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

Report of Analysis

Client:	PSEG	Date Collected:	08/22/25
Project:	North Ave Substation	Date Received:	08/22/25
Client Sample ID:	291-E2	SDG No.:	Q2947
Lab Sample ID:	Q2947-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	95.3
Sample Wt/Vol:	30.09 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
08/25/25 08:20	08/26/25 10:23	PB169369

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	45.5		2	2.47	4.18	mg/kg	FE055499.D
Aliphatic C9-C28	Aliphatic C9-C28	3070		100	95.1	417	mg/kg	FE055531.D
Total AliphaticEPH	Total AliphaticEPH	3110			97.6	421	mg/kg	
Total EPH	Total EPH	3110			97.6	421	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
FE055484.D	1	08/25/25	08/25/25	PB169369

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		2990	E	0.95	4.19	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		45.9	E	1.23	2.09	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		0.00		40 - 140	0%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		0.00		40 - 140	0%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2947-02	Acq On:	25 Aug 2025 15:48
Client Sample ID:	291-E2	Operator:	YP\AJ
Data file:	FE055484.D	Misc:	
Instrument:	FID_E	ALS Vial:	21
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.318	6.954	1969047	16.861	300	ug/ml
Aliphatic C12-C16	6.955	10.408	166664869	1330	200	ug/ml
Aliphatic C16-C21	10.409	13.788	3516151025	27800	300	ug/ml
Aliphatic C21-C28	13.789	17.461	1652735307	13700	400	ug/ml
Aliphatic C28-C40	17.462	22.488	74955847	657.581	600	ug/ml
Aliphatic EPH	3.318	22.488	5412476095	43500		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	0.000	0.000	0	0		ug/ml
Aliphatic C9-C28	3.318	17.461	5337520248	42900	1200	ug/ml