284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	PSEG	Date Collected:	08/27/25
Project:	Locust Street 69kV Breaker	Date Received:	08/27/25
Client Sample ID:	TP4-D	SDG No.:	Q2971
Lab Sample ID:	Q2971-35	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	65.9
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 15:32	PB169462

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	18.9		1	1.79	3.03	mg/kg	FE055598.D
Aliphatic C9-C28	Aliphatic C9-C28	9.30		1	1.38	6.05	mg/kg	FE055598.D
Total AliphaticEPH	Total AliphaticEPH	28.2			3.17	9.08	mg/kg	
Total EPH	Total EPH	28.2			3.17	9.08	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

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	PSEG	Date Collected:	08/27/25
Project:	Locust Street 69kV Breaker	Date Received:	08/27/25
Client Sample ID:	TP4-D	SDG No.:	Q2971
Lab Sample ID:	Q2971-35	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	65.9
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
FE055598.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	9.30		1.38	6.05	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	18.9		1.79	3.03	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	25.4		40 - 140	51%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	25.5		40 - 140	51%	SPK: 50

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2971-35	Acq On:	29 Aug 2025 15:32
Client Sample ID:	TP4-D	Operator:	YP\AJ
Data file:	FE055598.D	Misc:	
Instrument:	FID_E	ALS Vial:	12
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.313	6.947	708273	5.516	300	ug/ml
Aliphatic C12-C16	6.948	10.399	2450214	18.137	200	ug/ml
Aliphatic C16-C21	10.400	13.777	2149627	14.905	300	ug/ml
Aliphatic C21-C28	13.778	17.448	7675171	53.584	400	ug/ml
Aliphatic C28-C40	17.449	22.462	25822541	187.501	600	ug/ml
Aliphatic EPH	3.313	22.462	38805826	279.643		ug/ml
ortho-Terphenyl (SURR)	12.076	12.076	4187998	25.49		ug/ml
1-chlorooctadecane (SURR)	13.512	13.512	3182240	25.45		ug/ml
Aliphatic C9-C28	3.313	17.448	12983285	92.142	1200	ug/ml