

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-8	SDG No.:	Q3814
Lab Sample ID:	Q3814-07	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.3
Sample Wt/Vol:	30.09 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	5.59		1	1.35	2.28	mg/kg	FE057255.D	12/09/25 19:27	PB170876
Aliphatic C9-C28	Aliphatic C9-C28	1.63	J	1	1.04	4.56	mg/kg	FE057255.D	12/09/25 19:27	PB170876
Total AliphaticEPH	Total AliphaticEPH	7.22			2.39	6.84	mg/kg			
Total EPH	Total EPH	7.22			2.39	6.84	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	1.63	J	1	1.04	4.56	mg/kg	12/09/25	PB170876
Aliphatic C28-C40	Aliphatic C28-C40	5.59		1	1.35	2.28	mg/kg	12/09/25	PB170876
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	32.6			40 - 140	65%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	36.5			40 - 140	73%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3814-07	Acq On:	09 Dec 2025 19:27
Client Sample ID:	TP-8	Operator:	YP\AJ
Data file:	FE057255.D	Misc:	
Instrument:	FID_E	ALS Vial:	15
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.193	6.818	637222	3.176	300	ug/ml
Aliphatic C12-C16	6.819	10.263	911957	4.488	200	ug/ml
Aliphatic C16-C21	10.264	13.636	1067656	5.384	300	ug/ml
Aliphatic C21-C28	13.637	17.304	1664780	8.376	400	ug/ml
Aliphatic C28-C40	17.305	22.230	14677358	73.424	600	ug/ml
Aliphatic EPH	3.193	22.230	18958973	94.848		ug/ml
ortho-Terphenyl (SURR)	11.932	11.932	8020951	36.55		ug/ml
1-chlorooctadecane (SURR)	13.369	13.369	5428257	32.62		ug/ml
Aliphatic C9-C28	3.193	17.304	4281615	21.424	1200	ug/ml