

Report of Analysis

Client:	PSEG	Date Collected:	08/12/25
Project:	PSEG Metro Way	Date Received:	08/12/25
Client Sample ID:	TP-11-EPH	SDG No.:	Q2838
Lab Sample ID:	Q2838-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	77.7
Sample Wt/Vol:	30.05	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 15:28	PB169246

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	17.3		1	1.52	2.57	mg/kg
Aliphatic C9-C28	Aliphatic C9-C28	102		2	2.34	10.3	mg/kg
Total AliphaticEPH	Total AliphaticEPH	120			3.86	12.8	mg/kg
Total EPH	Total EPH	120			3.86	12.8	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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Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE055300.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	113	E	1.17	5.13	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	17.3		1.52	2.57	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	36.0		40 - 140	72%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	34.7		40 - 140	69%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2838-02	Acq On:	14 Aug 2025 15:28
Client Sample ID:	TP-11-EPH	Operator:	YP\AJ
Data file:	FE055300.D	Misc:	
Instrument:	FID_E	ALS Vial:	11
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.325	6.959	13044940	111.703	300	ug/ml
Aliphatic C12-C16	6.960	10.413	71241387	568.898	200	ug/ml
Aliphatic C16-C21	10.414	13.792	62499700	494.441	300	ug/ml
Aliphatic C21-C28	13.793	17.465	16822125	139.596	400	ug/ml
Aliphatic C28-C40	17.466	22.492	23013427	201.895	600	ug/ml
Aliphatic EPH	3.325	22.492	186621579	1520		ug/ml
ortho-Terphenyl (SURR)	12.092	12.092	4956664	34.71		ug/ml
1-chlorooctadecane (SURR)	13.528	13.528	3871088	36		ug/ml
Aliphatic C9-C28	3.325	17.465	163608152	1310	1200	ug/ml