

Report of Analysis

Client:	PSEG	Date Collected:	12/08/25
Project:	PSEG South Clifton Ave Property	Date Received:	12/08/25
Client Sample ID:	TP-4	SDG No.:	Q3814
Lab Sample ID:	Q3814-15	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	85.2
Sample Wt/Vol:	30.04 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	4.35		1	1.38	2.34	mg/kg	FE057259.D	12/09/25 21:28	PB170876
Aliphatic C9-C28	Aliphatic C9-C28	4.68	U	1	1.07	4.68	mg/kg	FE057259.D	12/09/25 21:28	PB170876
Total AliphaticEPH	Total AliphaticEPH	4.35	J		2.45	7.02	mg/kg			
Total EPH	Total EPH	4.35	J		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	12/09/25

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	1.07	4.68	mg/kg	12/09/25	PB170876
Aliphatic C28-C40	Aliphatic C28-C40	4.35		1	1.38	2.34	mg/kg	12/09/25	PB170876
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	23.0			40 - 140	46%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	27.1			40 - 140	54%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3814-15	Acq On:	09 Dec 2025 21:28
Client Sample ID:	TP-4	Operator:	YP\AJ
Data file:	FE057259.D	Misc:	
Instrument:	FID_E	ALS Vial:	19
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.193	6.818	539852	2.69	300	ug/ml
Aliphatic C12-C16	6.819	10.263	790509	3.891	200	ug/ml
Aliphatic C16-C21	10.264	13.636	744716	3.755	300	ug/ml
Aliphatic C21-C28	13.637	17.304	1371269	6.9	400	ug/ml
Aliphatic C28-C40	17.305	22.230	11137565	55.716	600	ug/ml
Aliphatic EPH	3.193	22.230	14583911	72.952		ug/ml
ortho-Terphenyl (SURR)	11.931	11.931	5953508	27.13		ug/ml
1-chlorooctadecane (SURR)	13.368	13.368	3833612	23.03		ug/ml
Aliphatic C9-C28	3.193	17.304	3446346	17.236	1200	ug/ml