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

Report of Analysis

Client:	PSEG	Date Collected:	03/27/25
Project:	NYE Avenue Substation	Date Received:	03/27/25
Client Sample ID:	TP-8	SDG No.:	Q1672
Lab Sample ID:	Q1672-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	92.6
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
03/31/25 08:56	03/31/25 15:46	PB167381

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	2.93		1	1.27	2.16	mg/kg	FC068448.D
Aliphatic C9-C28	Aliphatic C9-C28	4.68		1	0.98	4.32	mg/kg	FC068448.D
Total AliphaticEPH	Total AliphaticEPH	7.61			2.25	6.48	mg/kg	
Total EPH	Total EPH	7.61			2.25	6.48	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:	92.6
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Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068448.D	1	03/31/25	03/31/25	PB167381

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	4.68		0.98	4.32	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	2.93		1.27	2.16	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	43.5		40 - 140	87%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	43.4		40 - 140	87%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1672-01	Acq On:	31 Mar 2025 15:46
Client Sample ID:	TP-8	Operator:	YP/AJ
Data file:	FC068448.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	3.098	6.359	4741971	29.214	300	ug/ml
Aliphatic C12-C16	6.360	9.743	1674220	9.954	200	ug/ml
Aliphatic C16-C21	9.744	13.097	1621147	9.452	300	ug/ml
Aliphatic C21-C28	13.098	16.748	2795361	16.553	400	ug/ml
Aliphatic C28-C40	16.749	21.546	5543591	40.71	600	ug/ml
Aliphatic EPH	3.098	21.546	16376290	105.884		ug/ml
ortho-Terphenyl (SURR)	11.388	11.388	8627979	43.44		ug/ml
1-chlorooctadecane (SURR)	12.830	12.830	6487281	43.52		ug/ml
Aliphatic C9-C28	3.098	16.748	10832699	65.173	1200	ug/ml