

Report of Analysis

Client:	PSEG	Date Collected:	07/08/25
Project:	Lawrenceville HQ	Date Received:	07/08/25
Client Sample ID:	LAW-25-0101	SDG No.:	Q2526
Lab Sample ID:	Q2526-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	5.09	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
07/09/25 09:30	07/09/25 18:56	PB168768

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	85.0		1	6.95	11.8	mg/kg FE054765.D
Aliphatic C9-C28	Aliphatic C9-C28	1150		10	53.6	236	mg/kg FE054776.D
Total AliphaticEPH	Total AliphaticEPH	1240			60.5	248	mg/kg
Total EPH	Total EPH	1240			60.5	248	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
FE054765.D	1	07/09/25	07/09/25	PB168768

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	1130	E	5.36	23.6	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	85.0		6.95	11.8	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	31.5		40 - 140	63%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	39.2		40 - 140	78%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2526-01	Acq On:	09 Jul 2025 18:56
Client Sample ID:	LAW-25-0101	Operator:	YP\AJ
Data file:	FE054765.D	Misc:	
Instrument:	FID_E	ALS Vial:	20
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.321	6.954	542764	3.989	300	ug/ml
Aliphatic C12-C16	6.955	10.406	39256364	279.269	200	ug/ml
Aliphatic C16-C21	10.407	13.784	279473739	1940	300	ug/ml
Aliphatic C21-C28	13.785	17.454	96800375	669.196	400	ug/ml
Aliphatic C28-C40	17.455	22.477	30010069	216.449	600	ug/ml
Aliphatic EPH	3.321	22.477	446083311	3100		ug/ml
ortho-Terphenyl (SURR)	12.085	12.085	6358929	39.16		ug/ml
1-chlorooctadecane (SURR)	13.521	13.521	3983931	31.54		ug/ml
Aliphatic C9-C28	3.321	17.454	416073242	2890	1200	ug/ml