

Report of Analysis

Client:	PSEG	Date Collected:	04/09/25
Project:	26kV Service to Prologis - Newark OP	Date Received:	04/10/25
Client Sample ID:	TP-7C-EPH	SDG No.:	Q1771
Lab Sample ID:	Q1771-06	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.9
Sample Wt/Vol:	30.06 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
04/10/25 09:00	04/10/25 17:03	PB167545

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	33.2		1	1.28	2.17	mg/kg	FE053308.D
Aliphatic C9-C28	Aliphatic C9-C28	14.3		1	0.99	4.35	mg/kg	FE053308.D
Total AliphaticEPH	Total AliphaticEPH	47.5			2.27	6.52	mg/kg	
Total EPH	Total EPH	47.5			2.27	6.52	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
FE053308.D	1	04/10/25	04/10/25	PB167545

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	14.3		0.99	4.35	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	33.2		1.28	2.17	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	37.0		40 - 140	74%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	26.7		40 - 140	53%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1771-06	Acq On:	10 Apr 2025 17:03
Client Sample ID:	TP-7C-EPH	Operator:	YP\AJ
Data file:	FE053308.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	3.133	6.774	3906150	25.034	300	ug/ml
Aliphatic C12-C16	6.775	10.223	10219187	66.518	200	ug/ml
Aliphatic C16-C21	10.224	13.598	9114512	63.147	300	ug/ml
Aliphatic C21-C28	13.599	17.266	5661808	42.143	400	ug/ml
Aliphatic C28-C40	17.267	22.162	57026685	458.943	600	ug/ml
Aliphatic EPH	3.133	22.162	85928342	655.785		ug/ml
ortho-Terphenyl (SURR)	11.886	11.886	4351157	26.71		ug/ml
1-chlorooctadecane (SURR)	13.330	13.330	4436677	36.96		ug/ml
Aliphatic C9-C28	3.133	17.266	28901657	196.842	1200	ug/ml