

Report of Analysis

Client:	PSEG	Date Collected:	10/17/25
Project:	Clifton HQ	Date Received:	10/17/25
Client Sample ID:	237-E2	SDG No.:	Q3386
Lab Sample ID:	Q3386-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	92.6
Sample Wt/Vol:	30 g	Test:	EPH_NF
Prep Method :		Final Vol:	2000 uL
		Prep Date :	10/20/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	32.5		1	1.27	2.16	mg/kg	FE056395.D	10/20/25 19:19	PB170169
Aliphatic C9-C28	Aliphatic C9-C28	8.53		1	0.98	4.32	mg/kg	FE056395.D	10/20/25 19:19	PB170169
Total AliphaticEPH	Total AliphaticEPH	41.0			2.25	6.48	mg/kg			
Total EPH	Total EPH	41.0			2.25	6.48	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	8.53	1		0.98	4.32	mg/kg	10/20/25	PB170169
Aliphatic C28-C40	Aliphatic C28-C40	32.5	1		1.27	2.16	mg/kg	10/20/25	PB170169
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	25.1			40 - 140	50%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	23.7			40 - 140	47%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3386-02	Acq On:	20 Oct 2025 19:19
Client Sample ID:	237-E2	Operator:	YP\AJ
Data file:	FE056395.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	3.300	6.926	734180	4.447	300	ug/ml
Aliphatic C12-C16	6.927	10.378	1425692	8.36	200	ug/ml
Aliphatic C16-C21	10.379	13.756	3211135	17.976	300	ug/ml
Aliphatic C21-C28	13.757	17.428	15722179	87.79	400	ug/ml
Aliphatic C28-C40	17.429	22.423	62641341	451.297	600	ug/ml
Aliphatic EPH	3.300	22.423	83734527	569.87		ug/ml
ortho-Terphenyl (SURR)	12.053	12.053	4833349	23.66		ug/ml
1-chlorooctadecane (SURR)	13.489	13.489	3832806	25.12		ug/ml
Aliphatic C9-C28	3.300	17.428	21093186	118.573	1200	ug/ml