500	100	90 - 110	P	07/09/2025	15:27	LB136407
	Copper	1340	1250	107	90 - 110	P	07/09/2025	15:27	LB136407
	Iron	5360	5000	107	90 - 110	P	07/09/2025	15:27	LB136407
	Lead	5130	5000	103	90 - 110	P	07/09/2025	15:27	LB136407
	Magnesium	25100	25000	100	90 - 110	P	07/09/2025	15:27	LB136407
	Manganese	2600	2500	104	90 - 110	P	07/09/2025	15:27	LB136407

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith **SDG No.:** Q2514

Contract: CAMP02 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV05	Nickel	2510	2500	100	90 - 110	P	07/09/2025	15:27	LB136407
	Potassium	26800	25000	107	90 - 110	P	07/09/2025	15:27	LB136407
	Selenium	5260	5000	105	90 - 110	P	07/09/2025	15:27	LB136407
	Silver	1280	1250	102	90 - 110	P	07/09/2025	15:27	LB136407
	Sodium	27100	25000	108	90 - 110	P	07/09/2025	15:27	LB136407
	Thallium	5270	5000	106	90 - 110	P	07/09/2025	15:27	LB136407
	Vanadium	2600	2500	104	90 - 110	P	07/09/2025	15:27	LB136407
	Zinc	2620	2500	105	90 - 110	P	07/09/2025	15:27	LB136407
CCV06	Aluminum	10100	10000	101	90 - 110	P	07/09/2025	16:39	LB136407
	Antimony	5040	5000	101	90 - 110	P	07/09/2025	16:39	LB136407
	Arsenic	4880	5000	98	90 - 110	P	07/09/2025	16:39	LB136407
	Barium	10600	10000	106	90 - 110	P	07/09/2025	16:39	LB136407
	Beryllium	260	250	104	90 - 110	P	07/09/2025	16:39	LB136407
	Cadmium	2470	2500	99	90 - 110	P	07/09/2025	16:39	LB136407
	Calcium	25600	25000	102	90 - 110	P	07/09/2025	16:39	LB136407
	Chromium	1000	1000	100	90 - 110	P	07/09/2025	16:39	LB136407
	Cobalt	2430	2500	97	90 - 110	P	07/09/2025	16:39	LB136407
	Copper	1280	1250	103	90 - 110	P	07/09/2025	16:39	LB136407
	Iron	5080	5000	102	90 - 110	P	07/09/2025	16:39	LB136407
	Lead	4940	5000	99	90 - 110	P	07/09/2025	16:39	LB136407
	Magnesium	24700	25000	99	90 - 110	P	07/09/2025	16:39	LB136407
	Manganese	2580	2500	103	90 - 110	P	07/09/2025	16:39	LB136407
	Nickel	2430	2500	97	90 - 110	P	07/09/2025	16:39	LB136407
	Potassium	25300	25000	101	90 - 110	P	07/09/2025	16:39	LB136407
	Selenium	5090	5000	102	90 - 110	P	07/09/2025	16:39	LB136407
	Silver	1250	1250	100	90 - 110	P	07/09/2025	16:39	LB136407
	Sodium	25300	25000	101	90 - 110	P	07/09/2025	16:39	LB136407
	Thallium	5110	5000	102	90 - 110	P	07/09/2025	16:39	LB136407
	Vanadium	2570	2500	103	90 - 110	P	07/09/2025	16:39	LB136407
	Zinc	2560	2500	102	90 - 110	P	07/09/2025	16:39	LB136407
CCV07	Aluminum	10000	10000	100	90 - 110	P	07/09/2025	17:50	LB136407
	Antimony	4980	5000	100	90 - 110	P	07/09/2025	17:50	LB136407
	Arsenic	4770	5000	95	90 - 110	P	07/09/2025	17:50	LB136407
	Barium	10500	10000	105	90 - 110	P	07/09/2025	17:50	LB136407

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith **SDG No.:** Q2514

Contract: CAMP02 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV07	Beryllium	258	250	103	90 - 110	P	07/09/2025	17:50	LB136407
	Cadmium	2420	2500	97	90 - 110	P	07/09/2025	17:50	LB136407
	Calcium	25500	25000	102	90 - 110	P	07/09/2025	17:50	LB136407
	Chromium	982	1000	98	90 - 110	P	07/09/2025	17:50	LB136407
	Cobalt	2380	2500	95	90 - 110	P	07/09/2025	17:50	LB136407
	Copper	1270	1250	102	90 - 110	P	07/09/2025	17:50	LB136407
	Iron	5070	5000	101	90 - 110	P	07/09/2025	17:50	LB136407
	Lead	4830	5000	97	90 - 110	P	07/09/2025	17:50	LB136407
	Magnesium	24700	25000	99	90 - 110	P	07/09/2025	17:50	LB136407
	Manganese	2570	2500	103	90 - 110	P	07/09/2025	17:50	LB136407
	Nickel	2390	2500	96	90 - 110	P	07/09/2025	17:50	LB136407
	Potassium	23900	25000	96	90 - 110	P	07/09/2025	17:50	LB136407
	Selenium	5010	5000	100	90 - 110	P	07/09/2025	17:50	LB136407
	Silver	1240	1250	99	90 - 110	P	07/09/2025	17:50	LB136407
	Sodium	24000	25000	96	90 - 110	P	07/09/2025	17:50	LB136407
	Thallium	5040	5000	101	90 - 110	P	07/09/2025	17:50	LB136407
	Vanadium	2540	2500	102	90 - 110	P	07/09/2025	17:50	LB136407
	Zinc	2520	2500	101	90 - 110	P	07/09/2025	17:50	LB136407
CCV08	Aluminum	9890	10000	99	90 - 110	P	07/09/2025	18:54	LB136407
	Antimony	4930	5000	99	90 - 110	P	07/09/2025	18:54	LB136407
	Arsenic	4700	5000	94	90 - 110	P	07/09/2025	18:54	LB136407
	Barium	10400	10000	104	90 - 110	P	07/09/2025	18:54	LB136407
	Beryllium	255	250	102	90 - 110	P	07/09/2025	18:54	LB136407
	Cadmium	2400	2500	96	90 - 110	P	07/09/2025	18:54	LB136407
	Calcium	25100	25000	100	90 - 110	P	07/09/2025	18:54	LB136407
	Chromium	966	1000	97	90 - 110	P	07/09/2025	18:54	LB136407
	Cobalt	2340	2500	94	90 - 110	P	07/09/2025	18:54	LB136407
	Copper	1250	1250	100	90 - 110	P	07/09/2025	18:54	LB136407
	Iron	5020	5000	100	90 - 110	P	07/09/2025	18:54	LB136407
	Lead	4780	5000	96	90 - 110	P	07/09/2025	18:54	LB136407
	Magnesium	24300	25000	97	90 - 110	P	07/09/2025	18:54	LB136407
	Manganese	2520	2500	101	90 - 110	P	07/09/2025	18:54	LB136407
	Nickel	2370	2500	95	90 - 110	P	07/09/2025	18:54	LB136407
	Potassium	23500	25000	94	90 - 110	P	07/09/2025	18:54	LB136407

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Metals

- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith **SDG No.:** Q2514

Contract: CAMP02 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV08	Selenium	4970	5000	99	90 - 110	P	07/09/2025	18:54	LB136407
	Silver	1220	1250	98	90 - 110	P	07/09/2025	18:54	LB136407
	Sodium	23600	25000	94	90 - 110	P	07/09/2025	18:54	LB136407
	Thallium	5010	5000	100	90 - 110	P	07/09/2025	18:54	LB136407
	Vanadium	2510	2500	101	90 - 110	P	07/09/2025	18:54	LB136407
	Zinc	2490	2500	100	90 - 110	P	07/09/2025	18:54	LB136407
CCV09	Aluminum	9970	10000	100	90 - 110	P	07/09/2025	19:48	LB136407
	Antimony	5030	5000	101	90 - 110	P	07/09/2025	19:48	LB136407
	Arsenic	4800	5000	96	90 - 110	P	07/09/2025	19:48	LB136407
	Barium	10400	10000	104	90 - 110	P	07/09/2025	19:48	LB136407
	Beryllium	255	250	102	90 - 110	P	07/09/2025	19:48	LB136407
	Cadmium	2450	2500	98	90 - 110	P	07/09/2025	19:48	LB136407
	Calcium	25400	25000	102	90 - 110	P	07/09/2025	19:48	LB136407
	Chromium	983	1000	98	90 - 110	P	07/09/2025	19:48	LB136407
	Cobalt	2390	2500	96	90 - 110	P	07/09/2025	19:48	LB136407
	Copper	1260	1250	101	90 - 110	P	07/09/2025	19:48	LB136407
	Iron	5050	5000	101	90 - 110	P	07/09/2025	19:48	LB136407
	Lead	4870	5000	97	90 - 110	P	07/09/2025	19:48	LB136407
	Magnesium	24400	25000	98	90 - 110	P	07/09/2025	19:48	LB136407
	Manganese	2550	2500	102	90 - 110	P	07/09/2025	19:48	LB136407
	Nickel	2410	2500	97	90 - 110	P	07/09/2025	19:48	LB136407
	Potassium	23800	25000	95	90 - 110	P	07/09/2025	19:48	LB136407
	Selenium	5080	5000	102	90 - 110	P	07/09/2025	19:48	LB136407
	Silver	1250	1250	100	90 - 110	P	07/09/2025	19:48	LB136407
	Sodium	23700	25000	95	90 - 110	P	07/09/2025	19:48	LB136407
	Thallium	5120	5000	102	90 - 110	P	07/09/2025	19:48	LB136407
	Vanadium	2540	2500	102	90 - 110	P	07/09/2025	19:48	LB136407
	Zinc	2540	2500	101	90 - 110	P	07/09/2025	19:48	LB136407
CCV10	Aluminum	10100	10000	101	90 - 110	P	07/09/2025	20:41	LB136407
	Antimony	5140	5000	103	90 - 110	P	07/09/2025	20:41	LB136407
	Arsenic	4910	5000	98	90 - 110	P	07/09/2025	20:41	LB136407
	Barium	10600	10000	106	90 - 110	P	07/09/2025	20:41	LB136407
	Beryllium	260	250	104	90 - 110	P	07/09/2025	20:41	LB136407
	Cadmium	2510	2500	100	90 - 110	P	07/09/2025	20:41	LB136407

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith **SDG No.:** Q2514

Contract: CAMP02 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV10	Calcium	25900	25000	103	90 - 110	P	07/09/2025	20:41	LB136407
	Chromium	1010	1000	101	90 - 110	P	07/09/2025	20:41	LB136407
	Cobalt	2440	2500	98	90 - 110	P	07/09/2025	20:41	LB136407
	Copper	1280	1250	102	90 - 110	P	07/09/2025	20:41	LB136407
	Iron	5110	5000	102	90 - 110	P	07/09/2025	20:41	LB136407
	Lead	4990	5000	100	90 - 110	P	07/09/2025	20:41	LB136407
	Magnesium	24800	25000	99	90 - 110	P	07/09/2025	20:41	LB136407
	Manganese	2610	2500	104	90 - 110	P	07/09/2025	20:41	LB136407
	Nickel	2470	2500	99	90 - 110	P	07/09/2025	20:41	LB136407
	Potassium	24600	25000	98	90 - 110	P	07/09/2025	20:41	LB136407
	Selenium	5200	5000	104	90 - 110	P	07/09/2025	20:41	LB136407
	Silver	1270	1250	102	90 - 110	P	07/09/2025	20:41	LB136407
	Sodium	24200	25000	97	90 - 110	P	07/09/2025	20:41	LB136407
	Thallium	5230	5000	105	90 - 110	P	07/09/2025	20:41	LB136407
	Vanadium	2590	2500	104	90 - 110	P	07/09/2025	20:41	LB136407
	Zinc	2610	2500	104	90 - 110	P	07/09/2025	20:41	LB136407
CCV11	Aluminum	10000	10000	100	90 - 110	P	07/09/2025	21:12	LB136407
	Antimony	4990	5000	100	90 - 110	P	07/09/2025	21:12	LB136407
	Arsenic	4740	5000	95	90 - 110	P	07/09/2025	21:12	LB136407
	Barium	10400	10000	104	90 - 110	P	07/09/2025	21:12	LB136407
	Beryllium	257	250	103	90 - 110	P	07/09/2025	21:12	LB136407
	Cadmium	2420	2500	97	90 - 110	P	07/09/2025	21:12	LB136407
	Calcium	25300	25000	101	90 - 110	P	07/09/2025	21:12	LB136407
	Chromium	975	1000	98	90 - 110	P	07/09/2025	21:12	LB136407
	Cobalt	2360	2500	95	90 - 110	P	07/09/2025	21:12	LB136407
	Copper	1260	1250	101	90 - 110	P	07/09/2025	21:12	LB136407
	Iron	5070	5000	101	90 - 110	P	07/09/2025	21:12	LB136407
	Lead	4820	5000	96	90 - 110	P	07/09/2025	21:12	LB136407
	Magnesium	24400	25000	98	90 - 110	P	07/09/2025	21:12	LB136407
	Manganese	2560	2500	102	90 - 110	P	07/09/2025	21:12	LB136407
	Nickel	2390	2500	96	90 - 110	P	07/09/2025	21:12	LB136407
	Potassium	23900	25000	96	90 - 110	P	07/09/2025	21:12	LB136407
	Selenium	5050	5000	101	90 - 110	P	07/09/2025	21:12	LB136407
	Silver	1240	1250	99	90 - 110	P	07/09/2025	21:12	LB136407

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith **SDG No.:** Q2514

Contract: CAMP02 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV11	Sodium	23800	25000	95	90 - 110	P	07/09/2025	21:12	LB136407
	Thallium	5060	5000	101	90 - 110	P	07/09/2025	21:12	LB136407
	Vanadium	2550	2500	102	90 - 110	P	07/09/2025	21:12	LB136407
	Zinc	2540	2500	102	90 - 110	P	07/09/2025	21:12	LB136407

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith **SDG No.:** Q2514

Contract: CAMP02 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Aluminum	7800	8000	98	90 - 110	P	07/10/2025	18:39	LB136434
	Antimony	4020	4000	100	90 - 110	P	07/10/2025	18:39	LB136434
	Arsenic	3950	4000	99	90 - 110	P	07/10/2025	18:39	LB136434
	Barium	7860	8000	98	90 - 110	P	07/10/2025	18:39	LB136434
	Beryllium	209	200	105	90 - 110	P	07/10/2025	18:39	LB136434
	Cadmium	2050	2000	103	90 - 110	P	07/10/2025	18:39	LB136434
	Calcium	19800	20000	99	90 - 110	P	07/10/2025	18:39	LB136434
	Chromium	800	800	100	90 - 110	P	07/10/2025	18:39	LB136434
	Cobalt	1910	2000	96	90 - 110	P	07/10/2025	18:39	LB136434
	Copper	1040	1000	104	90 - 110	P	07/10/2025	18:39	LB136434
	Iron	4100	4000	103	90 - 110	P	07/10/2025	18:39	LB136434
	Lead	4060	4000	101	90 - 110	P	07/10/2025	18:39	LB136434
	Magnesium	20300	20000	102	90 - 110	P	07/10/2025	18:39	LB136434
	Manganese	1980	2000	99	90 - 110	P	07/10/2025	18:39	LB136434
	Nickel	1990	2000	99	90 - 110	P	07/10/2025	18:39	LB136434
	Potassium	18600	20000	93	90 - 110	P	07/10/2025	18:39	LB136434
	Selenium	4190	4000	105	90 - 110	P	07/10/2025	18:39	LB136434
	Silver	911	1000	91	90 - 110	P	07/10/2025	18:39	LB136434
	Sodium	19200	20000	96	90 - 110	P	07/10/2025	18:39	LB136434
	Thallium	4110	4000	103	90 - 110	P	07/10/2025	18:39	LB136434
	Vanadium	2000	2000	100	90 - 110	P	07/10/2025	18:39	LB136434
	Zinc	1990	2000	100	90 - 110	P	07/10/2025	18:39	LB136434

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith **SDG No.:** Q2514

Contract: CAMP02 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Aluminum	97.2	100	97	80 - 120	P	07/10/2025	18:51	LB136434
	Antimony	54.4	50.0	109	80 - 120	P	07/10/2025	18:51	LB136434
	Arsenic	21.2	20.0	106	80 - 120	P	07/10/2025	18:51	LB136434
	Barium	98.6	100	99	80 - 120	P	07/10/2025	18:51	LB136434
	Beryllium	6.44	6.0	107	80 - 120	P	07/10/2025	18:51	LB136434
	Cadmium	5.61	6.0	93	80 - 120	P	07/10/2025	18:51	LB136434
	Calcium	2140	2000	107	80 - 120	P	07/10/2025	18:51	LB136434
	Chromium	10.5	10.0	105	80 - 120	P	07/10/2025	18:51	LB136434
	Cobalt	29.4	30.0	98	80 - 120	P	07/10/2025	18:51	LB136434
	Copper	21.6	20.0	108	80 - 120	P	07/10/2025	18:51	LB136434
	Iron	118	100	118	80 - 120	P	07/10/2025	18:51	LB136434
	Lead	13.2	12.0	110	80 - 120	P	07/10/2025	18:51	LB136434
	Magnesium	2260	2000	113	80 - 120	P	07/10/2025	18:51	LB136434
	Manganese	22.9	20.0	114	80 - 120	P	07/10/2025	18:51	LB136434
	Nickel	39.6	40.0	99	80 - 120	P	07/10/2025	18:51	LB136434
	Potassium	1810	2000	91	80 - 120	P	07/10/2025	18:51	LB136434
	Selenium	20.6	20.0	103	80 - 120	P	07/10/2025	18:51	LB136434
	Silver	10.9	10.0	110	80 - 120	P	07/10/2025	18:51	LB136434
	Sodium	1810	2000	90	80 - 120	P	07/10/2025	18:51	LB136434
	Thallium	40.2	40.0	100	80 - 120	P	07/10/2025	18:51	LB136434
	Vanadium	38.1	40.0	95	80 - 120	P	07/10/2025	18:51	LB136434
	Zinc	46.1	40.0	115	80 - 120	P	07/10/2025	18:51	LB136434

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith **SDG No.:** Q2514

Contract: CAMP02 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Aluminum	9940	10000	99	90 - 110	P	07/10/2025	19:43	LB136434
	Antimony	5010	5000	100	90 - 110	P	07/10/2025	19:43	LB136434
	Arsenic	4910	5000	98	90 - 110	P	07/10/2025	19:43	LB136434
	Barium	10200	10000	102	90 - 110	P	07/10/2025	19:43	LB136434
	Beryllium	257	250	103	90 - 110	P	07/10/2025	19:43	LB136434
	Cadmium	2510	2500	100	90 - 110	P	07/10/2025	19:43	LB136434
	Calcium	25500	25000	102	90 - 110	P	07/10/2025	19:43	LB136434
	Chromium	1010	1000	101	90 - 110	P	07/10/2025	19:43	LB136434
	Cobalt	2470	2500	99	90 - 110	P	07/10/2025	19:43	LB136434
	Copper	1270	1250	102	90 - 110	P	07/10/2025	19:43	LB136434
	Iron	5140	5000	103	90 - 110	P	07/10/2025	19:43	LB136434
	Lead	4980	5000	100	90 - 110	P	07/10/2025	19:43	LB136434
	Magnesium	25400	25000	102	90 - 110	P	07/10/2025	19:43	LB136434
	Manganese	2550	2500	102	90 - 110	P	07/10/2025	19:43	LB136434
	Nickel	2490	2500	100	90 - 110	P	07/10/2025	19:43	LB136434
	Potassium	25600	25000	103	90 - 110	P	07/10/2025	19:43	LB136434
	Selenium	5060	5000	101	90 - 110	P	07/10/2025	19:43	LB136434
	Silver	1280	1250	103	90 - 110	P	07/10/2025	19:43	LB136434
	Sodium	25000	25000	100	90 - 110	P	07/10/2025	19:43	LB136434
	Thallium	5090	5000	102	90 - 110	P	07/10/2025	19:43	LB136434
	Vanadium	2540	2500	102	90 - 110	P	07/10/2025	19:43	LB136434
	Zinc	2500	2500	100	90 - 110	P	07/10/2025	19:43	LB136434
CCV02	Aluminum	9360	10000	94	90 - 110	P	07/10/2025	20:59	LB136434
	Antimony	4760	5000	95	90 - 110	P	07/10/2025	20:59	LB136434
	Arsenic	4640	5000	93	90 - 110	P	07/10/2025	20:59	LB136434
	Barium	9760	10000	98	90 - 110	P	07/10/2025	20:59	LB136434
	Beryllium	251	250	100	90 - 110	P	07/10/2025	20:59	LB136434
	Cadmium	2380	2500	95	90 - 110	P	07/10/2025	20:59	LB136434
	Calcium	24300	25000	97	90 - 110	P	07/10/2025	20:59	LB136434
	Chromium	962	1000	96	90 - 110	P	07/10/2025	20:59	LB136434
	Cobalt	2320	2500	93	90 - 110	P	07/10/2025	20:59	LB136434
	Copper	1230	1250	99	90 - 110	P	07/10/2025	20:59	LB136434
	Iron	5010	5000	100	90 - 110	P	07/10/2025	20:59	LB136434
	Lead	4710	5000	94	90 - 110	P	07/10/2025	20:59	LB136434

