

Report of Analysis

Client:	PSEG	Date Collected:	
Project:	PSEG Metro Way	Date Received:	
Client Sample ID:	PB169139BS	SDG No.:	Q2780
Lab Sample ID:	PB169139BS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
08/06/25 09:25	08/06/25 15:17	PB169139

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	26.5		1	1.18	2.00	mg/kg FC069582.D
Aliphatic C9-C28	Aliphatic C9-C28	70.3		1	0.91	4.00	mg/kg FC069582.D
Total AliphaticEPH	Total AliphaticEPH	96.8			2.09	6.00	mg/kg
Total EPH	Total EPH	96.8			2.09	6.00	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
FC069582.D	1	08/06/25	08/06/25	PB169139

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	70.3		0.91	4.00	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	26.5		1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	44.6		40 - 140	89%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	41.8		40 - 140	84%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB169139BS	Acq On:	06 Aug 2025 15:17
Client Sample ID:	PB169139BS	Operator:	YP/AJ
Data file:	FC069582.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	3.297	6.596	27260546	188.421	300	ug/ml
Aliphatic C12-C16	6.597	10.001	34518382	240.655	200	ug/ml
Aliphatic C16-C21	10.002	13.370	36833251	275.778	300	ug/ml
Aliphatic C21-C28	13.371	17.036	41359061	349.589	400	ug/ml
Aliphatic C28-C40	17.037	22.012	37899563	397.623	600	ug/ml
Aliphatic EPH	3.297	22.012	177870803	1450		ug/ml
ortho-Terphenyl (SURR)	11.671	11.671	6241513	41.84		ug/ml
1-chlorooctadecane (SURR)	13.104	13.104	4863604	44.61		ug/ml
Aliphatic C9-C28	3.297	17.036	139971240	1050	1200	ug/ml