

Report of Analysis

Client:	PSEG	Date Collected:	10/17/25
Project:	Central Ave Substation	Date Received:	10/17/25
Client Sample ID:	CENTRAL-AVE-TP-EPH-2	SDG No.:	Q3382
Lab Sample ID:	Q3382-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	79.7
Sample Wt/Vol:	30.03 g	Final Vol:	2000 uL
Prep Method :		Prep Date :	10/20/25
		Test:	EPH_NF

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	5.31		1	1.48	2.51	mg/kg	FE056391.D	10/20/25 17:18	PB170169
Aliphatic C9-C28	Aliphatic C9-C28	9.26		1	1.14	5.01	mg/kg	FE056391.D	10/20/25 17:18	PB170169
Total AliphaticEPH	Total AliphaticEPH	14.6			2.62	7.52	mg/kg			
Total EPH	Total EPH	14.6			2.62	7.52	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	9.26	1		1.14	5.01	mg/kg	10/20/25	PB170169
Aliphatic C28-C40	Aliphatic C28-C40	5.31	1		1.48	2.51	mg/kg	10/20/25	PB170169
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	25.4			40 - 140	51%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	22.3			40 - 140	45%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3382-02	Acq On:	20 Oct 2025 17:18
Client Sample ID:	CENTRAL-AVE-TP-EPH-2	Operator:	YP\AJ
Data file:	FE056391.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	3.300	6.926	885229	5.363	300	ug/ml
Aliphatic C12-C16	6.927	10.378	1606223	9.418	200	ug/ml
Aliphatic C16-C21	10.379	13.756	10965945	61.386	300	ug/ml
Aliphatic C21-C28	13.757	17.428	6185982	34.541	400	ug/ml
Aliphatic C28-C40	17.429	22.423	8819338	63.539	600	ug/ml
Aliphatic EPH	3.300	22.423	28462717	174.247		ug/ml
ortho-Terphenyl (SURR)	12.052	12.052	4563545	22.34		ug/ml
1-chlorooctadecane (SURR)	13.488	13.488	3869820	25.36		ug/ml
Aliphatic C9-C28	3.300	17.428	19643379	110.708	1200	ug/ml