

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	01/23/25
Project:	LOD-LOQ Study	Date Received:	01/23/25
Client Sample ID:	LOQ-WATER-02-QT1-2025	SDG No.:	Q1168
Lab Sample ID:	Q1168-08	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
FD048972.D	1	01/28/25	01/28/25	PB166219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
Aromatic C10-C12	Aromatic C10-C12	16.3	J	3.32	10.0	20.0	ug/l
Aromatic C12-C16	Aromatic C12-C16	28.9	J	3.69	15.0	30.0	ug/l
Aromatic C16-C21	Aromatic C16-C21	52.1		12.7	40.0	50.0	ug/l
Aromatic C21-C36	Aromatic C21-C36	67.4	J	25.2	40.0	80.0	ug/l
SURROGATES							
580-13-2	2-Bromonaphthalene (SURR)	59.0		40 - 140		118%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	60.3		40 - 140		121%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	48.5		40 - 140		97%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q1168-08	Acq On:	28 Jan 2025 18:43
Client Sample ID:	LOQ-WATER-02-QT1-202.	Operator:	YP/AJ
Data file:	FD048972.D	Misc:	5 PPM WATER LOQ
Instrument:	FID_D	ALS Vial:	66
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.075	5.794	1267769	8.167	200	ug/ml
Aromatic C12-C16	5.795	8.400	2344943	14.456	300	ug/ml
Aromatic C16-C21	8.401	12.666	4027531	26.043	500	ug/ml
Aromatic C21-C36	12.667	18.077	4802032	33.698	800	ug/ml
Aromatic EPH	4.075	18.077	12442275	82.364		ug/ml
2-Bromonaphthalene (SURR)	7.358	7.358	8391294	58.96		ug/ml
2-Fluorobiphenyl (SURR)	8.207	8.207	5131965	60.31		ug/ml
ortho-Terphenyl (SURR)	11.243	11.243	7973007	48.48		ug/ml