

Report of Analysis

Client:	PSEG	Date Collected:	
Project:	Waldwick Substation	Date Received:	
Client Sample ID:	PB169044BS	SDG No.:	Q2709
Lab Sample ID:	PB169044BS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
07/29/25 09:40	07/29/25 14:24	PB169044

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	24.5		1	1.18	2.00	mg/kg	FE055067.D
Aliphatic C9-C28	Aliphatic C9-C28	66.4		1	0.91	3.99	mg/kg	FE055067.D
Total AliphaticEPH	Total AliphaticEPH	90.9			2.09	5.99	mg/kg	
Total EPH	Total EPH	90.9			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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File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE055067.D	1	07/29/25	07/29/25	PB169044

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	66.4		0.91	3.99	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	24.5		1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	34.9		40 - 140	70%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	33.5		40 - 140	67%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB169044BS	Acq On:	29 Jul 2025 14:24
Client Sample ID:	PB169044BS	Operator:	YP\AJ
Data file:	FE055067.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	3.325	6.960	21969378	177.207	300	ug/ml
Aliphatic C12-C16	6.961	10.412	29325038	220.63	200	ug/ml
Aliphatic C16-C21	10.413	13.792	33685634	256.877	300	ug/ml
Aliphatic C21-C28	13.793	17.463	42691613	342.201	400	ug/ml
Aliphatic C28-C40	17.464	22.491	44374412	368.287	600	ug/ml
Aliphatic EPH	3.325	22.491	172046075	1370		ug/ml
ortho-Terphenyl (SURR)	12.090	12.090	4966395	33.55		ug/ml
1-chlorooctadecane (SURR)	13.526	13.526	3912351	34.94		ug/ml
Aliphatic C9-C28	3.325	17.463	127671663	996.915	1200	ug/ml