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:	TP2-C			SDG No.:	Q2971
Lab Sample ID:	Q2971-04			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	92.6
Sample Wt/Vol:	30.03	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 08:12	08/29/25 15:42	PB169458

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	2.97		1	1.27	2.16	mg/kg	FF016286.D
Aliphatic C9-C28	Aliphatic C9-C28	2.11	J	1	0.98	4.32	mg/kg	FF016286.D
Total AliphaticEPH	Total AliphaticEPH	5.08	J		2.25	6.48	mg/kg	
Total EPH	Total EPH	5.08	J		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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Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FF016286.D	1	08/29/25	08/29/25	PB169458

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	2.11	J	0.98	4.32	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	2.97		1.27	2.16	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	49.5		40 - 140	99%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	46.6		40 - 140	93%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2971-04	Acq On:	29 Aug 2025 15:42
Client Sample ID:	TP2-C	Operator:	YP\AJ
Data file:	FF016286.D	Misc:	
Instrument:	FID_F	ALS Vial:	70
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.232	6.870	504177	4.256	300	ug/ml
Aliphatic C12-C16	6.871	10.313	827957	6.748	200	ug/ml
Aliphatic C16-C21	10.314	13.684	1112917	8.686	300	ug/ml
Aliphatic C21-C28	13.685	17.353	1218000	9.697	400	ug/ml
Aliphatic C28-C40	17.354	22.318	4205708	41.364	600	ug/ml
Aliphatic EPH	3.232	22.318	7868759	70.751		ug/ml
ortho-Terphenyl (SURR)	11.980	11.980	6733786	46.56		ug/ml
1-chlorooctadecane (SURR)	13.420	13.420	5516273	49.45		ug/ml
Aliphatic C9-C28	3.232	17.353	3663051	29.387	1200	ug/ml