

Report of Analysis

Client:	PSEG	Date Collected:	08/28/25
Project:	Mountain Ave Substation	Date Received:	08/28/25
Client Sample ID:	NORTH-TP-2-E2	SDG No.:	Q2986
Lab Sample ID:	Q2986-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.5
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
08/29/25 09:45	08/29/25 22:09	PB169462

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	7.83		1	1.26	2.14	mg/kg	FE055611.D
Aliphatic C9-C28	Aliphatic C9-C28	2.14	J	1	0.97	4.27	mg/kg	FE055611.D
Total AliphaticEPH	Total AliphaticEPH	9.97			2.23	6.41	mg/kg	
Total EPH	Total EPH	9.97			2.23	6.41	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:	08/28/25
Project:	Mountain Ave Substation	Date Received:	08/28/25
Client Sample ID:	NORTH-TP-2-E2	SDG No.:	Q2986
Lab Sample ID:	Q2986-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.5
Sample Wt/Vol:	30.05 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
FE055611.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	2.14	J	0.97	4.27	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	7.83		1.26	2.14	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	38.8		40 - 140	78%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	36.7		40 - 140	73%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2986-04	Acq On:	29 Aug 2025 22:09
Client Sample ID:	NORTH-TP-2-E2	Operator:	YP\AJ
Data file:	FE055611.D	Misc:	
Instrument:	FID_E	ALS Vial:	25
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.313	6.947	844722	6.579	300	ug/ml
Aliphatic C12-C16	6.948	10.399	1011179	7.485	200	ug/ml
Aliphatic C16-C21	10.400	13.777	926086	6.421	300	ug/ml
Aliphatic C21-C28	13.778	17.448	1370935	9.571	400	ug/ml
Aliphatic C28-C40	17.449	22.462	15147446	109.988	600	ug/ml
Aliphatic EPH	3.313	22.462	19300368	140.044		ug/ml
ortho-Terphenyl (SURR)	12.077	12.077	6027837	36.69		ug/ml
1-chlorooctadecane (SURR)	13.514	13.514	4852467	38.81		ug/ml
Aliphatic C9-C28	3.313	17.448	4152922	30.056	1200	ug/ml