

Report of Analysis

Client:	PSEG	Date Collected:	
Project:	Lawrenceville HQ	Date Received:	
Client Sample ID:	PB168413BS	SDG No.:	Q2286
Lab Sample ID:	PB168413BS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:			uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
06/11/25 10:05	06/11/25 15:51	PB168413

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	17.4		1	1.18	2.00	mg/kg	FE054309.D
Aliphatic C9-C28	Aliphatic C9-C28	80.6	E	1	0.91	3.99	mg/kg	FE054309.D
Total AliphaticEPH	Total AliphaticEPH	98.0			2.09	5.99	mg/kg	
Total EPH	Total EPH	98.0			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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Client Sample ID:	PB168413BS	SDG No.:	Q2286
Lab Sample ID:	PB168413BS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE054309.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	80.6	E	0.91	3.99	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	17.4		1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	44.0		40 - 140	88%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	40.9		40 - 140	82%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB168413BS	Acq On:	11 Jun 2025 15:51
Client Sample ID:	PB168413BS	Operator:	YP\AJ
Data file:	FE054309.D	Misc:	
Instrument:	FID_E	ALS Vial:	7
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.078	6.723	28196582	225.113	300	ug/ml
Aliphatic C12-C16	6.724	10.169	34518281	263.194	200	ug/ml
Aliphatic C16-C21	10.170	13.542	44969955	335.782	300	ug/ml
Aliphatic C21-C28	13.543	17.208	49125650	386.607	400	ug/ml
Aliphatic C28-C40	17.209	22.074	33535123	261.492	600	ug/ml
Aliphatic EPH	3.078	22.074	190345591	1470		ug/ml
ortho-Terphenyl (SURR)	11.832	11.832	6759621	40.91		ug/ml
1-chlorooctadecane (SURR)	13.275	13.275	5370829	44.04		ug/ml
Aliphatic C9-C28	3.078	17.208	156810468	1210	1200	ug/ml