

Report of Analysis

Client:	PSEG	Date Collected:	04/22/25
Project:	Waldwick Substation	Date Received:	04/22/25
Client Sample ID:	72-12013	SDG No.:	Q1852
Lab Sample ID:	Q1852-07	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.2
Sample Wt/Vol:	30.07	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
04/23/25 09:45	04/23/25 18:19	PB167712

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	2.24	U	1	1.32	2.24	mg/kg	FE053507.D
Aliphatic C9-C28	Aliphatic C9-C28	2.92	J	1	1.02	4.48	mg/kg	FE053507.D
Total AliphaticEPH	Total AliphaticEPH	2.92	J		2.34	6.72	mg/kg	
Total EPH	Total EPH	2.92	J		2.34	6.72	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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Analytical Method:	NJEPH	% Solid:	89.2
Sample Wt/Vol:	30.07 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
FE053507.D	1	04/23/25	04/23/25	PB167712

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	2.92	J	1.02	4.48	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	2.24	U	1.32	2.24	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	22.9		40 - 140	46%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	22.5		40 - 140	45%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1852-07	Acq On:	23 Apr 2025 18:19
Client Sample ID:	72-12013	Operator:	YP\AJ
Data file:	FE053507.D	Misc:	
Instrument:	FID_E	ALS Vial:	20
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.120	6.760	600250	4.332	300	ug/ml
Aliphatic C12-C16	6.761	10.209	515295	3.634	200	ug/ml
Aliphatic C16-C21	10.210	13.585	4543201	31.254	300	ug/ml
Aliphatic C21-C28	13.586	17.252	814240	5.727	400	ug/ml
Aliphatic C28-C40	17.253	22.138	1259064	9.756	600	ug/ml
Aliphatic EPH	3.120	22.138	7732050	54.703		ug/ml
ortho-Terphenyl (SURR)	11.869	11.869	4061106	22.52		ug/ml
1-chlorooctadecane (SURR)	13.313	13.313	3098409	22.92		ug/ml
Aliphatic C9-C28	3.120	17.252	6472986	44.947	1200	ug/ml