284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

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-3A-EPH	SDG No.:	Q1771
Lab Sample ID:	Q1771-10	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	80.1
Sample Wt/Vol:	30.09 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 16:03	PB167545

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	4.52		1	1.47	2.49	mg/kg	FE053306.D
Aliphatic C9-C28	Aliphatic C9-C28	10.5		1	1.13	4.97	mg/kg	FE053306.D
Total AliphaticEPH	Total AliphaticEPH	15.0			2.60	7.46	mg/kg	
Total EPH	Total EPH	15.0			2.60	7.46	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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Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE053306.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	10.5		1.13	4.97	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	4.52		1.47	2.49	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	40.9		40 - 140	82%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	38.4		40 - 140	77%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1771-10	Acq On:	10 Apr 2025 16:03
Client Sample ID:	TP-3A-EPH	Operator:	YP\AJ
Data file:	FE053306.D	Misc:	
Instrument:	FID_E	ALS Vial:	16
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.133	6.774	2409258	15.441	300	ug/ml
Aliphatic C12-C16	6.775	10.223	2212991	14.405	200	ug/ml
Aliphatic C16-C21	10.224	13.598	6092339	42.209	300	ug/ml
Aliphatic C21-C28	13.599	17.266	7260829	54.045	400	ug/ml
Aliphatic C28-C40	17.267	22.162	6763877	54.435	600	ug/ml
Aliphatic EPH	3.133	22.162	24739294	180.534		ug/ml
ortho-Terphenyl (SURR)	11.887	11.887	6261239	38.44		ug/ml
1-chlorooctadecane (SURR)	13.330	13.330	4911593	40.91		ug/ml
Aliphatic C9-C28	3.133	17.266	17975417	126.1	1200	ug/ml