

Report of Analysis

Client:	PSEG	Date Collected:	03/28/25
Project:	NYE Avenue Substation	Date Received:	03/28/25
Client Sample ID:	TP-10-EPH	SDG No.:	Q1679
Lab Sample ID:	Q1679-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.4
Sample Wt/Vol:	30.05 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
04/01/25 08:30	04/01/25 17:26	PB167403

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	2.77		1	1.35	2.28	mg/kg	FE053098.D
Aliphatic C9-C28	Aliphatic C9-C28	1.32	J	1	1.04	4.56	mg/kg	FE053098.D
Total AliphaticEPH	Total AliphaticEPH	4.09	J		2.39	6.84	mg/kg	
Total EPH	Total EPH	4.09	J		2.39	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

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File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE053098.D	1	04/01/25	04/01/25	PB167403

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	1.32	J	1.04	4.56	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	2.77		1.35	2.28	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	36.7		40 - 140	73%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	36.6		40 - 140	73%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1679-02	Acq On:	01 Apr 2025 17:26
Client Sample ID:	TP-10-EPH	Operator:	YP\AJ
Data file:	FE053098.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	3.141	6.782	1481268	9.493	300	ug/ml
Aliphatic C12-C16	6.783	10.232	621380	4.045	200	ug/ml
Aliphatic C16-C21	10.233	13.609	543442	3.765	300	ug/ml
Aliphatic C21-C28	13.610	17.278	923736	6.876	400	ug/ml
Aliphatic C28-C40	17.279	22.189	4515017	36.336	600	ug/ml
Aliphatic EPH	3.141	22.189	8084843	60.515		ug/ml
ortho-Terphenyl (SURR)	11.895	11.895	5966280	36.63		ug/ml
1-chlorooctadecane (SURR)	13.339	13.339	4401778	36.67		ug/ml
Aliphatic C9-C28	3.141	17.278	3569826	24.179	1200	ug/ml