

Report of Analysis

Client:	PSEG	Date Collected:	07/10/25
Project:	Livingston Pole Replacement	Date Received:	07/10/25
Client Sample ID:	LP-7102025	SDG No.:	Q2560
Lab Sample ID:	Q2560-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	84.2
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
07/11/25 09:20	07/11/25 15:49	PB168812

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	7.96		1	1.40	2.37	mg/kg	FE054812.D
Aliphatic C9-C28	Aliphatic C9-C28	5.10		1	1.08	4.75	mg/kg	FE054812.D
Total AliphaticEPH	Total AliphaticEPH	13.1			2.48	7.12	mg/kg	
Total EPH	Total EPH	13.1			2.48	7.12	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
FE054812.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	5.10		1.08	4.75	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	7.96		1.40	2.37	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	26.6		40 - 140	53%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	25.9		40 - 140	52%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2560-01	Acq On:	11 Jul 2025 15:49
Client Sample ID:	LP-7102025	Operator:	YP\AJ
Data file:	FE054812.D	Misc:	
Instrument:	FID_E	ALS Vial:	13
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.321	6.954	504602	3.709	300	ug/ml
Aliphatic C12-C16	6.955	10.407	1415244	10.068	200	ug/ml
Aliphatic C16-C21	10.408	13.785	3526226	24.421	300	ug/ml
Aliphatic C21-C28	13.786	17.455	3800394	26.273	400	ug/ml
Aliphatic C28-C40	17.456	22.481	13955933	100.658	600	ug/ml
Aliphatic EPH	3.321	22.481	23202399	165.128		ug/ml
ortho-Terphenyl (SURR)	12.081	12.081	4211989	25.94		ug/ml
1-chlorooctadecane (SURR)	13.518	13.518	3359086	26.6		ug/ml
Aliphatic C9-C28	3.321	17.455	9246466	64.471	1200	ug/ml