

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-1	SDG No.:	Q3801
Lab Sample ID:	Q3801-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.3
Sample Wt/Vol:	30.01 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	2.24	mg/kg	FE057223.D	12/09/25 0:45	PB170866
Aliphatic C9-C28	Aliphatic C9-C28	6.36		1	1.02	4.48	mg/kg	FE057223.D	12/09/25 0:45	PB170866
Total AliphaticEPH	Total AliphaticEPH	19.0			2.34	6.72	mg/kg			
Total EPH	Total EPH	19.0			2.34	6.72	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

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-1	SDG No.:	Q3801
Lab Sample ID:	Q3801-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.3
Sample Wt/Vol:	30.01 g	Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF
		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	6.36	1		1.02	4.48	mg/kg	12/09/25	PB170866
Aliphatic C28-C40	Aliphatic C28-C40	12.6	1		1.32	2.24	mg/kg	12/09/25	PB170866
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	23.4			40 - 140	47%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	27.1			40 - 140	54%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3801-04	Acq On:	09 Dec 2025 00:45
Client Sample ID:	SOIL#1-EPH-1	Operator:	YP\AJ
Data file:	FE057223.D	Misc:	
Instrument:	FID_E	ALS Vial:	19
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.193	6.819	386897	1.928	300	ug/ml
Aliphatic C12-C16	6.820	10.265	1704518	8.389	200	ug/ml
Aliphatic C16-C21	10.266	13.640	9440213	47.602	300	ug/ml
Aliphatic C21-C28	13.641	17.310	5799089	29.178	400	ug/ml
Aliphatic C28-C40	17.311	22.240	33683626	168.502	600	ug/ml
Aliphatic EPH	3.193	22.240	51014343	255.6		ug/ml
ortho-Terphenyl (SURR)	11.936	11.936	5935867	27.05		ug/ml
1-chlorooctadecane (SURR)	13.373	13.373	3895661	23.41		ug/ml
Aliphatic C9-C28	3.193	17.310	17330717	87.097	1200	ug/ml