

Report of Analysis

Client:	PSEG	Date Collected:	06/13/25
Project:	PSEG 48 W Kinney St	Date Received:	06/13/25
Client Sample ID:	TP-1	SDG No.:	Q2312
Lab Sample ID:	Q2312-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	86.1
Sample Wt/Vol:	30.02	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
06/16/25 08:50	06/16/25 18:18	PB168485

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	4.15		1	1.37	2.32	mg/kg	FE054411.D
Aliphatic C9-C28	Aliphatic C9-C28	2.31	J	1	1.06	4.64	mg/kg	FE054411.D
Total AliphaticEPH	Total AliphaticEPH	6.46	J		2.43	6.96	mg/kg	
Total EPH	Total EPH	6.46	J		2.43	6.96	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
FE054411.D	1	06/16/25	06/16/25	PB168485

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	2.31	J	1.06	4.64	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	4.15		1.37	2.32	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	31.8		40 - 140	64%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	30.1		40 - 140	60%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2312-01	Acq On:	16 Jun 2025 18:18
Client Sample ID:	TP-1	Operator:	YP\AJ
Data file:	FE054411.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	3.075	6.719	2647854	21.14	300	ug/ml
Aliphatic C12-C16	6.720	10.165	682191	5.202	200	ug/ml
Aliphatic C16-C21	10.166	13.538	465312	3.474	300	ug/ml
Aliphatic C21-C28	13.539	17.207	896908	7.058	400	ug/ml
Aliphatic C28-C40	17.208	22.075	6875750	53.614	600	ug/ml
Aliphatic EPH	3.075	22.075	11568015	90.488		ug/ml
ortho-Terphenyl (SURR)	11.825	11.825	4980718	30.14		ug/ml
1-chlorooctadecane (SURR)	13.269	13.269	3874881	31.77		ug/ml
Aliphatic C9-C28	3.075	17.207	4692265	36.874	1200	ug/ml