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

Report of Analysis

Client:	PSEG	Date Collected:	06/03/25
Project:	Waldwick Substation	Date Received:	06/03/25
Client Sample ID:	COMP-12	SDG No.:	Q2194
Lab Sample ID:	Q2194-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	92
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
06/04/25 11:45	06/05/25 12:42	PB168287

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	1.65	J	1	1.28	2.17	mg/kg	FC069081.D
Aliphatic C9-C28	Aliphatic C9-C28	21.6		1	0.99	4.33	mg/kg	FC069081.D
Total AliphaticEPH	Total AliphaticEPH	23.2			2.27	6.50	mg/kg	
Total EPH	Total EPH	23.2			2.27	6.50	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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Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC069081.D	1	06/04/25	06/05/25	PB168287

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		21.6		0.99	4.33	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		1.65	J	1.28	2.17	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		25.1		40 - 140	50%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		24.2		40 - 140	48%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2194-01	Acq On:	05 Jun 2025 12:42
Client Sample ID:	COMP-12	Operator:	YP/AJ
Data file:	FC069081.D	Misc:	
Instrument:	FID_C	ALS Vial:	11
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.301	6.603	216324	2.046	300	ug/ml
Aliphatic C12-C16	6.604	10.008	2819101	27.642	200	ug/ml
Aliphatic C16-C21	10.009	13.380	19333132	197.549	300	ug/ml
Aliphatic C21-C28	13.381	17.047	6820011	72.705	400	ug/ml
Aliphatic C28-C40	17.048	22.036	2158571	22.857	600	ug/ml
Aliphatic EPH	3.301	22.036	31347139	322.799		ug/ml
ortho-Terphenyl (SURR)	11.677	11.677	2982172	24.18		ug/ml
1-chlorooctadecane (SURR)	13.113	13.113	2247046	25.05		ug/ml
Aliphatic C9-C28	3.301	17.047	29188568	299.942	1200	ug/ml