284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	PSEG	Date Collected:	
Project:	PSEG Deans Switching Station	Date Received:	
Client Sample ID:	PB170341BS	SDG No.:	Q3496
Lab Sample ID:	PB170341BS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.02 g	Final Vol: 2000 uL	Test: EPH_NF
Prep Method :		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	33.0		1	1.18	2.00	mg/kg	FC070106.D	10/31/25 16:43	PB170341
Aliphatic C9-C28	Aliphatic C9-C28	79.8		1	0.91	3.99	mg/kg	FC070106.D	10/31/25 16:43	PB170341
Total AliphaticEPH	Total AliphaticEPH	113			2.09	5.99	mg/kg			
Total EPH	Total EPH	113			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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Total EPH	Total EPH	113			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.

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Lab Sample ID:	PB170341BS			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	100
Sample Wt/Vol:	30.02 g	Final Vol:	2000 uL	Test:	EPH_NF
Prep Method :		Prep Date	10/31/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	79.8		1	0.91	3.99	mg/kg	10/31/25	PB170341
Aliphatic C28-C40	Aliphatic C28-C40	33.0		1	1.18	2.00	mg/kg	10/31/25	PB170341
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	45.9			40 - 140	92%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	43.9			40 - 140	88%	SPK: 50		

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB170341BS	Acq On:	31 Oct 2025 16:43
Client Sample ID:	PB170341BS	Operator:	YP/AJ
Data file:	FC070106.D	Misc:	
Instrument:	FID_C	ALS Vial:	12
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.281	6.574	31673836	218.764	300	ug/ml
Aliphatic C12-C16	6.575	9.976	45277989	276.452	200	ug/ml
Aliphatic C16-C21	9.977	13.346	51190700	316.098	300	ug/ml
Aliphatic C21-C28	13.347	17.012	56760830	385.755	400	ug/ml
Aliphatic C28-C40	17.013	21.974	53348744	495.807	600	ug/ml
Aliphatic EPH	3.281	21.974	238252099	1690		ug/ml
ortho-Terphenyl (SURR)	11.646	11.646	7704566	43.87		ug/ml
1-chlorooctadecane (SURR)	13.081	13.081	6227121	45.87		ug/ml
Aliphatic C9-C28	3.281	17.012	184903355	1200	1200	ug/ml