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

Report of Analysis

Client:	PSEG	Date Collected:	04/01/25
Project:	NYE Avenue Substation	Date Received:	04/02/25
Client Sample ID:	TP-18-EPH	SDG No.:	Q1694
Lab Sample ID:	Q1694-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	78.7
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
04/03/25 10:09	04/03/25 18:25	PB167440

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	3.55		1	1.50	2.54	mg/kg	FE053168.D
Aliphatic C9-C28	Aliphatic C9-C28	2.94	J	1	1.16	5.08	mg/kg	FE053168.D
Total AliphaticEPH	Total AliphaticEPH	6.49	J		2.66	7.62	mg/kg	
Total EPH	Total EPH	6.49	J		2.66	7.62	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

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

Report of Analysis

Client:	PSEG	Date Collected:	04/01/25
Project:	NYE Avenue Substation	Date Received:	04/02/25
Client Sample ID:	TP-18-EPH	SDG No.:	Q1694
Lab Sample ID:	Q1694-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	78.7
Sample Wt/Vol:	30.02 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
FE053168.D	1	04/03/25	04/03/25	PB167440

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		2.94	J	1.16	5.08	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		3.55		1.50	2.54	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		25.9		40 - 140	52%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		25.6		40 - 140	51%	SPK: 50

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

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1694-02	Acq On:	03 Apr 2025 18:25
Client Sample ID:	TP-18-EPH	Operator:	YP\AJ
Data file:	FE053168.D	Misc:	
Instrument:	FID_E	ALS Vial:	18
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.138	6.779	1594691	10.22	300	ug/ml
Aliphatic C12-C16	6.780	10.229	893613	5.817	200	ug/ml
Aliphatic C16-C21	10.230	13.605	743625	5.152	300	ug/ml
Aliphatic C21-C28	13.606	17.275	1832904	13.643	400	ug/ml
Aliphatic C28-C40	17.276	22.175	5206895	41.904	600	ug/ml
Aliphatic EPH	3.138	22.175	10271728	76.736		ug/ml
ortho-Terphenyl (SURR)	11.891	11.891	4169002	25.6		ug/ml
1-chlorooctadecane (SURR)	13.335	13.335	3109109	25.9		ug/ml
Aliphatic C9-C28	3.138	17.275	5064833	34.832	1200	ug/ml