

Report of Analysis

Client:	PSEG	Date Collected:	
Project:	Franklin Sub	Date Received:	
Client Sample ID:	PB169207BS	SDG No.:	Q2830
Lab Sample ID:	PB169207BS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.01	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
08/12/25 08:45	08/12/25 21:08	PB169207

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	21.6		1	1.18	2.00	mg/kg	FC069645.D
Aliphatic C9-C28	Aliphatic C9-C28	54.7		1	0.91	4.00	mg/kg	FC069645.D

* 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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Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.01	Units:	g
Soil Aliquot Vol:			uL
Prep Method :		Test:	EPH_NF

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC069645.D	1	08/12/25	08/12/25	PB169207

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	54.7		0.91	4.00	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	21.6		1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	35.0		40 - 140	70%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	32.9		40 - 140	66%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB169207BS	Acq On:	12 Aug 2025 21:08
Client Sample ID:	PB169207BS	Operator:	YP/AJ
Data file:	FC069645.D	Misc:	
Instrument:	FID_C	ALS Vial:	19
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.296	6.594	20618159	142.509	300	ug/ml
Aliphatic C12-C16	6.595	9.998	27575514	192.251	200	ug/ml
Aliphatic C16-C21	9.999	13.367	29064386	217.611	300	ug/ml
Aliphatic C21-C28	13.368	17.032	31693756	267.892	400	ug/ml
Aliphatic C28-C40	17.033	22.008	30957145	324.787	600	ug/ml
Aliphatic EPH	3.296	22.008	139908960	1150		ug/ml
ortho-Terphenyl (SURR)	11.665	11.665	4914195	32.94		ug/ml
1-chlorooctadecane (SURR)	13.100	13.100	3814315	34.99		ug/ml
Aliphatic C9-C28	3.296	17.032	108951815	820.263	1200	ug/ml