

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	10/09/24
Project:	LOD-LOQ Study	Date Received:	10/09/24
Client Sample ID:	LOQ-SOIL-02-QT4-2024	SDG No.:	P4368
Lab Sample ID:	P4368-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD048466.D	1	10/11/24	10/12/24	PB164054

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.45	J	0.30	0.67	mg/kg
Aromatic C12-C16	Aromatic C12-C16	0.77	J	0.34	1.00	mg/kg
Aromatic C16-C21	Aromatic C16-C21	1.28	J	0.96	1.67	mg/kg
Aromatic C21-C36	Aromatic C21-C36	2.66	U	2.00	2.66	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	46.0		40 - 140	92%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	43.7		40 - 140	87%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	39.6		40 - 140	79%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	P4368-02	Acq On:	12 Oct 2024 00:35
Client Sample ID:	LOQ-SOIL-02-QT4-2024	Operator:	YP/AJ
Data file:	FD048466.D	Misc:	
Instrument:	FID_D	ALS Vial:	66
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.100	5.818	1221180	6.747	200	ug/ml
Aromatic C12-C16	5.819	8.425	2204834	11.605	300	ug/ml
Aromatic C16-C21	8.426	12.687	3443946	19.269	500	ug/ml
Aromatic C21-C36	12.688	18.089	4840718	29.274	800	ug/ml
Aromatic EPH	4.100	18.089	11710678	66.895		ug/ml
2-Bromonaphthalene (SURRE)	7.379	7.379	7624498	46.05		ug/ml
2-Fluorobiphenyl (SURRE)	8.229	8.229	4534926	43.73		ug/ml
ortho-Terphenyl (SURRE)	11.265	11.265	7292576	39.63		ug/ml