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith **SDG No.:** Q2514

Contract: CAMP02 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV02	Magnesium	24300	25000	97	90 - 110	P	07/10/2025	20:59	LB136434
	Manganese	2440	2500	98	90 - 110	P	07/10/2025	20:59	LB136434
	Nickel	2350	2500	94	90 - 110	P	07/10/2025	20:59	LB136434
	Potassium	25900	25000	104	90 - 110	P	07/10/2025	20:59	LB136434
	Selenium	4800	5000	96	90 - 110	P	07/10/2025	20:59	LB136434
	Silver	1220	1250	97	90 - 110	P	07/10/2025	20:59	LB136434
	Sodium	25000	25000	100	90 - 110	P	07/10/2025	20:59	LB136434
	Thallium	4840	5000	97	90 - 110	P	07/10/2025	20:59	LB136434
	Vanadium	2430	2500	97	90 - 110	P	07/10/2025	20:59	LB136434
	Zinc	2370	2500	95	90 - 110	P	07/10/2025	20:59	LB136434
CCV03	Aluminum	9640	10000	96	90 - 110	P	07/10/2025	22:32	LB136434
	Antimony	4880	5000	98	90 - 110	P	07/10/2025	22:32	LB136434
	Arsenic	4830	5000	96	90 - 110	P	07/10/2025	22:32	LB136434
	Barium	10000	10000	100	90 - 110	P	07/10/2025	22:32	LB136434
	Beryllium	255	250	102	90 - 110	P	07/10/2025	22:32	LB136434
	Cadmium	2480	2500	99	90 - 110	P	07/10/2025	22:32	LB136434
	Calcium	24900	25000	100	90 - 110	P	07/10/2025	22:32	LB136434
	Chromium	997	1000	100	90 - 110	P	07/10/2025	22:32	LB136434
	Cobalt	2410	2500	96	90 - 110	P	07/10/2025	22:32	LB136434
	Copper	1270	1250	102	90 - 110	P	07/10/2025	22:32	LB136434
	Iron	5140	5000	103	90 - 110	P	07/10/2025	22:32	LB136434
	Lead	4930	5000	99	90 - 110	P	07/10/2025	22:32	LB136434
	Magnesium	24800	25000	99	90 - 110	P	07/10/2025	22:32	LB136434
	Manganese	2510	2500	100	90 - 110	P	07/10/2025	22:32	LB136434
	Nickel	2440	2500	97	90 - 110	P	07/10/2025	22:32	LB136434
	Potassium	26900	25000	108	90 - 110	P	07/10/2025	22:32	LB136434
	Selenium	4940	5000	99	90 - 110	P	07/10/2025	22:32	LB136434
	Silver	1250	1250	100	90 - 110	P	07/10/2025	22:32	LB136434
	Sodium	26500	25000	106	90 - 110	P	07/10/2025	22:32	LB136434
	Thallium	4990	5000	100	90 - 110	P	07/10/2025	22:32	LB136434
	Vanadium	2490	2500	100	90 - 110	P	07/10/2025	22:32	LB136434
	Zinc	2450	2500	98	90 - 110	P	07/10/2025	22:32	LB136434
CCV04	Aluminum	9350	10000	94	90 - 110	P	07/10/2025	23:29	LB136434
	Antimony	4640	5000	93	90 - 110	P	07/10/2025	23:29	LB136434

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith **SDG No.:** Q2514

Contract: CAMP02 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV04	Arsenic	4600	5000	92	90 - 110	P	07/10/2025	23:29	LB136434
	Barium	9570	10000	96	90 - 110	P	07/10/2025	23:29	LB136434
	Beryllium	246	250	98	90 - 110	P	07/10/2025	23:29	LB136434
	Cadmium	2350	2500	94	90 - 110	P	07/10/2025	23:29	LB136434
	Calcium	23900	25000	96	90 - 110	P	07/10/2025	23:29	LB136434
	Chromium	957	1000	96	90 - 110	P	07/10/2025	23:29	LB136434
	Cobalt	2290	2500	92	90 - 110	P	07/10/2025	23:29	LB136434
	Copper	1220	1250	97	90 - 110	P	07/10/2025	23:29	LB136434
	Iron	4890	5000	98	90 - 110	P	07/10/2025	23:29	LB136434
	Lead	4690	5000	94	90 - 110	P	07/10/2025	23:29	LB136434
	Magnesium	23900	25000	96	90 - 110	P	07/10/2025	23:29	LB136434
	Manganese	2400	2500	96	90 - 110	P	07/10/2025	23:29	LB136434
	Nickel	2310	2500	92	90 - 110	P	07/10/2025	23:29	LB136434
	Potassium	25900	25000	104	90 - 110	P	07/10/2025	23:29	LB136434
	Selenium	4700	5000	94	90 - 110	P	07/10/2025	23:29	LB136434
	Silver	1200	1250	96	90 - 110	P	07/10/2025	23:29	LB136434
	Sodium	25600	25000	102	90 - 110	P	07/10/2025	23:29	LB136434
	Thallium	4730	5000	95	90 - 110	P	07/10/2025	23:29	LB136434
	Vanadium	2410	2500	96	90 - 110	P	07/10/2025	23:29	LB136434
	Zinc	2340	2500	94	90 - 110	P	07/10/2025	23:29	LB136434
CCV05	Aluminum	9510	10000	95	90 - 110	P	07/11/2025	00:47	LB136434
	Antimony	4770	5000	95	90 - 110	P	07/11/2025	00:47	LB136434
	Arsenic	4750	5000	95	90 - 110	P	07/11/2025	00:47	LB136434
	Barium	9800	10000	98	90 - 110	P	07/11/2025	00:47	LB136434
	Beryllium	250	250	100	90 - 110	P	07/11/2025	00:47	LB136434
	Cadmium	2410	2500	96	90 - 110	P	07/11/2025	00:47	LB136434
	Calcium	24200	25000	97	90 - 110	P	07/11/2025	00:47	LB136434
	Chromium	978	1000	98	90 - 110	P	07/11/2025	00:47	LB136434
	Cobalt	2370	2500	95	90 - 110	P	07/11/2025	00:47	LB136434
	Copper	1240	1250	100	90 - 110	P	07/11/2025	00:47	LB136434
	Iron	4950	5000	99	90 - 110	P	07/11/2025	00:47	LB136434
	Lead	4820	5000	96	90 - 110	P	07/11/2025	00:47	LB136434
	Magnesium	24100	25000	96	90 - 110	P	07/11/2025	00:47	LB136434
	Manganese	2460	2500	98	90 - 110	P	07/11/2025	00:47	LB136434

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith **SDG No.:** Q2514

Contract: CAMP02 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV05	Nickel	2370	2500	95	90 - 110	P	07/11/2025	00:47	LB136434
	Potassium	27100	25000	108	90 - 110	P	07/11/2025	00:47	LB136434
	Selenium	4790	5000	96	90 - 110	P	07/11/2025	00:47	LB136434
	Silver	1220	1250	97	90 - 110	P	07/11/2025	00:47	LB136434
	Sodium	26600	25000	106	90 - 110	P	07/11/2025	00:47	LB136434
	Thallium	4840	5000	97	90 - 110	P	07/11/2025	00:47	LB136434
	Vanadium	2470	2500	99	90 - 110	P	07/11/2025	00:47	LB136434
	Zinc	2430	2500	97	90 - 110	P	07/11/2025	00:47	LB136434
CCV06	Aluminum	9520	10000	95	90 - 110	P	07/11/2025	01:47	LB136434
	Antimony	4790	5000	96	90 - 110	P	07/11/2025	01:47	LB136434
	Arsenic	4780	5000	96	90 - 110	P	07/11/2025	01:47	LB136434
	Barium	9810	10000	98	90 - 110	P	07/11/2025	01:47	LB136434
	Beryllium	248	250	99	90 - 110	P	07/11/2025	01:47	LB136434
	Cadmium	2410	2500	96	90 - 110	P	07/11/2025	01:47	LB136434
	Calcium	24100	25000	97	90 - 110	P	07/11/2025	01:47	LB136434
	Chromium	978	1000	98	90 - 110	P	07/11/2025	01:47	LB136434
	Cobalt	2370	2500	95	90 - 110	P	07/11/2025	01:47	LB136434
	Copper	1240	1250	99	90 - 110	P	07/11/2025	01:47	LB136434
	Iron	4890	5000	98	90 - 110	P	07/11/2025	01:47	LB136434
	Lead	4820	5000	96	90 - 110	P	07/11/2025	01:47	LB136434
	Magnesium	24200	25000	97	90 - 110	P	07/11/2025	01:47	LB136434
	Manganese	2440	2500	98	90 - 110	P	07/11/2025	01:47	LB136434
	Nickel	2370	2500	95	90 - 110	P	07/11/2025	01:47	LB136434
	Potassium	26200	25000	105	90 - 110	P	07/11/2025	01:47	LB136434
	Selenium	4810	5000	96	90 - 110	P	07/11/2025	01:47	LB136434
	Silver	1220	1250	97	90 - 110	P	07/11/2025	01:47	LB136434
	Sodium	26400	25000	106	90 - 110	P	07/11/2025	01:47	LB136434
	Thallium	4840	5000	97	90 - 110	P	07/11/2025	01:47	LB136434
	Vanadium	2470	2500	99	90 - 110	P	07/11/2025	01:47	LB136434
	Zinc	2440	2500	98	90 - 110	P	07/11/2025	01:47	LB136434
CCV07	Aluminum	9390	10000	94	90 - 110	P	07/11/2025	03:17	LB136434
	Antimony	4710	5000	94	90 - 110	P	07/11/2025	03:17	LB136434
	Arsenic	4640	5000	93	90 - 110	P	07/11/2025	03:17	LB136434
	Barium	9540	10000	95	90 - 110	P	07/11/2025	03:17	LB136434

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Metals

- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith **SDG No.:** Q2514

Contract: CAMP02 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV07	Beryllium	236	250	95	90 - 110	P	07/11/2025	03:17	LB136434
	Cadmium	2330	2500	93	90 - 110	P	07/11/2025	03:17	LB136434
	Calcium	23700	25000	95	90 - 110	P	07/11/2025	03:17	LB136434
	Chromium	961	1000	96	90 - 110	P	07/11/2025	03:17	LB136434
	Cobalt	2330	2500	93	90 - 110	P	07/11/2025	03:17	LB136434
	Copper	1180	1250	94	90 - 110	P	07/11/2025	03:17	LB136434
	Iron	4630	5000	93	90 - 110	P	07/11/2025	03:17	LB136434
	Lead	4670	5000	93	90 - 110	P	07/11/2025	03:17	LB136434
	Magnesium	23600	25000	94	90 - 110	P	07/11/2025	03:17	LB136434
	Manganese	2400	2500	96	90 - 110	P	07/11/2025	03:17	LB136434
	Nickel	2320	2500	93	90 - 110	P	07/11/2025	03:17	LB136434
	Potassium	23800	25000	95	90 - 110	P	07/11/2025	03:17	LB136434
	Selenium	4670	5000	94	90 - 110	P	07/11/2025	03:17	LB136434
	Silver	1200	1250	96	90 - 110	P	07/11/2025	03:17	LB136434
	Sodium	24200	25000	97	90 - 110	P	07/11/2025	03:17	LB136434
	Thallium	4710	5000	94	90 - 110	P	07/11/2025	03:17	LB136434
	Vanadium	2420	2500	97	90 - 110	P	07/11/2025	03:17	LB136434
	Zinc	2380	2500	95	90 - 110	P	07/11/2025	03:17	LB136434
CCV08	Aluminum	9520	10000	95	90 - 110	P	07/11/2025	04:18	LB136434
	Antimony	4760	5000	95	90 - 110	P	07/11/2025	04:18	LB136434
	Arsenic	4790	5000	96	90 - 110	P	07/11/2025	04:18	LB136434
	Barium	9730	10000	97	90 - 110	P	07/11/2025	04:18	LB136434
	Beryllium	244	250	98	90 - 110	P	07/11/2025	04:18	LB136434
	Cadmium	2400	2500	96	90 - 110	P	07/11/2025	04:18	LB136434
	Calcium	23800	25000	95	90 - 110	P	07/11/2025	04:18	LB136434
	Chromium	987	1000	99	90 - 110	P	07/11/2025	04:18	LB136434
	Cobalt	2390	2500	96	90 - 110	P	07/11/2025	04:18	LB136434
	Copper	1220	1250	98	90 - 110	P	07/11/2025	04:18	LB136434
	Iron	4780	5000	96	90 - 110	P	07/11/2025	04:18	LB136434
	Lead	4820	5000	96	90 - 110	P	07/11/2025	04:18	LB136434
	Magnesium	23700	25000	95	90 - 110	P	07/11/2025	04:18	LB136434
	Manganese	2430	2500	97	90 - 110	P	07/11/2025	04:18	LB136434
	Nickel	2370	2500	95	90 - 110	P	07/11/2025	04:18	LB136434
	Potassium	26600	25000	106	90 - 110	P	07/11/2025	04:18	LB136434

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- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith **SDG No.:** Q2514

Contract: CAMP02 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV08	Selenium	4720	5000	94	90 - 110	P	07/11/2025	04:18	LB136434
	Silver	1220	1250	98	90 - 110	P	07/11/2025	04:18	LB136434
	Sodium	26800	25000	107	90 - 110	P	07/11/2025	04:18	LB136434
	Thallium	4790	5000	96	90 - 110	P	07/11/2025	04:18	LB136434
	Vanadium	2470	2500	99	90 - 110	P	07/11/2025	04:18	LB136434
	Zinc	2440	2500	98	90 - 110	P	07/11/2025	04:18	LB136434
CCV09	Aluminum	9800	10000	98	90 - 110	P	07/11/2025	05:19	LB136434
	Antimony	4830	5000	96	90 - 110	P	07/11/2025	05:19	LB136434
	Arsenic	4770	5000	96	90 - 110	P	07/11/2025	05:19	LB136434
	Barium	9960	10000	100	90 - 110	P	07/11/2025	05:19	LB136434
	Beryllium	246	250	99	90 - 110	P	07/11/2025	05:19	LB136434
	Cadmium	2380	2500	95	90 - 110	P	07/11/2025	05:19	LB136434
	Calcium	24400	25000	97	90 - 110	P	07/11/2025	05:19	LB136434
	Chromium	1000	1000	100	90 - 110	P	07/11/2025	05:19	LB136434
	Cobalt	2400	2500	96	90 - 110	P	07/11/2025	05:19	LB136434
	Copper	1250	1250	100	90 - 110	P	07/11/2025	05:19	LB136434
	Iron	4810	5000	96	90 - 110	P	07/11/2025	05:19	LB136434
	Lead	4770	5000	96	90 - 110	P	07/11/2025	05:19	LB136434
	Magnesium	24200	25000	97	90 - 110	P	07/11/2025	05:19	LB136434
	Manganese	2490	2500	100	90 - 110	P	07/11/2025	05:19	LB136434
	Nickel	2370	2500	95	90 - 110	P	07/11/2025	05:19	LB136434
	Potassium	25600	25000	102	90 - 110	P	07/11/2025	05:19	LB136434
	Selenium	4720	5000	94	90 - 110	P	07/11/2025	05:19	LB136434
	Silver	1240	1250	99	90 - 110	P	07/11/2025	05:19	LB136434
	Sodium	26100	25000	104	90 - 110	P	07/11/2025	05:19	LB136434
	Thallium	4770	5000	96	90 - 110	P	07/11/2025	05:19	LB136434
	Vanadium	2540	2500	102	90 - 110	P	07/11/2025	05:19	LB136434
	Zinc	2500	2500	100	90 - 110	P	07/11/2025	05:19	LB136434
CCV10	Aluminum	9570	10000	96	90 - 110	P	07/11/2025	06:16	LB136434
	Antimony	4770	5000	95	90 - 110	P	07/11/2025	06:16	LB136434
	Arsenic	4790	5000	96	90 - 110	P	07/11/2025	06:16	LB136434
	Barium	9830	10000	98	90 - 110	P	07/11/2025	06:16	LB136434
	Beryllium	242	250	97	90 - 110	P	07/11/2025	06:16	LB136434
	Cadmium	2390	2500	96	90 - 110	P	07/11/2025	06:16	LB136434

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith **SDG No.:** Q2514

Contract: CAMP02 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV10	Calcium	23700	25000	95	90 - 110	P	07/11/2025	06:16	LB136434
	Chromium	988	1000	99	90 - 110	P	07/11/2025	06:16	LB136434
	Cobalt	2390	2500	96	90 - 110	P	07/11/2025	06:16	LB136434
	Copper	1220	1250	98	90 - 110	P	07/11/2025	06:16	LB136434
	Iron	4700	5000	94	90 - 110	P	07/11/2025	06:16	LB136434
	Lead	4800	5000	96	90 - 110	P	07/11/2025	06:16	LB136434
	Magnesium	23600	25000	94	90 - 110	P	07/11/2025	06:16	LB136434
	Manganese	2440	2500	98	90 - 110	P	07/11/2025	06:16	LB136434
	Nickel	2360	2500	94	90 - 110	P	07/11/2025	06:16	LB136434
	Potassium	26000	25000	104	90 - 110	P	07/11/2025	06:16	LB136434
	Selenium	4710	5000	94	90 - 110	P	07/11/2025	06:16	LB136434
	Silver	1210	1250	97	90 - 110	P	07/11/2025	06:16	LB136434
	Sodium	26700	25000	107	90 - 110	P	07/11/2025	06:16	LB136434
	Thallium	4770	5000	95	90 - 110	P	07/11/2025	06:16	LB136434
	Vanadium	2490	2500	100	90 - 110	P	07/11/2025	06:16	LB136434
	Zinc	2470	2500	99	90 - 110	P	07/11/2025	06:16	LB136434
CCV11	Aluminum	9570	10000	96	90 - 110	P	07/11/2025	06:43	LB136434
	Antimony	4730	5000	95	90 - 110	P	07/11/2025	06:43	LB136434
	Arsenic	4750	5000	95	90 - 110	P	07/11/2025	06:43	LB136434
	Barium	9790	10000	98	90 - 110	P	07/11/2025	06:43	LB136434
	Beryllium	241	250	96	90 - 110	P	07/11/2025	06:43	LB136434
	Cadmium	2370	2500	95	90 - 110	P	07/11/2025	06:43	LB136434
	Calcium	23900	25000	95	90 - 110	P	07/11/2025	06:43	LB136434
	Chromium	982	1000	98	90 - 110	P	07/11/2025	06:43	LB136434
	Cobalt	2370	2500	95	90 - 110	P	07/11/2025	06:43	LB136434
	Copper	1210	1250	97	90 - 110	P	07/11/2025	06:43	LB136434
	Iron	4700	5000	94	90 - 110	P	07/11/2025	06:43	LB136434
	Lead	4770	5000	95	90 - 110	P	07/11/2025	06:43	LB136434
	Magnesium	23700	25000	95	90 - 110	P	07/11/2025	06:43	LB136434
	Manganese	2440	2500	98	90 - 110	P	07/11/2025	06:43	LB136434
	Nickel	2340	2500	94	90 - 110	P	07/11/2025	06:43	LB136434
	Potassium	25900	25000	103	90 - 110	P	07/11/2025	06:43	LB136434
	Selenium	4660	5000	93	90 - 110	P	07/11/2025	06:43	LB136434
	Silver	1210	1250	97	90 - 110	P	07/11/2025	06:43	LB136434

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith **SDG No.:** Q2514

Contract: CAMP02 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV11	Sodium	26400	25000	106	90 - 110	P	07/11/2025	06:43	LB136434
	Thallium	4710	5000	94	90 - 110	P	07/11/2025	06:43	LB136434
	Vanadium	2460	2500	98	90 - 110	P	07/11/2025	06:43	LB136434
	Zinc	2440	2500	98	90 - 110	P	07/11/2025	06:43	LB136434

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith **SDG No.:** Q2514

Contract: CAMP02 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Aluminum	7880	8000	98	90 - 110	P	07/17/2025	14:14	LB136534
	Antimony	4110	4000	103	90 - 110	P	07/17/2025	14:14	LB136534
	Arsenic	3840	4000	96	90 - 110	P	07/17/2025	14:14	LB136534
	Barium	8020	8000	100	90 - 110	P	07/17/2025	14:14	LB136534
	Beryllium	200	200	100	90 - 110	P	07/17/2025	14:14	LB136534
	Cadmium	1950	2000	97	90 - 110	P	07/17/2025	14:14	LB136534
	Calcium	19900	20000	99	90 - 110	P	07/17/2025	14:14	LB136534
	Chromium	791	800	99	90 - 110	P	07/17/2025	14:14	LB136534
	Cobalt	2000	2000	100	90 - 110	P	07/17/2025	14:14	LB136534
	Copper	1020	1000	102	90 - 110	P	07/17/2025	14:14	LB136534
	Iron	3850	4000	96	90 - 110	P	07/17/2025	14:14	LB136534
	Lead	3860	4000	96	90 - 110	P	07/17/2025	14:14	LB136534
	Magnesium	20100	20000	101	90 - 110	P	07/17/2025	14:14	LB136534
	Manganese	2000	2000	100	90 - 110	P	07/17/2025	14:14	LB136534
	Nickel	1990	2000	99	90 - 110	P	07/17/2025	14:14	LB136534
	Potassium	18100	20000	91	90 - 110	P	07/17/2025	14:14	LB136534
	Selenium	3940	4000	98	90 - 110	P	07/17/2025	14:14	LB136534
	Silver	936	1000	94	90 - 110	P	07/17/2025	14:14	LB136534
	Sodium	18700	20000	94	90 - 110	P	07/17/2025	14:14	LB136534
	Thallium	3850	4000	96	90 - 110	P	07/17/2025	14:14	LB136534
	Vanadium	2000	2000	100	90 - 110	P	07/17/2025	14:14	LB136534
	Zinc	2010	2000	100	90 - 110	P	07/17/2025	14:14	LB136534

