

Report of Analysis

Client:	PSEG	Date Collected:	12/02/25
Project:	PSEG- Moorestown HQ	Date Received:	12/02/25
Client Sample ID:	AR520-0002	SDG No.:	Q3753
Lab Sample ID:	Q3753-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89
Sample Wt/Vol:	30.05 g	Test:	EPH_NF
Prep Method :		Final Vol:	2000 uL
		Prep Date :	12/04/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
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TARGETS

Aliphatic C28-C40	Aliphatic C28-C40	13.9		1	1.32	2.24	mg/kg	FE057169.D	12/04/25 18:40	PB170824
Aliphatic C9-C28	Aliphatic C9-C28	923		20	20.4	89.7	mg/kg	FE057199.D	12/05/25 18:06	PB170824
Total AliphaticEPH	Total AliphaticEPH	937			21.8	91.9	mg/kg			
Total EPH	Total EPH	937			21.8	91.9	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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Sample Wt/Vol:	30.05 g	Final Vol:	2000 uL
Prep Method :		Prep Date	12/04/25
		Test:	EPH_NF

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	995	E	1	1.02	4.49	mg/kg	12/04/25	PB170824
Aliphatic C28-C40	Aliphatic C28-C40	13.9		1	1.32	2.24	mg/kg	12/04/25	PB170824
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	25.2			40 - 140	50%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	40.9			40 - 140	82%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3753-04	Acq On:	04 Dec 2025 18:40
Client Sample ID:	AR520-0002	Operator:	YP\AJ
Data file:	FE057169.D	Misc:	
Instrument:	FID_E	ALS Vial:	19
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.194	6.819	796184	3.968	300	ug/ml
Aliphatic C12-C16	6.820	10.265	469774688	2310	200	ug/ml
Aliphatic C16-C21	10.266	13.639	1686695083	8510	300	ug/ml
Aliphatic C21-C28	13.640	17.309	499558682	2510	400	ug/ml
Aliphatic C28-C40	17.310	22.235	37175096	185.969	600	ug/ml
Aliphatic EPH	3.194	22.235	2693999733	13500		ug/ml
ortho-Terphenyl (SURR)	11.953	11.953	8977317	40.91		ug/ml
1-chlorooctadecane (SURR)	13.389	13.389	4192912	25.19		ug/ml
Aliphatic C9-C28	3.194	17.309	2656824637	13300	1200	ug/ml