

Report of Analysis

Client:	PSEG	Date Collected:	04/04/25
Project:	PSEG 26kV Service to Prologis	Date Received:	04/07/25
Client Sample ID:	TP-16	SDG No.:	Q1743
Lab Sample ID:	Q1743-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	94.6
Sample Wt/Vol:	30.08	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
04/08/25 10:10	04/08/25 20:08	PB167512

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	22.9		1	1.24	2.11	mg/kg FE053245.D
Aliphatic C9-C28	Aliphatic C9-C28	4.48		1	0.96	4.21	mg/kg FE053245.D
Total AliphaticEPH	Total AliphaticEPH	27.4			2.20	6.32	mg/kg
Total EPH	Total EPH	27.4			2.20	6.32	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
FE053245.D	1	04/08/25	04/08/25	PB167512

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	4.48		0.96	4.21	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	22.9		1.24	2.11	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	35.3		40 - 140	71%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	34.3		40 - 140	69%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1743-01	Acq On:	08 Apr 2025 20:08
Client Sample ID:	TP-16	Operator:	YP\AJ
Data file:	FE053245.D	Misc:	
Instrument:	FID_E	ALS Vial:	18
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.139	6.782	1285530	8.239	300	ug/ml
Aliphatic C12-C16	6.783	10.234	2299608	14.968	200	ug/ml
Aliphatic C16-C21	10.235	13.613	2639373	18.286	300	ug/ml
Aliphatic C21-C28	13.614	17.285	2980508	22.185	400	ug/ml
Aliphatic C28-C40	17.286	22.199	40431520	325.387	600	ug/ml
Aliphatic EPH	3.139	22.199	49636539	389.066		ug/ml
ortho-Terphenyl (SURR)	11.895	11.895	5593824	34.34		ug/ml
1-chlorooctadecane (SURR)	13.340	13.340	4238594	35.31		ug/ml
Aliphatic C9-C28	3.139	17.285	9205019	63.678	1200	ug/ml