

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-E2	SDG No.:	Q2986
Lab Sample ID:	Q2986-06	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	94.2
Sample Wt/Vol:	30.08 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 20:07	PB169462

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	11.2		1	1.25	2.12	mg/kg FE055607.D
Aliphatic C9-C28	Aliphatic C9-C28	9.21		1	0.96	4.24	mg/kg FE055607.D
Total AliphaticEPH	Total AliphaticEPH	20.4			2.21	6.36	mg/kg
Total EPH	Total EPH	20.4			2.21	6.36	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 :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE055607.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	9.21		0.96	4.24	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	11.2		1.25	2.12	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	46.4		40 - 140	93%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	43.5		40 - 140	87%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2986-06	Acq On:	29 Aug 2025 20:07
Client Sample ID:	NORTH-TP-3-E2	Operator:	YP\AJ
Data file:	FE055607.D	Misc:	
Instrument:	FID_E	ALS Vial:	21
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.313	6.947	613608	4.779	300	ug/ml
Aliphatic C12-C16	6.948	10.399	1867920	13.827	200	ug/ml
Aliphatic C16-C21	10.400	13.777	14443235	100.149	300	ug/ml
Aliphatic C21-C28	13.778	17.448	1686855	11.777	400	ug/ml
Aliphatic C28-C40	17.449	22.462	21784933	158.183	600	ug/ml
Aliphatic EPH	3.313	22.462	40396551	288.715		ug/ml
ortho-Terphenyl (SURR)	12.079	12.079	7150050	43.52		ug/ml
1-chlorooctadecane (SURR)	13.516	13.516	5795468	46.35		ug/ml
Aliphatic C9-C28	3.313	17.448	18611618	130.532	1200	ug/ml