

Report of Analysis

Client:	PSEG	Date Collected:	09/10/25
Project:	Lawrenceville HQ	Date Received:	09/10/25
Client Sample ID:	LAW-25-0139	SDG No.:	Q3077
Lab Sample ID:	Q3077-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	86.4
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
09/11/25 10:00	09/12/25 12:48	PB169650

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	211		10	13.6	23.1	mg/kg	FE055798.D
Aliphatic C9-C28	Aliphatic C9-C28	15100		200	210	924	mg/kg	FE055799.D
Total AliphaticEPH	Total AliphaticEPH	15300			223	947	mg/kg	
Total EPH	Total EPH	15300			223	947	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
FE055783.D	1	09/11/25	09/11/25	PB169650

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	10600	E	1.05	4.63	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	227	E	1.36	2.31	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:	Q3077-03	Acq On:	11 Sep 2025 22:15
Client Sample ID:	LAW-25-0139	Operator:	YP\AJ
Data file:	FE055783.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	3.313	6.946	532362152	4150	300	ug/ml
Aliphatic C12-C16	6.947	10.398	3341855825	24700	200	ug/ml
Aliphatic C16-C21	10.399	13.776	12658703400	87800	300	ug/ml
Aliphatic C21-C28	13.777	17.448	3007393595	21000	400	ug/ml
Aliphatic C28-C40	17.449	22.459	406205547	2950	600	ug/ml
Aliphatic EPH	3.313	22.459	19946520519	141000		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	3.313	17.448	19540314972	138000	1200	ug/ml