

Report of Analysis

Client:	PSEG	Date Collected:	05/21/25
Project:	Lawrenceville HQ	Date Received:	05/21/25
Client Sample ID:	LAW-25-0077-E2	SDG No.:	Q2102
Lab Sample ID:	Q2102-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.9
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
05/22/25 09:30	05/23/25 10:54	PB168127

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	200		10	13.4	22.7	mg/kg FE053994.D
Aliphatic C9-C28	Aliphatic C9-C28	19500		500	517	2270	mg/kg FE053995.D
Total AliphaticEPH	Total AliphaticEPH	19700			530	2290	mg/kg
Total EPH	Total EPH	19700			530	2290	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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File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE053984.D	1	05/22/25	05/22/25	PB168127

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	16600	E	1.03	4.56	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	202	E	1.34	2.27	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:	Q2102-02	Acq On:	22 May 2025 19:42
Client Sample ID:	LAW-25-0077-E2	Operator:	YP\AJ
Data file:	FE053984.D	Misc:	
Instrument:	FID_E	ALS Vial:	18
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.094	6.735	10052752	74.155	300	ug/ml
Aliphatic C12-C16	6.736	10.183	2870800909	21300	200	ug/ml
Aliphatic C16-C21	10.184	13.557	18803318603	143000	300	ug/ml
Aliphatic C21-C28	13.558	17.224	6847886320	55100	400	ug/ml
Aliphatic C28-C40	17.225	22.098	308903583	2680	600	ug/ml
Aliphatic EPH	3.094	22.098	28840962167	222000		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	3.094	17.224	28532058584	219000	1200	ug/ml