

Report of Analysis

Client:	CDM Smith	Date Collected:	04/28/25
Project:	Con Ed UTEN Mount Vernon, NY	Date Received:	04/29/25
Client Sample ID:	SS-9	SDG No.:	Q1914
Lab Sample ID:	Q1914-12	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	87.1
Sample Wt/Vol:	30.07	Units:	g
Soil Aliquot Vol:			uL
Extraction Type :		Decanted :	N
Injection Volume :		GPC Factor :	1.0
Prep Method :	SW3541	Level :	LOW
		Test:	SVOCMS Group3
		Final Vol:	1000
		GPC Cleanup :	N
		PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM050085.D	1	04/30/25 11:00	05/02/25 14:39	PB167803

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	26.0	U	26.0	190	ug/Kg
208-96-8	Acenaphthylene	33.1	U	33.1	190	ug/Kg
83-32-9	Acenaphthene	24.4	U	24.4	190	ug/Kg
86-73-7	Fluorene	29.0	U	29.0	190	ug/Kg
85-01-8	Phenanthrene	76.7	J	23.9	190	ug/Kg
120-12-7	Anthracene	38.1	U	38.1	190	ug/Kg
206-44-0	Fluoranthene	170	J	34.4	190	ug/Kg
129-00-0	Pyrene	170	J	41.2	190	ug/Kg
56-55-3	Benzo(a)anthracene	84.2	J	26.3	190	ug/Kg
218-01-9	Chrysene	78.1	J	22.8	190	ug/Kg
205-99-2	Benzo(b)fluoranthene	110	J	21.8	190	ug/Kg
207-08-9	Benzo(k)fluoranthene	25.7	U	25.7	190	ug/Kg
50-32-8	Benzo(a)pyrene	80.8	J	33.8	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	33.3	U	33.3	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	31.4	U	31.4	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	29.4	U	29.4	190	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	60.3		18 - 112	40%	SPK: 150
13127-88-3	Phenol-d6	63.9		15 - 107	43%	SPK: 150
4165-60-0	Nitrobenzene-d5	35.7		18 - 107	36%	SPK: 100
321-60-8	2-Fluorobiphenyl	34.8		20 - 109	35%	SPK: 100
118-79-6	2,4,6-Tribromophenol	72.5		10 - 116	48%	SPK: 150
1718-51-0	Terphenyl-d14	40.2		10 - 105	40%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	436000	7.745			
1146-65-2	Naphthalene-d8	1640000	10.539			
15067-26-2	Acenaphthene-d10	1200000	14.392			
1517-22-2	Phenanthrene-d10	2550000	17.145			
1719-03-5	Chrysene-d12	2200000	21.386			

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1520-96-3	Perylene-d12	1690000	24.374			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	150	A		4.87	ug/Kg
000119-61-9	Benzophenone	150	J		15.8	ug/Kg
000057-10-3	n-Hexadecanoic acid	180	J		18.0	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	190	J		21.3	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