

Report of Analysis

Client:	PSEG	Date Collected:	
Project:	PSEG South Clifton Ave Property	Date Received:	
Client Sample ID:	PB170886BL	SDG No.:	Q3826
Lab Sample ID:	PB170886BL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.01 g	Test:	EPH_NF
Prep Method :		Final Vol:	2000 uL
		Prep Date :	12/10/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	2.00	U	1	1.18	2.00	mg/kg	FE057297.D	12/11/25 1:14	PB170886
Aliphatic C9-C28	Aliphatic C9-C28	4.00	U	1	0.91	4.00	mg/kg	FE057297.D	12/11/25 1:14	PB170886
Total AliphaticEPH	Total AliphaticEPH	6.00	U		2.09	6.00	mg/kg			
Total EPH	Total EPH	6.00	U		2.09	6.00	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	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	1.18	U	1	1.18	2.00	mg/kg	FE057297.D	12/11/25 1:14	PB170886
Aliphatic C9-C28	Aliphatic C9-C28	0.91	U	1	0.91	4.00	mg/kg	FE057297.D	12/11/25 1:14	PB170886
Total AliphaticEPH	Total AliphaticEPH	2.09	U		2.09	6.00	mg/kg			
Total EPH	Total EPH	2.09	U		2.09	6.00	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.

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Sample Wt/Vol:	30.01 g	Test:	EPH_NF
Prep Method :			
	Final Vol: 2000 uL		
	Prep Date : 12/10/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	1.18	U	1	1.18	2.00	mg/kg	FE057297.D	12/11/25 1:14	PB170886
Aliphatic C9-C28	Aliphatic C9-C28	0.91	U	1	0.91	4.00	mg/kg	FE057297.D	12/11/25 1:14	PB170886
Total AliphaticEPH	Total AliphaticEPH	2.09	U		2.09	6.00	mg/kg			
Total EPH	Total EPH	2.09	U		2.09	6.00	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.

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Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.01 g	Final Vol:	2000 uL
Prep Method :		Prep Date	12/10/25
		Test:	EPH_NF

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	0.91	4.00	mg/kg	12/11/25	PB170886
Aliphatic C28-C40	Aliphatic C28-C40	1.18	U	1	1.18	2.00	mg/kg	12/11/25	PB170886
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	28.8			40 - 140	58%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	34.4			40 - 140	69%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB170886BL	Acq On:	11 Dec 2025 01:14
Client Sample ID:	PB170886BL	Operator:	YP\AJ
Data file:	FE057297.D	Misc:	
Instrument:	FID_E	ALS Vial:	28
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.189	6.816	0	0	300	ug/ml
Aliphatic C12-C16	6.817	10.262	0	0	200	ug/ml
Aliphatic C16-C21	10.263	13.636	0	0	300	ug/ml
Aliphatic C21-C28	13.637	17.306	0	0	400	ug/ml
Aliphatic C28-C40	17.307	22.235	0	0	600	ug/ml
Aliphatic EPH	3.189	22.235	0	0		ug/ml
ortho-Terphenyl (SURR)	11.932	11.932	7540126	34.36		ug/ml
1-chlorooctadecane (SURR)	13.370	13.370	4784317	28.75		ug/ml
Aliphatic C9-C28	3.189	17.306	0	0	1200	ug/ml