

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	SDG No.:	Q3801
Lab Sample ID:	Q3801-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90
Sample Wt/Vol:	30.03 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	11.6		1	1.31	2.22	mg/kg	FE057221.D	12/08/25 17:36	PB170866
Aliphatic C9-C28	Aliphatic C9-C28	5.01		1	1.01	4.44	mg/kg	FE057221.D	12/08/25 17:36	PB170866
Total AliphaticEPH	Total AliphaticEPH	16.6			2.32	6.66	mg/kg			
Total EPH	Total EPH	16.6			2.32	6.66	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

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	5.01	1		1.01	4.44	mg/kg	12/08/25	PB170866
Aliphatic C28-C40	Aliphatic C28-C40	11.6	1		1.31	2.22	mg/kg	12/08/25	PB170866
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	23.9			40 - 140	48%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	27.5			40 - 140	55%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3801-01	Acq On:	08 Dec 2025 17:36
Client Sample ID:	SOIL#1	Operator:	YP\AJ
Data file:	FE057221.D	Misc:	
Instrument:	FID_E	ALS Vial:	17
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.193	6.819	615835	3.069	300	ug/ml
Aliphatic C12-C16	6.820	10.265	2339552	11.515	200	ug/ml
Aliphatic C16-C21	10.266	13.640	5822074	29.358	300	ug/ml
Aliphatic C21-C28	13.641	17.310	4726146	23.78	400	ug/ml
Aliphatic C28-C40	17.311	22.240	31266831	156.412	600	ug/ml
Aliphatic EPH	3.193	22.240	44770438	224.134		ug/ml
ortho-Terphenyl (SURR)	11.933	11.933	6041079	27.53		ug/ml
1-chlorooctadecane (SURR)	13.371	13.371	3979631	23.91		ug/ml
Aliphatic C9-C28	3.193	17.310	13503607	67.722	1200	ug/ml