

Report of Analysis

Client:	PSEG	Date Collected:	10/15/25
Project:	Central Ave Substation	Date Received:	10/15/25
Client Sample ID:	HT1403	SDG No.:	Q3354
Lab Sample ID:	Q3354-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	17.6
Sample Wt/Vol:	30.08 g	Test:	EPH_NF
Prep Method :		Final Vol:	2000 uL
		Prep Date :	10/16/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	27.2		1	6.69	11.3	mg/kg	FG016787.D	10/16/25 15:57	PB170121
Aliphatic C9-C28	Aliphatic C9-C28	164		1	5.15	22.7	mg/kg	FG016787.D	10/16/25 15:57	PB170121
Total AliphaticEPH	Total AliphaticEPH	191			11.8	34.0	mg/kg			
Total EPH	Total EPH	191			11.8	34.0	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	164	1		5.15	22.7	mg/kg	10/16/25	PB170121
Aliphatic C28-C40	Aliphatic C28-C40	27.2	1		6.69	11.3	mg/kg	10/16/25	PB170121
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	33.1			40 - 140	66%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	32.5			40 - 140	65%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3354-01	Acq On:	16 Oct 2025 15:57
Client Sample ID:	HT1403	Operator:	YP\AJ
Data file:	FG016787.D	Misc:	
Instrument:	FID_G	ALS Vial:	25
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.273	6.915	1567830	12.427	300	ug/ml
Aliphatic C12-C16	6.916	10.373	8256800	63.624	200	ug/ml
Aliphatic C16-C21	10.374	13.764	41008169	292.401	300	ug/ml
Aliphatic C21-C28	13.765	17.450	9670982	65.969	400	ug/ml
Aliphatic C28-C40	17.451	22.484	8317750	72.045	600	ug/ml
Aliphatic EPH	3.273	22.484	68821531	506.466		ug/ml
ortho-Terphenyl (SURR)	12.053	12.053	5078041	32.52		ug/ml
1-chlorooctadecane (SURR)	13.498	13.498	4049574	33.11		ug/ml
Aliphatic C9-C28	3.273	17.450	60503781	434.421	1200	ug/ml