

Report of Analysis

Client:	PSEG	Date Collected:	04/14/25
Project:	Lawrenceville HQ	Date Received:	04/14/25
Client Sample ID:	LAW-25-0060	SDG No.:	Q1808
Lab Sample ID:	Q1808-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	75.8
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
04/15/25 09:03	04/15/25 17:12	PB167597

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	29.8		1	1.56	2.64	mg/kg	FE053375.D
Aliphatic C9-C28	Aliphatic C9-C28	279		5	6.00	26.4	mg/kg	FE053382.D
Total AliphaticEPH	Total AliphaticEPH	309			7.55	29.0	mg/kg	
Total EPH	Total EPH	309			7.55	29.0	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
FE053375.D	1	04/15/25	04/15/25	PB167597

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	262	E	1.20	5.28	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	29.8		1.56	2.64	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	42.6		40 - 140	85%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	42.1		40 - 140	84%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1808-03	Acq On:	15 Apr 2025 17:12
Client Sample ID:	LAW-25-0060	Operator:	YP\AJ
Data file:	FE053375.D	Misc:	
Instrument:	FID_E	ALS Vial:	15
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.136	6.780	1292797	8.285	300	ug/ml
Aliphatic C12-C16	6.781	10.233	3069259	19.978	200	ug/ml
Aliphatic C16-C21	10.234	13.612	215658282	1490	300	ug/ml
Aliphatic C21-C28	13.613	17.286	197332137	1470	400	ug/ml
Aliphatic C28-C40	17.287	22.197	42206870	339.675	600	ug/ml
Aliphatic EPH	3.136	22.197	459559345	3330		ug/ml
ortho-Terphenyl (SURR)	11.898	11.898	6853024	42.07		ug/ml
1-chlorooctadecane (SURR)	13.347	13.347	5111801	42.58		ug/ml
Aliphatic C9-C28	3.136	17.286	417352475	2990	1200	ug/ml