

Report of Analysis

Client:	PSEG	Date Collected:	04/09/25
Project:	NYE Avenue Substation	Date Received:	04/09/25
Client Sample ID:	TP-17	SDG No.:	Q1760
Lab Sample ID:	Q1760-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.2
Sample Wt/Vol:	30.1	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
04/10/25 09:00	04/10/25 14:33	PB167545

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	3.90		1	1.35	2.29	mg/kg	FE053303.D
Aliphatic C9-C28	Aliphatic C9-C28	3.26	J	1	1.04	4.56	mg/kg	FE053303.D
Total AliphaticEPH	Total AliphaticEPH	7.16			2.39	6.85	mg/kg	
Total EPH	Total EPH	7.16			2.39	6.85	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
FE053303.D	1	04/10/25	04/10/25	PB167545

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	3.26	J	1.04	4.56	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	3.90		1.35	2.29	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	44.7		40 - 140	89%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	42.5		40 - 140	85%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1760-01	Acq On:	10 Apr 2025 14:33
Client Sample ID:	TP-17	Operator:	YP\AJ
Data file:	FE053303.D	Misc:	
Instrument:	FID_E	ALS Vial:	13
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.133	6.774	1299277	8.327	300	ug/ml
Aliphatic C12-C16	6.775	10.223	2041556	13.289	200	ug/ml
Aliphatic C16-C21	10.224	13.598	1550165	10.74	300	ug/ml
Aliphatic C21-C28	13.599	17.266	1401981	10.435	400	ug/ml
Aliphatic C28-C40	17.267	22.162	6366468	51.236	600	ug/ml
Aliphatic EPH	3.133	22.162	12659447	94.027		ug/ml
ortho-Terphenyl (SURR)	11.887	11.887	6914201	42.45		ug/ml
1-chlorooctadecane (SURR)	13.331	13.331	5368938	44.72		ug/ml
Aliphatic C9-C28	3.133	17.266	6292979	42.791	1200	ug/ml