

Report of Analysis

Client:	PSEG	Date Collected:	12/02/25
Project:	PSEG-RANCOCAS Substation	Date Received:	12/01/25
Client Sample ID:	ROW	SDG No.:	Q3746
Lab Sample ID:	Q3746-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	68.6
Sample Wt/Vol:	30.05 g	Test:	EPH_NF
Prep Method :		Final Vol:	2000 uL
		Prep Date :	12/02/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	7.68		1	1.72	2.91	mg/kg	FE057140.D	12/02/25 23:59	PB170789
Aliphatic C9-C28	Aliphatic C9-C28	3.60	J	1	1.32	5.83	mg/kg	FE057140.D	12/02/25 23:59	PB170789
Total AliphaticEPH	Total AliphaticEPH	11.3			3.04	8.74	mg/kg			
Total EPH	Total EPH	11.3			3.04	8.74	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	3.60	J	1	1.32	5.83	mg/kg	12/02/25	PB170789
Aliphatic C28-C40	Aliphatic C28-C40	7.68		1	1.72	2.91	mg/kg	12/02/25	PB170789
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	23.1			40 - 140	46%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	26.7			40 - 140	53%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3746-01	Acq On:	02 Dec 2025 23:59
Client Sample ID:	ROW	Operator:	YP\AJ
Data file:	FE057140.D	Misc:	
Instrument:	FID_E	ALS Vial:	30
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.199	6.825	261763	1.305	300	ug/ml
Aliphatic C12-C16	6.826	10.272	649888	3.199	200	ug/ml
Aliphatic C16-C21	10.273	13.646	6717400	33.872	300	ug/ml
Aliphatic C21-C28	13.647	17.317	1138632	5.729	400	ug/ml
Aliphatic C28-C40	17.318	22.251	15832198	79.201	600	ug/ml
Aliphatic EPH	3.199	22.251	24599881	123.305		ug/ml
ortho-Terphenyl (SURR)	11.940	11.940	5857833	26.69		ug/ml
1-chlorooctadecane (SURR)	13.377	13.377	3843669	23.1		ug/ml
Aliphatic C9-C28	3.199	17.317	8767683	44.105	1200	ug/ml