

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/28/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/29/25
Client Sample ID:	JPP-18.1-012825	SDG No.:	Q1216
Lab Sample ID:	Q1216-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	81.2
Sample Wt/Vol:	5.1 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021053.D	1		02/04/25 13:06	VY020425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	6.00	U	2.00	6.00	ug/Kg
74-87-3	Chloromethane	6.00	U	1.40	6.00	ug/Kg
75-01-4	Vinyl Chloride	6.00	U	0.93	6.00	ug/Kg
74-83-9	Bromomethane	6.00	U	1.20	6.00	ug/Kg
75-00-3	Chloroethane	6.00	U	1.20	6.00	ug/Kg
75-69-4	Trichlorofluoromethane	6.00	U	1.10	6.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	6.00	U	1.30	6.00	ug/Kg
75-65-0	Tert butyl alcohol	30.2	U	18.8	30.2	ug/Kg
75-35-4	1,1-Dichloroethene	6.00	U	0.94	6.00	ug/Kg
67-64-1	Acetone	30.2	U	7.50	30.2	ug/Kg
75-15-0	Carbon Disulfide	6.00	U	1.50	6.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	6.00	U	0.81	6.00	ug/Kg
79-20-9	Methyl Acetate	6.00	U	2.20	6.00	ug/Kg
75-09-2	Methylene Chloride	12.1	U	4.10	12.1	ug/Kg
156-60-5	trans-1,2-Dichloroethene	6.00	U	1.00	6.00	ug/Kg
75-34-3	1,1-Dichloroethane	6.00	U	0.76	6.00	ug/Kg
110-82-7	Cyclohexane	6.00	U	0.83	6.00	ug/Kg
78-93-3	2-Butanone	30.2	U	6.90	30.2	ug/Kg
56-23-5	Carbon Tetrachloride	6.00	U	1.10	6.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	6.00	U	0.74	6.00	ug/Kg
74-97-5	Bromochloromethane	6.00	U	2.90	6.00	ug/Kg
67-66-3	Chloroform	6.00	U	0.81	6.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	6.00	U	0.94	6.00	ug/Kg
108-87-2	Methylcyclohexane	6.00	U	1.10	6.00	ug/Kg
71-43-2	Benzene	6.00	U	0.87	6.00	ug/Kg
107-06-2	1,2-Dichloroethane	6.00	U	0.74	6.00	ug/Kg
79-01-6	Trichloroethene	6.00	U	0.91	6.00	ug/Kg
78-87-5	1,2-Dichloropropane	6.00	U	0.80	6.00	ug/Kg
75-27-4	Bromodichloromethane	6.00	U	0.68	6.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	30.2	U	5.30	30.2	ug/Kg

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108-88-3	Toluene	6.00	U	0.81	6.00	ug/Kg
10061-02-6	t-1,3-Dichloropropene	6.00	U	0.72	6.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	6.00	U	0.69	6.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	6.00	U	1.00	6.00	ug/Kg
591-78-6	2-Hexanone	30.2	U	5.80	30.2	ug/Kg
124-48-1	Dibromochloromethane	6.00	U	0.78	6.00	ug/Kg
106-93-4	1,2-Dibromoethane	6.00	U	0.95	6.00	ug/Kg
127-18-4	Tetrachloroethene	6.00	U	1.10	6.00	ug/Kg
108-90-7	Chlorobenzene	6.00	U	0.89	6.00	ug/Kg
100-41-4	Ethyl Benzene	6.00	U	0.75	6.00	ug/Kg
179601-23-1	m/p-Xylenes	12.1	U	1.60	12.1	ug/Kg
95-47-6	o-Xylene	6.00	U	0.85	6.00	ug/Kg
100-42-5	Styrene	6.00	U	0.72	6.00	ug/Kg
75-25-2	Bromoform	6.00	U	0.98	6.00	ug/Kg
98-82-8	Isopropylbenzene	6.00	U	0.81	6.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	6.00	U	1.30	6.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	6.00	U	0.89	6.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	6.00	U	0.97	6.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	6.00	U	0.71	6.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	6.00	U	1.90	6.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	6.00	U	0.95	6.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	6.00	U	0.94	6.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.4		50 - 163	111%	SPK: 50
1868-53-7	Dibromofluoromethane	53.4		54 - 147	107%	SPK: 50
2037-26-5	Toluene-d8	49.7		58 - 134	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.6		29 - 146	89%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	91500	7.707			
540-36-3	1,4-Difluorobenzene	159000	8.616			
3114-55-4	Chlorobenzene-d5	140000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	53600	13.346			

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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