

Report of Analysis

Client:	PSEG	Date Collected:	
Project:	Nicholson Substation	Date Received:	
Client Sample ID:	PB170109BS	SDG No.:	Q3337
Lab Sample ID:	PB170109BS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.03 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	105			2.09	5.99	mg/kg			
Total EPH	Total EPH	105			2.09	5.99	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	82.2	E	1	0.91	3.99	mg/kg	10/15/25	PB170109
Aliphatic C28-C40	Aliphatic C28-C40	22.4		1	1.18	2.00	mg/kg	10/15/25	PB170109
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	37.0			40 - 140	74%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	36.5			40 - 140	73%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB170109BS	Acq On:	15 Oct 2025 14:18
Client Sample ID:	PB170109BS	Operator:	YP\AJ
Data file:	FE056327.D	Misc:	
Instrument:	FID_E	ALS Vial:	12
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.303	6.937	29829989	213.029	300	ug/ml
Aliphatic C12-C16	6.938	10.387	46671639	304.295	200	ug/ml
Aliphatic C16-C21	10.388	13.765	52792910	318.26	300	ug/ml
Aliphatic C21-C28	13.766	17.436	59188549	398.503	400	ug/ml
Aliphatic C28-C40	17.437	22.435	45823043	336.311	600	ug/ml
Aliphatic EPH	3.303	22.435	234306130	1570		ug/ml
ortho-Terphenyl (SURR)	12.065	12.065	6846646	36.49		ug/ml
1-chlorooctadecane (SURR)	13.501	13.501	5170199	37.05		ug/ml
Aliphatic C9-C28	3.303	17.436	188483087	1230	1200	ug/ml