

Report of Analysis

Client:	PSEG	Date Collected:	04/04/25
Project:	NYE Avenue Substation	Date Received:	04/04/25
Client Sample ID:	TP-20	SDG No.:	Q1740
Lab Sample ID:	Q1740-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.7
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
04/08/25 10:10	04/08/25 16:03	PB167512

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	4.51		1	1.34	2.28	mg/kg FE053241.D
Aliphatic C9-C28	Aliphatic C9-C28	4.80		1	1.03	4.56	mg/kg FE053241.D
Total AliphaticEPH	Total AliphaticEPH	9.31			2.38	6.84	mg/kg
Total EPH	Total EPH	9.31			2.38	6.84	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:	04/04/25
Project:	NYE Avenue Substation	Date Received:	04/04/25
Client Sample ID:	TP-20	SDG No.:	Q1740
Lab Sample ID:	Q1740-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.7
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE053241.D	1	04/08/25	04/08/25	PB167512

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	4.80		1.03	4.56	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	4.51		1.34	2.28	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	20.0		40 - 140	40%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	20.1		40 - 140	40%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1740-01	Acq On:	08 Apr 2025 16:03
Client Sample ID:	TP-20	Operator:	YP\AJ
Data file:	FE053241.D	Misc:	
Instrument:	FID_E	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.139	6.782	2746021	17.599	300	ug/ml
Aliphatic C12-C16	6.783	10.234	1253289	8.158	200	ug/ml
Aliphatic C16-C21	10.235	13.613	4068799	28.19	300	ug/ml
Aliphatic C21-C28	13.614	17.285	1245738	9.273	400	ug/ml
Aliphatic C28-C40	17.286	22.199	7394146	59.507	600	ug/ml
Aliphatic EPH	3.139	22.199	16707993	122.726		ug/ml
ortho-Terphenyl (SURR)	11.893	11.893	3267915	20.06		ug/ml
1-chlorooctadecane (SURR)	13.337	13.337	2405203	20.04		ug/ml
Aliphatic C9-C28	3.139	17.285	9313847	63.22	1200	ug/ml