

Report of Analysis

Client:	PSEG	Date Collected:	11/11/25
Project:	AU-713 Oaklyn Boro	Date Received:	11/12/25
Client Sample ID:	AU-713-03	SDG No.:	Q3611
Lab Sample ID:	Q3611-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	85.1
Sample Wt/Vol:	30.07 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
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TARGETS

Aliphatic C28-C40	Aliphatic C28-C40	4.64		1	1.38	2.34	mg/kg	FE056823.D	11/13/25 18:02	PB170529
Aliphatic C9-C28	Aliphatic C9-C28	4.53	J	1	1.07	4.68	mg/kg	FE056823.D	11/13/25 18:02	PB170529
Total AliphaticEPH	Total AliphaticEPH	9.17			2.45	7.02	mg/kg			
Total EPH	Total EPH	9.17			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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		Prep Date	11/13/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	4.53	J	1	1.07	4.68	mg/kg	11/13/25	PB170529
Aliphatic C28-C40	Aliphatic C28-C40	4.64		1	1.38	2.34	mg/kg	11/13/25	PB170529
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	34.4			40 - 140	69%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	40.4			40 - 140	81%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3611-03	Acq On:	13 Nov 2025 18:02
Client Sample ID:	AU-713-03	Operator:	YP\AJ
Data file:	FE056823.D	Misc:	
Instrument:	FID_E	ALS Vial:	22
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.214	6.836	362275	2.117	300	ug/ml
Aliphatic C12-C16	6.837	10.282	966054	5.404	200	ug/ml
Aliphatic C16-C21	10.283	13.654	9395112	50.374	300	ug/ml
Aliphatic C21-C28	13.655	17.323	1230093	6.381	400	ug/ml
Aliphatic C28-C40	17.324	22.256	9462962	59.398	600	ug/ml
Aliphatic EPH	3.214	22.256	21416496	123.675		ug/ml
ortho-Terphenyl (SURR)	11.953	11.953	8444049	40.42		ug/ml
1-chlorooctadecane (SURR)	13.389	13.389	5545565	34.42		ug/ml
Aliphatic C9-C28	3.214	17.323	11953534	64.276	1200	ug/ml