

Report of Analysis

Client:	PSEG	Date Collected:	10/17/25
Project:	Secaucus HQ	Date Received:	10/17/25
Client Sample ID:	4174	SDG No.:	Q3390
Lab Sample ID:	Q3390-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	5.06 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	6300		100	699	1190	mg/kg	FE056409.D	10/21/25 10:47	PB170169
Aliphatic C9-C28	Aliphatic C9-C28	17300		100	539	2370	mg/kg	FE056409.D	10/21/25 10:47	PB170169
Total AliphaticEPH	Total AliphaticEPH	23600			1240	3550	mg/kg			
Total EPH	Total EPH	23600			1240	3550	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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		Test:	EPH_NF

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	16700	E	1	5.39	23.7	mg/kg	10/20/25	PB170169
Aliphatic C28-C40	Aliphatic C28-C40	6620	E	1	7.00	11.9	mg/kg	10/20/25	PB170169
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	0.00			40 - 140	0%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	0.00			40 - 140	0%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3390-01	Acq On:	20 Oct 2025 20:20
Client Sample ID:	4175	Operator:	YP\AJ
Data file:	FE056397.D	Misc:	
Instrument:	FID_E	ALS Vial:	21
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.300	6.926	84566549	512.284	300	ug/ml
Aliphatic C12-C16	6.927	10.378	521282610	3060	200	ug/ml
Aliphatic C16-C21	10.379	13.756	1254172541	7020	300	ug/ml
Aliphatic C21-C28	13.757	17.428	5677096674	31700	400	ug/ml
Aliphatic C28-C40	17.429	22.423	2325879958	16800	600	ug/ml
Aliphatic EPH	3.300	22.423	9862998332	59000		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	0.000	0.000	0	0		ug/ml
Aliphatic C9-C28	3.300	17.428	7537118374	42300	1200	ug/ml