

Report of Analysis

Client:	PSEG	Date Collected:	09/30/25
Project:	Hamilton M&R	Date Received:	09/30/25
Client Sample ID:	9EPH-H	SDG No.:	Q3253
Lab Sample ID:	Q3253-09	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.7
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
10/01/25 08:35	10/01/25 14:25	PB169929

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	5.89		1	1.29	2.18	mg/kg FG016723.D
Aliphatic C9-C28	Aliphatic C9-C28	111		5	4.96	21.8	mg/kg FG016726.D
Total AliphaticEPH	Total AliphaticEPH	117			6.25	24.0	mg/kg
Total EPH	Total EPH	117			6.25	24.0	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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File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FG016723.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	111	E	0.99	4.36	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	5.89		1.29	2.18	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	31.8		40 - 140	64%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	30.6		40 - 140	61%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3253-09	Acq On:	01 Oct 2025 14:25
Client Sample ID:	9EPH-H	Operator:	YP\AJ
Data file:	FG016723.D	Misc:	
Instrument:	FID_G	ALS Vial:	24
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.273	6.918	412116	3.568	300	ug/ml
Aliphatic C12-C16	6.919	10.379	11760702	97.508	200	ug/ml
Aliphatic C16-C21	10.380	13.769	138876261	1070	300	ug/ml
Aliphatic C21-C28	13.770	17.455	45466469	352.892	400	ug/ml
Aliphatic C28-C40	17.456	22.488	8225158	81.101	600	ug/ml
Aliphatic EPH	3.273	22.488	204740706	1610		ug/ml
ortho-Terphenyl (SURR)	12.056	12.056	4361358	30.58		ug/ml
1-chlorooctadecane (SURR)	13.502	13.502	3591262	31.82		ug/ml
Aliphatic C9-C28	3.273	17.455	196515548	1530	1200	ug/ml