

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	SDG No.:	P4679
Lab Sample ID:	P4679-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.6
Sample Wt/Vol:	30.04	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 11:12	PB164640

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	58.2		2	4.06	4.51	mg/kg	FE051025.D
Aliphatic C9-C28	Aliphatic C9-C28	8.85		1	1.94	4.51	mg/kg	FE051017.D
Total AliphaticEPH	Total AliphaticEPH	67.0			6.00	9.02	mg/kg	
Total EPH	Total EPH	67.0			6.00	9.02	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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Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE051017.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	8.85		1.94	4.51	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	56.0	E	2.03	2.25	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	29.4		40 - 140	59%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	28.2		40 - 140	56%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4679-01	Acq On:	05 Nov 2024 00:56
Client Sample ID:	MH-1	Operator:	YP\AJ
Data file:	FE051017.D	Misc:	
Instrument:	FID_E	ALS Vial:	27
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.142	6.760	469161	3.283	300	ug/ml
Aliphatic C12-C16	6.761	10.192	2402782	16.557	200	ug/ml
Aliphatic C16-C21	10.193	13.552	7885453	54.608	300	ug/ml
Aliphatic C21-C28	13.553	17.206	6635967	46.681	400	ug/ml
Aliphatic C28-C40	17.207	22.051	103063649	745.2	600	ug/ml
Aliphatic EPH	3.142	22.051	120457012	866.33		ug/ml
ortho-Terphenyl (SURR)	11.851	11.851	4441979	28.18		ug/ml
1-chlorooctadecane (SURR)	13.285	13.285	3483105	29.44		ug/ml
Aliphatic C9-C28	3.142	17.206	17393363	121.129	1200	ug/ml