

Report of Analysis

Client:	PSEG	Date Collected:	06/27/25
Project:	Lawrenceville HQ	Date Received:	06/27/25
Client Sample ID:	LAW-25-0100	SDG No.:	Q2447
Lab Sample ID:	Q2447-06	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.4
Sample Wt/Vol:	5.02	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
06/30/25 08:50	07/01/25 12:12	PB168656

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	29900		500	3900	6610	mg/kg FE054654.D
Aliphatic C9-C28	Aliphatic C9-C28	90100		500	3010	13200	mg/kg FE054654.D
Total AliphaticEPH	Total AliphaticEPH	120000			6910	19800	mg/kg
Total EPH	Total EPH	120000			6910	19800	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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Sample Wt/Vol:	5.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE054641.D	1	06/30/25	06/30/25	PB168656

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	93900	E	6.01	26.4	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	27400	E	7.80	13.2	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	0.00		40 - 140	0%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2447-06	Acq On:	30 Jun 2025 22:01
Client Sample ID:	LAW-25-0100	Operator:	YP\AJ
Data file:	FE054641.D	Misc:	
Instrument:	FID_E	ALS Vial:	24
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.322	6.949	19012190	139.739	300	ug/ml
Aliphatic C12-C16	6.950	10.397	782291055	5570	200	ug/ml
Aliphatic C16-C21	10.398	13.771	6727491561	46600	300	ug/ml
Aliphatic C21-C28	13.772	17.439	23267495394	161000	400	ug/ml
Aliphatic C28-C40	17.440	22.445	8605294785	62100	600	ug/ml
Aliphatic EPH	3.322	22.445	39401584985	275000		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	0.000	0.000	0	0		ug/ml
Aliphatic C9-C28	3.322	17.439	30796290200	213000	1200	ug/ml