

Report of Analysis

Client:	Arcadis	Date Collected:	09/11/25
Project:	ARC Sayreville PostEx 2025	Date Received:	09/11/25
Client Sample ID:	PMW-2(20250911)MS	SDG No.:	Q3084
Lab Sample ID:	Q3084-19MS	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
VV039115.D	100	09/16/25 18:08	VV091625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl chloride	530	D	9.70	50.0	ug/L
75-35-4	1,1-Dichloroethene	750	D	14.0	50.0	ug/L
75-09-2	Methylene chloride	530	D	15.0	50.0	ug/L
75-34-3	1,1-Dichloroethane	2400	ED	8.90	50.0	ug/L
156-59-2	cis-1,2-Dichloroethene	850	D	8.80	50.0	ug/L
67-66-3	Chloroform	560	D	12.0	50.0	ug/L
71-55-6	1,1,1-Trichloroethane	550	D	8.30	50.0	ug/L
71-43-2	Benzene	560	D	6.30	50.0	ug/L
107-06-2	1,2-Dichloroethane	630	D	10.0	50.0	ug/L
79-01-6	Trichloroethene	1100	D	13.0	50.0	ug/L
108-88-3	Toluene	580	D	6.00	50.0	ug/L
127-18-4	Tetrachloroethene	520	D	34.0	50.0	ug/L
108-90-7	Chlorobenzene	560	D	8.30	50.0	ug/L
95-47-6	o-Xylene	550	D	7.30	50.0	ug/L
179601-23-1	m,p-Xylene	560	D	6.00	50.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	570	D	9.70	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	570	D	15.0	50.0	ug/L
120-82-1	1,2,4-trichlorobenzene	460	D	35.0	50.0	ug/L
SURROGATES						
6745-35-3	Vinyl Chloride-d3	3.80		40 - 130	76.28%	SPK: 5
19199-91-8	Chloroethane-d5	4.50		65 - 130	89.02%	SPK: 5
22280-73-5	1,1-Dichloroethene-d2	4.00		60 - 125	79.8%	SPK: 5
24313-50-6	2-Butanone-d5	61.0		40 - 130	122.12%	SPK: 50
865-49-6	Chloroform-d	5.00		70 - 125	100.94%	SPK: 5
17060-07-0	1,2-Dichloroethane-d4	5.20		70 - 130	104.4%	SPK: 5
1076-43-3	Benzene-d6	4.70		70 - 125	93.34%	SPK: 5
93952-08-0	1,2-Dichloropropane-d6	5.20		60 - 140	103.3%	SPK: 5
2037-26-5	Toluene-d8	4.80		70 - 130	95.72%	SPK: 5
93951-86-1	trans-1,3-Dichloropropene-d4	5.10		55 - 130	101.46%	SPK: 5
4840-82-8	2-Hexanone-d5	56.0		45 - 130	112.88%	SPK: 50
33685-54-0	1,1,2,2-Tetrachloroethane-d2	5.30		65 - 120	106.84%	SPK: 5

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2199-69-1	1,2-Dichlorobenzene-d4	4.40		80 - 120	87.6%	SPK: 5
INTERNAL STANDARDS						
3114-55-4	Chlorobenzene-d5	384000	8.776			
540-36-3	1,4-Difluorobenzene	364000	5.535			
3855-82-1	1,4-Dichlorobenzene-d4	178000	11.175			
TENTATIVE IDENTIFIED COMPOUNDS						
E966796	Total Alkanes	0	J		99.0	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