

Report of Analysis

Client:	PSEG	Date Collected:	05/08/25
Project:	Waldwick Substation	Date Received:	05/08/25
Client Sample ID:	COMP-9	SDG No.:	Q1986
Lab Sample ID:	Q1986-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	92.1
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
05/12/25 08:30	05/12/25 18:36	PB167945

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	2.65		1	1.28	2.17	mg/kg FE053774.D
Aliphatic C9-C28	Aliphatic C9-C28	171		5	4.93	21.7	mg/kg FE053785.D
Total AliphaticEPH	Total AliphaticEPH	174			6.21	23.8	mg/kg
Total EPH	Total EPH	174			6.21	23.8	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 :		Test:	EPH_NF

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE053774.D	1	05/12/25	05/12/25	PB167945

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	179	E	0.99	4.32	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	2.65		1.28	2.17	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	59.9		40 - 140	120%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	59.0		40 - 140	118%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1986-03	Acq On:	12 May 2025 18:36
Client Sample ID:	COMP-9	Operator:	YP\AJ
Data file:	FE053774.D	Misc:	
Instrument:	FID_E	ALS Vial:	19
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.103	6.745	439940	3.175	300	ug/ml
Aliphatic C12-C16	6.746	10.194	41793285	294.721	200	ug/ml
Aliphatic C16-C21	10.195	13.568	235423864	1620	300	ug/ml
Aliphatic C21-C28	13.569	17.237	80866095	568.78	400	ug/ml
Aliphatic C28-C40	17.238	22.126	4736200	36.701	600	ug/ml
Aliphatic EPH	3.103	22.126	363259384	2520		ug/ml
ortho-Terphenyl (SURR)	11.861	11.861	10645922	59.03		ug/ml
1-chlorooctadecane (SURR)	13.305	13.305	8097556	59.9		ug/ml
Aliphatic C9-C28	3.103	17.237	358523184	2490	1200	ug/ml