

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	SDG No.:	Q1749
Lab Sample ID:	Q1749-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	78.8
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
04/09/25 09:51	04/09/25 18:43	PB167528

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	9.33		1	1.50	2.54	mg/kg	FE053282.D
Aliphatic C9-C28	Aliphatic C9-C28	7.91		1	1.15	5.08	mg/kg	FE053282.D
Total AliphaticEPH	Total AliphaticEPH	17.2			2.65	7.62	mg/kg	
Total EPH	Total EPH	17.2			2.65	7.62	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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Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE053282.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	7.91		1.15	5.08	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	9.33		1.50	2.54	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	39.3		40 - 140	79%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	36.4		40 - 140	73%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1749-01	Acq On:	09 Apr 2025 18:43
Client Sample ID:	TP-14	Operator:	YP\AJ
Data file:	FE053282.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	3.135	6.774	1869753	11.983	300	ug/ml
Aliphatic C12-C16	6.775	10.223	3869305	25.186	200	ug/ml
Aliphatic C16-C21	10.224	13.598	5908946	40.938	300	ug/ml
Aliphatic C21-C28	13.599	17.267	2085804	15.525	400	ug/ml
Aliphatic C28-C40	17.268	22.161	13720565	110.421	600	ug/ml
Aliphatic EPH	3.135	22.161	27454373	204.054		ug/ml
ortho-Terphenyl (SURR)	11.890	11.890	5920162	36.35		ug/ml
1-chlorooctadecane (SURR)	13.335	13.335	4714507	39.27		ug/ml
Aliphatic C9-C28	3.135	17.267	13733808	93.632	1200	ug/ml