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

Report of Analysis

Client:	PSEG			Date Collected:	11/05/25
Project:	Gloucester Substation			Date Received:	11/05/25
Client Sample ID:	TP-2-EPH-7			SDG No.:	Q3546
Lab Sample ID:	Q3546-08			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	94.9
Sample Wt/Vol:	30.06 g	Final Vol:	2000 uL	Test:	EPH_NF
Prep Method :		Prep Date :	11/06/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	29.4		1	1.24	2.10	mg/kg	FE056702.D	11/06/25 19:40	PB170423
Aliphatic C9-C28	Aliphatic C9-C28	5.66		1	0.96	4.20	mg/kg	FE056702.D	11/06/25 19:40	PB170423
Total AliphaticEPH	Total AliphaticEPH	35.1			2.20	6.30	mg/kg			
Total EPH	Total EPH	35.1			2.20	6.30	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 :		Prep Date	11/06/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	5.66		1	0.96	4.20	mg/kg	11/06/25	PB170423
Aliphatic C28-C40	Aliphatic C28-C40	29.4		1	1.24	2.10	mg/kg	11/06/25	PB170423
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	43.7			40 - 140	87%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	42.6			40 - 140	85%	SPK: 50		

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3546-08	Acq On:	06 Nov 2025 19:40
Client Sample ID:	TP-2-EPH-7	Operator:	YP\AJ
Data file:	FE056702.D	Misc:	
Instrument:	FID_E	ALS Vial:	26
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.221	6.847	934313	5.459	300	ug/ml
Aliphatic C12-C16	6.848	10.296	896160	5.013	200	ug/ml
Aliphatic C16-C21	10.297	13.673	10616949	56.926	300	ug/ml
Aliphatic C21-C28	13.674	17.343	2563265	13.297	400	ug/ml
Aliphatic C28-C40	17.344	22.292	66914252	420.013	600	ug/ml
Aliphatic EPH	3.221	22.292	81924939	500.708		ug/ml
ortho-Terphenyl (SURR)	11.966	11.966	8899148	42.6		ug/ml
1-chlorooctadecane (SURR)	13.404	13.404	7039718	43.69		ug/ml
Aliphatic C9-C28	3.221	17.343	15010687	80.695	1200	ug/ml