

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-6C	SDG No.:	Q1771
Lab Sample ID:	Q1771-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.4
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
04/10/25 09:00	04/11/25 12:10	PB167545

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	210		10	13.2	22.3	mg/kg FE053318.D
Aliphatic C9-C28	Aliphatic C9-C28	338		10	10.2	44.7	mg/kg FE053318.D
Total AliphaticEPH	Total AliphaticEPH	548			23.4	67.0	mg/kg
Total EPH	Total EPH	548			23.4	67.0	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
FE053309.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	325	E	1.01	4.47	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	213	E	1.32	2.23	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	35.8		40 - 140	72%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	33.6		40 - 140	67%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1771-01	Acq On:	10 Apr 2025 17:33
Client Sample ID:	TP-6C	Operator:	YP\AJ
Data file:	FE053309.D	Misc:	
Instrument:	FID_E	ALS Vial:	19
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.133	6.774	216459454	1390	300	ug/ml
Aliphatic C12-C16	6.775	10.223	400112341	2600	200	ug/ml
Aliphatic C16-C21	10.224	13.598	36517806	253.003	300	ug/ml
Aliphatic C21-C28	13.599	17.266	19085664	142.062	400	ug/ml
Aliphatic C28-C40	17.267	22.162	355874137	2860	600	ug/ml
Aliphatic EPH	3.133	22.162	1028049402	7250		ug/ml
ortho-Terphenyl (SURR)	11.888	11.888	5471011	33.59		ug/ml
1-chlorooctadecane (SURR)	13.332	13.332	4301202	35.83		ug/ml
Aliphatic C9-C28	3.133	17.266	672175265	4390	1200	ug/ml