284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Arcadis	Date Collected:	09/11/25
Project:	ARC Sayreville PostEx 2025	Date Received:	09/11/25
Client Sample ID:	PMW-5(20250911)	SDG No.:	Q3084
Lab Sample ID:	Q3084-17	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
VV039097.D	400	09/16/25 11:39	VV091625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl chloride	210	D	39.0	200	ug/L
75-35-4	1,1-Dichloroethene	56.0	U	56.0	200	ug/L
75-09-2	Methylene chloride	60.0	U	60.0	200	ug/L
75-34-3	1,1-Dichloroethane	36.0	U	36.0	200	ug/L
156-59-2	cis-1,2-Dichloroethene	13000	ED	35.0	200	ug/L
67-66-3	Chloroform	48.0	U	48.0	200	ug/L
71-55-6	1,1,1-Trichloroethane	33.0	U	33.0	200	ug/L
71-43-2	Benzene	25.0	U	25.0	200	ug/L
107-06-2	1,2-Dichloroethane	40.0	U	40.0	200	ug/L
79-01-6	Trichloroethene	52.0	U	52.0	200	ug/L
108-88-3	Toluene	6200	D	24.0	200	ug/L
127-18-4	Tetrachloroethene	360	D	140	200	ug/L
108-90-7	Chlorobenzene	1900	D	33.0	200	ug/L
95-47-6	o-Xylene	280	D	29.0	200	ug/L
179601-23-1	m,p-Xylene	1000	D	24.0	200	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	39.0	U	39.0	200	ug/L
106-46-7	1,4-Dichlorobenzene	5500	D	60.0	200	ug/L
120-82-1	1,2,4-trichlorobenzene	21000	ED	140	200	ug/L
SURROGATES						
6745-35-3	Vinyl Chloride-d3	4.90		40 - 130	97.78%	SPK: 5
19199-91-8	Chloroethane-d5	5.20		65 - 130	104.74%	SPK: 5
22280-73-5	1,1-Dichloroethene-d2	4.70		60 - 125	93.68%	SPK: 5
24313-50-6	2-Butanone-d5	55.0		40 - 130	110.26%	SPK: 50
865-49-6	Chloroform-d	5.40		70 - 125	108.18%	SPK: 5
17060-07-0	1,2-Dichloroethane-d4	5.50		70 - 130	109.6%	SPK: 5
1076-43-3	Benzene-d6	5.00		70 - 125	100.96%	SPK: 5
93952-08-0	1,2-Dichloropropane-d6	5.30		60 - 140	106.14%	SPK: 5
2037-26-5	Toluene-d8	4.30		70 - 130	85.16%	SPK: 5
93951-86-1	trans-1,3-Dichloropropene-d4	4.80		55 - 130	95.88%	SPK: 5
4840-82-8	2-Hexanone-d5	49.0		45 - 130	98.63%	SPK: 50
33685-54-0	1,1,2,2-Tetrachloroethane-d2	5.40		65 - 120	108.52%	SPK: 5

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CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
2199-69-1	1,2-Dichlorobenzene-d4	5.60		80 - 120	112.24%	SPK: 5
INTERNAL STANDARDS						
3114-55-4	Chlorobenzene-d5	379000	8.776			
540-36-3	1,4-Difluorobenzene	358000	5.539			
3855-82-1	1,4-Dichlorobenzene-d4	167000	11.175			
TENTATIVE IDENTIFIED COMPOUNDS						
100-41-4	Ethylbenzene	240	J		8.94	ug/L
108-67-8	1,3,5-Trimethylbenzene	78.0	J		10.5	ug/L
95-63-6	1,2,4-Trimethylbenzene	250	J		10.8	ug/L
541-73-1	1,3-Dichlorobenzene	850	J		11.1	ug/L
95-50-1	1,2-Dichlorobenzene	1400	J		11.6	ug/L
87-61-6	1,2,3-Trichlorobenzene	4000	J		13.7	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