

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-9	SDG No.:	Q3814
Lab Sample ID:	Q3814-09	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	81.2
Sample Wt/Vol:	30.08 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	5.70		1	1.45	2.46	mg/kg	FE057256.D	12/09/25 19:57	PB170876
Aliphatic C9-C28	Aliphatic C9-C28	4.92	U	1	1.12	4.92	mg/kg	FE057256.D	12/09/25 19:57	PB170876
Total AliphaticEPH	Total AliphaticEPH	5.70	J		2.57	7.38	mg/kg			
Total EPH	Total EPH	5.70	J		2.57	7.38	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	1.12	4.92	mg/kg	12/09/25	PB170876
Aliphatic C28-C40	Aliphatic C28-C40	5.70		1	1.45	2.46	mg/kg	12/09/25	PB170876
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	23.6			40 - 140	47%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	27.4			40 - 140	55%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3814-09	Acq On:	09 Dec 2025 19:57
Client Sample ID:	TP-9	Operator:	YP\AJ
Data file:	FE057256.D	Misc:	
Instrument:	FID_E	ALS Vial:	16
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.193	6.818	503120	2.507	300	ug/ml
Aliphatic C12-C16	6.819	10.263	678925	3.342	200	ug/ml
Aliphatic C16-C21	10.264	13.636	857973	4.326	300	ug/ml
Aliphatic C21-C28	13.637	17.304	1385356	6.97	400	ug/ml
Aliphatic C28-C40	17.305	22.230	13912757	69.599	600	ug/ml
Aliphatic EPH	3.193	22.230	17338131	86.744		ug/ml
ortho-Terphenyl (SURR)	11.931	11.931	6017261	27.42		ug/ml
1-chlorooctadecane (SURR)	13.368	13.368	3928290	23.6		ug/ml
Aliphatic C9-C28	3.193	17.304	3425374	17.145	1200	ug/ml