

Report of Analysis

Client:	PSEG	Date Collected:	06/24/25
Project:	PSEG 104 Hamilton - Paterson	Date Received:	06/24/25
Client Sample ID:	WC-1-EPH	SDG No.:	Q2415
Lab Sample ID:	Q2415-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.7
Sample Wt/Vol:	30.04 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	06/27/25 1:30	PB168624

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	17.9		1	1.31	2.23	mg/kg FC069304.D
Aliphatic C9-C28	Aliphatic C9-C28	5.18		1	1.01	4.44	mg/kg FC069304.D
Total AliphaticEPH	Total AliphaticEPH	23.1			2.32	6.67	mg/kg
Total EPH	Total EPH	23.1			2.32	6.67	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
FC069304.D	1	06/26/25	06/27/25	PB168624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	5.18		1.01	4.44	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	17.9		1.31	2.23	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	30.8		40 - 140	62%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	29.1		40 - 140	58%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2415-02	Acq On:	27 Jun 2025 01:30
Client Sample ID:	WC-1-EPH	Operator:	YP/AJ
Data file:	FC069304.D	Misc:	
Instrument:	FID_C	ALS Vial:	23
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.305	6.604	2978299	20.305	300	ug/ml
Aliphatic C12-C16	6.605	10.008	1076906	6.764	200	ug/ml
Aliphatic C16-C21	10.009	13.377	2250567	14.573	300	ug/ml
Aliphatic C21-C28	13.378	17.043	3776624	28.191	400	ug/ml
Aliphatic C28-C40	17.044	22.026	22235930	241.368	600	ug/ml
Aliphatic EPH	3.305	22.026	32318326	311.201		ug/ml
ortho-Terphenyl (SURR)	11.678	11.678	5028674	29.11		ug/ml
1-chlorooctadecane (SURR)	13.114	13.114	4022021	30.79		ug/ml
Aliphatic C9-C28	3.305	17.043	10082396	69.833	1200	ug/ml