

Report of Analysis

Client:	PSEG	Date Collected:	08/12/25
Project:	PSEG Metro Way	Date Received:	08/12/25
Client Sample ID:	TP-10-EPH	SDG No.:	Q2838
Lab Sample ID:	Q2838-06	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	61.9
Sample Wt/Vol:	30.09	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
08/14/25 09:50	08/14/25 16:29	PB169246

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	43.0		1	1.90	3.22	mg/kg FE055302.D
Aliphatic C9-C28	Aliphatic C9-C28	16.0		1	1.47	6.44	mg/kg FE055302.D
Total AliphaticEPH	Total AliphaticEPH	59.0			3.37	9.66	mg/kg
Total EPH	Total EPH	59.0			3.37	9.66	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:	30.09 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
FE055302.D	1	08/14/25	08/14/25	PB169246

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	16.0		1.47	6.44	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	43.0		1.90	3.22	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	54.7		40 - 140	109%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	50.7		40 - 140	101%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2838-06	Acq On:	14 Aug 2025 16:29
Client Sample ID:	TP-10-EPH	Operator:	YP\AJ
Data file:	FE055302.D	Misc:	
Instrument:	FID_E	ALS Vial:	13
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.325	6.959	650428	5.57	300	ug/ml
Aliphatic C12-C16	6.960	10.413	1768271	14.121	200	ug/ml
Aliphatic C16-C21	10.414	13.792	10455585	82.715	300	ug/ml
Aliphatic C21-C28	13.793	17.465	5569315	46.216	400	ug/ml
Aliphatic C28-C40	17.466	22.492	45635945	400.36	600	ug/ml
Aliphatic EPH	3.325	22.492	64079544	548.982		ug/ml
ortho-Terphenyl (SURR)	12.089	12.089	7239659	50.7		ug/ml
1-chlorooctadecane (SURR)	13.525	13.525	5878465	54.67		ug/ml
Aliphatic C9-C28	3.325	17.465	18443599	148.622	1200	ug/ml