

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	SDG No.:	Q3601
Lab Sample ID:	Q3601-17	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	84.8
Sample Wt/Vol:	30.05 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	17.7		1	1.39	2.35	mg/kg	FG016888.D	11/12/25 18:53	PB170504
Aliphatic C9-C28	Aliphatic C9-C28	3.10	J	1	1.07	4.71	mg/kg	FG016888.D	11/12/25 18:53	PB170504
Total AliphaticEPH	Total AliphaticEPH	20.8			2.46	7.07	mg/kg			
Total EPH	Total EPH	20.8			2.46	7.07	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	11/12/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	3.10	J	1	1.07	4.71	mg/kg	11/12/25	PB170504
Aliphatic C28-C40	Aliphatic C28-C40	17.7		1	1.39	2.35	mg/kg	11/12/25	PB170504
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	26.5			40 - 140	53%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	31.2			40 - 140	62%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3601-17	Acq On:	12 Nov 2025 18:53
Client Sample ID:	TP-5	Operator:	YP\AJ
Data file:	FG016888.D	Misc:	
Instrument:	FID_G	ALS Vial:	40
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.261	6.902	250714	2.055	300	ug/ml
Aliphatic C12-C16	6.903	10.360	951036	7.741	200	ug/ml
Aliphatic C16-C21	10.361	13.749	1563964	11.813	300	ug/ml
Aliphatic C21-C28	13.750	17.437	2758986	19.844	400	ug/ml
Aliphatic C28-C40	17.438	22.463	25638522	225.305	600	ug/ml
Aliphatic EPH	3.261	22.463	31163222	266.758		ug/ml
ortho-Terphenyl (SURR)	12.042	12.042	4923227	31.17		ug/ml
1-chlorooctadecane (SURR)	13.487	13.487	3192377	26.51		ug/ml
Aliphatic C9-C28	3.261	17.437	5524700	41.453	1200	ug/ml