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

Report of Analysis

Client:	PSEG	Date Collected:	09/02/25
Project:	Defective Pole Replacement	Date Received:	09/02/25
Client Sample ID:	VNJ-231	SDG No.:	Q3003
Lab Sample ID:	Q3003-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	95.7
Sample Wt/Vol:	30.05 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
09/03/25 08:39	09/03/25 21:31	PB169516

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	9.13		1	1.23	2.09	mg/kg	FE055651.D
Aliphatic C9-C28	Aliphatic C9-C28	5.05		1	0.95	4.17	mg/kg	FE055651.D
Total AliphaticEPH	Total AliphaticEPH	14.2			2.18	6.25	mg/kg	
Total EPH	Total EPH	14.2			2.18	6.25	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
FE055651.D	1	09/03/25	09/03/25	PB169516

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	5.05		0.95	4.17	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	9.13		1.23	2.09	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	41.0		40 - 140	82%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	39.3		40 - 140	79%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3003-01	Acq On:	03 Sep 2025 21:31
Client Sample ID:	VNJ-231	Operator:	YP\AJ
Data file:	FE055651.D	Misc:	
Instrument:	FID_E	ALS Vial:	31
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.314	6.948	586923	4.571	300	ug/ml
Aliphatic C12-C16	6.949	10.401	1290984	9.556	200	ug/ml
Aliphatic C16-C21	10.402	13.781	2611150	18.106	300	ug/ml
Aliphatic C21-C28	13.782	17.452	5789822	40.422	400	ug/ml
Aliphatic C28-C40	17.453	22.470	18070679	131.213	600	ug/ml
Aliphatic EPH	3.314	22.470	28349558	203.868		ug/ml
ortho-Terphenyl (SURR)	12.076	12.076	6452885	39.28		ug/ml
1-chlorooctadecane (SURR)	13.512	13.512	5127152	41		ug/ml
Aliphatic C9-C28	3.314	17.452	10278879	72.655	1200	ug/ml