

Report of Analysis

Client:	PSEG	Date Collected:	11/11/25
Project:	AU-713 Oaklyn Boro	Date Received:	11/12/25
Client Sample ID:	AU-713-11	SDG No.:	Q3611
Lab Sample ID:	Q3611-11	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	78.1
Sample Wt/Vol:	30.04 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	4.47		1	1.51	2.56	mg/kg	FG016916.D	11/13/25 16:34	PB170529
Aliphatic C9-C28	Aliphatic C9-C28	5.50		1	1.16	5.11	mg/kg	FG016916.D	11/13/25 16:34	PB170529
Total AliphaticEPH	Total AliphaticEPH	9.97			2.67	7.67	mg/kg			
Total EPH	Total EPH	9.97			2.67	7.67	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	5.50	1		1.16	5.11	mg/kg	11/13/25	PB170529
Aliphatic C28-C40	Aliphatic C28-C40	4.47	1		1.51	2.56	mg/kg	11/13/25	PB170529
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	37.6			40 - 140	75%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	42.9			40 - 140	86%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3611-11	Acq On:	13 Nov 2025 16:34
Client Sample ID:	AU-713-11	Operator:	YP\AJ
Data file:	FG016916.D	Misc:	
Instrument:	FID_G	ALS Vial:	27
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.260	6.903	357026	2.926	300	ug/ml
Aliphatic C12-C16	6.904	10.362	752631	6.126	200	ug/ml
Aliphatic C16-C21	10.363	13.751	7347855	55.499	300	ug/ml
Aliphatic C21-C28	13.752	17.437	931010	6.696	400	ug/ml
Aliphatic C28-C40	17.438	22.462	5961758	52.391	600	ug/ml
Aliphatic EPH	3.260	22.462	15350280	123.638		ug/ml
ortho-Terphenyl (SURR)	12.041	12.041	6781119	42.94		ug/ml
1-chlorooctadecane (SURR)	13.484	13.484	4523673	37.56		ug/ml
Aliphatic C9-C28	3.260	17.437	9388522	71.247	1200	ug/ml