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-7	SDG No.:	Q1662
Lab Sample ID:	Q1662-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.8
Sample Wt/Vol:	30.06 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 20:53	PB167350

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	4.74		1	1.30	2.20	mg/kg	FE053029.D
Aliphatic C9-C28	Aliphatic C9-C28	3.96	J	1	1.00	4.40	mg/kg	FE053029.D
Total AliphaticEPH	Total AliphaticEPH	8.70			2.30	6.60	mg/kg	
Total EPH	Total EPH	8.70			2.30	6.60	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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Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE053029.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		3.96	J	1.00	4.40	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		4.74		1.30	2.20	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		44.5		40 - 140	89%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		41.9		40 - 140	84%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1662-05	Acq On:	27 Mar 2025 20:53
Client Sample ID:	TP-7	Operator:	YP\AJ
Data file:	FE053029.D	Misc:	
Instrument:	FID_E	ALS Vial:	25
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.143	6.785	1075358	6.896	300	ug/ml
Aliphatic C12-C16	6.786	10.236	1118022	7.351	200	ug/ml
Aliphatic C16-C21	10.237	13.612	2068673	14.116	300	ug/ml
Aliphatic C21-C28	13.613	17.282	3671865	25.776	400	ug/ml
Aliphatic C28-C40	17.283	22.191	8253548	64.688	600	ug/ml
Aliphatic EPH	3.143	22.191	16187466	118.827		ug/ml
ortho-Terphenyl (SURR)	11.899	11.899	7061794	41.89		ug/ml
1-chlorooctadecane (SURR)	13.343	13.343	5401610	44.48		ug/ml
Aliphatic C9-C28	3.143	17.282	7933918	54.139	1200	ug/ml