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

Report of Analysis

Client:	PSEG		Date Collected:	09/30/25	
Project:	Hamilton M&R		Date Received:	09/30/25	
Client Sample ID:	9EPH-A		SDG No.:	Q3253	
Lab Sample ID:	Q3253-02		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	93.3	
Sample Wt/Vol:	30.05	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH_NF	
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
10/01/25 08:35	10/01/25 12:56	PB169929

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	5.38		1	1.26	2.14	mg/kg	FG016720.D
Aliphatic C9-C28	Aliphatic C9-C28	80.7		1	0.97	4.28	mg/kg	FG016720.D
Total AliphaticEPH	Total AliphaticEPH	86.1			2.23	6.42	mg/kg	
Total EPH	Total EPH	86.1			2.23	6.42	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

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

Report of Analysis

Client:	PSEG		Date Collected:	09/30/25	
Project:	Hamilton M&R		Date Received:	09/30/25	
Client Sample ID:	9EPH-A		SDG No.:	Q3253	
Lab Sample ID:	Q3253-02		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	93.3	
Sample Wt/Vol:	30.05	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH_NF	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FG016720.D	1	10/01/25	10/01/25	PB169929

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	80.7		0.97	4.28	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	5.38		1.26	2.14	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	32.4		40 - 140	65%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	31.7		40 - 140	63%	SPK: 50

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

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3253-02	Acq On:	01 Oct 2025 12:56
Client Sample ID:	9EPH-A	Operator:	YP\AJ
Data file:	FG016720.D	Misc:	
Instrument:	FID_G	ALS Vial:	21
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.273	6.918	366233	3.171	300	ug/ml
Aliphatic C12-C16	6.919	10.379	6943983	57.573	200	ug/ml
Aliphatic C16-C21	10.380	13.769	103823335	803.031	300	ug/ml
Aliphatic C21-C28	13.770	17.455	34441627	267.321	400	ug/ml
Aliphatic C28-C40	17.456	22.488	7643454	75.365	600	ug/ml
Aliphatic EPH	3.273	22.488	153218632	1210		ug/ml
ortho-Terphenyl (SURR)	12.055	12.055	4523619	31.71		ug/ml
1-chlorooctadecane (SURR)	13.501	13.501	3651457	32.35		ug/ml
Aliphatic C9-C28	3.273	17.455	145575178	1130	1200	ug/ml