

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:	8260D	% Solid:	89.7
Sample Wt/Vol:	7.75 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
VY022112.D	1		05/01/25 17:16	VY050125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
71-43-2	Benzene	21.6		0.57	3.60	ug/Kg
108-88-3	Toluene	110	E	0.56	3.60	ug/Kg
100-41-4	Ethyl Benzene	350	E	0.48	3.60	ug/Kg
1330-20-7	Total Xylenes	1980	E	1.48	10.8	ug/Kg
98-82-8	Isopropylbenzene	85.4		0.56	3.60	ug/Kg
103-65-1	n-propylbenzene	210	E	0.53	3.60	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	390	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	970	E	0.46	3.60	ug/Kg
135-98-8	sec-Butylbenzene	64.7		0.47	3.60	ug/Kg
99-87-6	p-Isopropyltoluene	44.4		0.45	3.60	ug/Kg
104-51-8	n-Butylbenzene	85.8		1.00	3.60	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.8		63 - 155	96%	SPK: 50
1868-53-7	Dibromofluoromethane	49.1		70 - 134	98%	SPK: 50
2037-26-5	Toluene-d8	58.2		74 - 123	116%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.5		38 - 136	111%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	349000	7.707			
540-36-3	1,4-Difluorobenzene	593000	8.616			
3114-55-4	Chlorobenzene-d5	525000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	237000	13.353			
TENTATIVE IDENTIFIED COMPOUNDS						
000111-65-9	Octane	270	J		10.3	ug/Kg
001678-91-7	Cyclohexane, ethyl-	140	J		11.0	ug/Kg
003073-66-3	Cyclohexane, 1,1,3-trimethyl-	130	J		11.0	ug/Kg
002216-34-4	Octane, 4-methyl-	460	J		11.2	ug/Kg
002216-33-3	Octane, 3-methyl-	250	J		11.3	ug/Kg
004926-78-7	Cyclohexane, 1-ethyl-4-methyl-, ci	120	J		11.7	ug/Kg
002051-30-1	Octane, 2,6-dimethyl-	130	J		12.1	ug/Kg
003868-64-2	Pentalene, octahydro-2-methyl-	130	J		12.1	ug/Kg

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001678-92-8	Cyclohexane, propyl-	180	J		12.2	ug/Kg
017301-94-9	Nonane, 4-methyl-	100	J		12.3	ug/Kg
67-64-1	Acetone	5.50	J		3.88	ug/Kg
75-09-2	Methylene Chloride	2.50	J		4.61	ug/Kg
110-82-7	Cyclohexane	80.4	J		7.70	ug/Kg
Total VOC TICs	Total VOC TICs	1910	J		115	ug/Kg
108-87-2	Methylcyclohexane	230	J		9.11	ug/Kg
179601-23-1	m/p-Xylenes	1300	J		11.6	ug/Kg
95-47-6	o-Xylene	680	J		12.0	ug/Kg
ABZT	Alkylbenzenes, Total	1900	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