

Report of Analysis

Client:	PSEG	Date Collected:	05/23/25
Project:	Hamilton M&R	Date Received:	05/23/25
Client Sample ID:	EPH-1-D	SDG No.:	Q2127
Lab Sample ID:	Q2127-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.7
Sample Wt/Vol:	30.02	Units:	g
Soil Aliquot Vol:			uL
Prep Method :		Final Vol:	2000
		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
05/27/25 08:50	05/27/25 17:53	PB168161

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	17.2		1	1.31	2.23	mg/kg FE054025.D
Aliphatic C9-C28	Aliphatic C9-C28	18.0		1	1.01	4.45	mg/kg FE054025.D
Total AliphaticEPH	Total AliphaticEPH	35.2			2.32	6.68	mg/kg
Total EPH	Total EPH	35.2			2.32	6.68	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-1-D	SDG No.:	Q2127
Lab Sample ID:	Q2127-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.7
Sample Wt/Vol:	30.02 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
FE054025.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	18.0		1.01	4.45	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	17.2		1.31	2.23	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	49.0		40 - 140	98%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	43.6		40 - 140	87%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2127-05	Acq On:	27 May 2025 17:53
Client Sample ID:	EPH-1-D	Operator:	YP\AJ
Data file:	FE054025.D	Misc:	
Instrument:	FID_E	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.094	6.741	1730314	12.764	300	ug/ml
Aliphatic C12-C16	6.742	10.189	7793284	57.753	200	ug/ml
Aliphatic C16-C21	10.190	13.564	10363600	78.565	300	ug/ml
Aliphatic C21-C28	13.565	17.234	11560520	93.097	400	ug/ml
Aliphatic C28-C40	17.235	22.120	26673647	231.079	600	ug/ml
Aliphatic EPH	3.094	22.120	58121365	473.258		ug/ml
ortho-Terphenyl (SURR)	11.849	11.849	7091888	43.64		ug/ml
1-chlorooctadecane (SURR)	13.294	13.294	5802688	48.95		ug/ml
Aliphatic C9-C28	3.094	17.234	31447718	242.179	1200	ug/ml