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

Report of Analysis

Client:	PSEG	Date Collected:	03/24/25
Project:	NYE Avenue Substation	Date Received:	03/24/25
Client Sample ID:	TP-2-EPH	SDG No.:	Q1635
Lab Sample ID:	Q1635-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.1
Sample Wt/Vol:	30.04 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
03/25/25 09:30	03/25/25 19:56	PB167292

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	30.2		1	1.32	2.24	mg/kg	FE052966.D
Aliphatic C9-C28	Aliphatic C9-C28	1.95	J	1	1.02	4.48	mg/kg	FE052966.D
Total AliphaticEPH	Total AliphaticEPH	32.2			2.34	6.72	mg/kg	
Total EPH	Total EPH	32.2			2.34	6.72	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
FE052966.D	1	03/25/25	03/25/25	PB167292

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		1.95	J	1.02	4.48	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		30.2		1.32	2.24	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		27.9		40 - 140	56%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		26.7		40 - 140	53%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1635-02	Acq On:	25 Mar 2025 19:56
Client Sample ID:	TP-2-EPH	Operator:	YP\AJ
Data file:	FE052966.D	Misc:	
Instrument:	FID_E	ALS Vial:	23
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.147	6.791	1216751	7.802	300	ug/ml
Aliphatic C12-C16	6.792	10.245	763972	5.023	200	ug/ml
Aliphatic C16-C21	10.246	13.624	653113	4.457	300	ug/ml
Aliphatic C21-C28	13.625	17.298	1258584	8.835	400	ug/ml
Aliphatic C28-C40	17.299	22.217	51533921	403.905	600	ug/ml
Aliphatic EPH	3.147	22.217	55426341	430.022		ug/ml
ortho-Terphenyl (SURR)	11.907	11.907	4500018	26.69		ug/ml
1-chlorooctadecane (SURR)	13.352	13.352	3390269	27.92		ug/ml
Aliphatic C9-C28	3.147	17.298	3892420	26.117	1200	ug/ml