

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	SDG No.:	Q3801
Lab Sample ID:	Q3801-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.4
Sample Wt/Vol:	30.05 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	9.03		1	1.32	2.23	mg/kg	FE057222.D	12/08/25 18:07	PB170866
Aliphatic C9-C28	Aliphatic C9-C28	2.28	J	1	1.02	4.47	mg/kg	FE057222.D	12/08/25 18:07	PB170866
Total AliphaticEPH	Total AliphaticEPH	11.3			2.34	6.70	mg/kg			
Total EPH	Total EPH	11.3			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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CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	2.28	J	1	1.02	4.47	mg/kg	12/08/25	PB170866
Aliphatic C28-C40	Aliphatic C28-C40	9.03		1	1.32	2.23	mg/kg	12/08/25	PB170866
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	22.6			40 - 140	45%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	26.2			40 - 140	52%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3801-02	Acq On:	08 Dec 2025 18:07
Client Sample ID:	SOIL#1-EPH	Operator:	YP\AJ
Data file:	FE057222.D	Misc:	
Instrument:	FID_E	ALS Vial:	18
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.193	6.819	545792	2.72	300	ug/ml
Aliphatic C12-C16	6.820	10.265	1340512	6.598	200	ug/ml
Aliphatic C16-C21	10.266	13.640	1244098	6.273	300	ug/ml
Aliphatic C21-C28	13.641	17.310	2993800	15.063	400	ug/ml
Aliphatic C28-C40	17.311	22.240	24251211	121.317	600	ug/ml
Aliphatic EPH	3.193	22.240	30375413	151.971		ug/ml
ortho-Terphenyl (SURR)	11.933	11.933	5746807	26.19		ug/ml
1-chlorooctadecane (SURR)	13.370	13.370	3753925	22.56		ug/ml
Aliphatic C9-C28	3.193	17.310	6124202	30.654	1200	ug/ml