

Report of Analysis

Client:	PSEG	Date Collected:	
Project:	PSEG Metro Way	Date Received:	
Client Sample ID:	PB169177BS	SDG No.:	Q2798
Lab Sample ID:	PB169177BS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.02	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 16:06	PB169177

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Total AliphaticEPH	Total AliphaticEPH	81.4			2.09	5.99	mg/kg
Total EPH	Total EPH	81.4			2.09	5.99	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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Project:	PSEG Metro Way	Date Received:	
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Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.02	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 16:06	PB169177

Datafile

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Total AliphaticEPH	Total AliphaticEPH	81.4			2.09	5.99	mg/kg
Total EPH	Total EPH	81.4			2.09	5.99	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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Report of Analysis

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Project:	PSEG Metro Way	Date Received:	
Client Sample ID:	PB169177BS	SDG No.:	Q2798
Lab Sample ID:	PB169177BS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:		Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC069622.D	1	08/08/25	08/08/25	PB169177

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	59.7		0.91	3.99	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	21.7		1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	38.2		40 - 140	76%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	35.9		40 - 140	72%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB169177BS	Acq On:	08 Aug 2025 16:06
Client Sample ID:	PB169177BS	Operator:	YP/AJ
Data file:	FC069622.D	Misc:	
Instrument:	FID_C	ALS Vial:	12
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.298	6.596	23916818	165.309	300	ug/ml
Aliphatic C12-C16	6.597	10.000	29319332	204.408	200	ug/ml
Aliphatic C16-C21	10.001	13.369	31155267	233.266	300	ug/ml
Aliphatic C21-C28	13.370	17.034	34786125	294.031	400	ug/ml
Aliphatic C28-C40	17.035	22.011	30975361	324.978	600	ug/ml
Aliphatic EPH	3.298	22.011	150152903	1220		ug/ml
ortho-Terphenyl (SURR)	11.668	11.668	5359820	35.93		ug/ml
1-chlorooctadecane (SURR)	13.102	13.102	4168527	38.24		ug/ml
Aliphatic C9-C28	3.298	17.034	119177542	897.014	1200	ug/ml