

## Report of Analysis

Client:	PSEG	Date Collected:	
Project:	PSEG Metro Way	Date Received:	
Client Sample ID:	TP-6MS	SDG No.:	Q2798
Lab Sample ID:	Q2798-01MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.2
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:			uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
08/08/25 09:37	08/08/25 19:03	PB169177

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
<b>TARGETS</b>							
Total AliphaticEPH	Total AliphaticEPH	92.5			2.34	6.72	mg/kg
Total EPH	Total EPH	92.5			2.34	6.72	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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Client:	PSEG	Date Collected:	
Project:	PSEG Metro Way	Date Received:	
Client Sample ID:	TP-6MS	SDG No.:	Q2798
Lab Sample ID:	Q2798-01MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.2
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:			uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
08/08/25 09:37	08/08/25 19:03	PB169177

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
<b>TARGETS</b>							
Total AliphaticEPH	Total AliphaticEPH	92.5			2.34	6.72	mg/kg
Total EPH	Total EPH	92.5			2.34	6.72	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.

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Project:	PSEG Metro Way	Date Received:	
Client Sample ID:	TP-6MS	SDG No.:	Q2798
Lab Sample ID:	Q2798-01MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.2
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC069626.D	1	08/08/25	08/08/25	PB169177

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
<b>TARGETS</b>						
Aliphatic C9-C28	Aliphatic C9-C28	58.6		1.02	4.48	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	33.9		1.32	2.24	mg/kg
<b>SURROGATES</b>						
3383-33-2	1-chlorooctadecane (SURR)	30.6		40 - 140	61%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	29.6		40 - 140	59%	SPK: 50

## Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2798-01MS	Acq On:	08 Aug 2025 19:03
Client Sample ID:	Q2798-01MS	Operator:	YP/AJ
Data file:	FC069626.D	Misc:	
Instrument:	FID_C	ALS Vial:	16
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.298	6.596	16727765	115.62	300	ug/ml
Aliphatic C12-C16	6.597	10.000	25851838	180.234	200	ug/ml
Aliphatic C16-C21	10.001	13.369	29790128	223.045	300	ug/ml
Aliphatic C21-C28	13.370	17.034	31402987	265.435	400	ug/ml
Aliphatic C28-C40	17.035	22.011	43235079	453.601	600	ug/ml
Aliphatic EPH	3.298	22.011	147007797	1240		ug/ml
ortho-Terphenyl (SURR)	11.667	11.667	4408308	29.55		ug/ml
1-chlorooctadecane (SURR)	13.103	13.103	3334171	30.58		ug/ml
Aliphatic C9-C28	3.298	17.034	103772718	784.334	1200	ug/ml