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

Report of Analysis

Client:	PSEG	Date Collected:	03/31/25
Project:	NYE Avenue Substation	Date Received:	03/31/25
Client Sample ID:	TP-12-EPH	SDG No.:	Q1681
Lab Sample ID:	Q1681-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	86.4
Sample Wt/Vol:	30.07 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
04/01/25 08:30	04/01/25 21:58	PB167403

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	12.0		1	1.36	2.31	mg/kg	FE053107.D
Aliphatic C9-C28	Aliphatic C9-C28	2.72	J	1	1.05	4.61	mg/kg	FE053107.D
Total AliphaticEPH	Total AliphaticEPH	14.7			2.41	6.92	mg/kg	
Total EPH	Total EPH	14.7			2.41	6.92	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
FE053107.D	1	04/01/25	04/01/25	PB167403

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		2.72	J	1.05	4.61	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		12.0		1.36	2.31	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		45.6		40 - 140	91%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		44.9		40 - 140	90%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1681-02	Acq On:	01 Apr 2025 21:58
Client Sample ID:	TP-12-EPH	Operator:	YP\AJ
Data file:	FE053107.D	Misc:	
Instrument:	FID_E	ALS Vial:	24
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.141	6.782	1573944	10.087	300	ug/ml
Aliphatic C12-C16	6.783	10.232	738082	4.804	200	ug/ml
Aliphatic C16-C21	10.233	13.609	731322	5.067	300	ug/ml
Aliphatic C21-C28	13.610	17.278	2058719	15.324	400	ug/ml
Aliphatic C28-C40	17.279	22.189	19318045	155.469	600	ug/ml
Aliphatic EPH	3.141	22.189	24420112	190.751		ug/ml
ortho-Terphenyl (SURR)	11.894	11.894	7316014	44.92		ug/ml
1-chlorooctadecane (SURR)	13.338	13.338	5471185	45.58		ug/ml
Aliphatic C9-C28	3.141	17.278	5102067	35.282	1200	ug/ml