

Report of Analysis

Client:	PSEG	Date Collected:	11/01/24
Project:	PSEG 69th St Distribution	Date Received:	11/01/24
Client Sample ID:	MH-1-EPH	SDG No.:	P4679
Lab Sample ID:	P4679-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	86.9
Sample Wt/Vol:	30.07	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
11/04/24 09:15	11/05/24 1:26	PB164640

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	21.2		1	2.07	2.30	mg/kg FE051018.D
Aliphatic C9-C28	Aliphatic C9-C28	7.31		1	1.97	4.59	mg/kg FE051018.D
Total AliphaticEPH	Total AliphaticEPH	28.5			4.04	6.89	mg/kg
Total EPH	Total EPH	28.5			4.04	6.89	mg/kg

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

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_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE051018.D	1	11/04/24	11/05/24	PB164640

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	7.31		1.97	4.59	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	21.2		2.07	2.30	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	30.1		40 - 140	60%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	29.5		40 - 140	59%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4679-02	Acq On:	05 Nov 2024 01:26
Client Sample ID:	MH-1-EPH	Operator:	YP\AJ
Data file:	FE051018.D	Misc:	
Instrument:	FID_E	ALS Vial:	28
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.142	6.760	474754	3.322	300	ug/ml
Aliphatic C12-C16	6.761	10.192	2456214	16.926	200	ug/ml
Aliphatic C16-C21	10.193	13.552	7854692	54.395	300	ug/ml
Aliphatic C21-C28	13.553	17.206	3439099	24.193	400	ug/ml
Aliphatic C28-C40	17.207	22.051	38307737	276.984	600	ug/ml
Aliphatic EPH	3.142	22.051	52532496	375.819		ug/ml
ortho-Terphenyl (SURR)	11.853	11.853	4650303	29.5		ug/ml
1-chlorooctadecane (SURR)	13.286	13.286	3563209	30.12		ug/ml
Aliphatic C9-C28	3.142	17.206	14224759	98.836	1200	ug/ml