

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#2	SDG No.:	Q3801
Lab Sample ID:	Q3801-06	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.3
Sample Wt/Vol:	30.08 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	9.56		1	1.29	2.18	mg/kg	FE057225.D	12/09/25 1:45	PB170866
Aliphatic C9-C28	Aliphatic C9-C28	2.55	J	1	0.99	4.37	mg/kg	FE057225.D	12/09/25 1:45	PB170866
Total AliphaticEPH	Total AliphaticEPH	12.1			2.28	6.55	mg/kg			
Total EPH	Total EPH	12.1			2.28	6.55	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	2.55	J	1	0.99	4.37	mg/kg	12/09/25	PB170866
Aliphatic C28-C40	Aliphatic C28-C40	9.56		1	1.29	2.18	mg/kg	12/09/25	PB170866
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	22.4			40 - 140	45%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	26.4			40 - 140	53%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3801-06	Acq On:	09 Dec 2025 01:45
Client Sample ID:	SOIL#2	Operator:	YP\AJ
Data file:	FE057225.D	Misc:	
Instrument:	FID_E	ALS Vial:	21
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.193	6.819	644582	3.212	300	ug/ml
Aliphatic C12-C16	6.820	10.265	2128039	10.474	200	ug/ml
Aliphatic C16-C21	10.266	13.640	982369	4.954	300	ug/ml
Aliphatic C21-C28	13.641	17.310	3257847	16.392	400	ug/ml
Aliphatic C28-C40	17.311	22.240	26234300	131.237	600	ug/ml
Aliphatic EPH	3.193	22.240	33247137	166.269		ug/ml
ortho-Terphenyl (SURR)	11.934	11.934	5799494	26.43		ug/ml
1-chlorooctadecane (SURR)	13.371	13.371	3720993	22.36		ug/ml
Aliphatic C9-C28	3.193	17.310	7012837	35.032	1200	ug/ml