

Report of Analysis

Client:	PSEG	Date Collected:	04/10/25
Project:	NYE Avenue Substation	Date Received:	04/10/25
Client Sample ID:	TP-23-EPH	SDG No.:	Q1779
Lab Sample ID:	Q1779-06	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	80.6
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
04/11/25 09:40	04/11/25 16:42	PB167562

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	10.9		1	1.46	2.48	mg/kg	FE053326.D
Aliphatic C9-C28	Aliphatic C9-C28	3.33	J	1	1.13	4.96	mg/kg	FE053326.D
Total AliphaticEPH	Total AliphaticEPH	14.2			2.59	7.44	mg/kg	
Total EPH	Total EPH	14.2			2.59	7.44	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

Report of Analysis

Client:	PSEG	Date Collected:	04/10/25
Project:	NYE Avenue Substation	Date Received:	04/10/25
Client Sample ID:	TP-23-EPH	SDG No.:	Q1779
Lab Sample ID:	Q1779-06	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	80.6
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE053326.D	1	04/11/25	04/11/25	PB167562

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	3.33	J	1.13	4.96	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	10.9		1.46	2.48	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	23.6		40 - 140	47%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	21.9		40 - 140	44%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1779-06	Acq On:	11 Apr 2025 16:42
Client Sample ID:	TP-23-EPH	Operator:	YP\AJ
Data file:	FE053326.D	Misc:	
Instrument:	FID_E	ALS Vial:	15
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.137	6.780	667551	4.278	300	ug/ml
Aliphatic C12-C16	6.781	10.230	1630237	10.611	200	ug/ml
Aliphatic C16-C21	10.231	13.608	1138485	7.888	300	ug/ml
Aliphatic C21-C28	13.609	17.279	2361986	17.581	400	ug/ml
Aliphatic C28-C40	17.280	22.185	16379022	131.816	600	ug/ml
Aliphatic EPH	3.137	22.185	22177281	172.175		ug/ml
ortho-Terphenyl (SURR)	11.889	11.889	3570477	21.92		ug/ml
1-chlorooctadecane (SURR)	13.333	13.333	2831277	23.59		ug/ml
Aliphatic C9-C28	3.137	17.279	5798259	40.358	1200	ug/ml