

Report of Analysis

Client:	PSEG	Date Collected:	
Project:	Nicholson Substation	Date Received:	
Client Sample ID:	PB170109BSD	SDG No.:	Q3337
Lab Sample ID:	PB170109BSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
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	101			2.09	5.99	mg/kg			
Total EPH	Total EPH	101			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	76.7	1		0.91	3.99	mg/kg	10/15/25	PB170109
Aliphatic C28-C40	Aliphatic C28-C40	24.0	1		1.18	2.00	mg/kg	10/15/25	PB170109
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	34.0			40 - 140	68%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	33.5			40 - 140	67%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB170109BSD	Acq On:	15 Oct 2025 14:48
Client Sample ID:	PB170109BSD	Operator:	YP\AJ
Data file:	FE056328.D	Misc:	
Instrument:	FID_E	ALS Vial:	13
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.303	6.937	27240989	194.54	300	ug/ml
Aliphatic C12-C16	6.938	10.387	42741055	278.668	200	ug/ml
Aliphatic C16-C21	10.388	13.765	48847884	294.478	300	ug/ml
Aliphatic C21-C28	13.766	17.436	56928601	383.288	400	ug/ml
Aliphatic C28-C40	17.437	22.435	49149257	360.723	600	ug/ml
Aliphatic EPH	3.303	22.435	224907786	1510		ug/ml
ortho-Terphenyl (SURR)	12.064	12.064	6292615	33.53		ug/ml
1-chlorooctadecane (SURR)	13.500	13.500	4746099	34.01		ug/ml
Aliphatic C9-C28	3.303	17.436	175758529	1150	1200	ug/ml