

Report of Analysis

Client:	Arcadis	Date Collected:	09/10/25
Project:	ARC Sayreville PostEx 2025	Date Received:	09/11/25
Client Sample ID:	PMW-6(20250910)	SDG No.:	Q3084
Lab Sample ID:	Q3084-06	Matrix:	Water
Analytical Method:	SOM02.2-Trace	% Solid:	0
Sample Wt/Vol:	25 Units: mL	Final Vol:	25000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VV039095.D	20	09/16/25 10:56	VV091625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl chloride	1.90	U	1.90	10.0	ug/L
75-35-4	1,1-Dichloroethene	2.80	U	2.80	10.0	ug/L
75-09-2	Methylene chloride	3.00	U	3.00	10.0	ug/L
75-34-3	1,1-Dichloroethane	1.80	U	1.80	10.0	ug/L
156-59-2	cis-1,2-Dichloroethene	1.80	U	1.80	10.0	ug/L
67-66-3	Chloroform	2.40	U	2.40	10.0	ug/L
71-55-6	1,1,1-Trichloroethane	1.70	U	1.70	10.0	ug/L
71-43-2	Benzene	1.30	U	1.30	10.0	ug/L
107-06-2	1,2-Dichloroethane	2.00	U	2.00	10.0	ug/L
79-01-6	Trichloroethene	2.60	U	2.60	10.0	ug/L
108-88-3	Toluene	1.20	U	1.20	10.0	ug/L
127-18-4	Tetrachloroethene	6.80	U	6.80	10.0	ug/L
108-90-7	Chlorobenzene	220	D	1.70	10.0	ug/L
95-47-6	o-Xylene	1.50	U	1.50	10.0	ug/L
179601-23-1	m,p-Xylene	1.20	U	1.20	10.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.90	U	1.90	10.0	ug/L
106-46-7	1,4-Dichlorobenzene	150	D	3.00	10.0	ug/L
120-82-1	1,2,4-trichlorobenzene	97.0	D	7.00	10.0	ug/L
SURROGATES						
6745-35-3	Vinyl Chloride-d3	4.60		40 - 130	92.2%	SPK: 5
19199-91-8	Chloroethane-d5	4.80		65 - 130	95.66%	SPK: 5
22280-73-5	1,1-Dichloroethene-d2	4.40		60 - 125	87.36%	SPK: 5
24313-50-6	2-Butanone-d5	40.0		40 - 130	80.87%	SPK: 50
865-49-6	Chloroform-d	4.90		70 - 125	98.16%	SPK: 5
17060-07-0	1,2-Dichloroethane-d4	5.20		70 - 130	104.62%	SPK: 5
1076-43-3	Benzene-d6	4.50		70 - 125	90.96%	SPK: 5
93952-08-0	1,2-Dichloropropane-d6	5.00		60 - 140	100.16%	SPK: 5
2037-26-5	Toluene-d8	3.80		70 - 130	76.42%	SPK: 5
93951-86-1	trans-1,3-Dichloropropene-d4	4.10		55 - 130	82.16%	SPK: 5
4840-82-8	2-Hexanone-d5	38.0		45 - 130	75.62%	SPK: 50
33685-54-0	1,1,2,2-Tetrachloroethane-d2	4.90		65 - 120	98.58%	SPK: 5

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2199-69-1	1,2-Dichlorobenzene-d4	5.20		80 - 120	104.86%	SPK: 5
INTERNAL STANDARDS						
3114-55-4	Chlorobenzene-d5	371000	8.776			
540-36-3	1,4-Difluorobenzene	350000	5.535			
3855-82-1	1,4-Dichlorobenzene-d4	147000	11.175			
TENTATIVE IDENTIFIED COMPOUNDS						
541-73-1	1,3-Dichlorobenzene	62.0	J		11.1	ug/L
95-50-1	1,2-Dichlorobenzene	19.0	J		11.6	ug/L

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