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

Report of Analysis

Client:	PSEG	Date Collected:	03/26/25
Project:	Livingston Pole Replacement	Date Received:	03/26/25
Client Sample ID:	STOCK-PILE-BIN2	SDG No.:	Q1650
Lab Sample ID:	Q1650-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.2
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
03/27/25 09:55	03/27/25 15:52	PB167350

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	5.77		1	1.34	2.27	mg/kg	FE053019.D
Aliphatic C9-C28	Aliphatic C9-C28	21.7		1	1.03	4.53	mg/kg	FE053019.D
Total AliphaticEPH	Total AliphaticEPH	27.5			2.37	6.80	mg/kg	
Total EPH	Total EPH	27.5			2.37	6.80	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
FE053019.D	1	03/27/25	03/27/25	PB167350

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	21.7		1.03	4.53	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	5.77		1.34	2.27	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	35.4		40 - 140	71%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	30.9		40 - 140	62%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1650-01	Acq On:	27 Mar 2025 15:52
Client Sample ID:	STOCK-PILE-BIN2	Operator:	YP\AJ
Data file:	FE053019.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	3.143	6.785	1346222	8.632	300	ug/ml
Aliphatic C12-C16	6.786	10.236	6003649	39.472	200	ug/ml
Aliphatic C16-C21	10.237	13.612	22196908	151.465	300	ug/ml
Aliphatic C21-C28	13.613	17.282	12640091	88.732	400	ug/ml
Aliphatic C28-C40	17.283	22.191	9740704	76.344	600	ug/ml
Aliphatic EPH	3.143	22.191	51927574	364.646		ug/ml
ortho-Terphenyl (SURR)	11.900	11.900	5203431	30.87		ug/ml
1-chlorooctadecane (SURR)	13.344	13.344	4293119	35.36		ug/ml
Aliphatic C9-C28	3.143	17.282	42186870	288.301	1200	ug/ml