

Report of Analysis

Client:	PSEG	Date Collected:	06/23/25
Project:	Lawrenceville HQ	Date Received:	06/23/25
Client Sample ID:	LAW-25-0093-E2	SDG No.:	Q2403
Lab Sample ID:	Q2403-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.1
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
06/25/25 09:15	06/26/25 12:01	PB168609

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	3550		500	646	1100	mg/kg FE054603.D
Aliphatic C9-C28	Aliphatic C9-C28	12700		500	498	2190	mg/kg FE054603.D
Total AliphaticEPH	Total AliphaticEPH	16200			1140	3280	mg/kg
Total EPH	Total EPH	16200			1140	3280	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 :		Test:	EPH_NF

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE054589.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	12000	E	9.97	43.9	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	3290	E	12.9	21.9	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	5.32		40 - 140	106%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	4.64		40 - 140	93%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2403-04	Acq On:	25 Jun 2025 22:25
Client Sample ID:	LAW-25-0093-E2	Operator:	YP\AJ
Data file:	FE054589.D	Misc:	
Instrument:	FID_E	ALS Vial:	21
Dilution Factor:	10	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.071	6.716	1661671	13.266	300	ug/ml
Aliphatic C12-C16	6.717	10.163	5119980	39.039	200	ug/ml
Aliphatic C16-C21	10.164	13.535	109811217	819.94	300	ug/ml
Aliphatic C21-C28	13.536	17.204	1975863001	15500	400	ug/ml
Aliphatic C28-C40	17.205	22.072	577899063	4510	600	ug/ml
Aliphatic EPH	3.071	22.072	2670354932	20900		ug/ml
ortho-Terphenyl (SURR)	11.821	11.821	765949	4.64		ug/ml
1-chlorooctadecane (SURR)	13.275	13.275	649220	5.32		ug/ml
Aliphatic C9-C28	3.071	17.204	2092455869	16400	1200	ug/ml