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-EPH	SDG No.:	Q1645
Lab Sample ID:	Q1645-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.1
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
03/26/25 09:45	03/27/25 0:34	PB167323

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	1.97	J	1	1.31	2.22	mg/kg	FE052997.D
Aliphatic C9-C28	Aliphatic C9-C28	2.15	J	1	1.01	4.44	mg/kg	FE052997.D
Total AliphaticEPH	Total AliphaticEPH	4.12	J		2.32	6.66	mg/kg	
Total EPH	Total EPH	4.12	J		2.32	6.66	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
FE052997.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	2.15	J	1.01	4.44	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	1.97	J	1.31	2.22	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	43.4		40 - 140	87%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	41.3		40 - 140	83%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1645-02	Acq On:	27 Mar 2025 00:34
Client Sample ID:	TP-4-EPH	Operator:	YP\AJ
Data file:	FE052997.D	Misc:	
Instrument:	FID_E	ALS Vial:	28
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.147	6.791	1657155	10.626	300	ug/ml
Aliphatic C12-C16	6.792	10.245	835119	5.491	200	ug/ml
Aliphatic C16-C21	10.246	13.624	514623	3.512	300	ug/ml
Aliphatic C21-C28	13.625	17.297	1342686	9.426	400	ug/ml
Aliphatic C28-C40	17.298	22.217	3404831	26.686	600	ug/ml
Aliphatic EPH	3.147	22.217	7754414	55.74		ug/ml
ortho-Terphenyl (SURR)	11.900	11.900	6960508	41.29		ug/ml
1-chlorooctadecane (SURR)	13.344	13.344	5269712	43.4		ug/ml
Aliphatic C9-C28	3.147	17.297	4349583	29.055	1200	ug/ml