

Report of Analysis

Client:	PSEG	Date Collected:	06/10/25
Project:	Lawrenceville HQ	Date Received:	06/10/25
Client Sample ID:	LAW-25-0082-LAW-250083	SDG No.:	Q2286
Lab Sample ID:	Q2286-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.1
Sample Wt/Vol:	10.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
06/11/25 10:05	06/12/25 16:11	PB168413

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	433		10	37.9	64.3	mg/kg	FE054342.D
Aliphatic C9-C28	Aliphatic C9-C28	50600		500	1460	6430	mg/kg	FE054343.D
Total AliphaticEPH	Total AliphaticEPH	51000			1500	6490	mg/kg	
Total EPH	Total EPH	51000			1500	6490	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
FE054321.D	1	06/11/25	06/11/25	PB168413

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	44500	E	2.92	12.9	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	374	E	3.79	6.43	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:	Q2286-01	Acq On:	11 Jun 2025 21:53
Client Sample ID:	LAW-25-0082-LAW-25008	Operator:	YP\AJ
Data file:	FE054321.D	Misc:	
Instrument:	FID_E	ALS Vial:	19
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.078	6.723	23131820	184.677	300	ug/ml
Aliphatic C12-C16	6.724	10.169	2538514908	19400	200	ug/ml
Aliphatic C16-C21	10.170	13.542	20402888519	152000	300	ug/ml
Aliphatic C21-C28	13.543	17.208	4519149198	35600	400	ug/ml
Aliphatic C28-C40	17.209	22.074	223990036	1750	600	ug/ml
Aliphatic EPH	3.078	22.074	27707674481	209000		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	3.078	17.208	27483684445	207000	1200	ug/ml