

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-91	SDG No.:	Q1914
Lab Sample ID:	Q1914-02	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	86.5
Sample Wt/Vol:	7.6 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
VY022108.D	1		05/01/25 15:28	VY050125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
71-43-2	Benzene	0.60	U	0.60	3.80	ug/Kg
108-88-3	Toluene	0.59	U	0.59	3.80	ug/Kg
100-41-4	Ethyl Benzene	0.51	U	0.51	3.80	ug/Kg
1330-20-7	Total Xylenes	1.56	U	1.56	11.4	ug/Kg
98-82-8	Isopropylbenzene	0.59	U	0.59	3.80	ug/Kg
103-65-1	n-propylbenzene	0.56	U	0.56	3.80	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	0.87	J	0.62	3.80	ug/Kg
98-06-6	tert-Butylbenzene	0.51	U	0.51	3.80	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	0.49	U	0.49	3.80	ug/Kg
135-98-8	sec-Butylbenzene	0.50	U	0.50	3.80	ug/Kg
99-87-6	p-Isopropyltoluene	0.47	U	0.47	3.80	ug/Kg
104-51-8	n-Butylbenzene	1.10	U	1.10	3.80	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	43.1		63 - 155	86%	SPK: 50
1868-53-7	Dibromofluoromethane	46.8		70 - 134	94%	SPK: 50
2037-26-5	Toluene-d8	48.4		74 - 123	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.5		38 - 136	89%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	377000	7.707			
540-36-3	1,4-Difluorobenzene	687000	8.615			
3114-55-4	Chlorobenzene-d5	619000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	255000	13.346			
TENTATIVE IDENTIFIED COMPOUNDS						
001120-21-4	Undecane	5.50	J		13.7	ug/Kg
000527-84-4	o-Cymene	7.80	J		13.9	ug/Kg
001595-16-0	unknown14.529	4.20	J		14.5	ug/Kg
002039-89-6	Benzene, 2-ethenyl-1,4-dimethyl-	6.70	J		14.6	ug/Kg
004920-99-4	Benzene, 1-ethyl-3-(1-methylethyl)	4.80	J		14.9	ug/Kg
006682-71-9	1H-Indene, 2,3-dihydro-4,7-dimethy	5.20	J		15.0	ug/Kg
079209-36-2	1,3-Cyclopentadiene, 5-(trans-2-et	6.60	J		15.3	ug/Kg
005676-32-4	Benzene, (1-methylenebutyl)-	4.50	J		15.6	ug/Kg

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CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000769-25-5	Benzene, 2-ethenyl-1,3,5-trimethyl	4.40	J		15.9	ug/Kg
004175-54-6	Naphthalene, 1,2,3,4-tetrahydro-1,	6.10	J		16.1	ug/Kg
Total VOC TICs	Total VOC TICs	55.8	J		149	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