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-EPH	SDG No.:	Q1760
Lab Sample ID:	Q1760-06	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.5
Sample Wt/Vol:	30.03 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 17:53	PB167545

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	11.2		1	1.33	2.26	mg/kg	FC068557.D
Aliphatic C9-C28	Aliphatic C9-C28	89.8		1	1.03	4.52	mg/kg	FC068557.D
Total AliphaticEPH	Total AliphaticEPH	101			2.36	6.78	mg/kg	
Total EPH	Total EPH	101			2.36	6.78	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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Analytical Method:	NJEPH	% Solid:	88.5
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068557.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	89.8		1.03	4.52	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	11.2		1.33	2.26	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	30.7		40 - 140	61%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	29.3		40 - 140	59%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1760-06	Acq On:	10 Apr 2025 17:53
Client Sample ID:	TP-15-EPH	Operator:	YP/AJ
Data file:	FC068557.D	Misc:	
Instrument:	FID_C	ALS Vial:	18
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.345	6.644	85580484	812.869	300	ug/ml
Aliphatic C12-C16	6.645	10.043	18123989	177.126	200	ug/ml
Aliphatic C16-C21	10.044	13.409	4185830	42.36	300	ug/ml
Aliphatic C21-C28	13.410	17.073	15102865	160.353	400	ug/ml
Aliphatic C28-C40	17.074	22.075	13432167	149.441	600	ug/ml
Aliphatic EPH	3.345	22.075	136425335	1340		ug/ml
ortho-Terphenyl (SURR)	11.712	11.712	3728494	29.28		ug/ml
1-chlorooctadecane (SURR)	13.145	13.145	2849426	30.67		ug/ml
Aliphatic C9-C28	3.345	17.073	122993168	1190	1200	ug/ml