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith **SDG No.:** Q2514

Contract: CAMP02 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Aluminum	119	100	119	80 - 120	P	07/17/2025	14:24	LB136534
	Antimony	52.4	50.0	105	80 - 120	P	07/17/2025	14:24	LB136534
	Arsenic	16.9	20.0	84	80 - 120	P	07/17/2025	14:24	LB136534
	Barium	102	100	102	80 - 120	P	07/17/2025	14:24	LB136534
	Beryllium	6.21	6.0	104	80 - 120	P	07/17/2025	14:24	LB136534
	Cadmium	5.65	6.0	94	80 - 120	P	07/17/2025	14:24	LB136534
	Calcium	2050	2000	103	80 - 120	P	07/17/2025	14:24	LB136534
	Chromium	10.2	10.0	102	80 - 120	P	07/17/2025	14:24	LB136534
	Cobalt	30.3	30.0	101	80 - 120	P	07/17/2025	14:24	LB136534
	Copper	21.3	20.0	107	80 - 120	P	07/17/2025	14:24	LB136534
	Iron	110	100	110	80 - 120	P	07/17/2025	14:24	LB136534
	Lead	10.9	12.0	91	80 - 120	P	07/17/2025	14:24	LB136534
	Magnesium	2220	2000	111	80 - 120	P	07/17/2025	14:24	LB136534
	Manganese	21.1	20.0	106	80 - 120	P	07/17/2025	14:24	LB136534
	Nickel	39.7	40.0	99	80 - 120	P	07/17/2025	14:24	LB136534
	Potassium	1740	2000	87	80 - 120	P	07/17/2025	14:24	LB136534
	Selenium	17.6	20.0	88	80 - 120	P	07/17/2025	14:24	LB136534
	Silver	10.5	10.0	105	80 - 120	P	07/17/2025	14:24	LB136534
	Sodium	1750	2000	87	80 - 120	P	07/17/2025	14:24	LB136534
	Thallium	41.1	40.0	103	80 - 120	P	07/17/2025	14:24	LB136534
	Vanadium	40.0	40.0	100	80 - 120	P	07/17/2025	14:24	LB136534
	Zinc	42.6	40.0	106	80 - 120	P	07/17/2025	14:24	LB136534

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith **SDG No.:** Q2514

Contract: CAMP02 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Aluminum	9950	10000	100	90 - 110	P	07/17/2025	14:56	LB136534
	Antimony	5020	5000	100	90 - 110	P	07/17/2025	14:56	LB136534
	Arsenic	4950	5000	99	90 - 110	P	07/17/2025	14:56	LB136534
	Barium	10100	10000	101	90 - 110	P	07/17/2025	14:56	LB136534
	Beryllium	254	250	102	90 - 110	P	07/17/2025	14:56	LB136534
	Cadmium	2500	2500	100	90 - 110	P	07/17/2025	14:56	LB136534
	Calcium	25100	25000	101	90 - 110	P	07/17/2025	14:56	LB136534
	Chromium	1020	1000	102	90 - 110	P	07/17/2025	14:56	LB136534
	Cobalt	2500	2500	100	90 - 110	P	07/17/2025	14:56	LB136534
	Copper	1260	1250	101	90 - 110	P	07/17/2025	14:56	LB136534
	Iron	5020	5000	100	90 - 110	P	07/17/2025	14:56	LB136534
	Lead	4990	5000	100	90 - 110	P	07/17/2025	14:56	LB136534
	Magnesium	25100	25000	100	90 - 110	P	07/17/2025	14:56	LB136534
	Manganese	2510	2500	100	90 - 110	P	07/17/2025	14:56	LB136534
	Nickel	2500	2500	100	90 - 110	P	07/17/2025	14:56	LB136534
	Potassium	25400	25000	102	90 - 110	P	07/17/2025	14:56	LB136534
	Selenium	5010	5000	100	90 - 110	P	07/17/2025	14:56	LB136534
	Silver	1270	1250	102	90 - 110	P	07/17/2025	14:56	LB136534
	Sodium	25400	25000	102	90 - 110	P	07/17/2025	14:56	LB136534
	Thallium	5050	5000	101	90 - 110	P	07/17/2025	14:56	LB136534
	Vanadium	2510	2500	100	90 - 110	P	07/17/2025	14:56	LB136534
	Zinc	2520	2500	101	90 - 110	P	07/17/2025	14:56	LB136534
CCV02	Aluminum	9800	10000	98	90 - 110	P	07/17/2025	15:44	LB136534
	Antimony	4760	5000	95	90 - 110	P	07/17/2025	15:44	LB136534
	Arsenic	4730	5000	95	90 - 110	P	07/17/2025	15:44	LB136534
	Barium	9920	10000	99	90 - 110	P	07/17/2025	15:44	LB136534
	Beryllium	250	250	100	90 - 110	P	07/17/2025	15:44	LB136534
	Cadmium	2410	2500	96	90 - 110	P	07/17/2025	15:44	LB136534
	Calcium	24700	25000	99	90 - 110	P	07/17/2025	15:44	LB136534
	Chromium	986	1000	99	90 - 110	P	07/17/2025	15:44	LB136534
	Cobalt	2390	2500	96	90 - 110	P	07/17/2025	15:44	LB136534
	Copper	1240	1250	100	90 - 110	P	07/17/2025	15:44	LB136534
	Iron	4950	5000	99	90 - 110	P	07/17/2025	15:44	LB136534
	Lead	4810	5000	96	90 - 110	P	07/17/2025	15:44	LB136534

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Metals

- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith **SDG No.:** Q2514

Contract: CAMP02 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV02	Magnesium	24500	25000	98	90 - 110	P	07/17/2025	15:44	LB136534
	Manganese	2470	2500	99	90 - 110	P	07/17/2025	15:44	LB136534
	Nickel	2400	2500	96	90 - 110	P	07/17/2025	15:44	LB136534
	Potassium	24700	25000	99	90 - 110	P	07/17/2025	15:44	LB136534
	Selenium	4770	5000	95	90 - 110	P	07/17/2025	15:44	LB136534
	Silver	1230	1250	98	90 - 110	P	07/17/2025	15:44	LB136534
	Sodium	24900	25000	100	90 - 110	P	07/17/2025	15:44	LB136534
	Thallium	4820	5000	96	90 - 110	P	07/17/2025	15:44	LB136534
	Vanadium	2450	2500	98	90 - 110	P	07/17/2025	15:44	LB136534
	Zinc	2440	2500	98	90 - 110	P	07/17/2025	15:44	LB136534
CCV03	Aluminum	10100	10000	101	90 - 110	P	07/17/2025	17:18	LB136534
	Antimony	4980	5000	100	90 - 110	P	07/17/2025	17:18	LB136534
	Arsenic	4960	5000	99	90 - 110	P	07/17/2025	17:18	LB136534
	Barium	10100	10000	101	90 - 110	P	07/17/2025	17:18	LB136534
	Beryllium	258	250	103	90 - 110	P	07/17/2025	17:18	LB136534
	Cadmium	2520	2500	101	90 - 110	P	07/17/2025	17:18	LB136534
	Calcium	25300	25000	101	90 - 110	P	07/17/2025	17:18	LB136534
	Chromium	1020	1000	102	90 - 110	P	07/17/2025	17:18	LB136534
	Cobalt	2510	2500	100	90 - 110	P	07/17/2025	17:18	LB136534
	Copper	1280	1250	103	90 - 110	P	07/17/2025	17:18	LB136534
	Iron	5110	5000	102	90 - 110	P	07/17/2025	17:18	LB136534
	Lead	5040	5000	101	90 - 110	P	07/17/2025	17:18	LB136534
	Magnesium	25000	25000	100	90 - 110	P	07/17/2025	17:18	LB136534
	Manganese	2510	2500	100	90 - 110	P	07/17/2025	17:18	LB136534
	Nickel	2510	2500	100	90 - 110	P	07/17/2025	17:18	LB136534
	Potassium	25600	25000	102	90 - 110	P	07/17/2025	17:18	LB136534
	Selenium	4980	5000	100	90 - 110	P	07/17/2025	17:18	LB136534
	Silver	1270	1250	101	90 - 110	P	07/17/2025	17:18	LB136534
	Sodium	25800	25000	103	90 - 110	P	07/17/2025	17:18	LB136534
	Thallium	5050	5000	101	90 - 110	P	07/17/2025	17:18	LB136534
	Vanadium	2510	2500	100	90 - 110	P	07/17/2025	17:18	LB136534
	Zinc	2500	2500	100	90 - 110	P	07/17/2025	17:18	LB136534
CCV04	Aluminum	10000	10000	100	90 - 110	P	07/17/2025	18:45	LB136534
	Antimony	4990	5000	100	90 - 110	P	07/17/2025	18:45	LB136534

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Metals

- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith **SDG No.:** Q2514

Contract: CAMP02 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV04	Arsenic	4880	5000	98	90 - 110	P	07/17/2025	18:45	LB136534
	Barium	10200	10000	102	90 - 110	P	07/17/2025	18:45	LB136534
	Beryllium	246	250	98	90 - 110	P	07/17/2025	18:45	LB136534
	Cadmium	2470	2500	99	90 - 110	P	07/17/2025	18:45	LB136534
	Calcium	25000	25000	100	90 - 110	P	07/17/2025	18:45	LB136534
	Chromium	1010	1000	101	90 - 110	P	07/17/2025	18:45	LB136534
	Cobalt	2480	2500	99	90 - 110	P	07/17/2025	18:45	LB136534
	Copper	1240	1250	99	90 - 110	P	07/17/2025	18:45	LB136534
	Iron	4990	5000	100	90 - 110	P	07/17/2025	18:45	LB136534
	Lead	4940	5000	99	90 - 110	P	07/17/2025	18:45	LB136534
	Magnesium	24600	25000	98	90 - 110	P	07/17/2025	18:45	LB136534
	Manganese	2450	2500	98	90 - 110	P	07/17/2025	18:45	LB136534
	Nickel	2490	2500	100	90 - 110	P	07/17/2025	18:45	LB136534
	Potassium	23500	25000	94	90 - 110	P	07/17/2025	18:45	LB136534
	Selenium	4950	5000	99	90 - 110	P	07/17/2025	18:45	LB136534
	Silver	1240	1250	99	90 - 110	P	07/17/2025	18:45	LB136534
	Sodium	24000	25000	96	90 - 110	P	07/17/2025	18:45	LB136534
	Thallium	4990	5000	100	90 - 110	P	07/17/2025	18:45	LB136534
	Vanadium	2470	2500	99	90 - 110	P	07/17/2025	18:45	LB136534
	Zinc	2490	2500	100	90 - 110	P	07/17/2025	18:45	LB136534
CCV05	Aluminum	10100	10000	101	90 - 110	P	07/17/2025	20:11	LB136534
	Antimony	4990	5000	100	90 - 110	P	07/17/2025	20:11	LB136534
	Arsenic	5000	5000	100	90 - 110	P	07/17/2025	20:11	LB136534
	Barium	10300	10000	103	90 - 110	P	07/17/2025	20:11	LB136534
	Beryllium	247	250	99	90 - 110	P	07/17/2025	20:11	LB136534
	Cadmium	2550	2500	102	90 - 110	P	07/17/2025	20:11	LB136534
	Calcium	25200	25000	101	90 - 110	P	07/17/2025	20:11	LB136534
	Chromium	1010	1000	101	90 - 110	P	07/17/2025	20:11	LB136534
	Cobalt	2510	2500	100	90 - 110	P	07/17/2025	20:11	LB136534
	Copper	1240	1250	99	90 - 110	P	07/17/2025	20:11	LB136534
	Iron	5000	5000	100	90 - 110	P	07/17/2025	20:11	LB136534
	Lead	5070	5000	101	90 - 110	P	07/17/2025	20:11	LB136534
	Magnesium	24600	25000	99	90 - 110	P	07/17/2025	20:11	LB136534
	Manganese	2470	2500	99	90 - 110	P	07/17/2025	20:11	LB136534

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith **SDG No.:** Q2514

Contract: CAMP02 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV05	Nickel	2520	2500	101	90 - 110	P	07/17/2025	20:11	LB136534
	Potassium	25100	25000	100	90 - 110	P	07/17/2025	20:11	LB136534
	Selenium	5040	5000	101	90 - 110	P	07/17/2025	20:11	LB136534
	Silver	1250	1250	100	90 - 110	P	07/17/2025	20:11	LB136534
	Sodium	25500	25000	102	90 - 110	P	07/17/2025	20:11	LB136534
	Thallium	5070	5000	101	90 - 110	P	07/17/2025	20:11	LB136534
	Vanadium	2490	2500	100	90 - 110	P	07/17/2025	20:11	LB136534
	Zinc	2500	2500	100	90 - 110	P	07/17/2025	20:11	LB136534
CCV06	Aluminum	10300	10000	103	90 - 110	P	07/17/2025	20:46	LB136534
	Antimony	4990	5000	100	90 - 110	P	07/17/2025	20:46	LB136534
	Arsenic	4910	5000	98	90 - 110	P	07/17/2025	20:46	LB136534
	Barium	10400	10000	104	90 - 110	P	07/17/2025	20:46	LB136534
	Beryllium	252	250	101	90 - 110	P	07/17/2025	20:46	LB136534
	Cadmium	2500	2500	100	90 - 110	P	07/17/2025	20:46	LB136534
	Calcium	25300	25000	101	90 - 110	P	07/17/2025	20:46	LB136534
	Chromium	1000	1000	100	90 - 110	P	07/17/2025	20:46	LB136534
	Cobalt	2480	2500	99	90 - 110	P	07/17/2025	20:46	LB136534
	Copper	1260	1250	101	90 - 110	P	07/17/2025	20:46	LB136534
	Iron	5150	5000	103	90 - 110	P	07/17/2025	20:46	LB136534
	Lead	4960	5000	99	90 - 110	P	07/17/2025	20:46	LB136534
	Magnesium	24900	25000	100	90 - 110	P	07/17/2025	20:46	LB136534
	Manganese	2490	2500	99	90 - 110	P	07/17/2025	20:46	LB136534
	Nickel	2490	2500	100	90 - 110	P	07/17/2025	20:46	LB136534
	Potassium	26800	25000	107	90 - 110	P	07/17/2025	20:46	LB136534
	Selenium	4960	5000	99	90 - 110	P	07/17/2025	20:46	LB136534
	Silver	1240	1250	99	90 - 110	P	07/17/2025	20:46	LB136534
	Sodium	25900	25000	104	90 - 110	P	07/17/2025	20:46	LB136534
	Thallium	5020	5000	100	90 - 110	P	07/17/2025	20:46	LB136534
	Vanadium	2530	2500	101	90 - 110	P	07/17/2025	20:46	LB136534
	Zinc	2510	2500	100	90 - 110	P	07/17/2025	20:46	LB136534

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Metals

- 2b -
CRDL STANDARD FOR AA & ICP

Client: CDM Smith **SDG No.:** Q2514

Contract: CAMP02 **Lab Code:** ACE

Initial Calibration Source:

Continuing Calibration Source:

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CRI01	Aluminum	114	100	114	65 - 135	P	07/09/2025	10:26	LB136407
	Antimony	53.6	50.0	107	65 - 135	P	07/09/2025	10:26	LB136407
	Arsenic	14.2	20.0	71	65 - 135	P	07/09/2025	10:26	LB136407
	Barium	104	100	104	65 - 135	P	07/09/2025	10:26	LB136407
	Beryllium	6.33	6.0	105	65 - 135	P	07/09/2025	10:26	LB136407
	Cadmium	5.51	6.0	92	65 - 135	P	07/09/2025	10:26	LB136407
	Calcium	1930	2000	96	65 - 135	P	07/09/2025	10:26	LB136407
	Chromium	10.7	10.0	107	65 - 135	P	07/09/2025	10:26	LB136407
	Cobalt	29.1	30.0	97	65 - 135	P	07/09/2025	10:26	LB136407
	Copper	24.1	20.0	120	65 - 135	P	07/09/2025	10:26	LB136407
	Iron	119	100	119	65 - 135	P	07/09/2025	10:26	LB136407
	Lead	11.5	12.0	96	65 - 135	P	07/09/2025	10:26	LB136407
	Magnesium	2060	2000	103	65 - 135	P	07/09/2025	10:26	LB136407
	Manganese	22.6	20.0	113	65 - 135	P	07/09/2025	10:26	LB136407
	Nickel	38.2	40.0	96	65 - 135	P	07/09/2025	10:26	LB136407
	Potassium	1710	2000	86	65 - 135	P	07/09/2025	10:26	LB136407
	Selenium	22.8	20.0	114	65 - 135	P	07/09/2025	10:26	LB136407
	Silver	11.6	10.0	116	65 - 135	P	07/09/2025	10:26	LB136407
	Sodium	1830	2000	92	65 - 135	P	07/09/2025	10:26	LB136407
	Thallium	38.4	40.0	96	65 - 135	P	07/09/2025	10:26	LB136407
	Vanadium	32.0	40.0	80	65 - 135	P	07/09/2025	10:26	LB136407
	Zinc	43.1	40.0	108	65 - 135	P	07/09/2025	10:26	LB136407
CRI01	Aluminum	85.6	100	86	65 - 135	P	07/10/2025	19:01	LB136434
	Antimony	51.2	50.0	102	65 - 135	P	07/10/2025	19:01	LB136434
	Arsenic	20.6	20.0	103	65 - 135	P	07/10/2025	19:01	LB136434
	Barium	96.3	100	96	65 - 135	P	07/10/2025	19:01	LB136434
	Beryllium	6.31	6.0	105	65 - 135	P	07/10/2025	19:01	LB136434
	Cadmium	5.33	6.0	89	65 - 135	P	07/10/2025	19:01	LB136434
	Calcium	2070	2000	104	65 - 135	P	07/10/2025	19:01	LB136434
	Chromium	10.5	10.0	105	65 - 135	P	07/10/2025	19:01	LB136434
	Cobalt	28.4	30.0	94	65 - 135	P	07/10/2025	19:01	LB136434
	Copper	20.6	20.0	103	65 - 135	P	07/10/2025	19:01	LB136434
	Iron	116	100	116	65 - 135	P	07/10/2025	19:01	LB136434
	Lead	12.4	12.0	103	65 - 135	P	07/10/2025	19:01	LB136434
	Magnesium	2140	2000	107	65 - 135	P	07/10/2025	19:01	LB136434
	Manganese	21.9	20.0	110	65 - 135	P	07/10/2025	19:01	LB136434

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Metals

- 2b -
CRDL STANDARD FOR AA & ICP

Client: CDM Smith **SDG No.:** Q2514

Contract: CAMP02 **Lab Code:** ACE

Initial Calibration Source:

Continuing Calibration Source:

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CRI01	Nickel	37.1	40.0	93	65 - 135	P	07/10/2025	19:01	LB136434
	Potassium	1770	2000	89	65 - 135	P	07/10/2025	19:01	LB136434
	Selenium	16.7	20.0	84	65 - 135	P	07/10/2025	19:01	LB136434
	Silver	10.5	10.0	105	65 - 135	P	07/10/2025	19:01	LB136434
	Sodium	1780	2000	89	65 - 135	P	07/10/2025	19:01	LB136434
	Thallium	37.7	40.0	94	65 - 135	P	07/10/2025	19:01	LB136434
	Vanadium	28.3	40.0	71	65 - 135	P	07/10/2025	19:01	LB136434
	Zinc	44.6	40.0	112	65 - 135	P	07/10/2025	19:01	LB136434
CRA	Mercury	0.22	0.2	109	70 - 130	CV	07/16/2025	12:06	LB136499
CRI01	Aluminum	101	100	101	65 - 135	P	07/17/2025	14:39	LB136534
	Antimony	54.0	50.0	108	65 - 135	P	07/17/2025	14:39	LB136534
	Arsenic	15.4	20.0	77	65 - 135	P	07/17/2025	14:39	LB136534
	Barium	101	100	102	65 - 135	P	07/17/2025	14:39	LB136534
	Beryllium	6.31	6.0	105	65 - 135	P	07/17/2025	14:39	LB136534
	Cadmium	5.72	6.0	95	65 - 135	P	07/17/2025	14:39	LB136534
	Calcium	2060	2000	103	65 - 135	P	07/17/2025	14:39	LB136534
	Chromium	10.2	10.0	102	65 - 135	P	07/17/2025	14:39	LB136534
	Cobalt	30.4	30.0	101	65 - 135	P	07/17/2025	14:39	LB136534
	Copper	22.2	20.0	111	65 - 135	P	07/17/2025	14:39	LB136534
	Iron	110	100	110	65 - 135	P	07/17/2025	14:39	LB136534
	Lead	11.9	12.0	99	65 - 135	P	07/17/2025	14:39	LB136534
	Magnesium	2300	2000	115	65 - 135	P	07/17/2025	14:39	LB136534
	Manganese	21.5	20.0	108	65 - 135	P	07/17/2025	14:39	LB136534
	Nickel	39.6	40.0	99	65 - 135	P	07/17/2025	14:39	LB136534
	Potassium	1760	2000	88	65 - 135	P	07/17/2025	14:39	LB136534
	Selenium	19.6	20.0	98	65 - 135	P	07/17/2025	14:39	LB136534
	Silver	9.57	10.0	96	65 - 135	P	07/17/2025	14:39	LB136534
	Sodium	1770	2000	88	65 - 135	P	07/17/2025	14:39	LB136534
	Thallium	40.3	40.0	101	65 - 135	P	07/17/2025	14:39	LB136534
	Vanadium	38.6	40.0	96	65 - 135	P	07/17/2025	14:39	LB136534
	Zinc	43.0	40.0	108	65 - 135	P	07/17/2025	14:39	LB136534

