

Report of Analysis

Client:	PSEG	Date Collected:	06/23/25
Project:	Lawrenceville HQ	Date Received:	06/23/25
Client Sample ID:	Concrete-062325	SDG No.:	Q2403
Lab Sample ID:	Q2403-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	97.4
Sample Wt/Vol:	30.04 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
06/25/25 09:15	06/25/25 20:23	PB168609

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	5.96		1	1.21	2.05	mg/kg	FE054585.D
Aliphatic C9-C28	Aliphatic C9-C28	11.8		1	0.93	4.11	mg/kg	FE054585.D
Total AliphaticEPH	Total AliphaticEPH	17.7			2.14	6.16	mg/kg	
Total EPH	Total EPH	17.7			2.14	6.16	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
FE054585.D	1	06/25/25	06/25/25	PB168609

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	11.8		0.93	4.11	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	5.96		1.21	2.05	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	35.3		40 - 140	71%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	34.4		40 - 140	69%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2403-05	Acq On:	25 Jun 2025 20:23
Client Sample ID:	Concrete-062325	Operator:	YP\AJ
Data file:	FE054585.D	Misc:	
Instrument:	FID_E	ALS Vial:	17
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.071	6.716	1805910	14.418	300	ug/ml
Aliphatic C12-C16	6.717	10.163	4672039	35.623	200	ug/ml
Aliphatic C16-C21	10.164	13.535	15182407	113.364	300	ug/ml
Aliphatic C21-C28	13.536	17.204	1132782	8.915	400	ug/ml
Aliphatic C28-C40	17.205	22.072	11181204	87.186	600	ug/ml
Aliphatic EPH	3.071	22.072	33974342	259.506		ug/ml
ortho-Terphenyl (SURR)	11.823	11.823	5684945	34.41		ug/ml
1-chlorooctadecane (SURR)	13.267	13.267	4304251	35.3		ug/ml
Aliphatic C9-C28	3.071	17.204	22793138	172.32	1200	ug/ml