

Report of Analysis

Client:	PSEG	Date Collected:	06/23/25
Project:	Lawrenceville HQ	Date Received:	06/23/25
Client Sample ID:	LAW-25-0093	SDG No.:	Q2403
Lab Sample ID:	Q2403-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.4
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
06/25/25 09:15	06/26/25 11:31	PB168609

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	8830		1000	1290	2190	mg/kg FE054602.D
Aliphatic C9-C28	Aliphatic C9-C28	24600		1000	994	4370	mg/kg FE054602.D
Total AliphaticEPH	Total AliphaticEPH	33400			2280	6550	mg/kg
Total EPH	Total EPH	33400			2280	6550	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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File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE054588.D	10	06/25/25	06/25/25	PB168609

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	22300	E	9.94	43.7	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	7630	E	12.9	21.9	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	8.26		40 - 140	165%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	6.97		40 - 140	139%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2403-03	Acq On:	25 Jun 2025 21:54
Client Sample ID:	LAW-25-0093	Operator:	YP\AJ
Data file:	FE054588.D	Misc:	
Instrument:	FID_E	ALS Vial:	20
Dilution Factor:	10	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.071	6.716	2251660	17.977	300	ug/ml
Aliphatic C12-C16	6.717	10.163	7688129	58.62	200	ug/ml
Aliphatic C16-C21	10.164	13.535	188855778	1410	300	ug/ml
Aliphatic C21-C28	13.536	17.204	3692545962	29100	400	ug/ml
Aliphatic C28-C40	17.205	22.072	1342499832	10500	600	ug/ml
Aliphatic EPH	3.071	22.072	5233841361	41000		ug/ml
ortho-Terphenyl (SURR)	11.821	11.821	1151973	6.97		ug/ml
1-chlorooctadecane (SURR)	13.283	13.283	1007787	8.26		ug/ml
Aliphatic C9-C28	3.071	17.204	3891341529	30500	1200	ug/ml