

Report of Analysis

Client:	PSEG	Date Collected:	11/10/25
Project:	PSEG American Way Meadowland	Date Received:	11/10/25
Client Sample ID:	TP-4	SDG No.:	Q3601
Lab Sample ID:	Q3601-13	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.1
Sample Wt/Vol:	30.04 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	21.9		1	1.32	2.24	mg/kg	FG016886.D	11/12/25 17:54	PB170504
Aliphatic C9-C28	Aliphatic C9-C28	8.96		1	1.02	4.48	mg/kg	FG016886.D	11/12/25 17:54	PB170504
Total AliphaticEPH	Total AliphaticEPH	30.9			2.34	6.72	mg/kg			
Total EPH	Total EPH	30.9			2.34	6.72	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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Aliphatic C9-C28	Aliphatic C9-C28	8.96	1		1.02	4.48	mg/kg	11/12/25	PB170504
Aliphatic C28-C40	Aliphatic C28-C40	21.9	1		1.32	2.24	mg/kg	11/12/25	PB170504
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	29.6			40 - 140	59%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	34.1			40 - 140	68%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3601-13	Acq On:	12 Nov 2025 17:54
Client Sample ID:	TP-4	Operator:	YP\AJ
Data file:	FG016886.D	Misc:	
Instrument:	FID_G	ALS Vial:	38
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.261	6.902	211886	1.737	300	ug/ml
Aliphatic C12-C16	6.903	10.360	860820	7.007	200	ug/ml
Aliphatic C16-C21	10.361	13.749	11540387	87.166	300	ug/ml
Aliphatic C21-C28	13.750	17.437	3594428	25.853	400	ug/ml
Aliphatic C28-C40	17.438	22.463	33294402	292.583	600	ug/ml
Aliphatic EPH	3.261	22.463	49501923	414.345		ug/ml
ortho-Terphenyl (SURR)	12.042	12.042	5389712	34.13		ug/ml
1-chlorooctadecane (SURR)	13.487	13.487	3565197	29.6		ug/ml
Aliphatic C9-C28	3.261	17.437	16207521	121.763	1200	ug/ml