

Report of Analysis

Client:	PSEG	Date Collected:	11/10/25
Project:	PSEG American Way Meadowland	Date Received:	11/10/25
Client Sample ID:	TP-3-EPH	SDG No.:	Q3601
Lab Sample ID:	Q3601-10	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.6
Sample Wt/Vol:	30.07 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	20.8		1	1.34	2.28	mg/kg	FG016885.D	11/12/25 17:25	PB170504
Aliphatic C9-C28	Aliphatic C9-C28	21.3		1	1.04	4.56	mg/kg	FG016885.D	11/12/25 17:25	PB170504
Total AliphaticEPH	Total AliphaticEPH	42.1			2.38	6.84	mg/kg			
Total EPH	Total EPH	42.1			2.38	6.84	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	21.3	1		1.04	4.56	mg/kg	11/12/25	PB170504
Aliphatic C28-C40	Aliphatic C28-C40	20.8	1		1.34	2.28	mg/kg	11/12/25	PB170504
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	36.7			40 - 140	73%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	38.3			40 - 140	77%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3601-10	Acq On:	12 Nov 2025 17:25
Client Sample ID:	TP-3-EPH	Operator:	YP\AJ
Data file:	FG016885.D	Misc:	
Instrument:	FID_G	ALS Vial:	37
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.261	6.902	351913	2.884	300	ug/ml
Aliphatic C12-C16	6.903	10.360	2210342	17.992	200	ug/ml
Aliphatic C16-C21	10.361	13.749	19323812	145.954	300	ug/ml
Aliphatic C21-C28	13.750	17.437	15748108	113.267	400	ug/ml
Aliphatic C28-C40	17.438	22.463	31177933	273.984	600	ug/ml
Aliphatic EPH	3.261	22.463	68812108	554.083		ug/ml
ortho-Terphenyl (SURR)	12.043	12.043	6044054	38.27		ug/ml
1-chlorooctadecane (SURR)	13.486	13.486	4423656	36.73		ug/ml
Aliphatic C9-C28	3.261	17.437	37634175	280.097	1200	ug/ml