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			SDG No.:	Q1635
Lab Sample ID:	Q1635-01			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	89.4
Sample Wt/Vol:	30.01	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 19:26	PB167292

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	35.3		1	1.32	2.24	mg/kg	FE052965.D
Aliphatic C9-C28	Aliphatic C9-C28	2.04	J	1	1.02	4.47	mg/kg	FE052965.D
Total AliphaticEPH	Total AliphaticEPH	37.3			2.34	6.71	mg/kg	
Total EPH	Total EPH	37.3			2.34	6.71	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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Analytical Method:	NJEPH	% Solid:	89.4
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE052965.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		2.04	J	1.02	4.47	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		35.3		1.32	2.24	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		29.4		40 - 140	59%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		28.2		40 - 140	56%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1635-01	Acq On:	25 Mar 2025 19:26
Client Sample ID:	TP-2	Operator:	YP\AJ
Data file:	FE052965.D	Misc:	
Instrument:	FID_E	ALS Vial:	22
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.147	6.791	1337223	8.575	300	ug/ml
Aliphatic C12-C16	6.792	10.245	754752	4.962	200	ug/ml
Aliphatic C16-C21	10.246	13.624	666513	4.548	300	ug/ml
Aliphatic C21-C28	13.625	17.298	1316398	9.241	400	ug/ml
Aliphatic C28-C40	17.299	22.217	60349139	472.996	600	ug/ml
Aliphatic EPH	3.147	22.217	64424025	500.322		ug/ml
ortho-Terphenyl (SURR)	11.909	11.909	4751652	28.19		ug/ml
1-chlorooctadecane (SURR)	13.353	13.353	3574204	29.44		ug/ml
Aliphatic C9-C28	3.147	17.298	4074886	27.326	1200	ug/ml