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

Report of Analysis

Client:	PSEG	Date Collected:	04/09/25
Project:	NYE Avenue Substation	Date Received:	04/09/25
Client Sample ID:	TP-17-EPH	SDG No.:	Q1760
Lab Sample ID:	Q1760-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.8
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
04/10/25 09:00	04/10/25 15:03	PB167545

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	3.64		1	1.34	2.27	mg/kg	FE053304.D
Aliphatic C9-C28	Aliphatic C9-C28	3.08	J	1	1.03	4.56	mg/kg	FE053304.D
Total AliphaticEPH	Total AliphaticEPH	6.72	J		2.38	6.83	mg/kg	
Total EPH	Total EPH	6.72	J		2.38	6.83	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
FE053304.D	1	04/10/25	04/10/25	PB167545

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		3.08	J	1.03	4.56	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		3.64		1.34	2.27	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		35.0		40 - 140	70%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		33.5		40 - 140	67%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1760-02	Acq On:	10 Apr 2025 15:03
Client Sample ID:	TP-17-EPH	Operator:	YP\AJ
Data file:	FE053304.D	Misc:	
Instrument:	FID_E	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.133	6.774	1301694	8.342	300	ug/ml
Aliphatic C12-C16	6.775	10.223	1859479	12.104	200	ug/ml
Aliphatic C16-C21	10.224	13.598	1417319	9.819	300	ug/ml
Aliphatic C21-C28	13.599	17.266	1395813	10.39	400	ug/ml
Aliphatic C28-C40	17.267	22.162	5961422	47.977	600	ug/ml
Aliphatic EPH	3.133	22.162	11935727	88.632		ug/ml
ortho-Terphenyl (SURR)	11.887	11.887	5456879	33.5		ug/ml
1-chlorooctadecane (SURR)	13.330	13.330	4205257	35.03		ug/ml
Aliphatic C9-C28	3.133	17.266	5974305	40.655	1200	ug/ml