

Report of Analysis

Client:	PSEG	Date Collected:	
Project:	Lawrenceville HQ	Date Received:	
Client Sample ID:	PB168413BSD	SDG No.:	Q2286
Lab Sample ID:	PB168413BSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
06/11/25 10:05	06/11/25 16:21	PB168413

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	18.0		1	1.18	2.00	mg/kg	FE054310.D
Aliphatic C9-C28	Aliphatic C9-C28	79.6		1	0.91	3.99	mg/kg	FE054310.D
Total AliphaticEPH	Total AliphaticEPH	97.6			2.09	5.99	mg/kg	
Total EPH	Total EPH	97.6			2.09	5.99	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
FE054310.D	1	06/11/25	06/11/25	PB168413

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	79.6		0.91	3.99	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	18.0		1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	45.7		40 - 140	91%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	41.8		40 - 140	84%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB168413BSD	Acq On:	11 Jun 2025 16:21
Client Sample ID:	PB168413BSD	Operator:	YP\AJ
Data file:	FE054310.D	Misc:	
Instrument:	FID_E	ALS Vial:	8
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.078	6.723	28508569	227.604	300	ug/ml
Aliphatic C12-C16	6.724	10.169	35035511	267.137	200	ug/ml
Aliphatic C16-C21	10.170	13.542	40831231	304.879	300	ug/ml
Aliphatic C21-C28	13.543	17.208	50207886	395.124	400	ug/ml
Aliphatic C28-C40	17.209	22.074	34553496	269.433	600	ug/ml
Aliphatic EPH	3.078	22.074	189136693	1460		ug/ml
ortho-Terphenyl (SURR)	11.833	11.833	6901975	41.77		ug/ml
1-chlorooctadecane (SURR)	13.276	13.276	5575622	45.72		ug/ml
Aliphatic C9-C28	3.078	17.208	154583197	1190	1200	ug/ml