

Report of Analysis

Client:	PSEG	Date Collected:	04/09/25
Project:	PSEG 26kV Service to Prologis	Date Received:	04/09/25
Client Sample ID:	TP-9	SDG No.:	Q1756
Lab Sample ID:	Q1756-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	86.7
Sample Wt/Vol:	30.04	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	04/10/25 13:33	PB167545

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	6.69		1	1.36	2.30	mg/kg FE053301.D
Aliphatic C9-C28	Aliphatic C9-C28	12.8		1	1.05	4.61	mg/kg FE053301.D
Total AliphaticEPH	Total AliphaticEPH	19.5			2.41	6.91	mg/kg
Total EPH	Total EPH	19.5			2.41	6.91	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
FE053301.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	12.8		1.05	4.61	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	6.69		1.36	2.30	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	37.4		40 - 140	75%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	30.3		40 - 140	61%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1756-01	Acq On:	10 Apr 2025 13:33
Client Sample ID:	TP-9	Operator:	YP\AJ
Data file:	FE053301.D	Misc:	
Instrument:	FID_E	ALS Vial:	11
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.133	6.774	1763402	11.302	300	ug/ml
Aliphatic C12-C16	6.775	10.223	7250422	47.194	200	ug/ml
Aliphatic C16-C21	10.224	13.598	10942181	75.81	300	ug/ml
Aliphatic C21-C28	13.599	17.266	4378249	32.589	400	ug/ml
Aliphatic C28-C40	17.267	22.162	10817380	87.057	600	ug/ml
Aliphatic EPH	3.133	22.162	35151634	253.951		ug/ml
ortho-Terphenyl (SURR)	11.889	11.889	4935704	30.3		ug/ml
1-chlorooctadecane (SURR)	13.334	13.334	4487978	37.39		ug/ml
Aliphatic C9-C28	3.133	17.266	24334254	166.895	1200	ug/ml