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

Report of Analysis

Client:	PSEG		Date Collected:	07/08/25	
Project:	Lawrenceville HQ		Date Received:	07/08/25	
Client Sample ID:	LAW-25-0102		SDG No.:	Q2526	
Lab Sample ID:	Q2526-03		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	42.5	
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
07/09/25 09:30	07/10/25 9:03	PB168768

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	55.5		1	2.78	4.70	mg/kg	FE054773.D
Aliphatic C9-C28	Aliphatic C9-C28	1140		10	21.4	94.1	mg/kg	FE054767.D
Total AliphaticEPH	Total AliphaticEPH	1200			24.2	98.8	mg/kg	
Total EPH	Total EPH	1200			24.2	98.8	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
FE054773.D	1	07/09/25	07/10/25	PB168768

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		1110	E	2.14	9.41	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		55.5		2.78	4.70	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		49.6		40 - 140	99%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		64.4		40 - 140	129%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2526-03	Acq On:	10 Jul 2025 09:03
Client Sample ID:	LAW-25-0102	Operator:	YP\AJ
Data file:	FE054773.D	Misc:	
Instrument:	FID_E	ALS Vial:	11
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.319	6.952	6828321	50.188	300	ug/ml
Aliphatic C12-C16	6.953	10.404	5678445	40.396	200	ug/ml
Aliphatic C16-C21	10.405	13.781	666568922	4620	300	ug/ml
Aliphatic C21-C28	13.782	17.452	339521545	2350	400	ug/ml
Aliphatic C28-C40	17.453	22.471	49063759	353.874	600	ug/ml
Aliphatic EPH	3.319	22.471	1067660992	7410		ug/ml
ortho-Terphenyl (SURR)	12.086	12.086	10451129	64.36		ug/ml
1-chlorooctadecane (SURR)	13.531	13.531	6269732	49.64		ug/ml
Aliphatic C9-C28	3.319	17.452	1018597233	7050	1200	ug/ml