

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
FF015356.D	1	01/28/25	01/29/25	PB166219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	12.8	J	3.32	20.0	ug/l
Aromatic C12-C16	Aromatic C12-C16	20.5	J	3.69	30.0	ug/l
Aromatic C16-C21	Aromatic C16-C21	31.7	J	12.7	50.0	ug/l
Aromatic C21-C36	Aromatic C21-C36	47.8	J	25.2	80.0	ug/l
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	52.5		40 - 140	105%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	54.2		40 - 140	108%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	39.8		40 - 140	80%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q1168-07	Acq On:	29 Jan 2025 11:13
Client Sample ID:	LOD-MDL-WATER-01-QT	Operator:	YP\AJ
Data file:	FF015356.D	Misc:	4 PPM WATER LOD
Instrument:	FID_F	ALS Vial:	66
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.500	6.368	1022473	6.376	200	ug/ml
Aromatic C12-C16	6.369	9.062	1646090	10.267	300	ug/ml
Aromatic C16-C21	9.063	13.376	2480712	15.832	500	ug/ml
Aromatic C21-C36	13.377	18.826	3480803	23.908	800	ug/ml
Aromatic EPH	4.500	18.826	8630078	56.383		ug/ml
2-Bromonaphthalene (SURRE)	7.992	7.992	6933429	52.53		ug/ml
2-Fluorobiphenyl (SURRE)	8.865	8.865	4573620	54.18		ug/ml
ortho-Terphenyl (SURRE)	11.930	11.930	6844656	39.76		ug/ml