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: CDM Smith **SDG No.:** Q2514

Contract: CAMP02 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB29	Mercury	0.076	+/-0.2	U	0.20	CV	07/16/2025	11:59	LB136499

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: CDM Smith **SDG No.:** Q2514

Contract: CAMP02 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB09	Mercury	0.076	+/-0.2	U	0.20	CV	07/16/2025	12:03	LB136499
CCB10	Mercury	0.076	+/-0.2	U	0.20	CV	07/16/2025	12:43	LB136499
CCB11	Mercury	0.076	+/-0.2	U	0.20	CV	07/16/2025	13:14	LB136499
CCB12	Mercury	0.076	+/-0.2	U	0.20	CV	07/16/2025	13:42	LB136499
CCB13	Mercury	0.076	+/-0.2	U	0.20	CV	07/16/2025	14:10	LB136499
CCB14	Mercury	0.076	+/-0.2	U	0.20	CV	07/16/2025	14:28	LB136499

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: CDM Smith **SDG No.:** Q2514

Contract: CAMP02 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Aluminum	31.1	+/-50	J	100	P	07/09/2025	10:22	LB136407
	Antimony	6.76	+/-25	U	50.0	P	07/09/2025	10:22	LB136407
	Arsenic	5.12	+/-10	U	20.0	P	07/09/2025	10:22	LB136407
	Barium	14.6	+/-50	U	100	P	07/09/2025	10:22	LB136407
	Beryllium	0.56	+/-3	U	6.00	P	07/09/2025	10:22	LB136407
	Cadmium	0.50	+/-3	U	6.00	P	07/09/2025	10:22	LB136407
	Calcium	234	+/-1000	U	2000	P	07/09/2025	10:22	LB136407
	Chromium	2.12	+/-5	U	10.0	P	07/09/2025	10:22	LB136407
	Cobalt	2.26	+/-15	U	30.0	P	07/09/2025	10:22	LB136407
	Copper	4.60	+/-10	U	20.0	P	07/09/2025	10:22	LB136407
	Iron	25.4	+/-50	J	100	P	07/09/2025	10:22	LB136407
	Lead	2.30	+/-6	U	12.0	P	07/09/2025	10:22	LB136407
	Magnesium	244	+/-1000	U	2000	P	07/09/2025	10:22	LB136407
	Manganese	7.46	+/-10	J	20.0	P	07/09/2025	10:22	LB136407
	Nickel	3.06	+/-20	U	40.0	P	07/09/2025	10:22	LB136407
	Potassium	918	+/-1000	U	2000	P	07/09/2025	10:22	LB136407
	Selenium	9.64	+/-10	U	20.0	P	07/09/2025	10:22	LB136407
	Silver	1.62	+/-5	U	10.0	P	07/09/2025	10:22	LB136407
	Sodium	868	+/-1000	U	2000	P	07/09/2025	10:22	LB136407
	Thallium	4.38	+/-20	U	40.0	P	07/09/2025	10:22	LB136407
	Vanadium	6.26	+/-20	U	40.0	P	07/09/2025	10:22	LB136407
	Zinc	4.21	+/-20	J	40.0	P	07/09/2025	10:22	LB136407

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: CDM Smith **SDG No.:** Q2514

Contract: CAMP02 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Aluminum	11.3	+/-50	U	100	P	07/09/2025	10:57	LB136407
	Antimony	6.76	+/-25	U	50.0	P	07/09/2025	10:57	LB136407
	Arsenic	5.12	+/-10	U	20.0	P	07/09/2025	10:57	LB136407
	Barium	14.6	+/-50	U	100	P	07/09/2025	10:57	LB136407
	Beryllium	0.56	+/-3	U	6.00	P	07/09/2025	10:57	LB136407
	Cadmium	0.50	+/-3	U	6.00	P	07/09/2025	10:57	LB136407
	Calcium	234	+/-1000	U	2000	P	07/09/2025	10:57	LB136407
	Chromium	2.12	+/-5	U	10.0	P	07/09/2025	10:57	LB136407
	Cobalt	2.26	+/-15	U	30.0	P	07/09/2025	10:57	LB136407
	Copper	4.60	+/-10	U	20.0	P	07/09/2025	10:57	LB136407
	Iron	23.4	+/-50	U	100	P	07/09/2025	10:57	LB136407
	Lead	2.30	+/-6	U	12.0	P	07/09/2025	10:57	LB136407
	Magnesium	244	+/-1000	U	2000	P	07/09/2025	10:57	LB136407
	Manganese	5.94	+/-10	U	20.0	P	07/09/2025	10:57	LB136407
	Nickel	3.06	+/-20	U	40.0	P	07/09/2025	10:57	LB136407
	Potassium	918	+/-1000	U	2000	P	07/09/2025	10:57	LB136407
	Selenium	9.64	+/-10	U	20.0	P	07/09/2025	10:57	LB136407
	Silver	1.62	+/-5	U	10.0	P	07/09/2025	10:57	LB136407
	Sodium	868	+/-1000	U	2000	P	07/09/2025	10:57	LB136407
	Thallium	4.38	+/-20	U	40.0	P	07/09/2025	10:57	LB136407
	Vanadium	6.26	+/-20	U	40.0	P	07/09/2025	10:57	LB136407
	Zinc	3.50	+/-20	U	40.0	P	07/09/2025	10:57	LB136407
CCB02	Aluminum	27.5	+/-50	J	100	P	07/09/2025	11:56	LB136407
	Antimony	6.76	+/-25	U	50.0	P	07/09/2025	11:56	LB136407
	Arsenic	5.12	+/-10	U	20.0	P	07/09/2025	11:56	LB136407
	Barium	14.6	+/-50	U	100	P	07/09/2025	11:56	LB136407
	Beryllium	0.56	+/-3	U	6.00	P	07/09/2025	11:56	LB136407
	Cadmium	0.50	+/-3	U	6.00	P	07/09/2025	11:56	LB136407
	Calcium	234	+/-1000	U	2000	P	07/09/2025	11:56	LB136407
	Chromium	2.12	+/-5	U	10.0	P	07/09/2025	11:56	LB136407
	Cobalt	2.26	+/-15	U	30.0	P	07/09/2025	11:56	LB136407
	Copper	4.60	+/-10	U	20.0	P	07/09/2025	11:56	LB136407
	Iron	23.4	+/-50	U	100	P	07/09/2025	11:56	LB136407
	Lead	2.30	+/-6	U	12.0	P	07/09/2025	11:56	LB136407
	Magnesium	244	+/-1000	U	2000	P	07/09/2025	11:56	LB136407
	Manganese	5.94	+/-10	U	20.0	P	07/09/2025	11:56	LB136407
	Nickel	3.06	+/-20	U	40.0	P	07/09/2025	11:56	LB136407
	Potassium	918	+/-1000	U	2000	P	07/09/2025	11:56	LB136407
	Selenium	9.64	+/-10	U	20.0	P	07/09/2025	11:56	LB136407

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: CDM Smith **SDG No.:** Q2514

Contract: CAMP02 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB02	Silver	1.62	+/-5	U	10.0	P	07/09/2025	11:56	LB136407
	Sodium	868	+/-1000	U	2000	P	07/09/2025	11:56	LB136407
	Thallium	4.38	+/-20	U	40.0	P	07/09/2025	11:56	LB136407
	Vanadium	6.26	+/-20	U	40.0	P	07/09/2025	11:56	LB136407
	Zinc	3.50	+/-20	U	40.0	P	07/09/2025	11:56	LB136407
CCB03	Aluminum	65.9	+/-50	J*	100	P	07/09/2025	12:58	LB136407
	Antimony	6.76	+/-25	U	50.0	P	07/09/2025	12:58	LB136407
	Arsenic	5.12	+/-10	U	20.0	P	07/09/2025	12:58	LB136407
	Barium	14.6	+/-50	U	100	P	07/09/2025	12:58	LB136407
	Beryllium	0.56	+/-3	U	6.00	P	07/09/2025	12:58	LB136407
	Cadmium	0.50	+/-3	U	6.00	P	07/09/2025	12:58	LB136407
	Calcium	234	+/-1000	U	2000	P	07/09/2025	12:58	LB136407
	Chromium	2.12	+/-5	U	10.0	P	07/09/2025	12:58	LB136407
	Cobalt	2.26	+/-15	U	30.0	P	07/09/2025	12:58	LB136407
	Copper	4.60	+/-10	U	20.0	P	07/09/2025	12:58	LB136407
	Iron	23.4	+/-50	U	100	P	07/09/2025	12:58	LB136407
	Lead	2.30	+/-6	U	12.0	P	07/09/2025	12:58	LB136407
	Magnesium	244	+/-1000	U	2000	P	07/09/2025	12:58	LB136407
	Manganese	5.94	+/-10	U	20.0	P	07/09/2025	12:58	LB136407
	Nickel	3.06	+/-20	U	40.0	P	07/09/2025	12:58	LB136407
	Potassium	918	+/-1000	U	2000	P	07/09/2025	12:58	LB136407
	Selenium	9.64	+/-10	U	20.0	P	07/09/2025	12:58	LB136407
	Silver	1.62	+/-5	U	10.0	P	07/09/2025	12:58	LB136407
	Sodium	868	+/-1000	U	2000	P	07/09/2025	12:58	LB136407
	Thallium	4.38	+/-20	U	40.0	P	07/09/2025	12:58	LB136407
	Vanadium	6.26	+/-20	U	40.0	P	07/09/2025	12:58	LB136407
	Zinc	3.50	+/-20	U	40.0	P	07/09/2025	12:58	LB136407
CCB04	Aluminum	47.3	+/-50	J	100	P	07/09/2025	14:28	LB136407
	Antimony	6.76	+/-25	U	50.0	P	07/09/2025	14:28	LB136407
	Arsenic	5.12	+/-10	U	20.0	P	07/09/2025	14:28	LB136407
	Barium	14.6	+/-50	U	100	P	07/09/2025	14:28	LB136407
	Beryllium	0.56	+/-3	U	6.00	P	07/09/2025	14:28	LB136407
	Cadmium	0.50	+/-3	U	6.00	P	07/09/2025	14:28	LB136407
	Calcium	234	+/-1000	U	2000	P	07/09/2025	14:28	LB136407
	Chromium	2.12	+/-5	U	10.0	P	07/09/2025	14:28	LB136407
	Cobalt	2.26	+/-15	U	30.0	P	07/09/2025	14:28	LB136407
	Copper	4.60	+/-10	U	20.0	P	07/09/2025	14:28	LB136407
	Iron	23.4	+/-50	U	100	P	07/09/2025	14:28	LB136407
	Lead	2.30	+/-6	U	12.0	P	07/09/2025	14:28	LB136407

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: CDM Smith **SDG No.:** Q2514

Contract: CAMP02 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB04	Magnesium	244	+/-1000	U	2000	P	07/09/2025	14:28	LB136407
	Manganese	5.94	+/-10	U	20.0	P	07/09/2025	14:28	LB136407
	Nickel	3.06	+/-20	U	40.0	P	07/09/2025	14:28	LB136407
	Potassium	918	+/-1000	U	2000	P	07/09/2025	14:28	LB136407
	Selenium	9.64	+/-10	U	20.0	P	07/09/2025	14:28	LB136407
	Silver	7.86	+/-5	J*	10.0	P	07/09/2025	14:28	LB136407
	Sodium	868	+/-1000	U	2000	P	07/09/2025	14:28	LB136407
	Thallium	4.38	+/-20	U	40.0	P	07/09/2025	14:28	LB136407
	Vanadium	6.26	+/-20	U	40.0	P	07/09/2025	14:28	LB136407
	Zinc	3.50	+/-20	U	40.0	P	07/09/2025	14:28	LB136407
CCB05	Aluminum	26.6	+/-50	J	100	P	07/09/2025	15:33	LB136407
	Antimony	6.76	+/-25	U	50.0	P	07/09/2025	15:33	LB136407
	Arsenic	5.12	+/-10	U	20.0	P	07/09/2025	15:33	LB136407
	Barium	14.6	+/-50	U	100	P	07/09/2025	15:33	LB136407
	Beryllium	0.56	+/-3	U	6.00	P	07/09/2025	15:33	LB136407
	Cadmium	0.50	+/-3	U	6.00	P	07/09/2025	15:33	LB136407
	Calcium	234	+/-1000	U	2000	P	07/09/2025	15:33	LB136407
	Chromium	2.12	+/-5	U	10.0	P	07/09/2025	15:33	LB136407
	Cobalt	2.26	+/-15	U	30.0	P	07/09/2025	15:33	LB136407
	Copper	4.60	+/-10	U	20.0	P	07/09/2025	15:33	LB136407
	Iron	23.4	+/-50	U	100	P	07/09/2025	15:33	LB136407
	Lead	2.30	+/-6	U	12.0	P	07/09/2025	15:33	LB136407
	Magnesium	244	+/-1000	U	2000	P	07/09/2025	15:33	LB136407
	Manganese	5.94	+/-10	U	20.0	P	07/09/2025	15:33	LB136407
	Nickel	3.06	+/-20	U	40.0	P	07/09/2025	15:33	LB136407
	Potassium	918	+/-1000	U	2000	P	07/09/2025	15:33	LB136407
	Selenium	9.64	+/-10	U	20.0	P	07/09/2025	15:33	LB136407
	Silver	6.92	+/-5	J*	10.0	P	07/09/2025	15:33	LB136407
	Sodium	868	+/-1000	U	2000	P	07/09/2025	15:33	LB136407
	Thallium	4.38	+/-20	U	40.0	P	07/09/2025	15:33	LB136407
	Vanadium	6.26	+/-20	U	40.0	P	07/09/2025	15:33	LB136407
	Zinc	3.50	+/-20	U	40.0	P	07/09/2025	15:33	LB136407
CCB06	Aluminum	18.8	+/-50	J	100	P	07/09/2025	16:43	LB136407
	Antimony	6.76	+/-25	U	50.0	P	07/09/2025	16:43	LB136407
	Arsenic	5.12	+/-10	U	20.0	P	07/09/2025	16:43	LB136407
	Barium	14.6	+/-50	U	100	P	07/09/2025	16:43	LB136407
	Beryllium	0.56	+/-3	U	6.00	P	07/09/2025	16:43	LB136407
	Cadmium	0.50	+/-3	U	6.00	P	07/09/2025	16:43	LB136407
	Calcium	234	+/-1000	U	2000	P	07/09/2025	16:43	LB136407

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: CDM Smith **SDG No.:** Q2514

Contract: CAMP02 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB06	Chromium	2.12	+/-5	U	10.0	P	07/09/2025	16:43	LB136407
	Cobalt	2.26	+/-15	U	30.0	P	07/09/2025	16:43	LB136407
	Copper	4.60	+/-10	U	20.0	P	07/09/2025	16:43	LB136407
	Iron	23.4	+/-50	U	100	P	07/09/2025	16:43	LB136407
	Lead	2.30	+/-6	U	12.0	P	07/09/2025	16:43	LB136407
	Magnesium	244	+/-1000	U	2000	P	07/09/2025	16:43	LB136407
	Manganese	5.94	+/-10	U	20.0	P	07/09/2025	16:43	LB136407
	Nickel	3.06	+/-20	U	40.0	P	07/09/2025	16:43	LB136407
	Potassium	918	+/-1000	U	2000	P	07/09/2025	16:43	LB136407
	Selenium	9.64	+/-10	U	20.0	P	07/09/2025	16:43	LB136407
	Silver	3.51	+/-5	J	10.0	P	07/09/2025	16:43	LB136407
	Sodium	868	+/-1000	U	2000	P	07/09/2025	16:43	LB136407
	Thallium	4.38	+/-20	U	40.0	P	07/09/2025	16:43	LB136407
	Vanadium	6.26	+/-20	U	40.0	P	07/09/2025	16:43	LB136407
	Zinc	3.50	+/-20	U	40.0	P	07/09/2025	16:43	LB136407
CCB07	Aluminum	11.3	+/-50	U	100	P	07/09/2025	17:54	LB136407
	Antimony	6.76	+/-25	U	50.0	P	07/09/2025	17:54	LB136407
	Arsenic	5.12	+/-10	U	20.0	P	07/09/2025	17:54	LB136407
	Barium	14.6	+/-50	U	100	P	07/09/2025	17:54	LB136407
	Beryllium	0.56	+/-3	U	6.00	P	07/09/2025	17:54	LB136407
	Cadmium	0.50	+/-3	U	6.00	P	07/09/2025	17:54	LB136407
	Calcium	234	+/-1000	U	2000	P	07/09/2025	17:54	LB136407
	Chromium	2.12	+/-5	U	10.0	P	07/09/2025	17:54	LB136407
	Cobalt	2.26	+/-15	U	30.0	P	07/09/2025	17:54	LB136407
	Copper	4.60	+/-10	U	20.0	P	07/09/2025	17:54	LB136407
	Iron	23.4	+/-50	U	100	P	07/09/2025	17:54	LB136407
	Lead	2.30	+/-6	U	12.0	P	07/09/2025	17:54	LB136407
	Magnesium	244	+/-1000	U	2000	P	07/09/2025	17:54	LB136407
	Manganese	5.94	+/-10	U	20.0	P	07/09/2025	17:54	LB136407
	Nickel	3.06	+/-20	U	40.0	P	07/09/2025	17:54	LB136407
	Potassium	918	+/-1000	U	2000	P	07/09/2025	17:54	LB136407
	Selenium	9.64	+/-10	U	20.0	P	07/09/2025	17:54	LB136407
	Silver	2.23	+/-5	J	10.0	P	07/09/2025	17:54	LB136407
	Sodium	868	+/-1000	U	2000	P	07/09/2025	17:54	LB136407
	Thallium	4.38	+/-20	U	40.0	P	07/09/2025	17:54	LB136407
	Vanadium	6.26	+/-20	U	40.0	P	07/09/2025	17:54	LB136407
	Zinc	3.50	+/-20	U	40.0	P	07/09/2025	17:54	LB136407
CCB08	Aluminum	44.5	+/-50	J	100	P	07/09/2025	18:58	LB136407
	Antimony	6.76	+/-25	U	50.0	P	07/09/2025	18:58	LB136407

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: CDM Smith **SDG No.:** Q2514

Contract: CAMP02 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB08	Arsenic	5.12	+/-10	U	20.0	P	07/09/2025	18:58	LB136407
	Barium	14.6	+/-50	U	100	P	07/09/2025	18:58	LB136407
	Beryllium	0.56	+/-3	U	6.00	P	07/09/2025	18:58	LB136407
	Cadmium	0.50	+/-3	U	6.00	P	07/09/2025	18:58	LB136407
	Calcium	234	+/-1000	U	2000	P	07/09/2025	18:58	LB136407
	Chromium	2.12	+/-5	U	10.0	P	07/09/2025	18:58	LB136407
	Cobalt	2.26	+/-15	U	30.0	P	07/09/2025	18:58	LB136407
	Copper	4.60	+/-10	U	20.0	P	07/09/2025	18:58	LB136407
	Iron	23.4	+/-50	U	100	P	07/09/2025	18:58	LB136407
	Lead	3.36	+/-6	J	12.0	P	07/09/2025	18:58	LB136407
	Magnesium	244	+/-1000	U	2000	P	07/09/2025	18:58	LB136407
	Manganese	5.94	+/-10	U	20.0	P	07/09/2025	18:58	LB136407
	Nickel	3.06	+/-20	U	40.0	P	07/09/2025	18:58	LB136407
	Potassium	918	+/-1000	U	2000	P	07/09/2025	18:58	LB136407
	Selenium	9.64	+/-10	U	20.0	P	07/09/2025	18:58	LB136407
	Silver	2.96	+/-5	J	10.0	P	07/09/2025	18:58	LB136407
	Sodium	868	+/-1000	U	2000	P	07/09/2025	18:58	LB136407
	Thallium	4.38	+/-20	U	40.0	P	07/09/2025	18:58	LB136407
	Vanadium	6.26	+/-20	U	40.0	P	07/09/2025	18:58	LB136407
	Zinc	3.50	+/-20	U	40.0	P	07/09/2025	18:58	LB136407
CCB09	Aluminum	11.3	+/-50	U	100	P	07/09/2025	19:52	LB136407
	Antimony	6.76	+/-25	U	50.0	P	07/09/2025	19:52	LB136407
	Arsenic	5.12	+/-10	U	20.0	P	07/09/2025	19:52	LB136407
	Barium	14.6	+/-50	U	100	P	07/09/2025	19:52	LB136407
	Beryllium	0.56	+/-3	U	6.00	P	07/09/2025	19:52	LB136407
	Cadmium	0.50	+/-3	U	6.00	P	07/09/2025	19:52	LB136407
	Calcium	234	+/-1000	U	2000	P	07/09/2025	19:52	LB136407
	Chromium	2.12	+/-5	U	10.0	P	07/09/2025	19:52	LB136407
	Cobalt	2.26	+/-15	U	30.0	P	07/09/2025	19:52	LB136407
	Copper	4.60	+/-10	U	20.0	P	07/09/2025	19:52	LB136407
	Iron	23.4	+/-50	U	100	P	07/09/2025	19:52	LB136407
	Lead	2.75	+/-6	J	12.0	P	07/09/2025	19:52	LB136407
	Magnesium	244	+/-1000	U	2000	P	07/09/2025	19:52	LB136407
	Manganese	5.94	+/-10	U	20.0	P	07/09/2025	19:52	LB136407
	Nickel	3.06	+/-20	U	40.0	P	07/09/2025	19:52	LB136407
	Potassium	918	+/-1000	U	2000	P	07/09/2025	19:52	LB136407
	Selenium	9.64	+/-10	U	20.0	P	07/09/2025	19:52	LB136407
	Silver	2.59	+/-5	J	10.0	P	07/09/2025	19:52	LB136407
	Sodium	868	+/-1000	U	2000	P	07/09/2025	19:52	LB136407

