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-13	SDG No.:	Q2194
Lab Sample ID:	Q2194-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.3
Sample Wt/Vol:	30.04 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 13:24	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	1.33	2.26	mg/kg	FC069082.D
Aliphatic C9-C28	Aliphatic C9-C28	4.52	U	1	1.03	4.52	mg/kg	FC069082.D
Total AliphaticEPH	Total AliphaticEPH	6.78	U		2.36	6.78	mg/kg	
Total EPH	Total EPH	6.78	U		2.36	6.78	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
FC069082.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	0.000	U	1.03	4.52	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	1.65	J	1.33	2.26	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	26.2		40 - 140	52%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	25.6		40 - 140	51%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2194-03	Acq On:	05 Jun 2025 13:24
Client Sample ID:	COMP-13	Operator:	YP/AJ
Data file:	FC069082.D	Misc:	
Instrument:	FID_C	ALS Vial:	12
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.301	6.603	278820	2.637	300	ug/ml
Aliphatic C12-C16	6.604	10.008	307708	3.017	200	ug/ml
Aliphatic C16-C21	10.009	13.380	582213	5.949	300	ug/ml
Aliphatic C21-C28	13.381	17.047	348988	3.72	400	ug/ml
Aliphatic C28-C40	17.048	22.036	2064908	21.865	600	ug/ml
Aliphatic EPH	3.301	22.036	3582637	37.189		ug/ml
ortho-Terphenyl (SURR)	11.676	11.676	3160808	25.63		ug/ml
1-chlorooctadecane (SURR)	13.113	13.113	2347549	26.17		ug/ml
Aliphatic C9-C28	3.301	17.047	1517729	15.323	1200	ug/ml