

Report of Analysis

Client:	PSEG	Date Collected:	11/10/25
Project:	PSEG American Way Meadowland	Date Received:	11/10/25
Client Sample ID:	TP-5-EPH	SDG No.:	Q3601
Lab Sample ID:	Q3601-18	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	83.4
Sample Wt/Vol:	30.08 g	Test:	EPH_NF
Prep Method :		Final Vol:	2000 uL
		Prep Date :	11/12/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	31.5		1	1.41	2.39	mg/kg	FG016889.D	11/12/25 19:23	PB170504
Aliphatic C9-C28	Aliphatic C9-C28	5.25		1	1.09	4.79	mg/kg	FG016889.D	11/12/25 19:23	PB170504
Total AliphaticEPH	Total AliphaticEPH	36.8			2.50	7.18	mg/kg			
Total EPH	Total EPH	36.8			2.50	7.18	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	5.25	1		1.09	4.79	mg/kg	11/12/25	PB170504
Aliphatic C28-C40	Aliphatic C28-C40	31.5	1		1.41	2.39	mg/kg	11/12/25	PB170504
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	28.4			40 - 140	57%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	32.0			40 - 140	64%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3601-18	Acq On:	12 Nov 2025 19:23
Client Sample ID:	TP-5-EPH	Operator:	YP\AJ
Data file:	FG016889.D	Misc:	
Instrument:	FID_G	ALS Vial:	41
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.261	6.902	349246	2.863	300	ug/ml
Aliphatic C12-C16	6.903	10.360	1189515	9.683	200	ug/ml
Aliphatic C16-C21	10.361	13.749	2424824	18.315	300	ug/ml
Aliphatic C21-C28	13.750	17.437	4857522	34.937	400	ug/ml
Aliphatic C28-C40	17.438	22.463	44995308	395.408	600	ug/ml
Aliphatic EPH	3.261	22.463	53816415	461.206		ug/ml
ortho-Terphenyl (SURR)	12.042	12.042	5060462	32.04		ug/ml
1-chlorooctadecane (SURR)	13.487	13.487	3417876	28.38		ug/ml
Aliphatic C9-C28	3.261	17.437	8821107	65.798	1200	ug/ml