

Report of Analysis

Client:	PSEG	Date Collected:	
Project:	Locust Street 69kV Breaker	Date Received:	
Client Sample ID:	TP4-BMS	SDG No.:	Q2971
Lab Sample ID:	Q2971-33MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	92.5
Sample Wt/Vol:	30.02	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 22:07	PB169462

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Total AliphaticEPH	Total AliphaticEPH	169			2.25	6.48	mg/kg
Total EPH	Total EPH	169			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-BMS	SDG No.:	Q2971
Lab Sample ID:	Q2971-33MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	92.5
Sample Wt/Vol:	30.02 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
FC069806.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	115	E	0.98	4.32	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	53.7	E	1.27	2.16	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	41.4		40 - 140	83%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	37.7		40 - 140	75%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2971-33MS	Acq On:	29 Aug 2025 22:07
Client Sample ID:	Q2971-33MS	Operator:	YP/AJ
Data file:	FC069806.D	Misc:	
Instrument:	FID_C	ALS Vial:	24
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.297	6.594	29564520	232.839	300	ug/ml
Aliphatic C12-C16	6.595	9.997	50222004	391.32	200	ug/ml
Aliphatic C16-C21	9.998	13.367	48634610	413.003	300	ug/ml
Aliphatic C21-C28	13.368	17.033	57888434	564.072	400	ug/ml
Aliphatic C28-C40	17.034	22.011	60674812	744.99	600	ug/ml
Aliphatic EPH	3.297	22.011	246984380	2350		ug/ml
ortho-Terphenyl (SURR)	11.665	11.665	4876953	37.66		ug/ml
1-chlorooctadecane (SURR)	13.100	13.100	3962775	41.41		ug/ml
Aliphatic C9-C28	3.297	17.033	186309568	1600	1200	ug/ml