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Fax : 908 789 8922

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: CDM Smith **SDG No.:** Q2514

Contract: CAMP02 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB09	Thallium	4.38	+/-20	U	40.0	P	07/09/2025	19:52	LB136407
	Vanadium	6.26	+/-20	U	40.0	P	07/09/2025	19:52	LB136407
	Zinc	3.50	+/-20	U	40.0	P	07/09/2025	19:52	LB136407
CCB10	Aluminum	11.3	+/-50	U	100	P	07/09/2025	20:45	LB136407
	Antimony	6.76	+/-25	U	50.0	P	07/09/2025	20:45	LB136407
	Arsenic	5.12	+/-10	U	20.0	P	07/09/2025	20:45	LB136407
	Barium	14.6	+/-50	U	100	P	07/09/2025	20:45	LB136407
	Beryllium	0.56	+/-3	U	6.00	P	07/09/2025	20:45	LB136407
	Cadmium	0.50	+/-3	U	6.00	P	07/09/2025	20:45	LB136407
	Calcium	234	+/-1000	U	2000	P	07/09/2025	20:45	LB136407
	Chromium	2.12	+/-5	U	10.0	P	07/09/2025	20:45	LB136407
	Cobalt	2.26	+/-15	U	30.0	P	07/09/2025	20:45	LB136407
	Copper	4.60	+/-10	U	20.0	P	07/09/2025	20:45	LB136407
	Iron	23.4	+/-50	U	100	P	07/09/2025	20:45	LB136407
	Lead	2.30	+/-6	U	12.0	P	07/09/2025	20:45	LB136407
	Magnesium	244	+/-1000	U	2000	P	07/09/2025	20:45	LB136407
	Manganese	5.94	+/-10	U	20.0	P	07/09/2025	20:45	LB136407
	Nickel	3.06	+/-20	U	40.0	P	07/09/2025	20:45	LB136407
	Potassium	918	+/-1000	U	2000	P	07/09/2025	20:45	LB136407
	Selenium	9.64	+/-10	U	20.0	P	07/09/2025	20:45	LB136407
	Silver	1.92	+/-5	J	10.0	P	07/09/2025	20:45	LB136407
	Sodium	868	+/-1000	U	2000	P	07/09/2025	20:45	LB136407
	Thallium	4.38	+/-20	U	40.0	P	07/09/2025	20:45	LB136407
	Vanadium	6.26	+/-20	U	40.0	P	07/09/2025	20:45	LB136407
	Zinc	3.50	+/-20	U	40.0	P	07/09/2025	20:45	LB136407
CCB11	Aluminum	23.1	+/-50	J	100	P	07/09/2025	21:16	LB136407
	Antimony	6.76	+/-25	U	50.0	P	07/09/2025	21:16	LB136407
	Arsenic	5.12	+/-10	U	20.0	P	07/09/2025	21:16	LB136407
	Barium	14.6	+/-50	U	100	P	07/09/2025	21:16	LB136407
	Beryllium	0.56	+/-3	U	6.00	P	07/09/2025	21:16	LB136407
	Cadmium	0.50	+/-3	U	6.00	P	07/09/2025	21:16	LB136407
	Calcium	234	+/-1000	U	2000	P	07/09/2025	21:16	LB136407
	Chromium	2.12	+/-5	U	10.0	P	07/09/2025	21:16	LB136407
	Cobalt	2.26	+/-15	U	30.0	P	07/09/2025	21:16	LB136407
	Copper	4.60	+/-10	U	20.0	P	07/09/2025	21:16	LB136407
	Iron	23.4	+/-50	U	100	P	07/09/2025	21:16	LB136407
	Lead	4.79	+/-6	J	12.0	P	07/09/2025	21:16	LB136407
	Magnesium	244	+/-1000	U	2000	P	07/09/2025	21:16	LB136407
	Manganese	5.94	+/-10	U	20.0	P	07/09/2025	21:16	LB136407

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: CDM Smith **SDG No.:** Q2514

Contract: CAMP02 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB11	Nickel	3.06	+/-20	U	40.0	P	07/09/2025	21:16	LB136407
	Potassium	918	+/-1000	U	2000	P	07/09/2025	21:16	LB136407
	Selenium	9.64	+/-10	U	20.0	P	07/09/2025	21:16	LB136407
	Silver	1.62	+/-5	U	10.0	P	07/09/2025	21:16	LB136407
	Sodium	868	+/-1000	U	2000	P	07/09/2025	21:16	LB136407
	Thallium	4.38	+/-20	U	40.0	P	07/09/2025	21:16	LB136407
	Vanadium	6.26	+/-20	U	40.0	P	07/09/2025	21:16	LB136407
	Zinc	3.50	+/-20	U	40.0	P	07/09/2025	21:16	LB136407

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: CDM Smith **SDG No.:** Q2514

Contract: CAMP02 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Aluminum	11.3	+/-50	U	100	P	07/10/2025	18:55	LB136434
	Antimony	6.76	+/-25	U	50.0	P	07/10/2025	18:55	LB136434
	Arsenic	5.12	+/-10	U	20.0	P	07/10/2025	18:55	LB136434
	Barium	14.6	+/-50	U	100	P	07/10/2025	18:55	LB136434
	Beryllium	0.56	+/-3	U	6.00	P	07/10/2025	18:55	LB136434
	Cadmium	0.50	+/-3	U	6.00	P	07/10/2025	18:55	LB136434
	Calcium	234	+/-1000	U	2000	P	07/10/2025	18:55	LB136434
	Chromium	2.12	+/-5	U	10.0	P	07/10/2025	18:55	LB136434
	Cobalt	2.26	+/-15	U	30.0	P	07/10/2025	18:55	LB136434
	Copper	4.60	+/-10	U	20.0	P	07/10/2025	18:55	LB136434
	Iron	23.4	+/-50	U	100	P	07/10/2025	18:55	LB136434
	Lead	2.30	+/-6	U	12.0	P	07/10/2025	18:55	LB136434
	Magnesium	244	+/-1000	U	2000	P	07/10/2025	18:55	LB136434
	Manganese	5.94	+/-10	U	20.0	P	07/10/2025	18:55	LB136434
	Nickel	3.06	+/-20	U	40.0	P	07/10/2025	18:55	LB136434
	Potassium	918	+/-1000	U	2000	P	07/10/2025	18:55	LB136434
	Selenium	9.64	+/-10	U	20.0	P	07/10/2025	18:55	LB136434
	Silver	1.62	+/-5	U	10.0	P	07/10/2025	18:55	LB136434
	Sodium	868	+/-1000	U	2000	P	07/10/2025	18:55	LB136434
	Thallium	4.38	+/-20	U	40.0	P	07/10/2025	18:55	LB136434
	Vanadium	6.26	+/-20	U	40.0	P	07/10/2025	18:55	LB136434
	Zinc	3.50	+/-20	U	40.0	P	07/10/2025	18:55	LB136434

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: CDM Smith **SDG No.:** Q2514

Contract: CAMP02 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Aluminum	11.3	+/-50	U	100	P	07/10/2025	19:54	LB136434
	Antimony	6.76	+/-25	U	50.0	P	07/10/2025	19:54	LB136434
	Arsenic	5.12	+/-10	U	20.0	P	07/10/2025	19:54	LB136434
	Barium	14.6	+/-50	U	100	P	07/10/2025	19:54	LB136434
	Beryllium	0.56	+/-3	U	6.00	P	07/10/2025	19:54	LB136434
	Cadmium	0.50	+/-3	U	6.00	P	07/10/2025	19:54	LB136434
	Calcium	234	+/-1000	U	2000	P	07/10/2025	19:54	LB136434
	Chromium	2.12	+/-5	U	10.0	P	07/10/2025	19:54	LB136434
	Cobalt	2.26	+/-15	U	30.0	P	07/10/2025	19:54	LB136434
	Copper	4.60	+/-10	U	20.0	P	07/10/2025	19:54	LB136434
	Iron	23.4	+/-50	U	100	P	07/10/2025	19:54	LB136434
	Lead	2.30	+/-6	U	12.0	P	07/10/2025	19:54	LB136434
	Magnesium	244	+/-1000	U	2000	P	07/10/2025	19:54	LB136434
	Manganese	5.94	+/-10	U	20.0	P	07/10/2025	19:54	LB136434
	Nickel	3.06	+/-20	U	40.0	P	07/10/2025	19:54	LB136434
	Potassium	918	+/-1000	U	2000	P	07/10/2025	19:54	LB136434
	Selenium	9.64	+/-10	U	20.0	P	07/10/2025	19:54	LB136434
	Silver	1.62	+/-5	U	10.0	P	07/10/2025	19:54	LB136434
	Sodium	868	+/-1000	U	2000	P	07/10/2025	19:54	LB136434
	Thallium	4.38	+/-20	U	40.0	P	07/10/2025	19:54	LB136434
	Vanadium	6.26	+/-20	U	40.0	P	07/10/2025	19:54	LB136434
	Zinc	3.50	+/-20	U	40.0	P	07/10/2025	19:54	LB136434
CCB02	Aluminum	11.3	+/-50	U	100	P	07/10/2025	21:04	LB136434
	Antimony	6.76	+/-25	U	50.0	P	07/10/2025	21:04	LB136434
	Arsenic	5.12	+/-10	U	20.0	P	07/10/2025	21:04	LB136434
	Barium	14.6	+/-50	U	100	P	07/10/2025	21:04	LB136434
	Beryllium	0.56	+/-3	U	6.00	P	07/10/2025	21:04	LB136434
	Cadmium	0.50	+/-3	U	6.00	P	07/10/2025	21:04	LB136434
	Calcium	234	+/-1000	U	2000	P	07/10/2025	21:04	LB136434
	Chromium	2.12	+/-5	U	10.0	P	07/10/2025	21:04	LB136434
	Cobalt	2.26	+/-15	U	30.0	P	07/10/2025	21:04	LB136434
	Copper	4.60	+/-10	U	20.0	P	07/10/2025	21:04	LB136434
	Iron	23.4	+/-50	U	100	P	07/10/2025	21:04	LB136434
	Lead	2.30	+/-6	U	12.0	P	07/10/2025	21:04	LB136434
	Magnesium	244	+/-1000	U	2000	P	07/10/2025	21:04	LB136434
	Manganese	5.94	+/-10	U	20.0	P	07/10/2025	21:04	LB136434
	Nickel	3.06	+/-20	U	40.0	P	07/10/2025	21:04	LB136434
	Potassium	918	+/-1000	U	2000	P	07/10/2025	21:04	LB136434
	Selenium	9.64	+/-10	U	20.0	P	07/10/2025	21:04	LB136434

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: CDM Smith **SDG No.:** Q2514

Contract: CAMP02 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB02	Silver	1.62	+/-5	U	10.0	P	07/10/2025	21:04	LB136434
	Sodium	868	+/-1000	U	2000	P	07/10/2025	21:04	LB136434
	Thallium	4.38	+/-20	U	40.0	P	07/10/2025	21:04	LB136434
	Vanadium	6.26	+/-20	U	40.0	P	07/10/2025	21:04	LB136434
	Zinc	3.50	+/-20	U	40.0	P	07/10/2025	21:04	LB136434
CCB03	Aluminum	11.3	+/-50	U	100	P	07/10/2025	22:36	LB136434
	Antimony	6.76	+/-25	U	50.0	P	07/10/2025	22:36	LB136434
	Arsenic	5.12	+/-10	U	20.0	P	07/10/2025	22:36	LB136434
	Barium	14.6	+/-50	U	100	P	07/10/2025	22:36	LB136434
	Beryllium	0.56	+/-3	U	6.00	P	07/10/2025	22:36	LB136434
	Cadmium	0.50	+/-3	U	6.00	P	07/10/2025	22:36	LB136434
	Calcium	234	+/-1000	U	2000	P	07/10/2025	22:36	LB136434
	Chromium	2.12	+/-5	U	10.0	P	07/10/2025	22:36	LB136434
	Cobalt	2.26	+/-15	U	30.0	P	07/10/2025	22:36	LB136434
	Copper	4.60	+/-10	U	20.0	P	07/10/2025	22:36	LB136434
	Iron	23.4	+/-50	U	100	P	07/10/2025	22:36	LB136434
	Lead	2.30	+/-6	U	12.0	P	07/10/2025	22:36	LB136434
	Magnesium	244	+/-1000	U	2000	P	07/10/2025	22:36	LB136434
	Manganese	5.94	+/-10	U	20.0	P	07/10/2025	22:36	LB136434
	Nickel	3.06	+/-20	U	40.0	P	07/10/2025	22:36	LB136434
	Potassium	918	+/-1000	U	2000	P	07/10/2025	22:36	LB136434
	Selenium	9.64	+/-10	U	20.0	P	07/10/2025	22:36	LB136434
	Silver	1.62	+/-5	U	10.0	P	07/10/2025	22:36	LB136434
	Sodium	868	+/-1000	U	2000	P	07/10/2025	22:36	LB136434
	Thallium	4.38	+/-20	U	40.0	P	07/10/2025	22:36	LB136434
	Vanadium	6.26	+/-20	U	40.0	P	07/10/2025	22:36	LB136434
	Zinc	3.50	+/-20	J	40.0	P	07/10/2025	22:36	LB136434
CCB04	Aluminum	11.3	+/-50	U	100	P	07/10/2025	23:53	LB136434
	Antimony	6.76	+/-25	U	50.0	P	07/10/2025	23:53	LB136434
	Arsenic	5.12	+/-10	U	20.0	P	07/10/2025	23:53	LB136434
	Barium	14.6	+/-50	U	100	P	07/10/2025	23:53	LB136434
	Beryllium	0.56	+/-3	U	6.00	P	07/10/2025	23:53	LB136434
	Cadmium	0.50	+/-3	U	6.00	P	07/10/2025	23:53	LB136434
	Calcium	234	+/-1000	U	2000	P	07/10/2025	23:53	LB136434
	Chromium	2.12	+/-5	U	10.0	P	07/10/2025	23:53	LB136434
	Cobalt	2.26	+/-15	U	30.0	P	07/10/2025	23:53	LB136434
	Copper	4.60	+/-10	U	20.0	P	07/10/2025	23:53	LB136434
	Iron	23.4	+/-50	U	100	P	07/10/2025	23:53	LB136434
	Lead	2.30	+/-6	U	12.0	P	07/10/2025	23:53	LB136434

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: CDM Smith **SDG No.:** Q2514

Contract: CAMP02 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB04	Magnesium	244	+/-1000	U	2000	P	07/10/2025	23:53	LB136434
	Manganese	5.94	+/-10	U	20.0	P	07/10/2025	23:53	LB136434
	Nickel	3.06	+/-20	U	40.0	P	07/10/2025	23:53	LB136434
	Potassium	918	+/-1000	U	2000	P	07/10/2025	23:53	LB136434
	Selenium	9.64	+/-10	U	20.0	P	07/10/2025	23:53	LB136434
	Silver	1.62	+/-5	U	10.0	P	07/10/2025	23:53	LB136434
	Sodium	868	+/-1000	U	2000	P	07/10/2025	23:53	LB136434
	Thallium	4.38	+/-20	U	40.0	P	07/10/2025	23:53	LB136434
	Vanadium	6.26	+/-20	U	40.0	P	07/10/2025	23:53	LB136434
	Zinc	3.50	+/-20	U	40.0	P	07/10/2025	23:53	LB136434
CCB05	Aluminum	11.3	+/-50	U	100	P	07/11/2025	00:51	LB136434
	Antimony	6.76	+/-25	U	50.0	P	07/11/2025	00:51	LB136434
	Arsenic	5.12	+/-10	U	20.0	P	07/11/2025	00:51	LB136434
	Barium	14.6	+/-50	U	100	P	07/11/2025	00:51	LB136434
	Beryllium	0.56	+/-3	U	6.00	P	07/11/2025	00:51	LB136434
	Cadmium	0.50	+/-3	U	6.00	P	07/11/2025	00:51	LB136434
	Calcium	234	+/-1000	U	2000	P	07/11/2025	00:51	LB136434
	Chromium	2.12	+/-5	U	10.0	P	07/11/2025	00:51	LB136434
	Cobalt	2.26	+/-15	U	30.0	P	07/11/2025	00:51	LB136434
	Copper	4.60	+/-10	U	20.0	P	07/11/2025	00:51	LB136434
	Iron	23.4	+/-50	U	100	P	07/11/2025	00:51	LB136434
	Lead	2.30	+/-6	U	12.0	P	07/11/2025	00:51	LB136434
	Magnesium	244	+/-1000	U	2000	P	07/11/2025	00:51	LB136434
	Manganese	5.94	+/-10	U	20.0	P	07/11/2025	00:51	LB136434
	Nickel	3.06	+/-20	U	40.0	P	07/11/2025	00:51	LB136434
	Potassium	918	+/-1000	U	2000	P	07/11/2025	00:51	LB136434
	Selenium	9.64	+/-10	U	20.0	P	07/11/2025	00:51	LB136434
	Silver	1.62	+/-5	U	10.0	P	07/11/2025	00:51	LB136434
	Sodium	868	+/-1000	U	2000	P	07/11/2025	00:51	LB136434
	Thallium	4.38	+/-20	U	40.0	P	07/11/2025	00:51	LB136434
	Vanadium	6.26	+/-20	U	40.0	P	07/11/2025	00:51	LB136434
	Zinc	3.50	+/-20	U	40.0	P	07/11/2025	00:51	LB136434
CCB06	Aluminum	11.3	+/-50	U	100	P	07/11/2025	02:23	LB136434
	Antimony	6.76	+/-25	U	50.0	P	07/11/2025	02:23	LB136434
	Arsenic	5.12	+/-10	U	20.0	P	07/11/2025	02:23	LB136434
	Barium	14.6	+/-50	U	100	P	07/11/2025	02:23	LB136434
	Beryllium	0.56	+/-3	U	6.00	P	07/11/2025	02:23	LB136434
	Cadmium	0.50	+/-3	U	6.00	P	07/11/2025	02:23	LB136434
	Calcium	234	+/-1000	U	2000	P	07/11/2025	02:23	LB136434

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: CDM Smith **SDG No.:** Q2514

Contract: CAMP02 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB06	Chromium	2.12	+/-5	U	10.0	P	07/11/2025	02:23	LB136434
	Cobalt	2.26	+/-15	U	30.0	P	07/11/2025	02:23	LB136434
	Copper	4.60	+/-10	U	20.0	P	07/11/2025	02:23	LB136434
	Iron	23.4	+/-50	U	100	P	07/11/2025	02:23	LB136434
	Lead	2.30	+/-6	U	12.0	P	07/11/2025	02:23	LB136434
	Magnesium	244	+/-1000	U	2000	P	07/11/2025	02:23	LB136434
	Manganese	8.75	+/-10	J	20.0	P	07/11/2025	02:23	LB136434
	Nickel	3.06	+/-20	U	40.0	P	07/11/2025	02:23	LB136434
	Potassium	918	+/-1000	U	2000	P	07/11/2025	02:23	LB136434
	Selenium	9.64	+/-10	U	20.0	P	07/11/2025	02:23	LB136434
	Silver	4.87	+/-5	J	10.0	P	07/11/2025	02:23	LB136434
	Sodium	868	+/-1000	U	2000	P	07/11/2025	02:23	LB136434
	Thallium	4.38	+/-20	U	40.0	P	07/11/2025	02:23	LB136434
	Vanadium	6.26	+/-20	U	40.0	P	07/11/2025	02:23	LB136434
	Zinc	3.50	+/-20	U	40.0	P	07/11/2025	02:23	LB136434
CCB07	Aluminum	11.3	+/-50	U	100	P	07/11/2025	03:26	LB136434
	Antimony	6.76	+/-25	U	50.0	P	07/11/2025	03:26	LB136434
	Arsenic	5.12	+/-10	U	20.0	P	07/11/2025	03:26	LB136434
	Barium	14.6	+/-50	U	100	P	07/11/2025	03:26	LB136434
	Beryllium	0.56	+/-3	U	6.00	P	07/11/2025	03:26	LB136434
	Cadmium	0.50	+/-3	U	6.00	P	07/11/2025	03:26	LB136434
	Calcium	234	+/-1000	U	2000	P	07/11/2025	03:26	LB136434
	Chromium	2.12	+/-5	U	10.0	P	07/11/2025	03:26	LB136434
	Cobalt	2.26	+/-15	U	30.0	P	07/11/2025	03:26	LB136434
	Copper	4.60	+/-10	U	20.0	P	07/11/2025	03:26	LB136434
	Iron	23.4	+/-50	U	100	P	07/11/2025	03:26	LB136434
	Lead	2.30	+/-6	U	12.0	P	07/11/2025	03:26	LB136434
	Magnesium	244	+/-1000	U	2000	P	07/11/2025	03:26	LB136434
	Manganese	9.63	+/-10	J	20.0	P	07/11/2025	03:26	LB136434
	Nickel	3.06	+/-20	U	40.0	P	07/11/2025	03:26	LB136434
	Potassium	918	+/-1000	U	2000	P	07/11/2025	03:26	LB136434
	Selenium	9.64	+/-10	U	20.0	P	07/11/2025	03:26	LB136434
	Silver	4.57	+/-5	J	10.0	P	07/11/2025	03:26	LB136434
	Sodium	868	+/-1000	U	2000	P	07/11/2025	03:26	LB136434
	Thallium	4.38	+/-20	U	40.0	P	07/11/2025	03:26	LB136434
	Vanadium	6.26	+/-20	U	40.0	P	07/11/2025	03:26	LB136434
	Zinc	3.50	+/-20	U	40.0	P	07/11/2025	03:26	LB136434
CCB08	Aluminum	11.3	+/-50	U	100	P	07/11/2025	04:27	LB136434
	Antimony	6.76	+/-25	U	50.0	P	07/11/2025	04:27	LB136434

