

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
FF014688.D	1	10/11/24	10/15/24	PB164054

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.55	J	0.30	0.67	mg/kg
Aromatic C12-C16	Aromatic C12-C16	2.83		0.34	1.00	mg/kg
Aromatic C16-C21	Aromatic C16-C21	1.66	J	0.96	1.67	mg/kg
Aromatic C21-C36	Aromatic C21-C36	2.51	J	2.00	2.66	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	60.4		40 - 140	121%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	58.3		40 - 140	117%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	49.6		40 - 140	99%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	P4368-02	Acq On:	15 Oct 2024 15:00
Client Sample ID:	LOQ-SOIL-02-QT4-2024	Operator:	YP\AJ
Data file:	FF014688.D	Misc:	5 PPM SOIL LOD
Instrument:	FID_F	ALS Vial:	65
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.369	6.234	1078515	8.293	200	ug/ml
Aromatic C12-C16	6.235	8.923	5538015	42.425	300	ug/ml
Aromatic C16-C21	8.924	13.226	2971785	24.921	500	ug/ml
Aromatic C21-C36	13.227	18.657	4139886	37.73	800	ug/ml
Aromatic EPH	4.369	18.657	13728201	113.369		ug/ml
2-Bromonaphthalene (SURRE)	7.856	7.856	6475880	60.4		ug/ml
2-Fluorobiphenyl (SURRE)	8.726	8.726	3604203	58.33		ug/ml
ortho-Terphenyl (SURRE)	11.787	11.787	6795420	49.64		ug/ml