

Report of Analysis

Client:	PSEG	Date Collected:	11/11/25
Project:	AU-713 Oaklyn Boro	Date Received:	11/12/25
Client Sample ID:	AU-713-02	SDG No.:	Q3611
Lab Sample ID:	Q3611-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	76.1
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	6.07		1	1.55	2.62	mg/kg	FE056822.D	11/13/25 17:31	PB170529
Aliphatic C9-C28	Aliphatic C9-C28	5.24	U	1	1.19	5.24	mg/kg	FE056822.D	11/13/25 17:31	PB170529
Total AliphaticEPH	Total AliphaticEPH	6.07	J		2.74	7.86	mg/kg			
Total EPH	Total EPH	6.07	J		2.74	7.86	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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		Test:	EPH_NF

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	0.000	U	1	1.19	5.24	mg/kg	11/13/25	PB170529
Aliphatic C28-C40	Aliphatic C28-C40	6.07		1	1.55	2.62	mg/kg	11/13/25	PB170529
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	31.0			40 - 140	62%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	35.4			40 - 140	71%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3611-02	Acq On:	13 Nov 2025 17:31
Client Sample ID:	AU-713-02	Operator:	YP\AJ
Data file:	FE056822.D	Misc:	
Instrument:	FID_E	ALS Vial:	21
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.214	6.836	393069	2.296	300	ug/ml
Aliphatic C12-C16	6.837	10.282	729461	4.081	200	ug/ml
Aliphatic C16-C21	10.283	13.654	720960	3.866	300	ug/ml
Aliphatic C21-C28	13.655	17.323	998878	5.182	400	ug/ml
Aliphatic C28-C40	17.324	22.256	11076774	69.528	600	ug/ml
Aliphatic EPH	3.214	22.256	13919142	84.952		ug/ml
ortho-Terphenyl (SURR)	11.952	11.952	7398354	35.41		ug/ml
1-chlorooctadecane (SURR)	13.389	13.389	4994803	31		ug/ml
Aliphatic C9-C28	3.214	17.323	2842368	15.425	1200	ug/ml