

Report of Analysis

Client:	PSEG	Date Collected:	11/11/25
Project:	AU-713 Oaklyn Boro	Date Received:	11/12/25
Client Sample ID:	AU-713-10	SDG No.:	Q3611
Lab Sample ID:	Q3611-10	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	85.1
Sample Wt/Vol:	30.08 g	Test:	EPH_NF
Prep Method :		Final Vol:	2000 uL
		Prep Date :	11/13/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	3.67		1	1.38	2.34	mg/kg	FE056830.D	11/13/25 21:33	PB170529
Aliphatic C9-C28	Aliphatic C9-C28	4.10	J	1	1.07	4.68	mg/kg	FE056830.D	11/13/25 21:33	PB170529
Total AliphaticEPH	Total AliphaticEPH	7.77			2.45	7.02	mg/kg			
Total EPH	Total EPH	7.77			2.45	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

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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	4.10	J	1	1.07	4.68	mg/kg	11/13/25	PB170529
Aliphatic C28-C40	Aliphatic C28-C40	3.67		1	1.38	2.34	mg/kg	11/13/25	PB170529
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	34.1			40 - 140	68%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	38.9			40 - 140	78%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3611-10	Acq On:	13 Nov 2025 21:33
Client Sample ID:	AU-713-10	Operator:	YP\AJ
Data file:	FE056830.D	Misc:	
Instrument:	FID_E	ALS Vial:	29
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.214	6.836	319041	1.864	300	ug/ml
Aliphatic C12-C16	6.837	10.282	800238	4.477	200	ug/ml
Aliphatic C16-C21	10.283	13.654	8948835	47.982	300	ug/ml
Aliphatic C21-C28	13.655	17.323	1122396	5.823	400	ug/ml
Aliphatic C28-C40	17.324	22.256	7486107	46.989	600	ug/ml
Aliphatic EPH	3.214	22.256	18676617	107.134		ug/ml
ortho-Terphenyl (SURR)	11.951	11.951	8134872	38.94		ug/ml
1-chlorooctadecane (SURR)	13.388	13.388	5502634	34.15		ug/ml
Aliphatic C9-C28	3.214	17.323	11190510	60.146	1200	ug/ml