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

Report of Analysis

Client:	PSEG	Date Collected:	08/01/25
Project:	Port Street Substation 69kV	Date Received:	08/01/25
Client Sample ID:	289	SDG No.:	Q2753
Lab Sample ID:	Q2753-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	92.5
Sample Wt/Vol:	30.09 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
08/05/25 09:20	08/05/25 15:24	PB169120

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	7.62		1	1.27	2.16	mg/kg	FE055131.D
Aliphatic C9-C28	Aliphatic C9-C28	2.49	J	1	0.98	4.32	mg/kg	FE055131.D
Total AliphaticEPH	Total AliphaticEPH	10.1			2.25	6.48	mg/kg	
Total EPH	Total EPH	10.1			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
FE055131.D	1	08/05/25	08/05/25	PB169120

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		2.49	J	0.98	4.32	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		7.62		1.27	2.16	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		39.7		40 - 140	79%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		39.6		40 - 140	79%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2753-01	Acq On:	05 Aug 2025 15:24
Client Sample ID:	289	Operator:	YP\AJ
Data file:	FE055131.D	Misc:	
Instrument:	FID_E	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.325	6.958	466838	3.997	300	ug/ml
Aliphatic C12-C16	6.959	10.410	813663	6.498	200	ug/ml
Aliphatic C16-C21	10.411	13.789	1029469	8.144	300	ug/ml
Aliphatic C21-C28	13.790	17.459	1935629	16.063	400	ug/ml
Aliphatic C28-C40	17.460	22.481	12088449	106.051	600	ug/ml
Aliphatic EPH	3.325	22.481	16334048	140.753		ug/ml
ortho-Terphenyl (SURR)	12.087	12.087	5658016	39.62		ug/ml
1-chlorooctadecane (SURR)	13.523	13.523	4271428	39.73		ug/ml
Aliphatic C9-C28	3.325	17.459	4245599	34.702	1200	ug/ml