284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	PSEG		Date Collected:	05/23/25	
Project:	Hamilton M&R		Date Received:	05/23/25	
Client Sample ID:	EPH-2-A		SDG No.:	Q2127	
Lab Sample ID:	Q2127-12		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	88.9	
Sample Wt/Vol:	30.02	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH_NF	
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
05/27/25 08:50	05/28/25 15:34	PB168161

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	70.4		5	6.63	11.2	mg/kg	FE054050.D
Aliphatic C9-C28	Aliphatic C9-C28	12.2		1	1.02	4.49	mg/kg	FE054027.D
Total AliphaticEPH	Total AliphaticEPH	82.6			7.65	15.7	mg/kg	
Total EPH	Total EPH	82.6			7.65	15.7	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
FE054027.D	1	05/27/25	05/27/25	PB168161

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	12.2		1.02	4.49	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	63.2	E	1.33	2.25	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	43.9		40 - 140	88%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	39.5		40 - 140	79%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2127-12	Acq On:	27 May 2025 18:53
Client Sample ID:	EPH-2-A	Operator:	YP\AJ
Data file:	FE054027.D	Misc:	
Instrument:	FID_E	ALS Vial:	16
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.094	6.741	1107626	8.171	300	ug/ml
Aliphatic C12-C16	6.742	10.189	4975912	36.875	200	ug/ml
Aliphatic C16-C21	10.190	13.564	6727515	51	300	ug/ml
Aliphatic C21-C28	13.565	17.234	8365903	67.371	400	ug/ml
Aliphatic C28-C40	17.235	22.120	97337241	843.252	600	ug/ml
Aliphatic EPH	3.094	22.120	118514197	1010		ug/ml
ortho-Terphenyl (SURR)	11.848	11.848	6416689	39.48		ug/ml
1-chlorooctadecane (SURR)	13.292	13.292	5205329	43.91		ug/ml
Aliphatic C9-C28	3.094	17.234	21176956	163.417	1200	ug/ml