

Report of Analysis

Client:	PSEG	Date Collected:	
Project:	Nicholson Substation	Date Received:	
Client Sample ID:	LAYDOWN-YARD-2MS	SDG No.:	Q3337
Lab Sample ID:	Q3337-03MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	86.7
Sample Wt/Vol:	30.02 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
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TARGETS

Total AliphaticEPH	Total AliphaticEPH	218			2.41	6.92	mg/kg			
Total EPH	Total EPH	218			2.41	6.92	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	135	E	1	1.05	4.61	mg/kg	10/15/25	PB170109
Aliphatic C28-C40	Aliphatic C28-C40	83.1	E	1	1.36	2.31	mg/kg	10/15/25	PB170109
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	30.6			40 - 140	61%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	29.3			40 - 140	59%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3337-03MS	Acq On:	15 Oct 2025 16:50
Client Sample ID:	Q3337-03MS	Operator:	YP\AJ
Data file:	FE056332.D	Misc:	
Instrument:	FID_E	ALS Vial:	17
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.303	6.937	31151981	222.47	300	ug/ml
Aliphatic C12-C16	6.938	10.387	70060564	456.788	200	ug/ml
Aliphatic C16-C21	10.388	13.765	79710724	480.533	300	ug/ml
Aliphatic C21-C28	13.766	17.436	89289157	601.164	400	ug/ml
Aliphatic C28-C40	17.437	22.435	147356705	1080	600	ug/ml
Aliphatic EPH	3.303	22.435	417569131	2840		ug/ml
ortho-Terphenyl (SURR)	12.064	12.064	5505541	29.34		ug/ml
1-chlorooctadecane (SURR)	13.499	13.499	4275208	30.63		ug/ml
Aliphatic C9-C28	3.303	17.436	270212426	1760	1200	ug/ml