

Report of Analysis

Client:	PSEG	Date Collected:	09/30/25
Project:	Hamilton M&R	Date Received:	09/30/25
Client Sample ID:	9EPH-G	SDG No.:	Q3253
Lab Sample ID:	Q3253-08	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	92.8
Sample Wt/Vol:	30.04	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 13:55	PB169929

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	6.20		1	1.27	2.15	mg/kg FG016722.D
Aliphatic C9-C28	Aliphatic C9-C28	227		5	4.89	21.5	mg/kg FG016725.D
Total AliphaticEPH	Total AliphaticEPH	233			6.16	23.7	mg/kg
Total EPH	Total EPH	233			6.16	23.7	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
FG016722.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	239	E	0.98	4.31	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	6.20		1.27	2.15	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	36.6		40 - 140	73%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	36.0		40 - 140	72%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3253-08	Acq On:	01 Oct 2025 13:55
Client Sample ID:	9EPH-G	Operator:	YP\AJ
Data file:	FG016722.D	Misc:	
Instrument:	FID_G	ALS Vial:	23
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.273	6.918	399965	3.463	300	ug/ml
Aliphatic C12-C16	6.919	10.379	26228758	217.462	200	ug/ml
Aliphatic C16-C21	10.380	13.769	301455522	2330	300	ug/ml
Aliphatic C21-C28	13.770	17.455	101222224	785.645	400	ug/ml
Aliphatic C28-C40	17.456	22.488	8766406	86.437	600	ug/ml
Aliphatic EPH	3.273	22.488	438072875	3420		ug/ml
ortho-Terphenyl (SURR)	12.059	12.059	5129306	35.96		ug/ml
1-chlorooctadecane (SURR)	13.504	13.504	4128856	36.58		ug/ml
Aliphatic C9-C28	3.273	17.455	429306469	3340	1200	ug/ml