

Report of Analysis

Client:	PSEG	Date Collected:	
Project:	Locust Street 69kV Breaker	Date Received:	
Client Sample ID:	TP4-BMSD	SDG No.:	Q2971
Lab Sample ID:	Q2971-33MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	92.5
Sample Wt/Vol:	30.07	Units:	g
Soil Aliquot Vol:			uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
08/29/25 09:45	08/29/25 22:55	PB169462

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Total AliphaticEPH	Total AliphaticEPH	165			2.25	6.48	mg/kg
Total EPH	Total EPH	165			2.25	6.48	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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Project:	Locust Street 69kV Breaker	Date Received:	
Client Sample ID:	TP4-BMSD	SDG No.:	Q2971
Lab Sample ID:	Q2971-33MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	92.5
Sample Wt/Vol:	30.07 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
FC069807.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	113	E	0.98	4.32	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	52.4	E	1.27	2.16	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	40.4		40 - 140	81%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	36.7		40 - 140	73%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2971-33MSD	Acq On:	29 Aug 2025 22:55
Client Sample ID:	Q2971-33MSD	Operator:	YP/AJ
Data file:	FC069807.D	Misc:	
Instrument:	FID_C	ALS Vial:	25
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.297	6.594	28953264	228.025	300	ug/ml
Aliphatic C12-C16	6.595	9.997	49187906	383.263	200	ug/ml
Aliphatic C16-C21	9.998	13.367	47326928	401.899	300	ug/ml
Aliphatic C21-C28	13.368	17.033	56578973	551.312	400	ug/ml
Aliphatic C28-C40	17.034	22.011	59365484	728.914	600	ug/ml
Aliphatic EPH	3.297	22.011	241412555	2290		ug/ml
ortho-Terphenyl (SURR)	11.666	11.666	4752404	36.7		ug/ml
1-chlorooctadecane (SURR)	13.101	13.101	3861176	40.35		ug/ml
Aliphatic C9-C28	3.297	17.033	182047071	1560	1200	ug/ml