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-15	SDG No.:	Q1760
Lab Sample ID:	Q1760-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.9
Sample Wt/Vol:	30.02 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 15:25	PB167545

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	7.46		1	1.33	2.25	mg/kg	FC068553.D
Aliphatic C9-C28	Aliphatic C9-C28	139		5	5.12	22.5	mg/kg	FC068575.D
Total AliphaticEPH	Total AliphaticEPH	147			6.45	24.7	mg/kg	
Total EPH	Total EPH	147			6.45	24.7	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
FC068553.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	142	E	1.02	4.49	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	7.46		1.33	2.25	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	33.0		40 - 140	66%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	32.2		40 - 140	64%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1760-05	Acq On:	10 Apr 2025 15:25
Client Sample ID:	TP-15	Operator:	YP/AJ
Data file:	FC068553.D	Misc:	
Instrument:	FID_C	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.345	6.644	155591527	1480	300	ug/ml
Aliphatic C12-C16	6.645	10.043	29498157	288.286	200	ug/ml
Aliphatic C16-C21	10.044	13.409	3439647	34.808	300	ug/ml
Aliphatic C21-C28	13.410	17.073	9918503	105.308	400	ug/ml
Aliphatic C28-C40	17.074	22.075	8944562	99.514	600	ug/ml
Aliphatic EPH	3.345	22.075	207392396	2010		ug/ml
ortho-Terphenyl (SURR)	11.712	11.712	4096520	32.17		ug/ml
1-chlorooctadecane (SURR)	13.144	13.144	3065458	33		ug/ml
Aliphatic C9-C28	3.345	17.073	198447834	1910	1200	ug/ml