

Report of Analysis

Client:	PSEG	Date Collected:	03/05/25
Project:	Waldwick Substation	Date Received:	03/05/25
Client Sample ID:	SOIL	SDG No.:	Q1494
Lab Sample ID:	Q1494-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.7
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
03/06/25 09:40	03/06/25 15:48	PB167013

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	5.23		1	2.00	2.23	mg/kg	FE052661.D
Aliphatic C9-C28	Aliphatic C9-C28	3.64	J	1	1.92	4.44	mg/kg	FE052661.D
Total AliphaticEPH	Total AliphaticEPH	8.87			3.92	6.67	mg/kg	
Total EPH	Total EPH	8.87			3.92	6.67	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

Report of Analysis

Client:	PSEG	Date Collected:	03/05/25
Project:	Waldwick Substation	Date Received:	03/05/25
Client Sample ID:	SOIL	SDG No.:	Q1494
Lab Sample ID:	Q1494-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.7
Sample Wt/Vol:	30.03 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
FE052661.D	1	03/06/25	03/06/25	PB167013

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	3.64	J	1.92	4.44	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	5.23		2.00	2.23	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	43.7		40 - 140	87%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	41.0		40 - 140	82%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1494-05	Acq On:	06 Mar 2025 15:48
Client Sample ID:	SOIL	Operator:	YP\AJ
Data file:	FE052661.D	Misc:	
Instrument:	FID_E	ALS Vial:	15
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.153	6.798	1036507	6.646	300	ug/ml
Aliphatic C12-C16	6.799	10.252	1941266	12.763	200	ug/ml
Aliphatic C16-C21	10.253	13.632	1215559	8.295	300	ug/ml
Aliphatic C21-C28	13.633	17.306	3036768	21.318	400	ug/ml
Aliphatic C28-C40	17.307	22.230	8985399	70.424	600	ug/ml
Aliphatic EPH	3.153	22.230	16215499	119.447		ug/ml
ortho-Terphenyl (SURR)	11.916	11.916	6909643	40.99		ug/ml
1-chlorooctadecane (SURR)	13.360	13.360	5310316	43.73		ug/ml
Aliphatic C9-C28	3.153	17.306	7230100	49.022	1200	ug/ml