

Report of Analysis

Client:	PSEG	Date Collected:	07/30/25
Project:	PSEG-104 Fair St -Paterson	Date Received:	07/01/25
Client Sample ID:	WC-1	SDG No.:	Q2478
Lab Sample ID:	Q2478-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	92.6
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
07/02/25 11:05	07/02/25 19:14	PB168702

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	25.4		1	1.27	2.16	mg/kg	FC069359.D
Aliphatic C9-C28	Aliphatic C9-C28	3.74	J	1	0.98	4.32	mg/kg	FC069359.D
Total AliphaticEPH	Total AliphaticEPH	29.1			2.25	6.48	mg/kg	
Total EPH	Total EPH	29.1			2.25	6.48	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
FC069359.D	1	07/02/25	07/02/25	PB168702

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	3.74	J	0.98	4.32	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	25.4		1.27	2.16	mg/kg
SURROGATES						
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:	Q2478-01	Acq On:	02 Jul 2025 19:14
Client Sample ID:	WC-1	Operator:	YP/AJ
Data file:	FC069359.D	Misc:	
Instrument:	FID_C	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.304	6.604	2487747	16.96	300	ug/ml
Aliphatic C12-C16	6.605	10.008	846206	5.315	200	ug/ml
Aliphatic C16-C21	10.009	13.377	1267404	8.207	300	ug/ml
Aliphatic C21-C28	13.378	17.043	2889192	21.567	400	ug/ml
Aliphatic C28-C40	17.044	22.026	32479034	352.556	600	ug/ml
Aliphatic EPH	3.304	22.026	39969583	404.605		ug/ml
ortho-Terphenyl (SURR)	11.677	11.677	5113973	29.6		ug/ml
1-chlorooctadecane (SURR)	13.112	13.112	3996415	30.59		ug/ml
Aliphatic C9-C28	3.304	17.043	7490549	52.049	1200	ug/ml