

Report of Analysis

Client:	PSEG	Date Collected:	09/30/25
Project:	Hamilton M&R	Date Received:	09/30/25
Client Sample ID:	9EPH-D	SDG No.:	Q3253
Lab Sample ID:	Q3253-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.9
Sample Wt/Vol:	30.09	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
10/01/25 08:35	10/01/25 13:32	PB169929

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	9.86		1	1.25	2.12	mg/kg FE056127.D
Aliphatic C9-C28	Aliphatic C9-C28	67.8		1	0.97	4.25	mg/kg FE056127.D
Total AliphaticEPH	Total AliphaticEPH	77.7			2.22	6.37	mg/kg
Total EPH	Total EPH	77.7			2.22	6.37	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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Analytical Method:	NJEPH	% Solid:	93.9
Sample Wt/Vol:	30.09	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE056127.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	67.8		0.97	4.25	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	9.86		1.25	2.12	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	33.4		40 - 140	67%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	30.7		40 - 140	61%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3253-05	Acq On:	01 Oct 2025 13:32
Client Sample ID:	9EPH-D	Operator:	YP\AJ
Data file:	FE056127.D	Misc:	
Instrument:	FID_E	ALS Vial:	12
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.312	6.945	338692	2.419	300	ug/ml
Aliphatic C12-C16	6.946	10.396	7009785	45.703	200	ug/ml
Aliphatic C16-C21	10.397	13.772	115001622	693.283	300	ug/ml
Aliphatic C21-C28	13.773	17.442	32057345	215.835	400	ug/ml
Aliphatic C28-C40	17.443	22.449	18986300	139.347	600	ug/ml
Aliphatic EPH	3.312	22.449	173393744	1100		ug/ml
ortho-Terphenyl (SURR)	12.073	12.073	5752955	30.66		ug/ml
1-chlorooctadecane (SURR)	13.509	13.509	4656232	33.36		ug/ml
Aliphatic C9-C28	3.312	17.442	154407444	957.24	1200	ug/ml