

Report of Analysis

Client:	PSEG	Date Collected:	10/16/25
Project:	PSEG Spring Valley - Maywood	Date Received:	10/16/25
Client Sample ID:	MH-22-EPH	SDG No.:	Q3369
Lab Sample ID:	Q3369-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.1
Sample Wt/Vol:	30.02 g	Test:	EPH_NF
Prep Method :		Final Vol:	2000 uL
		Prep Date :	10/17/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	23.8		1	1.32	2.24	mg/kg	FE056373.D	10/17/25 20:40	PB170145
Aliphatic C9-C28	Aliphatic C9-C28	9.45		1	1.02	4.49	mg/kg	FE056373.D	10/17/25 20:40	PB170145
Total AliphaticEPH	Total AliphaticEPH	33.3			2.34	6.73	mg/kg			
Total EPH	Total EPH	33.3			2.34	6.73	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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CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	9.45	1		1.02	4.49	mg/kg	10/17/25	PB170145
Aliphatic C28-C40	Aliphatic C28-C40	23.8	1		1.32	2.24	mg/kg	10/17/25	PB170145
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	26.4			40 - 140	53%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	24.1			40 - 140	48%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3369-02	Acq On:	17 Oct 2025 20:40
Client Sample ID:	MH-22-EPH	Operator:	YP\AJ
Data file:	FE056373.D	Misc:	
Instrument:	FID_E	ALS Vial:	22
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.299	6.925	-2393740	-14.501	300	ug/ml
Aliphatic C12-C16	6.926	10.376	10917801	64.017	200	ug/ml
Aliphatic C16-C21	10.377	13.754	3271491	18.314	300	ug/ml
Aliphatic C21-C28	13.755	17.425	7876443	43.981	400	ug/ml
Aliphatic C28-C40	17.426	22.424	44235733	318.695	600	ug/ml
Aliphatic EPH	3.299	22.424	63907728	430.505		ug/ml
ortho-Terphenyl (SURR)	12.053	12.053	4929486	24.13		ug/ml
1-chlorooctadecane (SURR)	13.490	13.490	4025213	26.38		ug/ml
Aliphatic C9-C28	3.299	17.425	19671995	111.811	1200	ug/ml