

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-5	SDG No.:	Q1914
Lab Sample ID:	Q1914-06	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	89.7
Sample Wt/Vol:	30.04	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
BM050086.D	1	04/30/25 11:00	05/02/25 15:19	PB167803

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	75.0	J	25.3	190	ug/Kg
208-96-8	Acenaphthylene	32.2	U	32.2	190	ug/Kg
83-32-9	Acenaphthene	120	J	23.7	190	ug/Kg
86-73-7	Fluorene	260		28.2	190	ug/Kg
85-01-8	Phenanthrene	200		23.3	190	ug/Kg
120-12-7	Anthracene	92.0	J	37.1	190	ug/Kg
206-44-0	Fluoranthene	320		33.4	190	ug/Kg
129-00-0	Pyrene	440		40.1	190	ug/Kg
56-55-3	Benzo(a)anthracene	110	J	25.6	190	ug/Kg
218-01-9	Chrysene	120	J	22.2	190	ug/Kg
205-99-2	Benzo(b)fluoranthene	150	J	21.2	190	ug/Kg
207-08-9	Benzo(k)fluoranthene	24.9	U	24.9	190	ug/Kg
50-32-8	Benzo(a)pyrene	120	J	32.8	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	32.4	U	32.4	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	30.5	U	30.5	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	82.8	J	28.6	190	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	66.6		18 - 112	44%	SPK: 150
13127-88-3	Phenol-d6	68.2		15 - 107	45%	SPK: 150
4165-60-0	Nitrobenzene-d5	42.4		18 - 107	42%	SPK: 100
321-60-8	2-Fluorobiphenyl	40.8		20 - 109	41%	SPK: 100
118-79-6	2,4,6-Tribromophenol	79.2		10 - 116	53%	SPK: 150
1718-51-0	Terphenyl-d14	46.6		10 - 105	47%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	523000	7.745			
1146-65-2	Naphthalene-d8	1760000	10.539			
15067-26-2	Acenaphthene-d10	1070000	14.398			
1517-22-2	Phenanthrene-d10	2050000	17.151			
1719-03-5	Chrysene-d12	1460000	21.386			

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1520-96-3	Perylene-d12	1530000	24.374			
TENTATIVE IDENTIFIED COMPOUNDS						
000934-80-5	Benzene, 4-ethyl-1,2-dimethyl-	570	J		8.85	ug/Kg
001120-21-4	Undecane	630	J		8.97	ug/Kg
002051-30-1	Octane, 2,6-dimethyl-	560	J		11.6	ug/Kg
017302-32-8	Nonane, 3,7-dimethyl-	1000	J		12.9	ug/Kg
001002-43-3	Undecane, 3-methyl-	690	J		13.2	ug/Kg
001076-61-5	Naphthalene, 1,2,3,4-tetrahydro-6,	500	J		13.3	ug/Kg
003891-99-4	2,6,10-Trimethyltridecane	1200	J		13.9	ug/Kg
001127-76-0	Naphthalene, 1-ethyl-	660	J		14.1	ug/Kg
080655-44-3	Decahydro-1,1,4a,5,6-pentamethylna	580	J		14.2	ug/Kg
000629-62-9	Pentadecane	780	J		14.3	ug/Kg
1000382-54-3	Carbonic acid, eicosyl vinyl ester	540	J		14.9	ug/Kg
000829-26-5	Naphthalene, 2,3,6-trimethyl-	570	J		15.0	ug/Kg
003892-00-0	Pentadecane, 2,6,10-trimethyl-	1300	J		15.7	ug/Kg
001921-70-6	Pentadecane, 2,6,10,14-tetramethyl	3100	J		16.1	ug/Kg
001624-22-2	1H,2H,3H-Cyclopenta[a]naphthalen-5	640	J		16.5	ug/Kg
000629-59-4	Tetradecane	2000	J		17.0	ug/Kg
000544-76-3	Hexadecane	820	J		17.6	ug/Kg
000544-77-4	Hexadecane, 1-iodo-	580	J		17.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	840	J		18.1	ug/Kg
000112-63-0	9,12-Octadecadienoic acid (Z,Z)-,	1200	J		19.0	ug/Kg
91-57-6	2-Methylnaphthalene	170	J		12.2	ug/Kg
Total PAH	Total PAH	2100	J		14.5	ug/Kg
132-64-9	Dibenzofuran	91.1	J		14.8	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	190	J		21.3	ug/Kg
90-12-0	1-Methylnaphthalene	110	J		12.4	ug/Kg

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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