

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	01/23/25
Project:	LOD-LOQ Study	Date Received:	01/23/25
Client Sample ID:	LOD-MDL-WATER-01-QT1-2025	SDG No.:	Q1168
Lab Sample ID:	Q1168-07	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :	SW3510		

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD048971.D	1	01/28/25	01/28/25	PB166219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	12.3	J	3.32	20.0	ug/l
Aromatic C12-C16	Aromatic C12-C16	22.0	J	3.69	30.0	ug/l
Aromatic C16-C21	Aromatic C16-C21	33.6	J	12.7	50.0	ug/l
Aromatic C21-C36	Aromatic C21-C36	71.7	J	25.2	80.0	ug/l
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	52.3		40 - 140	105%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	54.1		40 - 140	108%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	44.6		40 - 140	89%	SPK: 50



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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q1168-07	Acq On:	28 Jan 2025 18:07
Client Sample ID:	LOD-MDL-WATER-01-QT	Operator:	YP/AJ
Data file:	FD048971.D	Misc:	4 PPM WATER LOD
Instrument:	FID_D	ALS Vial:	65
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.075	5.794	958052	6.172	200	ug/ml
Aromatic C12-C16	5.795	8.400	1783341	10.994	300	ug/ml
Aromatic C16-C21	8.401	12.666	2600242	16.814	500	ug/ml
Aromatic C21-C36	12.667	18.077	5110711	35.864	800	ug/ml
Aromatic EPH	4.075	18.077	10452346	69.844		ug/ml
2-Bromonaphthalene (SURRE)	7.358	7.358	7445680	52.32		ug/ml
2-Fluorobiphenyl (SURRE)	8.208	8.208	4602587	54.09		ug/ml
ortho-Terphenyl (SURRE)	11.243	11.243	7329618	44.57		ug/ml