

Report of Analysis

Client:	PSEG	Date Collected:	06/30/25
Project:	PSEG 120 main st -Paterson	Date Received:	06/30/25
Client Sample ID:	WC-1	SDG No.:	Q2469
Lab Sample ID:	Q2469-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	85.4
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
07/01/25 09:00	07/01/25 16:32	PB168673

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	6.79		1	1.38	2.34	mg/kg FC069347.D
Aliphatic C9-C28	Aliphatic C9-C28	8.84		1	1.06	4.68	mg/kg FC069347.D
Total AliphaticEPH	Total AliphaticEPH	15.6			2.44	7.02	mg/kg
Total EPH	Total EPH	15.6			2.44	7.02	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
FC069347.D	1	07/01/25	07/01/25	PB168673

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	8.84		1.06	4.68	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	6.79		1.38	2.34	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	25.7		40 - 140	51%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	23.6		40 - 140	47%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2469-01	Acq On:	01 Jul 2025 16:32
Client Sample ID:	WC-1	Operator:	YP/AJ
Data file:	FC069347.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	3.306	6.604	2987623	20.368	300	ug/ml
Aliphatic C12-C16	6.605	10.009	1004846	6.311	200	ug/ml
Aliphatic C16-C21	10.010	13.379	5794029	37.518	300	ug/ml
Aliphatic C21-C28	13.380	17.045	6582706	49.137	400	ug/ml
Aliphatic C28-C40	17.046	22.028	8013331	86.984	600	ug/ml
Aliphatic EPH	3.306	22.028	24382535	200.318		ug/ml
ortho-Terphenyl (SURR)	11.678	11.678	4083890	23.64		ug/ml
1-chlorooctadecane (SURR)	13.113	13.113	3354111	25.67		ug/ml
Aliphatic C9-C28	3.306	17.045	16369204	113.334	1200	ug/ml