

Report of Analysis

Client:	PSEG	Date Collected:	12/05/25
Project:	PSEG Pennsauken Class H Sub	Date Received:	12/05/25
Client Sample ID:	SOIL#1-EPH-2	SDG No.:	Q3801
Lab Sample ID:	Q3801-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.5
Sample Wt/Vol:	30.04 g	Test:	EPH_NF
Prep Method :	Final Vol: 2000 uL Prep Date : 12/08/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	12.6		1	1.32	2.23	mg/kg	FE057224.D	12/09/25 1:15	PB170866
Aliphatic C9-C28	Aliphatic C9-C28	5.00		1	1.01	4.47	mg/kg	FE057224.D	12/09/25 1:15	PB170866
Total AliphaticEPH	Total AliphaticEPH	17.6			2.34	6.70	mg/kg			
Total EPH	Total EPH	17.6			2.34	6.70	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 Date	12/08/25	

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TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	5.00	1		1.01	4.47	mg/kg	12/09/25	PB170866
Aliphatic C28-C40	Aliphatic C28-C40	12.6	1		1.32	2.23	mg/kg	12/09/25	PB170866
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	22.6			40 - 140	45%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	25.8			40 - 140	52%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3801-05	Acq On:	09 Dec 2025 01:15
Client Sample ID:	SOIL#1-EPH-2	Operator:	YP\AJ
Data file:	FE057224.D	Misc:	
Instrument:	FID_E	ALS Vial:	20
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.193	6.819	362025	1.804	300	ug/ml
Aliphatic C12-C16	6.820	10.265	1516714	7.465	200	ug/ml
Aliphatic C16-C21	10.266	13.640	7506939	37.853	300	ug/ml
Aliphatic C21-C28	13.641	17.310	4358203	21.928	400	ug/ml
Aliphatic C28-C40	17.311	22.240	33770387	168.936	600	ug/ml
Aliphatic EPH	3.193	22.240	47514268	237.988		ug/ml
ortho-Terphenyl (SURR)	11.934	11.934	5667073	25.82		ug/ml
1-chlorooctadecane (SURR)	13.371	13.371	3756371	22.57		ug/ml
Aliphatic C9-C28	3.193	17.310	13743881	69.05	1200	ug/ml