

Report of Analysis

Client:	PSEG	Date Collected:	06/27/25
Project:	Lawrenceville HQ	Date Received:	06/27/25
Client Sample ID:	COMP-1	SDG No.:	Q2447
Lab Sample ID:	Q2447-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	86.3
Sample Wt/Vol:	30.01	Units:	g
Soil Aliquot Vol:			uL
Prep Method :		Final Vol:	2000
		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
06/30/25 08:50	06/30/25 15:53	PB168656

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	17.1		1	1.37	2.32	mg/kg FE054629.D
Aliphatic C9-C28	Aliphatic C9-C28	142		5	5.27	23.2	mg/kg FE054648.D
Total AliphaticEPH	Total AliphaticEPH	159			6.64	25.5	mg/kg
Total EPH	Total EPH	159			6.64	25.5	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:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE054629.D	1	06/30/25	06/30/25	PB168656

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	144	E	1.05	4.63	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	17.1		1.37	2.32	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	36.4		40 - 140	73%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	39.9		40 - 140	80%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2447-01	Acq On:	30 Jun 2025 15:53
Client Sample ID:	COMP-1	Operator:	YP\AJ
Data file:	FE054629.D	Misc:	
Instrument:	FID_E	ALS Vial:	12
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.322	6.949	4687659	34.454	300	ug/ml
Aliphatic C12-C16	6.950	10.397	25331938	180.211	200	ug/ml
Aliphatic C16-C21	10.398	13.771	170983298	1180	300	ug/ml
Aliphatic C21-C28	13.772	17.439	68217186	471.596	400	ug/ml
Aliphatic C28-C40	17.440	22.445	30696702	221.401	600	ug/ml
Aliphatic EPH	3.322	22.445	299916783	2090		ug/ml
ortho-Terphenyl (SURR)	12.072	12.072	6474599	39.87		ug/ml
1-chlorooctadecane (SURR)	13.508	13.508	4600049	36.42		ug/ml
Aliphatic C9-C28	3.322	17.439	269220081	1870	1200	ug/ml