

Report of Analysis

Client:	PSEG	Date Collected:	06/25/25
Project:	PSEG 104 Hamilton- Paterson	Date Received:	06/25/25
Client Sample ID:	WC-1	SDG No.:	Q2414
Lab Sample ID:	Q2414-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.4
Sample Wt/Vol:	30.05 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
06/26/25 08:50	06/26/25 21:25	PB168624

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	11.7		1	1.32	2.23	mg/kg FC069298.D
Aliphatic C9-C28	Aliphatic C9-C28	7.64		1	1.02	4.47	mg/kg FC069298.D
Total AliphaticEPH	Total AliphaticEPH	19.3			2.34	6.70	mg/kg
Total EPH	Total EPH	19.3			2.34	6.70	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
FC069298.D	1	06/26/25	06/26/25	PB168624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	7.64		1.02	4.47	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	11.7		1.32	2.23	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	35.9		40 - 140	72%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	33.8		40 - 140	68%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2414-01	Acq On:	26 Jun 2025 21:25
Client Sample ID:	WC-1	Operator:	YP/AJ
Data file:	FC069298.D	Misc:	
Instrument:	FID_C	ALS Vial:	17
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.305	6.604	3901275	26.597	300	ug/ml
Aliphatic C12-C16	6.605	10.008	1049384	6.591	200	ug/ml
Aliphatic C16-C21	10.009	13.377	7805592	50.543	300	ug/ml
Aliphatic C21-C28	13.378	17.043	2542536	18.979	400	ug/ml
Aliphatic C28-C40	17.044	22.026	14457613	156.936	600	ug/ml
Aliphatic EPH	3.305	22.026	29756400	259.646		ug/ml
ortho-Terphenyl (SURR)	11.679	11.679	5830632	33.75		ug/ml
1-chlorooctadecane (SURR)	13.114	13.114	4692071	35.92		ug/ml
Aliphatic C9-C28	3.305	17.043	15298787	102.71	1200	ug/ml