

Report of Analysis

Client:	PSEG	Date Collected:	10/16/25
Project:	PSEG Spring Valley - Maywood	Date Received:	10/16/25
Client Sample ID:	MH-21	SDG No.:	Q3369
Lab Sample ID:	Q3369-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.4
Sample Wt/Vol:	30.08 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	71.3		5	6.58	11.2	mg/kg	FE056400.D	10/20/25 21:51	PB170145
Aliphatic C9-C28	Aliphatic C9-C28	5.57		1	1.01	4.47	mg/kg	FE056374.D	10/17/25 21:11	PB170145
Total AliphaticEPH	Total AliphaticEPH	76.9			7.59	15.7	mg/kg			
Total EPH	Total EPH	76.9			7.59	15.7	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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Sample Wt/Vol:	30.08 g	Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF
		Prep Date	10/17/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	5.57	1		1.01	4.47	mg/kg	10/17/25	PB170145
Aliphatic C28-C40	Aliphatic C28-C40	67.6	E 1		1.32	2.23	mg/kg	10/17/25	PB170145
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	27.0			40 - 140	54%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	25.8			40 - 140	52%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3369-05	Acq On:	17 Oct 2025 21:11
Client Sample ID:	MH-21	Operator:	YP\AJ
Data file:	FE056374.D	Misc:	
Instrument:	FID_E	ALS Vial:	23
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.299	6.925	-2125001	-12.873	300	ug/ml
Aliphatic C12-C16	6.926	10.376	8882816	52.085	200	ug/ml
Aliphatic C16-C21	10.377	13.754	-318129	-1.781	300	ug/ml
Aliphatic C21-C28	13.755	17.425	4087336	22.823	400	ug/ml
Aliphatic C28-C40	17.426	22.424	126237012	909.47	600	ug/ml
Aliphatic EPH	3.299	22.424	136764034	969.724		ug/ml
ortho-Terphenyl (SURR)	12.054	12.054	5265777	25.78		ug/ml
1-chlorooctadecane (SURR)	13.491	13.491	4126359	27.04		ug/ml
Aliphatic C9-C28	3.299	17.425	10527022	60.254	1200	ug/ml