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

Report of Analysis

Client:	PSEG			Date Collected:	10/02/25
Project:	Waldwick Substation			Date Received:	10/02/25
Client Sample ID:	SG-1-TEST-PIT			SDG No.:	Q3270
Lab Sample ID:	Q3270-01			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	89.4
Sample Wt/Vol:	30.08	Units:	g	Final Vol:	2000 uL
Soil Aliquot Vol:			uL	Test:	EPH_NF
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
10/03/25 09:40	10/03/25 22:21	PB169970

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	6.17		1	1.32	2.23	mg/kg	FE056178.D
Aliphatic C9-C28	Aliphatic C9-C28	2.01	J	1	1.01	4.47	mg/kg	FE056178.D
Total AliphaticEPH	Total AliphaticEPH	8.18			2.34	6.70	mg/kg	
Total EPH	Total EPH	8.18			2.34	6.70	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:	10/02/25	
Project:	Waldwick Substation		Date Received:	10/02/25	
Client Sample ID:	SG-1-TEST-PIT		SDG No.:	Q3270	
Lab Sample ID:	Q3270-01		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	89.4	
Sample Wt/Vol:	30.08	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
FE056178.D	1	10/03/25	10/03/25	PB169970

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		2.01	J	1.01	4.47	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		6.17		1.32	2.23	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		38.4		40 - 140	77%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		36.2		40 - 140	72%	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:	Q3270-01	Acq On:	03 Oct 2025 22:21
Client Sample ID:	SG-1-TEST-PIT	Operator:	YP\AJ
Data file:	FE056178.D	Misc:	
Instrument:	FID_E	ALS Vial:	23
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.311	6.944	576933	4.12	300	ug/ml
Aliphatic C12-C16	6.945	10.393	1143425	7.455	200	ug/ml
Aliphatic C16-C21	10.394	13.770	958291	5.777	300	ug/ml
Aliphatic C21-C28	13.771	17.439	1446451	9.739	400	ug/ml
Aliphatic C28-C40	17.440	22.443	11306237	82.98	600	ug/ml
Aliphatic EPH	3.311	22.443	15431337	110.071		ug/ml
ortho-Terphenyl (SURR)	12.069	12.069	6785582	36.16		ug/ml
1-chlorooctadecane (SURR)	13.505	13.505	5355248	38.37		ug/ml
Aliphatic C9-C28	3.311	17.439	4125100	27.091	1200	ug/ml