

Report of Analysis

Client:	PSEG	Date Collected:	09/10/25
Project:	Lawrenceville HQ	Date Received:	09/10/25
Client Sample ID:	LAW-25-0137	SDG No.:	Q3077
Lab Sample ID:	Q3077-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	5.03	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 12:18	PB169650

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	298		2	14.1	23.9	mg/kg FE055797.D
Aliphatic C9-C28	Aliphatic C9-C28	240		1	5.43	23.9	mg/kg FE055782.D
Total AliphaticEPH	Total AliphaticEPH	538			19.5	47.8	mg/kg
Total EPH	Total EPH	538			19.5	47.8	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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Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE055782.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	240		5.43	23.9	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	297	E	7.04	11.9	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	34.6		40 - 140	69%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	33.2		40 - 140	66%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3077-01	Acq On:	11 Sep 2025 21:45
Client Sample ID:	LAW-25-0137	Operator:	YP\AJ
Data file:	FE055782.D	Misc:	
Instrument:	FID_E	ALS Vial:	23
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.313	6.946	6508435	50.687	300	ug/ml
Aliphatic C12-C16	6.947	10.398	31320265	231.838	200	ug/ml
Aliphatic C16-C21	10.399	13.776	26129323	181.18	300	ug/ml
Aliphatic C21-C28	13.777	17.448	19975097	139.456	400	ug/ml
Aliphatic C28-C40	17.449	22.459	102887395	747.078	600	ug/ml
Aliphatic EPH	3.313	22.459	186820515	1350		ug/ml
ortho-Terphenyl (SURR)	12.074	12.074	5453896	33.2		ug/ml
1-chlorooctadecane (SURR)	13.511	13.511	4324985	34.59		ug/ml
Aliphatic C9-C28	3.313	17.448	83933120	603.161	1200	ug/ml