

Report of Analysis

Client:	PSEG	Date Collected:	12/08/25
Project:	PSEG South Clifton Ave Property	Date Received:	12/08/25
Client Sample ID:	RE	SDG No.:	Q3815
Lab Sample ID:	Q3815-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	85
Sample Wt/Vol:	30.02 g	Test:	EPH_NF
Prep Method :	Final Vol: 2000 uL Prep Date : 12/09/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	5.78		1	1.39	2.35	mg/kg	FE057260.D	12/09/25 21:58	PB170876
Aliphatic C9-C28	Aliphatic C9-C28	2.64	J	1	1.07	4.71	mg/kg	FE057260.D	12/09/25 21:58	PB170876
Total AliphaticEPH	Total AliphaticEPH	8.42			2.46	7.06	mg/kg			
Total EPH	Total EPH	8.42			2.46	7.06	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	2.64	J	1	1.07	4.71	mg/kg	12/09/25	PB170876
Aliphatic C28-C40	Aliphatic C28-C40	5.78		1	1.39	2.35	mg/kg	12/09/25	PB170876
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	26.4			40 - 140	53%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	31.3			40 - 140	63%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3815-01	Acq On:	09 Dec 2025 21:58
Client Sample ID:	RE	Operator:	YP\AJ
Data file:	FE057260.D	Misc:	
Instrument:	FID_E	ALS Vial:	20
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.193	6.818	4220966	21.036	300	ug/ml
Aliphatic C12-C16	6.819	10.263	1564748	7.701	200	ug/ml
Aliphatic C16-C21	10.264	13.636	966176	4.872	300	ug/ml
Aliphatic C21-C28	13.637	17.304	1313525	6.609	400	ug/ml
Aliphatic C28-C40	17.305	22.230	14747851	73.776	600	ug/ml
Aliphatic EPH	3.193	22.230	22813266	113.994		ug/ml
ortho-Terphenyl (SURR)	11.931	11.931	6866745	31.29		ug/ml
1-chlorooctadecane (SURR)	13.368	13.368	4390637	26.38		ug/ml
Aliphatic C9-C28	3.193	17.304	8065415	40.218	1200	ug/ml