

Report of Analysis

Client:	PSEG	Date Collected:	12/02/25
Project:	PSEG-RANCOCAS Substation	Date Received:	12/01/25
Client Sample ID:	ROW-E2	SDG No.:	Q3746
Lab Sample ID:	Q3746-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	38.4
Sample Wt/Vol:	30.02 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	15.3		1	3.07	5.20	mg/kg	FE057141.D	12/03/25 0:29	PB170789
Aliphatic C9-C28	Aliphatic C9-C28	2.46	J	1	2.37	10.4	mg/kg	FE057141.D	12/03/25 0:29	PB170789
Total AliphaticEPH	Total AliphaticEPH	17.8			5.44	15.6	mg/kg			
Total EPH	Total EPH	17.8			5.44	15.6	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	2.46	J	1	2.37	10.4	mg/kg	12/03/25	PB170789
Aliphatic C28-C40	Aliphatic C28-C40	15.3		1	3.07	5.20	mg/kg	12/03/25	PB170789
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	26.6			40 - 140	53%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	29.6			40 - 140	59%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3746-02	Acq On:	03 Dec 2025 00:29
Client Sample ID:	ROW-E2	Operator:	YP\AJ
Data file:	FE057141.D	Misc:	
Instrument:	FID_E	ALS Vial:	31
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.199	6.825	515482	2.569	300	ug/ml
Aliphatic C12-C16	6.826	10.272	1313700	6.466	200	ug/ml
Aliphatic C16-C21	10.273	13.646	1015699	5.122	300	ug/ml
Aliphatic C21-C28	13.647	17.317	1428138	7.186	400	ug/ml
Aliphatic C28-C40	17.318	22.251	17684810	88.468	600	ug/ml
Aliphatic EPH	3.199	22.251	21957829	109.81		ug/ml
ortho-Terphenyl (SURR)	11.940	11.940	6502191	29.63		ug/ml
1-chlorooctadecane (SURR)	13.377	13.377	4426641	26.6		ug/ml
Aliphatic C9-C28	3.199	17.317	4273019	21.343	1200	ug/ml