

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VY0516SBS01	SDG No.:	Q1982
Lab Sample ID:	VY0516SBS01	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:	Prep Date	Date Analyzed	Prep Batch ID
VY022279.D	1		05/16/25 10:09	VY051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	21.1		1.10	5.00	ug/Kg
74-87-3	Chloromethane	24.4		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	24.1		0.79	5.00	ug/Kg
74-83-9	Bromomethane	26.5		1.10	5.00	ug/Kg
75-00-3	Chloroethane	24.7		1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	22.2		1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	21.0		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	20.8		1.00	5.00	ug/Kg
67-64-1	Acetone	85.5		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	20.3		0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	19.8		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	20.0		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	20.3		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	19.8		0.79	5.00	ug/Kg
78-93-3	2-Butanone	91.5		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	19.8		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	19.7		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	20.6		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	19.6		0.91	5.00	ug/Kg
71-43-2	Benzene	20.1		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	20.1		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	20.4		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	19.4		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	20.2		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	90.9		3.60	25.0	ug/Kg
108-88-3	Toluene	19.5		0.78	5.00	ug/Kg

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10061-02-6	t-1,3-Dichloropropene	18.9		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	19.3		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	19.7		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	89.2		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	19.6		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	19.8		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	19.8		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	19.7		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	19.0		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	38.4		1.20	10.0	ug/Kg
95-47-6	o-Xylene	19.4		0.82	5.00	ug/Kg
100-42-5	Styrene	18.9		0.71	5.00	ug/Kg
75-25-2	Bromoform	18.4		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	19.3		0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	19.1		1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	18.4		1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	18.9		1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	19.1		1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	19.0		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	19.3		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	18.7		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.1		63 - 155	102%	SPK: 50
1868-53-7	Dibromofluoromethane	50.8		70 - 134	102%	SPK: 50
2037-26-5	Toluene-d8	50.9		74 - 123	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.4		38 - 136	99%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	205000	7.707			
540-36-3	1,4-Difluorobenzene	352000	8.616			
3114-55-4	Chlorobenzene-d5	300000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	141000	13.346			

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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