

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-6	SDG No.:	Q1914
Lab Sample ID:	Q1914-07	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	83.8
Sample Wt/Vol:	8.34 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022113.D	1		05/01/25 17:37	VY050125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
71-43-2	Benzene	12.3		0.57	3.60	ug/Kg
108-88-3	Toluene	21.5		0.56	3.60	ug/Kg
100-41-4	Ethyl Benzene	240	E	0.48	3.60	ug/Kg
1330-20-7	Total Xylenes	1540	E	1.48	10.8	ug/Kg
98-82-8	Isopropylbenzene	71.9		0.56	3.60	ug/Kg
103-65-1	n-propylbenzene	180	E	0.52	3.60	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	440	E	0.59	3.60	ug/Kg
98-06-6	tert-Butylbenzene	0.48	U	0.48	3.60	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	760	E	0.46	3.60	ug/Kg
135-98-8	sec-Butylbenzene	72.3		0.47	3.60	ug/Kg
99-87-6	p-Isopropyltoluene	51.0		0.44	3.60	ug/Kg
104-51-8	n-Butylbenzene	100		1.00	3.60	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	35.5		63 - 155	71%	SPK: 50
1868-53-7	Dibromofluoromethane	45.1		70 - 134	90%	SPK: 50
2037-26-5	Toluene-d8	54.9		74 - 123	110%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.3		38 - 136	109%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	547000	7.707			
540-36-3	1,4-Difluorobenzene	868000	8.616			
3114-55-4	Chlorobenzene-d5	697000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	327000	13.346			
TENTATIVE IDENTIFIED COMPOUNDS						
000111-65-9	Octane	300	J		10.3	ug/Kg
002216-34-4	Octane, 4-methyl-	550	J		11.2	ug/Kg
002216-33-3	Octane, 3-methyl-	310	J		11.3	ug/Kg
001678-92-8	Cyclohexane, propyl-	250	J		12.2	ug/Kg
000611-14-3	Benzene, 1-ethyl-2-methyl-	380	J		12.7	ug/Kg
000622-97-9	Benzene, 1-ethenyl-4-methyl-	270	J		13.5	ug/Kg
001120-21-4	Undecane	560	J		13.7	ug/Kg
1000152-47-3	trans-Decalin, 2-methyl-	230	J		14.2	ug/Kg

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000112-40-3	Dodecane	270	J		14.5	ug/Kg
002039-89-6	Benzene, 2-ethenyl-1,4-dimethyl-	360	J		14.6	ug/Kg
110-82-7	Cyclohexane	39.0	J		7.70	ug/Kg
Total VOC TICs	Total VOC TICs	3480	J		128	ug/Kg
108-87-2	Methylcyclohexane	160	J		9.11	ug/Kg
179601-23-1	m/p-Xylenes	1100	J		11.6	ug/Kg
95-47-6	o-Xylene	440	J		12.0	ug/Kg
ABZT	Alkylbenzenes, Total	1700	J		12.6	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