

Report of Analysis

Client:	PSEG	Date Collected:	05/23/25
Project:	Hamilton M&R	Date Received:	05/23/25
Client Sample ID:	COMP-2	SDG No.:	Q2127
Lab Sample ID:	Q2127-11	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.4
Sample Wt/Vol:	30.09	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 21:45	PB168161

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	36.3		1	1.32	2.23	mg/kg FC069018.D
Aliphatic C9-C28	Aliphatic C9-C28	20.0		1	1.01	4.47	mg/kg FC069018.D
Total AliphaticEPH	Total AliphaticEPH	56.3			2.34	6.70	mg/kg
Total EPH	Total EPH	56.3			2.34	6.70	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 :		Test:	EPH_NF

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC069018.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	20.0		1.01	4.47	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	36.3		1.32	2.23	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	32.6		40 - 140	65%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	29.1		40 - 140	58%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2127-11	Acq On:	27 May 2025 21:45
Client Sample ID:	COMP-2	Operator:	YP/AJ
Data file:	FC069018.D	Misc:	
Instrument:	FID_C	ALS Vial:	20
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.339	6.639	1180608	11.168	300	ug/ml
Aliphatic C12-C16	6.640	10.038	4400097	43.144	200	ug/ml
Aliphatic C16-C21	10.039	13.403	7348371	75.087	300	ug/ml
Aliphatic C21-C28	13.404	17.067	13184197	140.551	400	ug/ml
Aliphatic C28-C40	17.068	22.058	46080931	487.944	600	ug/ml
Aliphatic EPH	3.339	22.058	72194204	757.893		ug/ml
ortho-Terphenyl (SURR)	11.706	11.706	3583432	29.05		ug/ml
1-chlorooctadecane (SURR)	13.139	13.139	2926941	32.63		ug/ml
Aliphatic C9-C28	3.339	17.067	26113273	269.95	1200	ug/ml