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

Report of Analysis

Client:	PSEG	Date Collected:	03/26/25
Project:	NYE Avenue Substation	Date Received:	03/26/25
Client Sample ID:	TP-6-EPH	SDG No.:	Q1662
Lab Sample ID:	Q1662-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.5
Sample Wt/Vol:	30.07 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
03/27/25 09:55	03/27/25 20:23	PB167350

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	4.31		1	1.32	2.23	mg/kg	FE053028.D
Aliphatic C9-C28	Aliphatic C9-C28	2.01	J	1	1.01	4.45	mg/kg	FE053028.D
Total AliphaticEPH	Total AliphaticEPH	6.32	J		2.34	6.68	mg/kg	
Total EPH	Total EPH	6.32	J		2.34	6.68	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
FE053028.D	1	03/27/25	03/27/25	PB167350

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		2.01	J	1.01	4.45	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		4.31		1.32	2.23	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		36.5		40 - 140	73%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		34.0		40 - 140	68%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1662-02	Acq On:	27 Mar 2025 20:23
Client Sample ID:	TP-6-EPH	Operator:	YP\AJ
Data file:	FE053028.D	Misc:	
Instrument:	FID_E	ALS Vial:	24
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.143	6.785	1173638	7.526	300	ug/ml
Aliphatic C12-C16	6.786	10.236	917764	6.034	200	ug/ml
Aliphatic C16-C21	10.237	13.612	541238	3.693	300	ug/ml
Aliphatic C21-C28	13.613	17.282	1397835	9.813	400	ug/ml
Aliphatic C28-C40	17.283	22.191	7396879	57.974	600	ug/ml
Aliphatic EPH	3.143	22.191	11427354	85.04		ug/ml
ortho-Terphenyl (SURR)	11.898	11.898	5733953	34.01		ug/ml
1-chlorooctadecane (SURR)	13.343	13.343	4426062	36.45		ug/ml
Aliphatic C9-C28	3.143	17.282	4030475	27.066	1200	ug/ml