

Report of Analysis

Client:	PSEG	Date Collected:	10/13/25
Project:	Nicholson Substation	Date Received:	10/13/25
Client Sample ID:	LAYDOWN-YARD-2	SDG No.:	Q3337
Lab Sample ID:	Q3337-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	86.7
Sample Wt/Vol:	30.08 g	Test:	EPH_NF
Prep Method :		Final Vol:	2000 uL
		Prep Date :	10/15/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	51.2		2	2.71	4.60	mg/kg	FE056345.D	10/16/25 10:22	PB170109
Aliphatic C9-C28	Aliphatic C9-C28	6.98		1	1.05	4.60	mg/kg	FE056330.D	10/15/25 15:49	PB170109
Total AliphaticEPH	Total AliphaticEPH	58.2			3.76	9.20	mg/kg			
Total EPH	Total EPH	58.2			3.76	9.20	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	6.98	1		1.05	4.60	mg/kg	10/15/25	PB170109
Aliphatic C28-C40	Aliphatic C28-C40	52.3	E 1		1.36	2.30	mg/kg	10/15/25	PB170109
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	28.5			40 - 140	57%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	30.2			40 - 140	60%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3337-03	Acq On:	15 Oct 2025 15:49
Client Sample ID:	LAYDOWN-YARD-2	Operator:	YP\AJ
Data file:	FE056330.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	3.303	6.937	801985	5.727	300	ug/ml
Aliphatic C12-C16	6.938	10.387	2089500	13.623	200	ug/ml
Aliphatic C16-C21	10.388	13.765	4229245	25.496	300	ug/ml
Aliphatic C21-C28	13.766	17.436	6859745	46.185	400	ug/ml
Aliphatic C28-C40	17.437	22.435	92981083	682.42	600	ug/ml
Aliphatic EPH	3.303	22.435	106961558	773.452		ug/ml
ortho-Terphenyl (SURR)	12.063	12.063	5663297	30.18		ug/ml
1-chlorooctadecane (SURR)	13.499	13.499	3975883	28.49		ug/ml
Aliphatic C9-C28	3.303	17.436	13980475	91.031	1200	ug/ml