

Report of Analysis

Client:	PSEG	Date Collected:	03/27/25
Project:	NYE Avenue Substation	Date Received:	03/27/25
Client Sample ID:	TP-8-EPH	SDG No.:	Q1672
Lab Sample ID:	Q1672-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	95.2
Sample Wt/Vol:	30.08	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
03/31/25 08:56	03/31/25 16:23	PB167381

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	2.18		1	1.24	2.10	mg/kg FC068449.D
Aliphatic C9-C28	Aliphatic C9-C28	4.41		1	0.95	4.20	mg/kg FC068449.D
Total AliphaticEPH	Total AliphaticEPH	6.59			2.19	6.30	mg/kg
Total EPH	Total EPH	6.59			2.19	6.30	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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Sample Wt/Vol:	30.08 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
FC068449.D	1	03/31/25	03/31/25	PB167381

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	4.41		0.95	4.20	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	2.18		1.24	2.10	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	42.5		40 - 140	85%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	42.8		40 - 140	86%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1672-02	Acq On:	31 Mar 2025 16:23
Client Sample ID:	TP-8-EPH	Operator:	YP/AJ
Data file:	FC068449.D	Misc:	
Instrument:	FID_C	ALS Vial:	15
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.098	6.359	4702144	28.969	300	ug/ml
Aliphatic C12-C16	6.360	9.743	1728202	10.275	200	ug/ml
Aliphatic C16-C21	9.744	13.097	1499808	8.745	300	ug/ml
Aliphatic C21-C28	13.098	16.748	2554250	15.126	400	ug/ml
Aliphatic C28-C40	16.749	21.546	4246126	31.182	600	ug/ml
Aliphatic EPH	3.098	21.546	14730530	94.296		ug/ml
ortho-Terphenyl (SURR)	11.389	11.389	8494045	42.76		ug/ml
1-chlorooctadecane (SURR)	12.830	12.830	6327490	42.45		ug/ml
Aliphatic C9-C28	3.098	16.748	10484404	63.115	1200	ug/ml