

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	10/21/24
Project:	NJ Soil PT	Date Received:	10/23/24
Client Sample ID:	PT-NJEPH-SOIL	SDG No.:	P4495
Lab Sample ID:	P4495-16	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	20.27 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 11:26	PB164396

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12	177		10	5.62	14.8	mg/kg FC067537.D
Aliphatic C12-C16	Aliphatic C12-C16	429		25	8.88	24.7	mg/kg FC067538.D
Aliphatic C16-C21	Aliphatic C16-C21	370		25	11.1	37.0	mg/kg FC067538.D
Aliphatic C21-C28	Aliphatic C21-C28	54.1		5	5.92	9.87	mg/kg FC067536.D
Aliphatic C28-C40	Aliphatic C28-C40	14.7		1	2.66	2.96	mg/kg FC067535.D
Aromatic C10-C12	Aromatic C10-C12	32.8		5	2.22	4.93	mg/kg FD048599.D
Aromatic C12-C16	Aromatic C12-C16	104		5	2.52	7.40	mg/kg FD048599.D
Aromatic C16-C21	Aromatic C16-C21	193		5	7.10	12.3	mg/kg FD048599.D
Aromatic C21-C36	Aromatic C21-C36	42.3		1	2.96	3.95	mg/kg FD048598.D
Total AliphaticEPH	Total AliphaticEPH	1040			34.2	89.3	mg/kg
Total AromaticEPH	Total AromaticEPH	372			14.8	28.6	mg/kg
Total EPH	Total EPH	1420			49.0	118	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

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	10/21/24
Project:	NJ Soil PT	Date Received:	10/23/24
Client Sample ID:	PT-NJEPH-SOIL	SDG No.:	P4495
Lab Sample ID:	P4495-16	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	20.27 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC067535.D	1	10/25/24	10/28/24	PB164396

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	180	E	0.56	1.48	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	398	E	0.36	0.99	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	352	E	0.44	1.48	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	67.8	E	1.18	1.97	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	14.7		2.66	2.96	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	46.2		40 - 140	92%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4495-16	Acq On:	28 Oct 2024 09:53
Client Sample ID:	PT-NJEPH-SOIL	Operator:	YP/AJ
Data file:	FC067535.D	Misc:	
Instrument:	FID_C	ALS Vial:	11
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.173	6.453	247270961	1830	300	ug/ml
Aliphatic C12-C16	6.454	9.842	531469553	4040	200	ug/ml
Aliphatic C16-C21	9.843	13.200	454300268	3570	300	ug/ml
Aliphatic C21-C28	13.201	16.853	82501836	686.998	400	ug/ml
Aliphatic C28-C40	16.854	21.695	15039209	148.766	600	ug/ml
Aliphatic EPH	3.173	21.695	1330581827	10300		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.939	12.939	4988958	46.2		ug/ml
Aliphatic C9-C28	3.173	16.853	1315542618	10100	1200	ug/ml