

Report of Analysis

Client:	PSEG	Date Collected:	08/22/25
Project:	Waldwick Substation	Date Received:	08/22/25
Client Sample ID:	SOIL-COMP(1-2)	SDG No.:	Q2941
Lab Sample ID:	Q2941-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	81.4
Sample Wt/Vol:	30.03 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	08/25/25 14:47	PB169369

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	48.9		1	1.45	2.45	mg/kg FE055482.D
Aliphatic C9-C28	Aliphatic C9-C28	15.3		1	1.12	4.92	mg/kg FE055482.D
Total AliphaticEPH	Total AliphaticEPH	64.2			2.57	7.37	mg/kg
Total EPH	Total EPH	64.2			2.57	7.37	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
FE055482.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	15.3		1.12	4.92	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	48.9		1.45	2.45	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	62.7		40 - 140	125%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	59.3		40 - 140	119%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2941-01	Acq On:	25 Aug 2025 14:47
Client Sample ID:	SOIL-COMP(1-2)	Operator:	YP\AJ
Data file:	FE055482.D	Misc:	
Instrument:	FID_E	ALS Vial:	19
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.318	6.954	1141790	9.777	300	ug/ml
Aliphatic C12-C16	6.955	10.408	2330914	18.613	200	ug/ml
Aliphatic C16-C21	10.409	13.788	7755086	61.351	300	ug/ml
Aliphatic C21-C28	13.789	17.461	11761082	97.598	400	ug/ml
Aliphatic C28-C40	17.462	22.488	68112408	597.544	600	ug/ml
Aliphatic EPH	3.318	22.488	91101280	784.884		ug/ml
ortho-Terphenyl (SURR)	12.090	12.090	8471631	59.32		ug/ml
1-chlorooctadecane (SURR)	13.526	13.526	6737393	62.66		ug/ml
Aliphatic C9-C28	3.318	17.461	22988872	187.339	1200	ug/ml