

Report of Analysis

Client:	PSEG	Date Collected:	08/12/25
Project:	PSEG Metro Way	Date Received:	08/12/25
Client Sample ID:	TP-10	SDG No.:	Q2838
Lab Sample ID:	Q2838-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	86.7
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:			uL
Prep Method :		Final Vol:	2000
		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
08/14/25 09:50	08/14/25 15:58	PB169246

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	31.6		1	1.36	2.30	mg/kg	FE055301.D
Aliphatic C9-C28	Aliphatic C9-C28	7.01		1	1.05	4.61	mg/kg	FE055301.D
Total AliphaticEPH	Total AliphaticEPH	38.6			2.41	6.91	mg/kg	
Total EPH	Total EPH	38.6			2.41	6.91	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
FE055301.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	7.01		1.05	4.61	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	31.6		1.36	2.30	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	42.5		40 - 140	85%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	42.0		40 - 140	84%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2838-05	Acq On:	14 Aug 2025 15:58
Client Sample ID:	TP-10	Operator:	YP\AJ
Data file:	FE055301.D	Misc:	
Instrument:	FID_E	ALS Vial:	12
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.325	6.959	1154785	9.888	300	ug/ml
Aliphatic C12-C16	6.960	10.413	2549469	20.359	200	ug/ml
Aliphatic C16-C21	10.414	13.792	3866481	30.588	300	ug/ml
Aliphatic C21-C28	13.793	17.465	3664648	30.411	400	ug/ml
Aliphatic C28-C40	17.466	22.492	46951248	411.899	600	ug/ml
Aliphatic EPH	3.325	22.492	58186631	503.145		ug/ml
ortho-Terphenyl (SURR)	12.088	12.088	5999342	42.01		ug/ml
1-chlorooctadecane (SURR)	13.525	13.525	4575649	42.55		ug/ml
Aliphatic C9-C28	3.325	17.465	11235383	91.246	1200	ug/ml