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: CDM Smith **SDG No.:** Q2514

Contract: CAMP02 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB08	Arsenic	5.12	+/-10	U	20.0	P	07/11/2025	04:27	LB136434
	Barium	14.6	+/-50	U	100	P	07/11/2025	04:27	LB136434
	Beryllium	0.56	+/-3	U	6.00	P	07/11/2025	04:27	LB136434
	Cadmium	0.50	+/-3	U	6.00	P	07/11/2025	04:27	LB136434
	Calcium	234	+/-1000	U	2000	P	07/11/2025	04:27	LB136434
	Chromium	2.12	+/-5	U	10.0	P	07/11/2025	04:27	LB136434
	Cobalt	2.26	+/-15	U	30.0	P	07/11/2025	04:27	LB136434
	Copper	4.60	+/-10	U	20.0	P	07/11/2025	04:27	LB136434
	Iron	23.4	+/-50	U	100	P	07/11/2025	04:27	LB136434
	Lead	2.30	+/-6	U	12.0	P	07/11/2025	04:27	LB136434
	Magnesium	244	+/-1000	U	2000	P	07/11/2025	04:27	LB136434
	Manganese	5.94	+/-10	U	20.0	P	07/11/2025	04:27	LB136434
	Nickel	3.06	+/-20	U	40.0	P	07/11/2025	04:27	LB136434
	Potassium	918	+/-1000	U	2000	P	07/11/2025	04:27	LB136434
	Selenium	9.64	+/-10	U	20.0	P	07/11/2025	04:27	LB136434
	Silver	6.06	+/-5	J*	10.0	P	07/11/2025	04:27	LB136434
	Sodium	868	+/-1000	U	2000	P	07/11/2025	04:27	LB136434
	Thallium	4.38	+/-20	U	40.0	P	07/11/2025	04:27	LB136434
	Vanadium	6.26	+/-20	U	40.0	P	07/11/2025	04:27	LB136434
	Zinc	3.50	+/-20	U	40.0	P	07/11/2025	04:27	LB136434
CCB09	Aluminum	11.3	+/-50	U	100	P	07/11/2025	05:24	LB136434
	Antimony	6.76	+/-25	U	50.0	P	07/11/2025	05:24	LB136434
	Arsenic	5.12	+/-10	U	20.0	P	07/11/2025	05:24	LB136434
	Barium	14.6	+/-50	U	100	P	07/11/2025	05:24	LB136434
	Beryllium	0.56	+/-3	U	6.00	P	07/11/2025	05:24	LB136434
	Cadmium	0.50	+/-3	U	6.00	P	07/11/2025	05:24	LB136434
	Calcium	234	+/-1000	U	2000	P	07/11/2025	05:24	LB136434
	Chromium	2.12	+/-5	U	10.0	P	07/11/2025	05:24	LB136434
	Cobalt	2.26	+/-15	U	30.0	P	07/11/2025	05:24	LB136434
	Copper	4.60	+/-10	U	20.0	P	07/11/2025	05:24	LB136434
	Iron	23.4	+/-50	U	100	P	07/11/2025	05:24	LB136434
	Lead	2.30	+/-6	U	12.0	P	07/11/2025	05:24	LB136434
	Magnesium	244	+/-1000	U	2000	P	07/11/2025	05:24	LB136434
	Manganese	5.94	+/-10	U	20.0	P	07/11/2025	05:24	LB136434
	Nickel	3.06	+/-20	U	40.0	P	07/11/2025	05:24	LB136434
	Potassium	918	+/-1000	U	2000	P	07/11/2025	05:24	LB136434
	Selenium	9.64	+/-10	U	20.0	P	07/11/2025	05:24	LB136434
	Silver	2.97	+/-5	J	10.0	P	07/11/2025	05:24	LB136434
	Sodium	868	+/-1000	U	2000	P	07/11/2025	05:24	LB136434

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: CDM Smith **SDG No.:** Q2514

Contract: CAMP02 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB09	Thallium	4.38	+/-20	U	40.0	P	07/11/2025	05:24	LB136434
	Vanadium	6.26	+/-20	U	40.0	P	07/11/2025	05:24	LB136434
	Zinc	3.50	+/-20	U	40.0	P	07/11/2025	05:24	LB136434
CCB10	Aluminum	11.3	+/-50	U	100	P	07/11/2025	06:21	LB136434
	Antimony	6.76	+/-25	U	50.0	P	07/11/2025	06:21	LB136434
	Arsenic	5.12	+/-10	U	20.0	P	07/11/2025	06:21	LB136434
	Barium	14.6	+/-50	U	100	P	07/11/2025	06:21	LB136434
	Beryllium	0.56	+/-3	U	6.00	P	07/11/2025	06:21	LB136434
	Cadmium	0.50	+/-3	U	6.00	P	07/11/2025	06:21	LB136434
	Calcium	234	+/-1000	U	2000	P	07/11/2025	06:21	LB136434
	Chromium	2.12	+/-5	U	10.0	P	07/11/2025	06:21	LB136434
	Cobalt	2.26	+/-15	U	30.0	P	07/11/2025	06:21	LB136434
	Copper	4.60	+/-10	U	20.0	P	07/11/2025	06:21	LB136434
	Iron	23.4	+/-50	U	100	P	07/11/2025	06:21	LB136434
	Lead	2.30	+/-6	U	12.0	P	07/11/2025	06:21	LB136434
	Magnesium	244	+/-1000	U	2000	P	07/11/2025	06:21	LB136434
	Manganese	5.94	+/-10	U	20.0	P	07/11/2025	06:21	LB136434
	Nickel	3.06	+/-20	U	40.0	P	07/11/2025	06:21	LB136434
	Potassium	918	+/-1000	U	2000	P	07/11/2025	06:21	LB136434
	Selenium	9.64	+/-10	U	20.0	P	07/11/2025	06:21	LB136434
	Silver	1.62	+/-5	U	10.0	P	07/11/2025	06:21	LB136434
	Sodium	868	+/-1000	U	2000	P	07/11/2025	06:21	LB136434
	Thallium	4.38	+/-20	U	40.0	P	07/11/2025	06:21	LB136434
	Vanadium	6.26	+/-20	U	40.0	P	07/11/2025	06:21	LB136434
	Zinc	3.50	+/-20	U	40.0	P	07/11/2025	06:21	LB136434
CCB11	Aluminum	11.3	+/-50	U	100	P	07/11/2025	06:47	LB136434
	Antimony	6.76	+/-25	U	50.0	P	07/11/2025	06:47	LB136434
	Arsenic	5.12	+/-10	U	20.0	P	07/11/2025	06:47	LB136434
	Barium	14.6	+/-50	U	100	P	07/11/2025	06:47	LB136434
	Beryllium	0.56	+/-3	U	6.00	P	07/11/2025	06:47	LB136434
	Cadmium	0.50	+/-3	U	6.00	P	07/11/2025	06:47	LB136434
	Calcium	234	+/-1000	U	2000	P	07/11/2025	06:47	LB136434
	Chromium	2.12	+/-5	U	10.0	P	07/11/2025	06:47	LB136434
	Cobalt	2.26	+/-15	U	30.0	P	07/11/2025	06:47	LB136434
	Copper	4.60	+/-10	U	20.0	P	07/11/2025	06:47	LB136434
	Iron	23.4	+/-50	U	100	P	07/11/2025	06:47	LB136434
	Lead	2.30	+/-6	U	12.0	P	07/11/2025	06:47	LB136434
	Magnesium	244	+/-1000	U	2000	P	07/11/2025	06:47	LB136434
	Manganese	5.94	+/-10	U	20.0	P	07/11/2025	06:47	LB136434

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: CDM Smith **SDG No.:** Q2514

Contract: CAMP02 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB11	Nickel	3.06	+/-20	U	40.0	P	07/11/2025	06:47	LB136434
	Potassium	918	+/-1000	U	2000	P	07/11/2025	06:47	LB136434
	Selenium	9.64	+/-10	U	20.0	P	07/11/2025	06:47	LB136434
	Silver	1.62	+/-5	U	10.0	P	07/11/2025	06:47	LB136434
	Sodium	868	+/-1000	U	2000	P	07/11/2025	06:47	LB136434
	Thallium	4.38	+/-20	U	40.0	P	07/11/2025	06:47	LB136434
	Vanadium	6.26	+/-20	U	40.0	P	07/11/2025	06:47	LB136434
	Zinc	3.50	+/-20	U	40.0	P	07/11/2025	06:47	LB136434

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: CDM Smith **SDG No.:** Q2514

Contract: CAMP02 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Aluminum	44.1	+/-50	J	100	P	07/17/2025	14:29	LB136534
	Antimony	6.76	+/-25	U	50.0	P	07/17/2025	14:29	LB136534
	Arsenic	5.12	+/-10	U	20.0	P	07/17/2025	14:29	LB136534
	Barium	14.6	+/-50	U	100	P	07/17/2025	14:29	LB136534
	Beryllium	0.56	+/-3	U	6.00	P	07/17/2025	14:29	LB136534
	Cadmium	0.50	+/-3	U	6.00	P	07/17/2025	14:29	LB136534
	Calcium	234	+/-1000	U	2000	P	07/17/2025	14:29	LB136534
	Chromium	2.12	+/-5	U	10.0	P	07/17/2025	14:29	LB136534
	Cobalt	2.26	+/-15	U	30.0	P	07/17/2025	14:29	LB136534
	Copper	4.60	+/-10	U	20.0	P	07/17/2025	14:29	LB136534
	Iron	23.4	+/-50	U	100	P	07/17/2025	14:29	LB136534
	Lead	2.30	+/-6	U	12.0	P	07/17/2025	14:29	LB136534
	Magnesium	244	+/-1000	U	2000	P	07/17/2025	14:29	LB136534
	Manganese	5.94	+/-10	U	20.0	P	07/17/2025	14:29	LB136534
	Nickel	3.06	+/-20	U	40.0	P	07/17/2025	14:29	LB136534
	Potassium	918	+/-1000	U	2000	P	07/17/2025	14:29	LB136534
	Selenium	9.64	+/-10	U	20.0	P	07/17/2025	14:29	LB136534
	Silver	1.62	+/-5	U	10.0	P	07/17/2025	14:29	LB136534
	Sodium	868	+/-1000	U	2000	P	07/17/2025	14:29	LB136534
	Thallium	4.38	+/-20	U	40.0	P	07/17/2025	14:29	LB136534
	Vanadium	6.26	+/-20	U	40.0	P	07/17/2025	14:29	LB136534
	Zinc	3.50	+/-20	U	40.0	P	07/17/2025	14:29	LB136534

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: CDM Smith **SDG No.:** Q2514

Contract: CAMP02 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Aluminum	34.3	+/-50	J	100	P	07/17/2025	15:01	LB136534
	Antimony	6.76	+/-25	U	50.0	P	07/17/2025	15:01	LB136534
	Arsenic	5.12	+/-10	U	20.0	P	07/17/2025	15:01	LB136534
	Barium	14.6	+/-50	U	100	P	07/17/2025	15:01	LB136534
	Beryllium	0.56	+/-3	U	6.00	P	07/17/2025	15:01	LB136534
	Cadmium	0.50	+/-3	U	6.00	P	07/17/2025	15:01	LB136534
	Calcium	234	+/-1000	U	2000	P	07/17/2025	15:01	LB136534
	Chromium	2.12	+/-5	U	10.0	P	07/17/2025	15:01	LB136534
	Cobalt	2.26	+/-15	U	30.0	P	07/17/2025	15:01	LB136534
	Copper	4.60	+/-10	U	20.0	P	07/17/2025	15:01	LB136534
	Iron	23.4	+/-50	U	100	P	07/17/2025	15:01	LB136534
	Lead	2.30	+/-6	U	12.0	P	07/17/2025	15:01	LB136534
	Magnesium	244	+/-1000	U	2000	P	07/17/2025	15:01	LB136534
	Manganese	5.94	+/-10	U	20.0	P	07/17/2025	15:01	LB136534
	Nickel	3.06	+/-20	U	40.0	P	07/17/2025	15:01	LB136534
	Potassium	918	+/-1000	U	2000	P	07/17/2025	15:01	LB136534
	Selenium	9.64	+/-10	U	20.0	P	07/17/2025	15:01	LB136534
	Silver	1.62	+/-5	U	10.0	P	07/17/2025	15:01	LB136534
	Sodium	868	+/-1000	U	2000	P	07/17/2025	15:01	LB136534
	Thallium	4.38	+/-20	U	40.0	P	07/17/2025	15:01	LB136534
	Vanadium	6.26	+/-20	U	40.0	P	07/17/2025	15:01	LB136534
	Zinc	3.50	+/-20	U	40.0	P	07/17/2025	15:01	LB136534
CCB02	Aluminum	20.6	+/-50	J	100	P	07/17/2025	15:49	LB136534
	Antimony	6.76	+/-25	U	50.0	P	07/17/2025	15:49	LB136534
	Arsenic	5.12	+/-10	U	20.0	P	07/17/2025	15:49	LB136534
	Barium	14.6	+/-50	U	100	P	07/17/2025	15:49	LB136534
	Beryllium	0.56	+/-3	U	6.00	P	07/17/2025	15:49	LB136534
	Cadmium	0.50	+/-3	U	6.00	P	07/17/2025	15:49	LB136534
	Calcium	234	+/-1000	U	2000	P	07/17/2025	15:49	LB136534
	Chromium	2.12	+/-5	U	10.0	P	07/17/2025	15:49	LB136534
	Cobalt	2.26	+/-15	U	30.0	P	07/17/2025	15:49	LB136534
	Copper	4.60	+/-10	U	20.0	P	07/17/2025	15:49	LB136534
	Iron	23.4	+/-50	U	100	P	07/17/2025	15:49	LB136534
	Lead	2.30	+/-6	U	12.0	P	07/17/2025	15:49	LB136534
	Magnesium	244	+/-1000	U	2000	P	07/17/2025	15:49	LB136534
	Manganese	5.94	+/-10	U	20.0	P	07/17/2025	15:49	LB136534
	Nickel	3.06	+/-20	U	40.0	P	07/17/2025	15:49	LB136534
	Potassium	918	+/-1000	U	2000	P	07/17/2025	15:49	LB136534
	Selenium	9.64	+/-10	U	20.0	P	07/17/2025	15:49	LB136534

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: CDM Smith **SDG No.:** Q2514

Contract: CAMP02 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB02	Silver	1.62	+/-5	U	10.0	P	07/17/2025	15:49	LB136534
	Sodium	868	+/-1000	U	2000	P	07/17/2025	15:49	LB136534
	Thallium	4.38	+/-20	U	40.0	P	07/17/2025	15:49	LB136534
	Vanadium	6.26	+/-20	U	40.0	P	07/17/2025	15:49	LB136534
	Zinc	3.50	+/-20	U	40.0	P	07/17/2025	15:49	LB136534
CCB03	Aluminum	30.1	+/-50	J	100	P	07/17/2025	17:36	LB136534
	Antimony	6.76	+/-25	U	50.0	P	07/17/2025	17:36	LB136534
	Arsenic	5.12	+/-10	U	20.0	P	07/17/2025	17:36	LB136534
	Barium	14.6	+/-50	U	100	P	07/17/2025	17:36	LB136534
	Beryllium	0.56	+/-3	U	6.00	P	07/17/2025	17:36	LB136534
	Cadmium	0.50	+/-3	U	6.00	P	07/17/2025	17:36	LB136534
	Calcium	234	+/-1000	U	2000	P	07/17/2025	17:36	LB136534
	Chromium	2.12	+/-5	U	10.0	P	07/17/2025	17:36	LB136534
	Cobalt	2.26	+/-15	U	30.0	P	07/17/2025	17:36	LB136534
	Copper	4.60	+/-10	U	20.0	P	07/17/2025	17:36	LB136534
	Iron	23.4	+/-50	U	100	P	07/17/2025	17:36	LB136534
	Lead	2.30	+/-6	U	12.0	P	07/17/2025	17:36	LB136534
	Magnesium	244	+/-1000	U	2000	P	07/17/2025	17:36	LB136534
	Manganese	5.94	+/-10	U	20.0	P	07/17/2025	17:36	LB136534
	Nickel	3.06	+/-20	U	40.0	P	07/17/2025	17:36	LB136534
	Potassium	918	+/-1000	U	2000	P	07/17/2025	17:36	LB136534
	Selenium	9.64	+/-10	U	20.0	P	07/17/2025	17:36	LB136534
	Silver	1.62	+/-5	U	10.0	P	07/17/2025	17:36	LB136534
	Sodium	868	+/-1000	U	2000	P	07/17/2025	17:36	LB136534
	Thallium	4.38	+/-20	U	40.0	P	07/17/2025	17:36	LB136534
	Vanadium	6.26	+/-20	U	40.0	P	07/17/2025	17:36	LB136534
	Zinc	3.50	+/-20	U	40.0	P	07/17/2025	17:36	LB136534
CCB04	Aluminum	27.5	+/-50	J	100	P	07/17/2025	18:50	LB136534
	Antimony	6.76	+/-25	U	50.0	P	07/17/2025	18:50	LB136534
	Arsenic	5.12	+/-10	U	20.0	P	07/17/2025	18:50	LB136534
	Barium	14.6	+/-50	U	100	P	07/17/2025	18:50	LB136534
	Beryllium	0.56	+/-3	U	6.00	P	07/17/2025	18:50	LB136534
	Cadmium	0.50	+/-3	U	6.00	P	07/17/2025	18:50	LB136534
	Calcium	234	+/-1000	U	2000	P	07/17/2025	18:50	LB136534
	Chromium	2.12	+/-5	U	10.0	P	07/17/2025	18:50	LB136534
	Cobalt	2.26	+/-15	U	30.0	P	07/17/2025	18:50	LB136534
	Copper	4.60	+/-10	U	20.0	P	07/17/2025	18:50	LB136534
	Iron	23.4	+/-50	U	100	P	07/17/2025	18:50	LB136534
	Lead	2.30	+/-6	U	12.0	P	07/17/2025	18:50	LB136534

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: CDM Smith **SDG No.:** Q2514

Contract: CAMP02 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB04	Magnesium	244	+/-1000	U	2000	P	07/17/2025	18:50	LB136534
	Manganese	5.94	+/-10	U	20.0	P	07/17/2025	18:50	LB136534
	Nickel	3.06	+/-20	U	40.0	P	07/17/2025	18:50	LB136534
	Potassium	918	+/-1000	U	2000	P	07/17/2025	18:50	LB136534
	Selenium	9.64	+/-10	U	20.0	P	07/17/2025	18:50	LB136534
	Silver	1.62	+/-5	U	10.0	P	07/17/2025	18:50	LB136534
	Sodium	868	+/-1000	U	2000	P	07/17/2025	18:50	LB136534
	Thallium	4.38	+/-20	U	40.0	P	07/17/2025	18:50	LB136534
	Vanadium	6.26	+/-20	U	40.0	P	07/17/2025	18:50	LB136534
	Zinc	3.50	+/-20	U	40.0	P	07/17/2025	18:50	LB136534
CCB05	Aluminum	19.5	+/-50	J	100	P	07/17/2025	20:16	LB136534
	Antimony	6.76	+/-25	U	50.0	P	07/17/2025	20:16	LB136534
	Arsenic	5.12	+/-10	U	20.0	P	07/17/2025	20:16	LB136534
	Barium	14.6	+/-50	U	100	P	07/17/2025	20:16	LB136534
	Beryllium	0.56	+/-3	U	6.00	P	07/17/2025	20:16	LB136534
	Cadmium	0.50	+/-3	U	6.00	P	07/17/2025	20:16	LB136534
	Calcium	234	+/-1000	U	2000	P	07/17/2025	20:16	LB136534
	Chromium	2.12	+/-5	U	10.0	P	07/17/2025	20:16	LB136534
	Cobalt	2.26	+/-15	U	30.0	P	07/17/2025	20:16	LB136534
	Copper	4.60	+/-10	U	20.0	P	07/17/2025	20:16	LB136534
	Iron	23.4	+/-50	U	100	P	07/17/2025	20:16	LB136534
	Lead	2.30	+/-6	U	12.0	P	07/17/2025	20:16	LB136534
	Magnesium	244	+/-1000	U	2000	P	07/17/2025	20:16	LB136534
	Manganese	5.94	+/-10	U	20.0	P	07/17/2025	20:16	LB136534
	Nickel	3.06	+/-20	U	40.0	P	07/17/2025	20:16	LB136534
	Potassium	918	+/-1000	U	2000	P	07/17/2025	20:16	LB136534
	Selenium	9.64	+/-10	U	20.0	P	07/17/2025	20:16	LB136534
	Silver	1.62	+/-5	U	10.0	P	07/17/2025	20:16	LB136534
	Sodium	868	+/-1000	U	2000	P	07/17/2025	20:16	LB136534
	Thallium	4.38	+/-20	U	40.0	P	07/17/2025	20:16	LB136534
	Vanadium	6.26	+/-20	U	40.0	P	07/17/2025	20:16	LB136534
	Zinc	3.50	+/-20	U	40.0	P	07/17/2025	20:16	LB136534
CCB06	Aluminum	12.5	+/-50	J	100	P	07/17/2025	20:51	LB136534
	Antimony	6.76	+/-25	U	50.0	P	07/17/2025	20:51	LB136534
	Arsenic	5.12	+/-10	U	20.0	P	07/17/2025	20:51	LB136534
	Barium	14.6	+/-50	U	100	P	07/17/2025	20:51	LB136534
	Beryllium	0.56	+/-3	U	6.00	P	07/17/2025	20:51	LB136534
	Cadmium	0.50	+/-3	U	6.00	P	07/17/2025	20:51	LB136534
	Calcium	234	+/-1000	U	2000	P	07/17/2025	20:51	LB136534

