

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
FD048970.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	3.32	U	3.32	20.0	ug/l
Aromatic C12-C16	Aromatic C12-C16	3.69	U	3.69	30.0	ug/l
Aromatic C16-C21	Aromatic C16-C21	12.7	U	12.7	50.0	ug/l
Aromatic C21-C36	Aromatic C21-C36	25.2	U	25.2	80.0	ug/l
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	48.1		40 - 140	96%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	51.5		40 - 140	103%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	39.2		40 - 140	78%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q1168-07	Acq On:	28 Jan 2025 17:31
Client Sample ID:	LOD-MDL-WATER-01-QT	Operator:	YP/AJ
Data file:	FD048970.D	Misc:	2.5 PPM WATER LOD
Instrument:	FID_D	ALS Vial:	64
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.075	5.794	0	0	200	ug/ml
Aromatic C12-C16	5.795	8.400	0	0	300	ug/ml
Aromatic C16-C21	8.401	12.666	0	0	500	ug/ml
Aromatic C21-C36	12.667	18.077	0	0	800	ug/ml
Aromatic EPH	4.075	18.077	0	0		ug/ml
2-Fluorobiphenyl (SURR)	8.208	8.208	4382172	51.5		ug/ml
2-Bromonaphthalene (SURR)	7.357	7.357	6844004	48.09		ug/ml
ortho-Terphenyl (SURR)	11.242	11.242	6447442	39.21		ug/ml