

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	SDG No.:	Q2240
Lab Sample ID:	Q2240-09	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	78
Sample Wt/Vol:	30.01	Units:	g
Soil Aliquot Vol:			uL
Prep Method :		Final Vol:	2000
		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
06/09/25 08:30	06/10/25 12:47	PB168341

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	66.9		2	3.02	5.13	mg/kg FE054283.D
Aliphatic C9-C28	Aliphatic C9-C28	9.91		1	1.17	5.12	mg/kg FE054253.D
Total AliphaticEPH	Total AliphaticEPH	76.8			4.19	10.3	mg/kg
Total EPH	Total EPH	76.8			4.19	10.3	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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Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE054253.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	9.91		1.17	5.12	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	62.8	E	1.51	2.56	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	33.6		40 - 140	67%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	30.1		40 - 140	60%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2240-09	Acq On:	09 Jun 2025 18:41
Client Sample ID:	TP-1	Operator:	YP\AJ
Data file:	FE054253.D	Misc:	
Instrument:	FID_E	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.082	6.727	535225	3.948	300	ug/ml
Aliphatic C12-C16	6.728	10.174	1888519	13.995	200	ug/ml
Aliphatic C16-C21	10.175	13.548	3996305	30.296	300	ug/ml
Aliphatic C21-C28	13.549	17.217	8403413	67.673	400	ug/ml
Aliphatic C28-C40	17.218	22.094	84783833	734.499	600	ug/ml
Aliphatic EPH	3.082	22.094	99607295	850.411		ug/ml
ortho-Terphenyl (SURR)	11.841	11.841	4895388	30.12		ug/ml
1-chlorooctadecane (SURR)	13.287	13.287	3985796	33.62		ug/ml
Aliphatic C9-C28	3.082	17.217	14823462	115.912	1200	ug/ml