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

Report of Analysis

Client:	PSEG	Date Collected:	01/16/25
Project:	Livingston Pole Replacement	Date Received:	01/16/25
Client Sample ID:	BIN-1	SDG No.:	Q1110
Lab Sample ID:	Q1110-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	92.5
Sample Wt/Vol:	30.08 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
01/17/25 10:10	01/17/25 16:24	PB166099

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	7.36		1	1.94	2.16	mg/kg	FE051949.D
Aliphatic C9-C28	Aliphatic C9-C28	10.5		1	1.86	4.32	mg/kg	FE051949.D
Total AliphaticEPH	Total AliphaticEPH	17.9			3.80	6.48	mg/kg	
Total EPH	Total EPH	17.9			3.80	6.48	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
FE051949.D	1	01/17/25	01/17/25	PB166099

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	10.5		1.86	4.32	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	7.36		1.94	2.16	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	31.9		40 - 140	64%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	28.4		40 - 140	57%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1110-01	Acq On:	17 Jan 2025 16:24
Client Sample ID:	BIN-1	Operator:	YP\AJ
Data file:	FE051949.D	Misc:	
Instrument:	FID_E	ALS Vial:	15
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.508	7.090	1621451	14.787	300	ug/ml
Aliphatic C12-C16	7.091	10.508	2238101	18.464	200	ug/ml
Aliphatic C16-C21	10.509	13.863	8561087	65.258	300	ug/ml
Aliphatic C21-C28	13.864	17.513	6324935	47.895	400	ug/ml
Aliphatic C28-C40	17.514	22.545	10991432	102.444	600	ug/ml
Aliphatic EPH	3.508	22.545	29737006	248.848		ug/ml
ortho-Terphenyl (SURR)	12.182	12.182	4063021	28.43		ug/ml
1-chlorooctadecane (SURR)	13.604	13.604	3658297	31.89		ug/ml
Aliphatic C9-C28	3.508	17.513	18745574	146.404	1200	ug/ml