

Report of Analysis

Client:	PSEG	Date Collected:	04/10/25
Project:	26kV Service to Prologis - Newark OP	Date Received:	04/11/25
Client Sample ID:	TP-1	SDG No.:	Q1787
Lab Sample ID:	Q1787-09	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	83.5
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
04/14/25 08:38	04/14/25 15:32	PB167574

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	6.97		1	1.41	2.39	mg/kg	FE053343.D
Aliphatic C9-C28	Aliphatic C9-C28	9.68		1	1.09	4.80	mg/kg	FE053343.D
Total AliphaticEPH	Total AliphaticEPH	16.7			2.50	7.19	mg/kg	
Total EPH	Total EPH	16.7			2.50	7.19	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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File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE053343.D	1	04/14/25	04/14/25	PB167574

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	9.68		1.09	4.80	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	6.97		1.41	2.39	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	34.8		40 - 140	70%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	33.8		40 - 140	68%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1787-09	Acq On:	14 Apr 2025 15:32
Client Sample ID:	TP-1	Operator:	YP\AJ
Data file:	FE053343.D	Misc:	
Instrument:	FID_E	ALS Vial:	12
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.133	6.775	1724909	11.055	300	ug/ml
Aliphatic C12-C16	6.776	10.227	2430990	15.824	200	ug/ml
Aliphatic C16-C21	10.228	13.605	4895575	33.918	300	ug/ml
Aliphatic C21-C28	13.606	17.276	8124840	60.476	400	ug/ml
Aliphatic C28-C40	17.277	22.185	10847665	87.301	600	ug/ml
Aliphatic EPH	3.133	22.185	28023979	208.573		ug/ml
ortho-Terphenyl (SURR)	11.891	11.891	5497190	33.75		ug/ml
1-chlorooctadecane (SURR)	13.337	13.337	4171299	34.75		ug/ml
Aliphatic C9-C28	3.133	17.276	17176314	121.273	1200	ug/ml