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

Report of Analysis

Client:	PSEG			Date Collected:	03/25/25
Project:	NYE Avenue Substation			Date Received:	03/25/25
Client Sample ID:	TP-4			SDG No.:	Q1645
Lab Sample ID:	Q1645-01			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	91.2
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
03/26/25 09:45	03/27/25 0:04	PB167323

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	1.91	J	1	1.29	2.19	mg/kg	FE052996.D
Aliphatic C9-C28	Aliphatic C9-C28	1.33	J	1	1.00	4.39	mg/kg	FE052996.D
Total AliphaticEPH	Total AliphaticEPH	3.24	J		2.29	6.58	mg/kg	
Total EPH	Total EPH	3.24	J		2.29	6.58	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
FE052996.D	1	03/26/25	03/27/25	PB167323

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	1.33	J	1.00	4.39	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	1.91	J	1.29	2.19	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	25.2		40 - 140	50%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	23.4		40 - 140	47%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1645-01	Acq On:	27 Mar 2025 00:04
Client Sample ID:	TP-4	Operator:	YP\AJ
Data file:	FE052996.D	Misc:	
Instrument:	FID_E	ALS Vial:	27
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.147	6.791	1613525	10.347	300	ug/ml
Aliphatic C12-C16	6.792	10.245	756802	4.976	200	ug/ml
Aliphatic C16-C21	10.246	13.624	426283	2.909	300	ug/ml
Aliphatic C21-C28	13.625	17.297	1056698	7.418	400	ug/ml
Aliphatic C28-C40	17.298	22.217	3340300	26.18	600	ug/ml
Aliphatic EPH	3.147	22.217	7193608	51.829		ug/ml
ortho-Terphenyl (SURR)	11.900	11.900	3951942	23.44		ug/ml
1-chlorooctadecane (SURR)	13.345	13.345	3064019	25.23		ug/ml
Aliphatic C9-C28	3.147	17.297	3853308	25.65	1200	ug/ml