

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-8	SDG No.:	Q1914
Lab Sample ID:	Q1914-09	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	92.4
Sample Wt/Vol:	7.74 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
VY022114.D	1		05/01/25 18:00	VY050125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
71-43-2	Benzene	19.9		0.55	3.50	ug/Kg
108-88-3	Toluene	640	E	0.55	3.50	ug/Kg
100-41-4	Ethyl Benzene	780	E	0.47	3.50	ug/Kg
1330-20-7	Total Xylenes	4200	E	1.44	10.5	ug/Kg
98-82-8	Isopropylbenzene	320	E	0.55	3.50	ug/Kg
103-65-1	n-propylbenzene	420	E	0.51	3.50	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	470	E	0.57	3.50	ug/Kg
98-06-6	tert-Butylbenzene	0.47	U	0.47	3.50	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	710	E	0.45	3.50	ug/Kg
135-98-8	sec-Butylbenzene	280	E	0.46	3.50	ug/Kg
99-87-6	p-Isopropyltoluene	180	E	0.43	3.50	ug/Kg
104-51-8	n-Butylbenzene	320	E	1.00	3.50	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	36.9		63 - 155	74%	SPK: 50
1868-53-7	Dibromofluoromethane	48.3		70 - 134	97%	SPK: 50
2037-26-5	Toluene-d8	100	*	74 - 123	208%	SPK: 50
460-00-4	4-Bromofluorobenzene	220	*	38 - 136	447%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	521000	7.707			
540-36-3	1,4-Difluorobenzene	815000	8.616			
3114-55-4	Chlorobenzene-d5	583000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	512000	13.353			
TENTATIVE IDENTIFIED COMPOUNDS						
000111-65-9	Octane	290	J		10.3	ug/Kg
003221-61-2	Octane, 2-methyl-	670	J		11.2	ug/Kg
002216-33-3	Octane, 3-methyl-	390	J		11.3	ug/Kg
000932-56-9	Cycloheptanone, 2-methyl-	480	J		12.2	ug/Kg
000622-96-8	Benzene, 1-ethyl-4-methyl-	530	J		12.7	ug/Kg
000620-14-4	Benzene, 1-ethyl-3-methyl-	450	J		12.9	ug/Kg
004551-51-3	1H-Indene, octahydro-, cis-	270	J		13.0	ug/Kg
000527-84-4	o-Cymene	330	J		13.2	ug/Kg

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CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
022250-74-4	Bicyclo[4.2.0]octa-1,3,5-triene, 3	430	J		13.6	ug/Kg
000091-17-8	Naphthalene, decahydro-	350	J		13.7	ug/Kg
75-09-2	Methylene Chloride	2.50	J		4.62	ug/Kg
110-82-7	Cyclohexane	220	J		7.70	ug/Kg
Total VOC TICs	Total VOC TICs	4190	J		124	ug/Kg
108-87-2	Methylcyclohexane	990	J		9.12	ug/Kg
179601-23-1	m/p-Xylenes	2200	J		11.6	ug/Kg
95-47-6	o-Xylene	2000	J		11.9	ug/Kg
ABZT	Alkylbenzenes, Total	2700	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