

Report of Analysis

Client:	PSEG	Date Collected:	06/05/25
Project:	PSEG 1500 Clinton St	Date Received:	06/05/25
Client Sample ID:	TP-1-EPH	SDG No.:	Q2240
Lab Sample ID:	Q2240-10	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	74.8
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
06/09/25 08:30	06/09/25 19:11	PB168341

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	48.1		1	1.58	2.67	mg/kg FE054254.D
Aliphatic C9-C28	Aliphatic C9-C28	11.2		1	1.22	5.35	mg/kg FE054254.D
Total AliphaticEPH	Total AliphaticEPH	59.3			2.80	8.02	mg/kg
Total EPH	Total EPH	59.3			2.80	8.02	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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Sample Wt/Vol:	30.04 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE054254.D	1	06/09/25	06/09/25	PB168341

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	11.2		1.22	5.35	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	48.1		1.58	2.67	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	33.5		40 - 140	67%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	29.7		40 - 140	59%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2240-10	Acq On:	09 Jun 2025 19:11
Client Sample ID:	TP-1-EPH	Operator:	YP\AJ
Data file:	FE054254.D	Misc:	
Instrument:	FID_E	ALS Vial:	15
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.082	6.727	697738	5.147	300	ug/ml
Aliphatic C12-C16	6.728	10.174	2236144	16.571	200	ug/ml
Aliphatic C16-C21	10.175	13.548	5546179	42.045	300	ug/ml
Aliphatic C21-C28	13.549	17.217	7781230	62.662	400	ug/ml
Aliphatic C28-C40	17.218	22.094	62408485	540.657	600	ug/ml
Aliphatic EPH	3.082	22.094	78669776	667.083		ug/ml
ortho-Terphenyl (SURR)	11.841	11.841	4822757	29.68		ug/ml
1-chlorooctadecane (SURR)	13.286	13.286	3973830	33.52		ug/ml
Aliphatic C9-C28	3.082	17.217	16261291	126.425	1200	ug/ml