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: CDM Smith **SDG No.:** Q2514

Contract: CAMP02 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB06	Chromium	2.12	+/-5	U	10.0	P	07/17/2025	20:51	LB136534
	Cobalt	2.26	+/-15	U	30.0	P	07/17/2025	20:51	LB136534
	Copper	4.60	+/-10	U	20.0	P	07/17/2025	20:51	LB136534
	Iron	23.4	+/-50	U	100	P	07/17/2025	20:51	LB136534
	Lead	2.30	+/-6	U	12.0	P	07/17/2025	20:51	LB136534
	Magnesium	244	+/-1000	U	2000	P	07/17/2025	20:51	LB136534
	Manganese	5.94	+/-10	U	20.0	P	07/17/2025	20:51	LB136534
	Nickel	3.06	+/-20	U	40.0	P	07/17/2025	20:51	LB136534
	Potassium	918	+/-1000	U	2000	P	07/17/2025	20:51	LB136534
	Selenium	9.64	+/-10	U	20.0	P	07/17/2025	20:51	LB136534
	Silver	1.62	+/-5	U	10.0	P	07/17/2025	20:51	LB136534
	Sodium	868	+/-1000	U	2000	P	07/17/2025	20:51	LB136534
	Thallium	4.38	+/-20	U	40.0	P	07/17/2025	20:51	LB136534
	Vanadium	6.26	+/-20	U	40.0	P	07/17/2025	20:51	LB136534
	Zinc	3.50	+/-20	U	40.0	P	07/17/2025	20:51	LB136534

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Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: CDM Smith **SDG No.:** Q2514

Instrument: CV1

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB168892BL		**SOLID**		**Batch Number:**	**PB168892**		**Prep Date:**	**07/15/2025**	
	Mercury	0.0070	<0.013	U	0.013	CV	07/16/2025	13:04	LB136499

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Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: CDM Smith **SDG No.:** Q2514

Instrument: P5

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB168740BL		**SOLID**		**Batch Number:**	**PB168740**		**Prep Date:**	**07/07/2025**	
	Aluminum	0.84	<2.5	U	5.00	P	07/11/2025	00:34	LB136434
	Antimony	0.22	<1.25	U	2.50	P	07/11/2025	00:34	LB136434
	Arsenic	0.19	<0.5	U	1.00	P	07/11/2025	00:34	LB136434
	Barium	0.73	<2.5	U	5.00	P	07/11/2025	00:34	LB136434
	Beryllium	0.025	<0.15	U	0.30	P	07/11/2025	00:34	LB136434
	Cadmium	0.024	<0.15	U	0.30	P	07/11/2025	00:34	LB136434
	Calcium	11.1	<50	U	100	P	07/11/2025	00:34	LB136434
	Chromium	0.047	<0.25	U	0.50	P	07/11/2025	00:34	LB136434
	Cobalt	0.10	<0.75	U	1.50	P	07/11/2025	00:34	LB136434
	Copper	0.22	<0.5	U	1.00	P	07/11/2025	00:34	LB136434
	Iron	3.99	<2.5	U	5.00	P	07/11/2025	00:34	LB136434
	Lead	0.13	<0.3	U	0.60	P	07/11/2025	00:34	LB136434
	Magnesium	12.0	<50	U	100	P	07/11/2025	00:34	LB136434
	Manganese	0.14	<0.5	U	1.00	P	07/11/2025	00:34	LB136434
	Nickel	0.13	<1	U	2.00	P	07/11/2025	00:34	LB136434
	Potassium	27.7	<50	U	100	P	07/11/2025	00:34	LB136434
	Selenium	0.26	<0.5	U	1.00	P	07/11/2025	00:34	LB136434
	Silver	0.12	<0.25	U	0.50	P	07/11/2025	00:34	LB136434
	Sodium	17.8	<50	U	100	P	07/11/2025	00:34	LB136434
	Thallium	0.23	<1	U	2.00	P	07/11/2025	00:34	LB136434
	Vanadium	0.25	<1	U	2.00	P	07/11/2025	00:34	LB136434
	Zinc	0.11	<1	U	2.00	P	07/11/2025	00:34	LB136434

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Metals
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INTERFERENCE CHECK SAMPLE

Client: CDM Smith **SDG No.:** Q2514

Contract: CAMP02 **Lab Code:** ACE

ICS Source: EPA **Instrument ID:** P5

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSA01	Aluminum	245000	250000	98	216000	294000	07/09/2025	10:31	LB136407
	Antimony	23.3			-50	50	07/09/2025	10:31	LB136407
	Arsenic	5.46			-20	20	07/09/2025	10:31	LB136407
	Barium	8.02	6.0	134	-94	106	07/09/2025	10:31	LB136407
	Beryllium	1.50			-6	6	07/09/2025	10:31	LB136407
	Cadmium	-0.43	1.0	43	-5	7	07/09/2025	10:31	LB136407
	Calcium	242000	240000	101	208000	282000	07/09/2025	10:31	LB136407
	Chromium	52.2	52.0	100	42	62	07/09/2025	10:31	LB136407
	Cobalt	27.0			-30	30	07/09/2025	10:31	LB136407
	Copper	-4.74	2.0	237	-18	22	07/09/2025	10:31	LB136407
	Iron	96800	100000	97	85600	116500	07/09/2025	10:31	LB136407
	Lead	-5.64			-12	12	07/09/2025	10:31	LB136407
	Magnesium	242000	260000	93	216000	294000	07/09/2025	10:31	LB136407
	Manganese	3.37	7.0	48	-13	27	07/09/2025	10:31	LB136407
	Nickel	13.5	2.0	675	-38	42	07/09/2025	10:31	LB136407
	Potassium	10.6			0	0	07/09/2025	10:31	LB136407
	Selenium	-11.2			-20	20	07/09/2025	10:31	LB136407
	Silver	-2.41			-10	10	07/09/2025	10:31	LB136407
	Sodium	119			0	0	07/09/2025	10:31	LB136407
	Thallium	16.7			-40	40	07/09/2025	10:31	LB136407
	Vanadium	1.75			-40	40	07/09/2025	10:31	LB136407
	Zinc	10.9			-40	40	07/09/2025	10:31	LB136407
ICSAB01	Aluminum	245000	250000	98	209000	285000	07/09/2025	10:35	LB136407
	Antimony	621	620	100	525	711	07/09/2025	10:35	LB136407
	Arsenic	98.6	100	99	88.4	120	07/09/2025	10:35	LB136407
	Barium	529	540	98	437	637	07/09/2025	10:35	LB136407
	Beryllium	514	500	103	420	570	07/09/2025	10:35	LB136407
	Cadmium	984	970	101	826	1120	07/09/2025	10:35	LB136407
	Calcium	241000	230000	105	199000	271000	07/09/2025	10:35	LB136407
	Chromium	555	540	103	460	624	07/09/2025	10:35	LB136407
	Cobalt	506	480	105	404	548	07/09/2025	10:35	LB136407
	Copper	479	510	94	434	588	07/09/2025	10:35	LB136407
	Iron	98200	99000	99	84400	114500	07/09/2025	10:35	LB136407
	Lead	38.6	49.0	79	37	61	07/09/2025	10:35	LB136407
	Magnesium	243000	250000	97	210000	286000	07/09/2025	10:35	LB136407
	Manganese	498	510	98	430	584	07/09/2025	10:35	LB136407
	Nickel	966	950	102	810	1100	07/09/2025	10:35	LB136407
	Potassium	9.40			0	0	07/09/2025	10:35	LB136407
	Selenium	40.2	46.0	87	26	66	07/09/2025	10:35	LB136407
	Silver	209	200	104	170	232	07/09/2025	10:35	LB136407
	Sodium	100			0	0	07/09/2025	10:35	LB136407
	Thallium	101	110	92	68	148	07/09/2025	10:35	LB136407

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Metals
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INTERFERENCE CHECK SAMPLE

Client: CDM Smith **SDG No.:** Q2514

Contract: CAMP02 **Lab Code:** ACE

ICS Source: EPA **Instrument ID:** P5

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSAB01	Vanadium	489	490	100	417	565	07/09/2025	10:35	LB136407
	Zinc	1030	950	108	809	1095	07/09/2025	10:35	LB136407
ICSA01	Aluminum	247000	250000	99	216000	294000	07/10/2025	19:11	LB136434
	Antimony	21.5			-50	50	07/10/2025	19:11	LB136434
	Arsenic	2.10			-20	20	07/10/2025	19:11	LB136434
	Barium	5.81	6.0	97	-94	106	07/10/2025	19:11	LB136434
	Beryllium	1.15			-6	6	07/10/2025	19:11	LB136434
	Cadmium	-0.49	1.0	49	-5	7	07/10/2025	19:11	LB136434
	Calcium	242000	240000	101	208000	282000	07/10/2025	19:11	LB136434
	Chromium	48.9	52.0	94	42	62	07/10/2025	19:11	LB136434
	Cobalt	25.0			-30	30	07/10/2025	19:11	LB136434
	Copper	-9.61	2.0	480	-18	22	07/10/2025	19:11	LB136434
	Iron	104000	100000	104	85600	116500	07/10/2025	19:11	LB136434
	Lead	0.44			-12	12	07/10/2025	19:11	LB136434
	Magnesium	252000	260000	97	216000	294000	07/10/2025	19:11	LB136434
	Manganese	2.89	7.0	41	-13	27	07/10/2025	19:11	LB136434
	Nickel	16.4	2.0	820	-38	42	07/10/2025	19:11	LB136434
	Potassium	5.28			0	0	07/10/2025	19:11	LB136434
	Selenium	4.66			-20	20	07/10/2025	19:11	LB136434
	Silver	-1.13			-10	10	07/10/2025	19:11	LB136434
	Sodium	100			0	0	07/10/2025	19:11	LB136434
	Thallium	17.8			-40	40	07/10/2025	19:11	LB136434
	Vanadium	4.92			-40	40	07/10/2025	19:11	LB136434
	Zinc	11.0			-40	40	07/10/2025	19:11	LB136434
ICSAB01	Aluminum	244000	250000	98	209000	285000	07/10/2025	19:15	LB136434
	Antimony	612	620	99	525	711	07/10/2025	19:15	LB136434
	Arsenic	92.1	100	92	88.4	120	07/10/2025	19:15	LB136434
	Barium	505	540	94	437	637	07/10/2025	19:15	LB136434
	Beryllium	505	500	101	420	570	07/10/2025	19:15	LB136434
	Cadmium	972	970	100	826	1120	07/10/2025	19:15	LB136434
	Calcium	239000	230000	104	199000	271000	07/10/2025	19:15	LB136434
	Chromium	548	540	102	460	624	07/10/2025	19:15	LB136434
	Cobalt	497	480	104	404	548	07/10/2025	19:15	LB136434
	Copper	468	510	92	434	588	07/10/2025	19:15	LB136434
	Iron	98700	99000	100	84400	114500	07/10/2025	19:15	LB136434
	Lead	43.4	49.0	89	37	61	07/10/2025	19:15	LB136434
	Magnesium	249000	250000	100	210000	286000	07/10/2025	19:15	LB136434
	Manganese	491	510	96	430	584	07/10/2025	19:15	LB136434
	Nickel	971	950	102	810	1100	07/10/2025	19:15	LB136434
	Potassium	0.96			0	0	07/10/2025	19:15	LB136434
	Selenium	52.3	46.0	114	26	66	07/10/2025	19:15	LB136434
	Silver	217	200	108	170	232	07/10/2025	19:15	LB136434

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Metals
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INTERFERENCE CHECK SAMPLE

Client: CDM Smith **SDG No.:** Q2514

Contract: CAMP02 **Lab Code:** ACE

ICS Source: EPA **Instrument ID:** P5

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSAB01	Sodium	88.1			0	0	07/10/2025	19:15	LB136434
	Thallium	99.2	110	90	68	148	07/10/2025	19:15	LB136434
	Vanadium	488	490	100	417	565	07/10/2025	19:15	LB136434
	Zinc	983	950	104	809	1095	07/10/2025	19:15	LB136434
ICSA01	Aluminum	243000	250000	97	216000	294000	07/17/2025	14:46	LB136534
	Antimony	20.2			-50	50	07/17/2025	14:46	LB136534
	Arsenic	-5.59			-20	20	07/17/2025	14:46	LB136534
	Barium	5.91	6.0	98	-94	106	07/17/2025	14:46	LB136534
	Beryllium	1.12			-6	6	07/17/2025	14:46	LB136534
	Cadmium	-0.95	1.0	95	-5	7	07/17/2025	14:46	LB136534
	Calcium	232000	240000	97	208000	282000	07/17/2025	14:46	LB136534
	Chromium	48.4	52.0	93	42	62	07/17/2025	14:46	LB136534
	Cobalt	21.5			-30	30	07/17/2025	14:46	LB136534
	Copper	-6.18	2.0	309	-18	22	07/17/2025	14:46	LB136534
	Iron	89400	100000	89	85600	116500	07/17/2025	14:46	LB136534
	Lead	1.20			-12	12	07/17/2025	14:46	LB136534
	Magnesium	242000	260000	93	216000	294000	07/17/2025	14:46	LB136534
	Manganese	3.52	7.0	50	-13	27	07/17/2025	14:46	LB136534
	Nickel	1.33	2.0	66	-38	42	07/17/2025	14:46	LB136534
	Potassium	3.55			0	0	07/17/2025	14:46	LB136534
	Selenium	-9.33			-20	20	07/17/2025	14:46	LB136534
	Silver	-1.63			-10	10	07/17/2025	14:46	LB136534
	Sodium	127			0	0	07/17/2025	14:46	LB136534
	Thallium	2.74			-40	40	07/17/2025	14:46	LB136534
	Vanadium	9.54			-40	40	07/17/2025	14:46	LB136534
	Zinc	11.6			-40	40	07/17/2025	14:46	LB136534
ICSAB01	Aluminum	243000	250000	97	209000	285000	07/17/2025	14:51	LB136534
	Antimony	586	620	94	525	711	07/17/2025	14:51	LB136534
	Arsenic	89.5	100	90	88.4	120	07/17/2025	14:51	LB136534
	Barium	490	540	91	437	637	07/17/2025	14:51	LB136534
	Beryllium	480	500	96	420	570	07/17/2025	14:51	LB136534
	Cadmium	954	970	98	826	1120	07/17/2025	14:51	LB136534
	Calcium	233000	230000	101	199000	271000	07/17/2025	14:51	LB136534
	Chromium	528	540	98	460	624	07/17/2025	14:51	LB136534
	Cobalt	493	480	103	404	548	07/17/2025	14:51	LB136534
	Copper	455	510	89	434	588	07/17/2025	14:51	LB136534
	Iron	90300	99000	91	84400	114500	07/17/2025	14:51	LB136534
	Lead	46.7	49.0	95	37	61	07/17/2025	14:51	LB136534
	Magnesium	242000	250000	97	210000	286000	07/17/2025	14:51	LB136534
	Manganese	475	510	93	430	584	07/17/2025	14:51	LB136534
	Nickel	941	950	99	810	1100	07/17/2025	14:51	LB136534
	Potassium	3.18			0	0	07/17/2025	14:51	LB136534

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INTERFERENCE CHECK SAMPLE

Client: CDM Smith **SDG No.:** Q2514

Contract: CAMP02 **Lab Code:** ACE

ICS Source: EPA **Instrument ID:** P5

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSAB01	Selenium	42.8	46.0	93	26	66	07/17/2025	14:51	LB136534
	Silver	204	200	102	170	232	07/17/2025	14:51	LB136534
	Sodium	145			0	0	07/17/2025	14:51	LB136534
	Thallium	91.9	110	84	68	148	07/17/2025	14:51	LB136534
	Vanadium	470	490	96	417	565	07/17/2025	14:51	LB136534
	Zinc	999	950	105	809	1095	07/17/2025	14:51	LB136534

METAL QC DATA

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metals
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MATRIX SPIKE SUMMARY

client: CDM Smith **level:** low **sdg no.:** Q2514

contract: CAMP02 **lab code:** ACE

matrix: Solid **sample id:** Q2487-16 **client id:** G1(6-12)MS

Percent Solids for Sample: 93.3 **Spiked ID:** Q2487-16MS **Percent Solids for Spike Sample:** 93.3

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 120	0.49		0.23		0.26	98		CV

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metals
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MATRIX SPIKE DUPLICATE SUMMARY

client: CDM Smith **level:** low **sdg no.:** Q2514

contract: CAMP02 **lab code:** ACE

matrix: Solid **sample id:** Q2487-16 **client id:** G1(6-12)MSD

Percent Solids for Sample: 93.3 **Spiked ID:** Q2487-16MSD **Percent Solids for Spike Sample:** 93.3

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 120	0.48		0.23		0.26	96		CV

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metals
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MATRIX SPIKE SUMMARY

client: CDM Smith **level:** low **sdg no.:** Q2514

contract: CAMP02 **lab code:** ACE

matrix: Solid **sample id:** Q2515-01 **client id:** WC-1MS

Percent Solids for Sample: 87.5 **Spiked ID:** Q2515-01MS **Percent Solids for Spike Sample:** 87.5

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	10900		10000		100	856		P
Antimony	mg/Kg	75 - 125	11.3		1.79	J	41.2	23	N	P
Arsenic	mg/Kg	75 - 125	39.8		1.42		41.2	93		P
Barium	mg/Kg	75 - 125	62.0		46.6		10.3	150		P
Beryllium	mg/Kg	75 - 125	8.21		0.55		10.3	74	N	P
Cadmium	mg/Kg	75 - 125	10.2		0.30	U	10.3	99		P
Calcium	mg/Kg	75 - 125	1950		2090		51.5	-272		P
Chromium	mg/Kg	75 - 125	42.9		27.0		20.6	77		P
Cobalt	mg/Kg	75 - 125	26.6		20.1		10.3	63	N	P
Copper	mg/Kg	75 - 125	28.0		19.4		15.4	56	N	P
Iron	mg/Kg	75 - 125	15800		18900		150	-1957		P
Lead	mg/Kg	75 - 125	57.2		7.18		51.5	97		P
Magnesium	mg/Kg	75 - 125	3230		3810		100	-560		P
Manganese	mg/Kg	75 - 125	812		693		10.3	1156		P
Nickel	mg/Kg	75 - 125	43.1		21.0		25.7	86		P
Potassium	mg/Kg	75 - 125	657		245		510	80		P
Selenium	mg/Kg	75 - 125	73.3		4.97		100	66	N	P
Silver	mg/Kg	75 - 125	2.39		0.50	U	3.9	62	N	P
Sodium	mg/Kg	75 - 125	266		203		150	41	N	P
Thallium	mg/Kg	75 - 125	94.8		2.01	U	100	92		P
Vanadium	mg/Kg	75 - 125	51.6		57.6		15.4	-39	N	P
Zinc	mg/Kg	75 - 125	40.8		31.9		10.3	87		P

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metals
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MATRIX SPIKE DUPLICATE SUMMARY

client: CDM Smith **level:** low **sdg no.:** Q2514

contract: CAMP02 **lab code:** ACE

matrix: Solid **sample id:** Q2515-01 **client id:** WC-1MSD

Percent Solids for Sample: 87.5 **Spiked ID:** Q2515-01MSD **Percent Solids for Spike Sample:** 87.5

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	10900		10000		110	818		P
Antimony	mg/Kg	75 - 125	12.9		1.79	J	42.5	26	N	P
Arsenic	mg/Kg	75 - 125	42.5		1.42		42.5	97		P
Barium	mg/Kg	75 - 125	51.3		46.6		10.6	44		P
Beryllium	mg/Kg	75 - 125	8.67		0.55		10.6	76		P
Cadmium	mg/Kg	75 - 125	10.5		0.30	U	10.6	99		P
Calcium	mg/Kg	75 - 125	1920		2090		53.2	-316		P
Chromium	mg/Kg	75 - 125	44.6		27.0		21.3	83		P
Cobalt	mg/Kg	75 - 125	27.6		20.1		10.6	70	N	P
Copper	mg/Kg	75 - 125	30.3		19.4		15.9	68	N	P
Iron	mg/Kg	75 - 125	18900		18900		160	53		P
Lead	mg/Kg	75 - 125	60.7		7.18		53.2	101		P
Magnesium	mg/Kg	75 - 125	3380		3810		110	-398		P
Manganese	mg/Kg	75 - 125	533		693		10.6	-1507		P
Nickel	mg/Kg	75 - 125	44.5		21.0		26.6	89		P
Potassium	mg/Kg	75 - 125	674		245		530	81		P
Selenium	mg/Kg	75 - 125	76.8		4.97		110	68	N	P
Silver	mg/Kg	75 - 125	1.99		0.50	U	4.0	50	N	P
Sodium	mg/Kg	75 - 125	295		203		160	58	N	P
Thallium	mg/Kg	75 - 125	97.4		2.01	U	110	92		P
Vanadium	mg/Kg	75 - 125	67.0		57.6		15.9	59	N	P
Zinc	mg/Kg	75 - 125	42.1		31.9		10.6	96		P

