

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	10/31/24
Project:	Rt. 10 Whippany	Date Received:	10/31/24
Client Sample ID:	RES-BUILDING-PAD-NO-3	SDG No.:	P4663
Lab Sample ID:	P4663-05	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	90.5
Sample Wt/Vol:	7.16 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
VY020130.D	1		11/01/24 19:27	VY110124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.30	U	1.30	3.90	ug/Kg
74-87-3	Chloromethane	0.90	U	0.90	3.90	ug/Kg
75-01-4	Vinyl Chloride	0.59	U	0.59	3.90	ug/Kg
74-83-9	Bromomethane	0.79	U	0.79	3.90	ug/Kg
75-00-3	Chloroethane	0.78	U	0.78	3.90	ug/Kg
75-69-4	Trichlorofluoromethane	0.70	U	0.70	3.90	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.83	U	0.83	3.90	ug/Kg
75-35-4	1,1-Dichloroethene	0.60	U	0.60	3.90	ug/Kg
67-64-1	Acetone	4.80	U	4.80	19.3	ug/Kg
75-15-0	Carbon Disulfide	0.99	U	0.99	3.90	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.52	U	0.52	3.90	ug/Kg
79-20-9	Methyl Acetate	1.40	U	1.40	3.90	ug/Kg
75-09-2	Methylene Chloride	4.90	J	2.60	7.70	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.65	U	0.65	3.90	ug/Kg
75-34-3	1,1-Dichloroethane	0.49	U	0.49	3.90	ug/Kg
110-82-7	Cyclohexane	0.53	U	0.53	3.90	ug/Kg
78-93-3	2-Butanone	4.40	U	4.40	19.3	ug/Kg
56-23-5	Carbon Tetrachloride	0.67	U	0.67	3.90	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.47	U	0.47	3.90	ug/Kg
74-97-5	Bromochloromethane	1.90	U	1.90	3.90	ug/Kg
67-66-3	Chloroform	0.52	U	0.52	3.90	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.60	U	0.60	3.90	ug/Kg
108-87-2	Methylcyclohexane	0.67	U	0.67	3.90	ug/Kg
71-43-2	Benzene	0.56	U	0.56	3.90	ug/Kg
107-06-2	1,2-Dichloroethane	0.47	U	0.47	3.90	ug/Kg
79-01-6	Trichloroethene	0.58	U	0.58	3.90	ug/Kg
78-87-5	1,2-Dichloropropane	0.51	U	0.51	3.90	ug/Kg
75-27-4	Bromodichloromethane	0.43	U	0.43	3.90	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.40	U	3.40	19.3	ug/Kg
108-88-3	Toluene	0.52	U	0.52	3.90	ug/Kg

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10061-02-6	t-1,3-Dichloropropene	0.46	U	0.46	3.90	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.44	U	0.44	3.90	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.65	U	0.65	3.90	ug/Kg
591-78-6	2-Hexanone	3.70	U	3.70	19.3	ug/Kg
124-48-1	Dibromochloromethane	0.50	U	0.50	3.90	ug/Kg
106-93-4	1,2-Dibromoethane	0.61	U	0.61	3.90	ug/Kg
127-18-4	Tetrachloroethene	0.69	U	0.69	3.90	ug/Kg
108-90-7	Chlorobenzene	0.57	U	0.57	3.90	ug/Kg
100-41-4	Ethyl Benzene	0.48	U	0.48	3.90	ug/Kg
179601-23-1	m/p-Xylenes	1.00	U	1.00	7.70	ug/Kg
95-47-6	o-Xylene	0.54	U	0.54	3.90	ug/Kg
100-42-5	Styrene	0.46	U	0.46	3.90	ug/Kg
75-25-2	Bromoform	0.63	U	0.63	3.90	ug/Kg
98-82-8	Isopropylbenzene	0.52	U	0.52	3.90	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.85	U	0.85	3.90	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.57	U	0.57	3.90	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.62	U	0.62	3.90	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.46	U	0.46	3.90	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.20	U	1.20	3.90	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.61	U	0.61	3.90	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.60	U	0.60	3.90	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	56.9		70 (50) - 130 (163)	114%	SPK: 50
1868-53-7	Dibromofluoromethane	51.4		70 (54) - 130 (147)	103%	SPK: 50
2037-26-5	Toluene-d8	49.7		70 (58) - 130 (134)	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.3		70 (29) - 130 (146)	89%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	160000	7.707			
540-36-3	1,4-Difluorobenzene	335000	8.616			
3114-55-4	Chlorobenzene-d5	302000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	104000	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