

Report of Analysis

Client:	PSEG	Date Collected:	10/13/25
Project:	Nicholson Substation	Date Received:	10/13/25
Client Sample ID:	LAYDOWN-YARD-1	SDG No.:	Q3337
Lab Sample ID:	Q3337-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	86.9
Sample Wt/Vol:	30.04 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	58.4		2	2.71	4.60	mg/kg	FE056344.D	10/16/25 9:52	PB170109
Aliphatic C9-C28	Aliphatic C9-C28	8.89		1	1.04	4.60	mg/kg	FE056329.D	10/15/25 15:19	PB170109
Total AliphaticEPH	Total AliphaticEPH	67.3			3.75	9.20	mg/kg			
Total EPH	Total EPH	67.3			3.75	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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Prep Method :		Prep Date	10/15/25
		Test:	EPH_NF

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	9.86	2		2.09	9.19	mg/kg	10/16/25	PB170109
Aliphatic C28-C40	Aliphatic C28-C40	58.4	2		2.71	4.60	mg/kg	10/16/25	PB170109
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	12.6			40 - 140	50%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	13.7			40 - 140	55%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3337-01	Acq On:	16 Oct 2025 09:52
Client Sample ID:	LAYDOWN-YARD-1	Operator:	YP\AJ
Data file:	FE056344.D	Misc:	
Instrument:	FID_E	ALS Vial:	11
Dilution Factor:	2	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.300	6.935	654510	4.674	300	ug/ml
Aliphatic C12-C16	6.936	10.385	950237	6.195	200	ug/ml
Aliphatic C16-C21	10.386	13.762	1576211	9.502	300	ug/ml
Aliphatic C21-C28	13.763	17.433	6525017	43.931	400	ug/ml
Aliphatic C28-C40	17.434	22.434	51941048	381.213	600	ug/ml
Aliphatic EPH	3.300	22.434	61647023	445.517		ug/ml
ortho-Terphenyl (SURR)	12.059	12.059	2575882	13.73		ug/ml
1-chlorooctadecane (SURR)	13.496	13.496	1759589	12.61		ug/ml
Aliphatic C9-C28	3.300	17.433	9705975	64.302	1200	ug/ml