

Report of Analysis

Client:	PSEG	Date Collected:	
Project:	PSEG Deans Switching Station	Date Received:	
Client Sample ID:	PB170341BSD	SDG No.:	Q3496
Lab Sample ID:	PB170341BSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.03 g	Test:	EPH_NF
Prep Method :		Final Vol:	2000 uL
		Prep Date :	10/31/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	30.3		1	1.18	2.00	mg/kg	FC070107.D	10/31/25 17:25	PB170341
Aliphatic C9-C28	Aliphatic C9-C28	73.8		1	0.91	3.99	mg/kg	FC070107.D	10/31/25 17:25	PB170341
Total AliphaticEPH	Total AliphaticEPH	104			2.09	5.99	mg/kg			
Total EPH	Total EPH	104			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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CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	73.8	1		0.91	3.99	mg/kg	10/31/25	PB170341
Aliphatic C28-C40	Aliphatic C28-C40	30.3	1		1.18	2.00	mg/kg	10/31/25	PB170341
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	41.9			40 - 140	84%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	40.3			40 - 140	81%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB170341BSD	Acq On:	31 Oct 2025 17:25
Client Sample ID:	PB170341BSD	Operator:	YP/AJ
Data file:	FC070107.D	Misc:	
Instrument:	FID_C	ALS Vial:	13
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.281	6.574	29726153	205.312	300	ug/ml
Aliphatic C12-C16	6.575	9.976	41888819	255.759	200	ug/ml
Aliphatic C16-C21	9.977	13.346	47025928	290.381	300	ug/ml
Aliphatic C21-C28	13.347	17.012	52627833	357.666	400	ug/ml
Aliphatic C28-C40	17.013	21.974	48968565	455.099	600	ug/ml
Aliphatic EPH	3.281	21.974	220237298	1560		ug/ml
ortho-Terphenyl (SURR)	11.646	11.646	7070552	40.26		ug/ml
1-chlorooctadecane (SURR)	13.080	13.080	5689537	41.91		ug/ml
Aliphatic C9-C28	3.281	17.012	171268733	1110	1200	ug/ml