

Report of Analysis

Client:	PSEG	Date Collected:	08/12/25
Project:	PSEG Metro Way	Date Received:	08/12/25
Client Sample ID:	TP-11	SDG No.:	Q2838
Lab Sample ID:	Q2838-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.7
Sample Wt/Vol:	30.03	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 17:45	PB169246

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	5.21		1	1.34	2.28	mg/kg FC069660.D
Aliphatic C9-C28	Aliphatic C9-C28	237		5	5.18	22.8	mg/kg FC069670.D
Total AliphaticEPH	Total AliphaticEPH	242			6.52	25.1	mg/kg
Total EPH	Total EPH	242			6.52	25.1	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:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC069660.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	217	E	1.04	4.56	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	5.21		1.34	2.28	mg/kg
SURROGATES						
1-chlorooctadecane (SURR)	1-chlorooctadecane (SURR)	49.9		40 - 140	100%	SPK: 50
ortho-Terphenyl (SURR)	ortho-Terphenyl (SURR)	48.5		40 - 140	97%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2838-01	Acq On:	14 Aug 2025 17:45
Client Sample ID:	TP-11	Operator:	YP/AJ
Data file:	FC069660.D	Misc:	
Instrument:	FID_C	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.293	6.592	31808277	219.854	300	ug/ml
Aliphatic C12-C16	6.593	9.995	212650962	1480	200	ug/ml
Aliphatic C16-C21	9.996	13.364	139143179	1040	300	ug/ml
Aliphatic C21-C28	13.365	17.031	14431805	121.985	400	ug/ml
Aliphatic C28-C40	17.032	22.004	6536186	68.574	600	ug/ml
Aliphatic EPH	3.293	22.004	404570409	2930		ug/ml
ortho-Terphenyl (SURR)	11.669	11.669	7236565	48.51		ug/ml
1-chlorooctadecane (SURR)	13.103	13.103	5444144	49.94		ug/ml
Aliphatic C9-C28	3.293	17.031	398034223	2870	1200	ug/ml