

Report of Analysis

Client:	PSEG	Date Collected:	08/28/25
Project:	Mountain Ave Substation	Date Received:	08/28/25
Client Sample ID:	NORTH-TP-3	SDG No.:	Q2986
Lab Sample ID:	Q2986-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.7
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
08/29/25 09:45	08/29/25 22:40	PB169462

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	13.0		1	1.29	2.18	mg/kg	FE055612.D
Aliphatic C9-C28	Aliphatic C9-C28	3.32	J	1	0.99	4.36	mg/kg	FE055612.D
Total AliphaticEPH	Total AliphaticEPH	16.3			2.28	6.54	mg/kg	
Total EPH	Total EPH	16.3			2.28	6.54	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
FE055612.D	1	08/29/25	08/29/25	PB169462

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	3.32	J	0.99	4.36	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	13.0		1.29	2.18	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	53.5		40 - 140	107%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	49.6		40 - 140	99%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2986-05	Acq On:	29 Aug 2025 22:40
Client Sample ID:	NORTH-TP-3	Operator:	YP\AJ
Data file:	FE055612.D	Misc:	
Instrument:	FID_E	ALS Vial:	26
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.313	6.947	767880	5.98	300	ug/ml
Aliphatic C12-C16	6.948	10.399	1906401	14.112	200	ug/ml
Aliphatic C16-C21	10.400	13.777	1327265	9.203	300	ug/ml
Aliphatic C21-C28	13.778	17.448	2343457	16.361	400	ug/ml
Aliphatic C28-C40	17.449	22.462	24647797	178.971	600	ug/ml
Aliphatic EPH	3.313	22.462	30992800	224.627		ug/ml
ortho-Terphenyl (SURR)	12.079	12.079	8151959	49.62		ug/ml
1-chlorooctadecane (SURR)	13.516	13.516	6683478	53.45		ug/ml
Aliphatic C9-C28	3.313	17.448	6345003	45.656	1200	ug/ml