

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	07/29/24
Project:	LOD-LOQ Study	Date Received:	07/29/24
Client Sample ID:	LOD-MDL-SOIL-01-QT3-2024	SDG No.:	P3390
Lab Sample ID:	P3390-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD048092.D	1	07/30/24	07/31/24	PB162355

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.67	U	0.30	0.67	mg/kg
Aromatic C12-C16	Aromatic C12-C16	0.47	J	0.34	1.00	mg/kg
Aromatic C16-C21	Aromatic C16-C21	1.67	U	0.96	1.67	mg/kg
Aromatic C21-C36	Aromatic C21-C36	2.67	U	2.00	2.67	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	53.9		40 - 140	108%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	52.3		40 - 140	105%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	47.3		40 - 140	95%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	P3390-01	Acq On:	31 Jul 2024 11:01
Client Sample ID:	LOD-MDL-SOIL-01-QT3-	Operator:	YP/AJ
Data file:	FD048092.D	Misc:	2.5PPM SOIL LOD
Instrument:	FID_D	ALS Vial:	62
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic EPH	4.124	18.123	6525222	41.886		ug/ml
2-Bromonaphthalene (SURR)	7.407	7.407	8007870	53.88		ug/ml
2-Fluorobiphenyl (SURR)	8.256	8.256	4947994	52.28		ug/ml
ortho-Terphenyl (SURR)	11.296	11.296	7920156	47.34		ug/ml
Aromatic C10-C12	4.124	5.845	679980	3.997	200	ug/ml
Aromatic C12-C16	5.846	8.453	1215108	7.033	300	ug/ml
Aromatic C16-C21	8.454	12.718	1932761	12.132	500	ug/ml
Aromatic C21-C36	12.719	18.123	2697373	18.725	800	ug/ml