

Report of Analysis

Client:	PSEG	Date Collected:	10/17/25
Project:	PSEG Spring Valley - Maywood	Date Received:	10/17/25
Client Sample ID:	MH-19-EPH	SDG No.:	Q3392
Lab Sample ID:	Q3392-06	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	85.5
Sample Wt/Vol:	30.05 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	10.4		1	1.38	2.34	mg/kg	FE056418.D	10/21/25 16:50	PB170181
Aliphatic C9-C28	Aliphatic C9-C28	2.88	J	1	1.06	4.68	mg/kg	FE056418.D	10/21/25 16:50	PB170181
Total AliphaticEPH	Total AliphaticEPH	13.3			2.44	7.02	mg/kg			
Total EPH	Total EPH	13.3			2.44	7.02	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

Report of Analysis

Client:	PSEG	Date Collected:	10/17/25
Project:	PSEG Spring Valley - Maywood	Date Received:	10/17/25
Client Sample ID:	MH-19-EPH	SDG No.:	Q3392
Lab Sample ID:	Q3392-06	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	85.5
Sample Wt/Vol:	30.05 g	Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF
		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	2.88	J	1	1.06	4.68	mg/kg	10/21/25	PB170181
Aliphatic C28-C40	Aliphatic C28-C40	10.4		1	1.38	2.34	mg/kg	10/21/25	PB170181
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	23.2			40 - 140	46%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	21.9			40 - 140	44%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3392-06	Acq On:	21 Oct 2025 16:50
Client Sample ID:	MH-19-EPH	Operator:	YP\AJ
Data file:	FE056418.D	Misc:	
Instrument:	FID_E	ALS Vial:	21
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.297	6.924	458813	2.779	300	ug/ml
Aliphatic C12-C16	6.925	10.375	1052007	6.168	200	ug/ml
Aliphatic C16-C21	10.376	13.754	1931252	10.811	300	ug/ml
Aliphatic C21-C28	13.755	17.426	3085987	17.232	400	ug/ml
Aliphatic C28-C40	17.427	22.419	18606962	134.053	600	ug/ml
Aliphatic EPH	3.297	22.419	25135021	171.044		ug/ml
ortho-Terphenyl (SURR)	12.051	12.051	4464983	21.86		ug/ml
1-chlorooctadecane (SURR)	13.488	13.488	3534993	23.17		ug/ml
Aliphatic C9-C28	3.297	17.426	6528059	36.99	1200	ug/ml