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-A	SDG No.:	Q2971
Lab Sample ID:	Q2971-32	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	94
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 19:51	PB169462

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	6.89		1	1.25	2.12	mg/kg	FC069803.D
Aliphatic C9-C28	Aliphatic C9-C28	9.10		1	0.97	4.25	mg/kg	FC069803.D
Total AliphaticEPH	Total AliphaticEPH	16.0			2.22	6.37	mg/kg	
Total EPH	Total EPH	16.0			2.22	6.37	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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Report of Analysis

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Client Sample ID:	TP4-A	SDG No.:	Q2971
Lab Sample ID:	Q2971-32	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	94
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
FC069803.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	9.10		0.97	4.25	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	6.89		1.25	2.12	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	51.5		40 - 140	103%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	48.2		40 - 140	96%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2971-32	Acq On:	29 Aug 2025 19:51
Client Sample ID:	TP4-A	Operator:	YP/AJ
Data file:	FC069803.D	Misc:	
Instrument:	FID_C	ALS Vial:	21
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.297	6.594	425073	3.348	300	ug/ml
Aliphatic C12-C16	6.595	9.997	8181824	63.751	200	ug/ml
Aliphatic C16-C21	9.998	13.367	5977936	50.764	300	ug/ml
Aliphatic C21-C28	13.368	17.033	1100521	10.724	400	ug/ml
Aliphatic C28-C40	17.034	22.011	7921918	97.269	600	ug/ml
Aliphatic EPH	3.297	22.011	23607272	225.856		ug/ml
ortho-Terphenyl (SURR)	11.666	11.666	6242051	48.2		ug/ml
1-chlorooctadecane (SURR)	13.102	13.102	4926415	51.49		ug/ml
Aliphatic C9-C28	3.297	17.033	15685354	128.587	1200	ug/ml