

Report of Analysis

Client:	PSEG	Date Collected:	04/07/25
Project:	PSEG 26kV Service to Prologis	Date Received:	04/08/25
Client Sample ID:	TP-14-EPH	SDG No.:	Q1749
Lab Sample ID:	Q1749-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	81.3
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:			uL
Prep Method :		Final Vol:	2000
		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
04/09/25 09:51	04/09/25 19:13	PB167528

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	36.9		1	1.45	2.46	mg/kg FE053283.D
Aliphatic C9-C28	Aliphatic C9-C28	7.83		1	1.12	4.92	mg/kg FE053283.D
Total AliphaticEPH	Total AliphaticEPH	44.7			2.57	7.38	mg/kg
Total EPH	Total EPH	44.7			2.57	7.38	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
FE053283.D	1	04/09/25	04/09/25	PB167528

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	7.83		1.12	4.92	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	36.9		1.45	2.46	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	34.0		40 - 140	68%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	33.1		40 - 140	66%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1749-02	Acq On:	09 Apr 2025 19:13
Client Sample ID:	TP-14-EPH	Operator:	YP\AJ
Data file:	FE053283.D	Misc:	
Instrument:	FID_E	ALS Vial:	16
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.135	6.774	1292335	8.282	300	ug/ml
Aliphatic C12-C16	6.775	10.223	1629233	10.605	200	ug/ml
Aliphatic C16-C21	10.224	13.598	1751004	12.131	300	ug/ml
Aliphatic C21-C28	13.599	17.267	8690105	64.684	400	ug/ml
Aliphatic C28-C40	17.268	22.161	55952691	450.3	600	ug/ml
Aliphatic EPH	3.135	22.161	69315368	546.002		ug/ml
ortho-Terphenyl (SURR)	11.888	11.888	5399475	33.15		ug/ml
1-chlorooctadecane (SURR)	13.332	13.332	4081625	34		ug/ml
Aliphatic C9-C28	3.135	17.267	13362677	95.702	1200	ug/ml