

Report of Analysis

Client:	Chemtech Consulting Group		Date Collected:		
Project:	NJ Soil PT		Date Received:		
Client Sample ID:	EX-5-TPH-5MS		SDG No.:	P4495	
Lab Sample ID:	P4518-05MS		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	73.9	
Sample Wt/Vol:	30.02	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
10/25/24 09:05	10/28/24 17:03	PB164396

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	42.9	E	1	0.51	1.35	mg/kg	FC067546.D
Aliphatic C12-C16	Aliphatic C12-C16	268	E	1	0.33	0.90	mg/kg	FC067546.D
Aliphatic C16-C21	Aliphatic C16-C21	304	E	1	0.41	1.35	mg/kg	FC067546.D
Aliphatic C21-C28	Aliphatic C21-C28	105	E	1	1.08	1.80	mg/kg	FC067546.D
Aliphatic C28-C40	Aliphatic C28-C40	126	E	1	2.43	2.70	mg/kg	FC067546.D
Aromatic C10-C12	Aromatic C10-C12	15.4		1	0.41	0.90	mg/kg	FD048607.D
Aromatic C12-C16	Aromatic C12-C16	85.4	E	1	0.46	1.35	mg/kg	FD048607.D
Aromatic C16-C21	Aromatic C16-C21	255	E	1	1.30	2.25	mg/kg	FD048607.D
Aromatic C21-C36	Aromatic C21-C36	90.4	E	1	2.70	3.61	mg/kg	FD048607.D
Total AliphaticEPH	Total AliphaticEPH	846			4.75	8.10	mg/kg	
Total AromaticEPH	Total AromaticEPH	446			4.87	8.11	mg/kg	
Total EPH	Total EPH	1290			9.62	16.2	mg/kg	

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC067546.D	1	10/25/24	10/28/24	PB164396

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TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	42.9	E	0.51	1.35	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	268	E	0.33	0.90	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	304	E	0.41	1.35	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	105	E	1.08	1.80	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	126	E	2.43	2.70	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	40.3		40 - 140	81%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4518-05MS	Acq On:	28 Oct 2024 17:03
Client Sample ID:	P4518-05MS	Operator:	YP/AJ
Data file:	FC067546.D	Misc:	
Instrument:	FID_C	ALS Vial:	22
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.173	6.453	64451302	475.762	300	ug/ml
Aliphatic C12-C16	6.454	9.842	392480875	2980	200	ug/ml
Aliphatic C16-C21	9.843	13.200	430197990	3380	300	ug/ml
Aliphatic C21-C28	13.201	16.853	141128618	1180	400	ug/ml
Aliphatic C28-C40	16.854	21.695	142127853	1410	600	ug/ml
Aliphatic EPH	3.173	21.695	1170386638	9420		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.937	12.937	4355427	40.33		ug/ml
Aliphatic C9-C28	3.173	16.853	1028258785	8010	1200	ug/ml