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

Report of Analysis

Client:	PSEG	Date Collected:	07/10/25
Project:	Livingston Pole Replacement	Date Received:	07/10/25
Client Sample ID:	LP-7102025-EPH-2	SDG No.:	Q2560
Lab Sample ID:	Q2560-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	85.7
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
07/11/25 09:20	07/11/25 16:19	PB168812

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	7.99		1	1.37	2.33	mg/kg	FE054813.D
Aliphatic C9-C28	Aliphatic C9-C28	5.33		1	1.06	4.65	mg/kg	FE054813.D
Total AliphaticEPH	Total AliphaticEPH	13.3			2.43	6.98	mg/kg	
Total EPH	Total EPH	13.3			2.43	6.98	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
FE054813.D	1	07/11/25	07/11/25	PB168812

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	5.33		1.06	4.65	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	7.99		1.37	2.33	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	26.2		40 - 140	52%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	26.1		40 - 140	52%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2560-02	Acq On:	11 Jul 2025 16:19
Client Sample ID:	LP-7102025-EPH-2	Operator:	YP\AJ
Data file:	FE054813.D	Misc:	
Instrument:	FID_E	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.321	6.954	352873	2.594	300	ug/ml
Aliphatic C12-C16	6.955	10.407	1332646	9.48	200	ug/ml
Aliphatic C16-C21	10.408	13.785	3856722	26.71	300	ug/ml
Aliphatic C21-C28	13.786	17.455	4329741	29.932	400	ug/ml
Aliphatic C28-C40	17.456	22.481	14277331	102.976	600	ug/ml
Aliphatic EPH	3.321	22.481	24149313	171.692		ug/ml
ortho-Terphenyl (SURR)	12.082	12.082	4231863	26.06		ug/ml
1-chlorooctadecane (SURR)	13.518	13.518	3304519	26.17		ug/ml
Aliphatic C9-C28	3.321	17.455	9871982	68.716	1200	ug/ml