

Report of Analysis

Client:	PSEG	Date Collected:	05/23/25
Project:	Hamilton M&R	Date Received:	05/23/25
Client Sample ID:	EPH-2-D	SDG No.:	Q2127
Lab Sample ID:	Q2127-15	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.3
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
05/27/25 08:50	05/28/25 16:34	PB168161

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	67.5		5	6.68	11.3	mg/kg FE054052.D
Aliphatic C9-C28	Aliphatic C9-C28	21.8		1	1.03	4.52	mg/kg FE054030.D
Total AliphaticEPH	Total AliphaticEPH	89.3			7.71	15.8	mg/kg
Total EPH	Total EPH	89.3			7.71	15.8	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

Report of Analysis

Client:	PSEG	Date Collected:	05/23/25
Project:	Hamilton M&R	Date Received:	05/23/25
Client Sample ID:	EPH-2-D	SDG No.:	Q2127
Lab Sample ID:	Q2127-15	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.3
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE054030.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	21.8		1.03	4.52	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	55.3	E	1.34	2.26	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	56.0		40 - 140	112%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	49.6		40 - 140	99%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2127-15	Acq On:	27 May 2025 20:22
Client Sample ID:	EPH-2-D	Operator:	YP\AJ
Data file:	FE054030.D	Misc:	
Instrument:	FID_E	ALS Vial:	19
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.094	6.741	2184729	16.116	300	ug/ml
Aliphatic C12-C16	6.742	10.189	9749026	72.246	200	ug/ml
Aliphatic C16-C21	10.190	13.564	12446105	94.352	300	ug/ml
Aliphatic C21-C28	13.565	17.234	13107208	105.553	400	ug/ml
Aliphatic C28-C40	17.235	22.120	84612400	733.014	600	ug/ml
Aliphatic EPH	3.094	22.120	122099468	1020		ug/ml
ortho-Terphenyl (SURR)	11.849	11.849	8058564	49.59		ug/ml
1-chlorooctadecane (SURR)	13.294	13.294	6633453	55.96		ug/ml
Aliphatic C9-C28	3.094	17.234	37487068	288.267	1200	ug/ml