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Metals
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POST DIGEST SPIKE SUMMARY

Client: CDM Smith **SDG No.:** Q2514

Contract: CAMP02 **Lab Code:** ACE

Matrix: Solid **Level:** LOW **Client ID:** WC-1A

Sample ID: Q2515-01 **Spiked ID:** Q2515-01A

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Antimony	mg/Kg	75 - 125	30.9		1.79	J	40.1	73	N	P
Beryllium	mg/Kg	75 - 125	8.11		0.55		10.0	76		P
Cobalt	mg/Kg	75 - 125	29.6		20.1		10.0	95		P
Copper	mg/Kg	75 - 125	30.3		19.4		15.0	73	N	P
Selenium	mg/Kg	75 - 125	75.9		4.97		100	71	N	P
Silver	mg/Kg	75 - 125	1.61		0.50	U	3.80	42	N	P
Sodium	mg/Kg	75 - 125	304		203		150	68	N	P
Vanadium	mg/Kg	75 - 125	67.4		57.6		15.0	65	N	P

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DUPLICATE SAMPLE SUMMARY

Client: CDM Smith **Level:** LOW **SDG No.:** Q2514

Contract: CAMP02 **Lab Code:** ACE

Matrix: Solid **Sample ID:** Q2487-16 **Client ID:** G1(6-12)DUP

Percent Solids for Sample: 93.3 **Duplicate ID** Q2487-16DUP **Percent Solids for Spike Sample:** 93.3

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	mg/Kg	20	0.23		0.24		4		CV

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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DUPLICATE SAMPLE SUMMARY

Client: CDM Smith **Level:** LOW **SDG No.:** Q2514

Contract: CAMP02 **Lab Code:** ACE

Matrix: Solid **Sample ID:** Q2487-16MS **Client ID:** G1(6-12)MSD

Percent Solids for Sample: 93.3 **Duplicate ID** Q2487-16MSD **Percent Solids for Spike Sample:** 93.3

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	mg/Kg	20	0.49		0.48		2		CV

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: CDM Smith **Level:** LOW **SDG No.:** Q2514

Contract: CAMP02 **Lab Code:** ACE

Matrix: Solid **Sample ID:** Q2515-01 **Client ID:** WC-1DUP

Percent Solids for Sample: 87.5 **Duplicate ID** Q2515-01DUP **Percent Solids for Spike Sample:** 87.5

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	10000		9470		5		P
Antimony	mg/Kg	20	1.79	J	1.71	J	5		P
Arsenic	mg/Kg	20	1.42		1.66		16		P
Barium	mg/Kg	20	46.6		41.2		12		P
Beryllium	mg/Kg	20	0.55		0.55		1		P
Cadmium	mg/Kg	20	0.30	U	0.29	U			P
Calcium	mg/Kg	20	2090		2040		2		P
Chromium	mg/Kg	20	27.0		26.6		1		P
Cobalt	mg/Kg	20	20.1		19.6		3		P
Copper	mg/Kg	20	19.4		18.8		3		P
Iron	mg/Kg	20	18900		18800		1		P
Lead	mg/Kg	20	7.18		10.0		33	*	P
Magnesium	mg/Kg	20	3810		3930		3		P
Manganese	mg/Kg	20	693		600		14		P
Nickel	mg/Kg	20	21.0		20.7		1		P
Potassium	mg/Kg	20	245		230		6		P
Selenium	mg/Kg	20	4.97		5.08		2		P
Silver	mg/Kg	20	0.50	U	0.48	U			P
Sodium	mg/Kg	20	203		194		5		P
Thallium	mg/Kg	20	2.01	U	1.91	U			P
Vanadium	mg/Kg	20	57.6		57.5		0		P
Zinc	mg/Kg	20	31.9		32.3		1		P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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DUPLICATE SAMPLE SUMMARY

Client: CDM Smith **Level:** LOW **SDG No.:** Q2514

Contract: CAMP02 **Lab Code:** ACE

Matrix: Solid **Sample ID:** Q2515-01MS **Client ID:** WC-1MSD

Percent Solids for Sample: 87.5 **Duplicate ID** Q2515-01MSD **Percent Solids for Spike Sample:** 87.5

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	10900		10900		0		P
Antimony	mg/Kg	20	11.3		12.9		13		P
Arsenic	mg/Kg	20	39.8		42.5		7		P
Barium	mg/Kg	20	62.0		51.3		19		P
Beryllium	mg/Kg	20	8.21		8.67		5		P
Cadmium	mg/Kg	20	10.2		10.5		4		P
Calcium	mg/Kg	20	1950		1920		2		P
Chromium	mg/Kg	20	42.9		44.6		4		P
Cobalt	mg/Kg	20	26.6		27.6		4		P
Copper	mg/Kg	20	28.0		30.3		8		P
Iron	mg/Kg	20	15800		18900		18		P
Lead	mg/Kg	20	57.2		60.7		6		P
Magnesium	mg/Kg	20	3230		3380		5		P
Manganese	mg/Kg	20	812		533		41	*	P
Nickel	mg/Kg	20	43.1		44.5		3		P
Potassium	mg/Kg	20	657		674		3		P
Selenium	mg/Kg	20	73.3		76.8		5		P
Silver	mg/Kg	20	2.39		1.99		18		P
Sodium	mg/Kg	20	266		295		10		P
Thallium	mg/Kg	20	94.8		97.4		3		P
Vanadium	mg/Kg	20	51.6		67.0		26	*	P
Zinc	mg/Kg	20	40.8		42.1		3		P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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LABORATORY CONTROL SAMPLE SUMMARY

Client: CDM Smith **SDG No.:** Q2514

Contract: CAMP02 **Lab Code:** ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB168740BS							
Aluminum	mg/Kg	100	98.9		99	80 - 120	P
Antimony	mg/Kg	40.0	40.0		100	80 - 120	P
Arsenic	mg/Kg	40.0	35.6		89	80 - 120	P
Barium	mg/Kg	10.0	9.99		100	80 - 120	P
Beryllium	mg/Kg	10.0	10.7		107	80 - 120	P
Cadmium	mg/Kg	10.0	9.41		94	80 - 120	P
Calcium	mg/Kg	50.0	51.1	J	102	80 - 120	P
Chromium	mg/Kg	20.0	20.3		102	80 - 120	P
Cobalt	mg/Kg	10.0	9.53		95	80 - 120	P
Copper	mg/Kg	15.0	16.3		109	80 - 120	P
Iron	mg/Kg	150	170		113	80 - 120	P
Lead	mg/Kg	50.0	47.1		94	80 - 120	P
Magnesium	mg/Kg	100	101		101	80 - 120	P
Manganese	mg/Kg	10.0	10.4		104	80 - 120	P
Nickel	mg/Kg	25.0	24.0		96	80 - 120	P
Potassium	mg/Kg	500	477		95	80 - 120	P
Selenium	mg/Kg	100	98.5		98	80 - 120	P
Silver	mg/Kg	3.8	3.56		94	80 - 120	P
Sodium	mg/Kg	150	157		105	80 - 120	P
Thallium	mg/Kg	100	99.9		100	80 - 120	P
Vanadium	mg/Kg	15.0	14.8		99	80 - 120	P
Zinc	mg/Kg	10.0	10.3		103	80 - 120	P

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LABORATORY CONTROL SAMPLE SUMMARY

Client: CDM Smith **SDG No.:** Q2514

Contract: CAMP02 **Lab Code:** ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB168892BS							
Mercury	mg/Kg	0.25	0.24		98	80 - 120	CV

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ICP SERIAL DILUTIONS

SAMPLE NO.

G1(6-12)L

Lab Name: Alliance **Contract:** CAMP02

Lab Code: ACE **Lb No.:** lb136499 **Lab Sample ID :** Q2487-16L **SDG No.:** Q2514

Matrix (soil/water): Solid **Level (low/med):** LOW

Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Mercury	0.23		0.26		14		CV

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Metals

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ICP SERIAL DILUTIONS

SAMPLE NO.

WC-1L

Lab Name: Alliance **Contract:** CAMP02

Lab Code: ACE **Lb No.:** lb136534 **Lab Sample ID :** Q2515-01L **SDG No.:** Q2514

Matrix (soil/water): Solid **Level (low/med):** LOW

Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Aluminum	10000		11800		17		P
Antimony	1.79	J	1.98	J	11		P
Arsenic	1.42		3.05	J	115		P
Barium	46.6		55.3		19		P
Beryllium	0.55		0.64	J	17		P
Cadmium	0.30	U	1.50	U			P
Calcium	2090		2520		20		P
Chromium	27.0		31.6		17		P
Cobalt	20.1		19.2		5		P
Copper	19.4		24.6		27		P
Iron	18900		27800		47		P
Lead	7.18		8.07		12		P
Magnesium	3810		4610		21		P
Manganese	693		842		21		P
Nickel	21.0		19.6		6		P
Potassium	245		241	J	2		P
Selenium	4.97		7.51		51		P
Silver	0.50	U	2.51	U			P
Sodium	203		248	J	22		P
Thallium	2.01	U	10.0	U			P
Vanadium	57.6		66.0		14		P
Zinc	31.9		38.8		22		P

METAL PREPARATION & INSTRUMENT DATA

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ICP INTERELEMENT CORRECTION FACTORS

Client: CDM Smith **SDG No.:** Q2514

Contract: CAMP02 **Lab Code:** ACE

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Al	Ca	Fe	Mg	Ag
Aluminum	396.100	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	0.0000000	0.0000000	-0.0000720	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

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ICP INTERELEMENT CORRECTION FACTORS

Client: CDM Smith **SDG No.:** Q2514

Contract: CAMP02 **Lab Code:** ACE

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: As	Ba	Be	Cd	Co
Aluminum	396.100	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

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ICP INTERELEMENT CORRECTION FACTORS

Client: CDM Smith **SDG No.:** Q2514

Contract: CAMP02 **Lab Code:** ACE

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Cr	Cu	K	Mn	Mo
Aluminum	396.100	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0001020
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: CDM Smith **SDG No.:** Q2514

Contract: CAMP02 **Lab Code:** ACE

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Na	Ni	Pb	Sb	Se
Aluminum	396.100	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: CDM Smith **SDG No.:** Q2514

Contract: CAMP02 **Lab Code:** ACE

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Sn	Ti	Tl	V	Zn
Aluminum	396.100	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	-0.0004810
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

METAL PREPARATION & ANALYICAL SUMMARY

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SAMPLE PREPARATION SUMMARY

Client: CDM Smith **SDG No.:** Q2514

Contract: CAMP02 **Lab Code:** ACE **Method:**

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB168740**						
PB168740BL	PB168740BL	MB	SOLID	07/07/2025	2.00	100.0	100.00
PB168740BS	PB168740BS	LCS	SOLID	07/07/2025	2.00	100.0	100.00
Q2514-01	TP-92	SAM	SOLID	07/07/2025	2.29	100.0	87.40
Q2514-02	TP-93	SAM	SOLID	07/07/2025	2.27	100.0	87.70
Q2514-03	TP-94	SAM	SOLID	07/07/2025	2.37	100.0	88.10
Q2514-04	TP-96	SAM	SOLID	07/07/2025	2.36	100.0	85.80
Q2514-05	TP-97	SAM	SOLID	07/07/2025	2.45	100.0	85.00
Q2514-06	TP-103	SAM	SOLID	07/07/2025	2.18	100.0	86.50
Q2514-07	TP-36	SAM	SOLID	07/07/2025	2.37	100.0	90.30
Q2514-08	TP-78	SAM	SOLID	07/07/2025	2.42	100.0	86.30
Q2514-09	TP-81	SAM	SOLID	07/07/2025	2.17	100.0	86.30
Q2514-10	TP-90	SAM	SOLID	07/07/2025	2.21	100.0	91.60
Q2515-01DUP	WC-1DUP	DUP	SOLID	07/07/2025	2.39	100.0	87.50
Q2515-01MS	WC-1MS	MS	SOLID	07/07/2025	2.22	100.0	87.50
Q2515-01MSD	WC-1MSD	MSD	SOLID	07/07/2025	2.15	100.0	87.50

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Metals
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SAMPLE PREPARATION SUMMARY

Client: CDM Smith **SDG No.:** Q2514

Contract: CAMP02 **Lab Code:** ACE **Method:**

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB168892**						
PB168892BL	PB168892BL	MB	SOLID	07/15/2025	0.55	35.0	100.00
PB168892BS	PB168892BS	LCS	SOLID	07/15/2025	0.57	35.0	100.00
Q2487-16DUP	G1(6-12)DUP	DUP	SOLID	07/15/2025	0.59	35.0	93.30
Q2487-16MS	G1(6-12)MS	MS	SOLID	07/15/2025	0.58	35.0	93.30
Q2487-16MSD	G1(6-12)MSD	MSD	SOLID	07/15/2025	0.57	35.0	93.30
Q2514-01	TP-92	SAM	SOLID	07/15/2025	0.56	35.0	87.40
Q2514-02	TP-93	SAM	SOLID	07/15/2025	0.57	35.0	87.70
Q2514-03	TP-94	SAM	SOLID	07/15/2025	0.56	35.0	88.10
Q2514-04	TP-96	SAM	SOLID	07/15/2025	0.56	35.0	85.80
Q2514-05	TP-97	SAM	SOLID	07/15/2025	0.55	35.0	85.00
Q2514-06	TP-103	SAM	SOLID	07/15/2025	0.58	35.0	86.50
Q2514-07	TP-36	SAM	SOLID	07/15/2025	0.51	35.0	90.30
Q2514-08	TP-78	SAM	SOLID	07/15/2025	0.54	35.0	86.30
Q2514-09	TP-81	SAM	SOLID	07/15/2025	0.52	35.0	86.30
Q2514-10	TP-90	SAM	SOLID	07/15/2025	0.56	35.0	91.60

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ANALYSIS RUN LOG

Client: CDM Smith **Contract:** CAMP02

Lab code: ACE **Sdg no.:** Q2514

Instrument id number: **Method:** **Run number:** LB136407

Start date: 07/09/2025 **End date:** 07/09/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	0939	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S1	S1	1	0944	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S2	S2	1	0948	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S3	S3	1	0952	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S4	S4	1	0957	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S5	S5	1	1001	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICV01	ICV01	1	1005	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
LLICV01	LLICV01	1	1017	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICB01	ICB01	1	1022	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CRI01	CRI01	1	1026	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSA01	ICSA01	1	1031	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSAB01	ICSAB01	1	1035	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV01	CCV01	1	1048	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB01	CCB01	1	1057	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV02	CCV02	1	1147	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB02	CCB02	1	1156	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV03	CCV03	1	1254	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB03	CCB03	1	1258	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV04	CCV04	1	1405	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB04	CCB04	1	1428	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV05	CCV05	1	1527	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB05	CCB05	1	1533	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV06	CCV06	1	1639	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB06	CCB06	1	1643	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV07	CCV07	1	1750	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB07	CCB07	1	1754	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV08	CCV08	1	1854	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB08	CCB08	1	1858	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2514-01	TP-92	1	1934	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2514-02	TP-93	1	1939	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2514-03	TP-94	1	1943	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV09	CCV09	1	1948	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB09	CCB09	1	1952	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2514-04	TP-96	1	1956	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2514-05	TP-97	1	2001	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2514-06	TP-103	1	2005	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2514-07	TP-36	1	2010	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2514-08	TP-78	1	2014	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2514-09	TP-81	1	2019	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2514-10	TP-90	1	2023	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV10	CCV10	1	2041	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn

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ANALYSIS RUN LOG

Client: CDM Smith **Contract:** CAMP02

Lab code: ACE **Sdg no.:** Q2514

Instrument id number: **Method:** **Run number:** LB136407

Start date: 07/09/2025 **End date:** 07/09/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
CCB10	CCB10	1	2045	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV11	CCV11	1	2112	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB11	CCB11	1	2116	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn

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metals
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ANALYSIS RUN LOG

Client: CDM Smith **Contract:** CAMP02

Lab code: ACE **Sdg no.:** Q2514

Instrument id number: **Method:** **Run number:** LB136434

Start date: 07/10/2025 **End date:** 07/11/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1646	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S1	S1	1	1650	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S2	S2	1	1655	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S3	S3	1	1659	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S4	S4	1	1703	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S5	S5	1	1707	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICV01	ICV01	1	1839	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
LLICV01	LLICV01	1	1851	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICB01	ICB01	1	1855	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CRI01	CRI01	1	1901	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSA01	ICSA01	1	1911	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSAB01	ICSAB01	1	1915	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV01	CCV01	1	1943	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB01	CCB01	1	1954	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV02	CCV02	1	2059	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB02	CCB02	1	2104	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV03	CCV03	1	2232	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB03	CCB03	1	2236	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV04	CCV04	1	2329	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB04	CCB04	1	2353	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB168740BL	PB168740BL	1	0034	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB168740BS	PB168740BS	1	0038	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV05	CCV05	1	0047	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB05	CCB05	1	0051	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV06	CCV06	1	0147	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB06	CCB06	1	0223	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV07	CCV07	1	0317	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB07	CCB07	1	0326	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV08	CCV08	1	0418	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB08	CCB08	1	0427	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV09	CCV09	1	0519	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB09	CCB09	1	0524	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV10	CCV10	1	0616	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB10	CCB10	1	0621	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV11	CCV11	1	0643	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB11	CCB11	1	0647	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn

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metals
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ANALYSIS RUN LOG

Client: CDM Smith **Contract:** CAMP02

Lab code: ACE **Sdg no.:** Q2514

Instrument id number: **Method:** **Run number:** LB136499

Start date: 07/16/2025 **End date:** 07/16/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1142	HG
S0.2	S0.2	1	1144	HG
S2.5	S2.5	1	1146	HG
S5	S5	1	1149	HG
S7.5	S7.5	1	1151	HG
S10	S10	1	1153	HG
ICV29	ICV29	1	1156	HG
ICB29	ICB29	1	1159	HG
CCV09	CCV09	1	1201	HG
CCB09	CCB09	1	1203	HG
CRA	CRA	1	1206	HG
CCV10	CCV10	1	1238	HG
CCB10	CCB10	1	1243	HG
PB168892BL	PB168892BL	1	1304	HG
PB168892BS	PB168892BS	1	1309	HG
CCV11	CCV11	1	1312	HG
CCB11	CCB11	1	1314	HG
Q2487-16DUP	G1(6-12)DUP	1	1335	HG
Q2487-16MS	G1(6-12)MS	1	1337	HG
CCV12	CCV12	1	1340	HG
CCB12	CCB12	1	1342	HG
Q2487-16MSD	G1(6-12)MSD	1	1345	HG
Q2514-01	TP-92	1	1347	HG
Q2514-02	TP-93	1	1349	HG
Q2514-03	TP-94	1	1351	HG
Q2514-04	TP-96	1	1354	HG
Q2514-05	TP-97	1	1356	HG
Q2514-06	TP-103	1	1358	HG
Q2514-07	TP-36	1	1401	HG
Q2514-08	TP-78	1	1403	HG
Q2514-09	TP-81	1	1405	HG
CCV13	CCV13	1	1407	HG
CCB13	CCB13	1	1410	HG
Q2514-10	TP-90	1	1412	HG
Q2487-16L	G1(6-12)L	5	1419	HG
CCV14	CCV14	1	1425	HG
CCB14	CCB14	1	1428	HG

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

metals
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ANALYSIS RUN LOG

Client: CDM Smith **Contract:** CAMP02

Lab code: ACE **Sdg no.:** Q2514

Instrument id number: **Method:** **Run number:** LB136534

Start date: 07/17/2025 **End date:** 07/17/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1323	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S1	S1	1	1328	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S2	S2	1	1333	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S3	S3	1	1338	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S4	S4	1	1343	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S5	S5	1	1348	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICV01	ICV01	1	1414	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
LLICV01	LLICV01	1	1424	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICB01	ICB01	1	1429	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CRI01	CRI01	1	1439	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSA01	ICSA01	1	1446	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSAB01	ICSAB01	1	1451	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV01	CCV01	1	1456	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB01	CCB01	1	1501	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2515-01DUP	WC-1DUP	1	1514	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2515-01MS	WC-1MS	1	1524	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2515-01MSD	WC-1MSD	1	1529	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2515-01A	WC-1A	1	1534	Ag,Be,Co,Cu,Na,Sb,Se,V
Q2515-01L	WC-1L	5	1539	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV02	CCV02	1	1544	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB02	CCB02	1	1549	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV03	CCV03	1	1718	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB03	CCB03	1	1736	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV04	CCV04	1	1845	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB04	CCB04	1	1850	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV05	CCV05	1	2011	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB05	CCB05	1	2016	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV06	CCV06	1	2046	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB06	CCB06	1	2051	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn