

Report of Analysis

Client:	PSEG	Date Collected:	10/20/25
Project:	PSEG Spring Valley - Maywood	Date Received:	10/20/25
Client Sample ID:	MH-18	SDG No.:	Q3403
Lab Sample ID:	Q3403-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.1
Sample Wt/Vol:	30.03 g	Test:	EPH_NF
Prep Method :		Final Vol:	2000 uL
		Prep Date :	10/21/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	2.19	U	1	1.29	2.19	mg/kg	FC069998.D	10/22/25 13:10	PB170181
Aliphatic C9-C28	Aliphatic C9-C28	4.39	U	1	1.00	4.39	mg/kg	FC069998.D	10/22/25 13:10	PB170181
Total AliphaticEPH	Total AliphaticEPH	6.58	U		2.29	6.58	mg/kg			
Total EPH	Total EPH	6.58	U		2.29	6.58	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 Date	10/21/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	0.000	U	1	1.00	4.39	mg/kg	10/22/25	PB170181
Aliphatic C28-C40	Aliphatic C28-C40	2.19	U	1	1.29	2.19	mg/kg	10/22/25	PB170181
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	36.0			40 - 140	72%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	56.1			40 - 140	112%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3403-01	Acq On:	22 Oct 2025 13:10
Client Sample ID:	MH-18	Operator:	YP/AJ
Data file:	FC069998.D	Misc:	
Instrument:	FID_C	ALS Vial:	13
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.282	6.576	142874	0.987	300	ug/ml
Aliphatic C12-C16	6.577	9.978	84046	0.513	200	ug/ml
Aliphatic C16-C21	9.979	13.346	0	0	300	ug/ml
Aliphatic C21-C28	13.347	17.011	0	0	400	ug/ml
Aliphatic C28-C40	17.012	21.970	279874	2.601	600	ug/ml
Aliphatic EPH	3.282	21.970	506794	4.101		ug/ml
ortho-Terphenyl (SURR)	11.649	11.649	9857905	56.14		ug/ml
1-chlorooctadecane (SURR)	13.081	13.081	4880745	35.96		ug/ml
Aliphatic C9-C28	3.282	17.011	226920	1.5	1200	ug/ml