

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	
Project:	NJ Soil PT	Date Received:	
Client Sample ID:	PB164396BSD	SDG No.:	P4495
Lab Sample ID:	PB164396BSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
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 15:50	PB164396

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12	5.66		1	0.38	1.00	mg/kg FC067544.D
Aliphatic C12-C16	Aliphatic C12-C16	5.38		1	0.24	0.67	mg/kg FC067544.D
Aliphatic C16-C21	Aliphatic C16-C21	9.32		1	0.30	1.00	mg/kg FC067544.D
Aliphatic C21-C28	Aliphatic C21-C28	12.6		1	0.80	1.33	mg/kg FC067544.D
Aliphatic C28-C40	Aliphatic C28-C40	22.6		1	1.80	2.00	mg/kg FC067544.D
Aromatic C10-C12	Aromatic C10-C12	5.03		1	0.30	0.67	mg/kg FD048605.D
Aromatic C12-C16	Aromatic C12-C16	8.57		1	0.34	1.00	mg/kg FD048605.D
Aromatic C16-C21	Aromatic C16-C21	18.3		1	0.96	1.67	mg/kg FD048605.D
Aromatic C21-C36	Aromatic C21-C36	27.3		1	2.00	2.66	mg/kg FD048605.D
Total AliphaticEPH	Total AliphaticEPH	55.6			3.52	5.99	mg/kg
Total AromaticEPH	Total AromaticEPH	59.2			3.60	6.00	mg/kg
Total EPH	Total EPH	115			7.12	12.0	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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Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC067544.D	1	10/25/24	10/28/24	PB164396

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TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	5.66		0.38	1.00	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	5.38		0.24	0.67	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	9.32		0.30	1.00	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	12.6		0.80	1.33	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	22.6		1.80	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	33.3		40 - 140	67%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB164396BSD	Acq On:	28 Oct 2024 15:50
Client Sample ID:	PB164396BSD	Operator:	YP/AJ
Data file:	FC067544.D	Misc:	
Instrument:	FID_C	ALS Vial:	20
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.173	6.453	11516872	85.014	300	ug/ml
Aliphatic C12-C16	6.454	9.842	10628641	80.715	200	ug/ml
Aliphatic C16-C21	9.843	13.200	17799805	139.897	300	ug/ml
Aliphatic C21-C28	13.201	16.853	22770349	189.61	400	ug/ml
Aliphatic C28-C40	16.854	21.695	34307411	339.364	600	ug/ml
Aliphatic EPH	3.173	21.695	97023078	834.6		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.934	12.934	3597357	33.31		ug/ml
Aliphatic C9-C28	3.173	16.853	62715667	495.236	1200	ug/ml