

Report of Analysis

Client:	PSEG	Date Collected:	11/13/25
Project:	PSEG- Moorestown HQ	Date Received:	11/13/25
Client Sample ID:	MOO-25-0328	SDG No.:	Q3638
Lab Sample ID:	Q3638-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	94.3
Sample Wt/Vol:	30.02 g	Test:	EPH_NF
Prep Method :		Final Vol:	2000 uL
		Prep Date :	11/17/25

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	125		10	12.5	21.2	mg/kg	FE056897.D	11/18/25 12:17	PB170578
Aliphatic C9-C28	Aliphatic C9-C28	438		10	9.65	42.4	mg/kg	FE056897.D	11/18/25 12:17	PB170578
Total AliphaticEPH	Total AliphaticEPH	563			22.1	63.6	mg/kg			
Total EPH	Total EPH	563			22.1	63.6	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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		Test:	EPH_NF

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	611	E	1	0.97	4.24	mg/kg	11/17/25	PB170578
Aliphatic C28-C40	Aliphatic C28-C40	198	E	1	1.25	2.12	mg/kg	11/17/25	PB170578
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	34.8			40 - 140	70%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	36.2			40 - 140	72%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3638-03	Acq On:	17 Nov 2025 16:40
Client Sample ID:	MOO-25-0328	Operator:	YP\AJ
Data file:	FE056874.D	Misc:	
Instrument:	FID_E	ALS Vial:	17
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.213	6.836	1839709	10.748	300	ug/ml
Aliphatic C12-C16	6.837	10.281	5106675	28.568	200	ug/ml
Aliphatic C16-C21	10.282	13.655	155112652	831.679	300	ug/ml
Aliphatic C21-C28	13.656	17.323	1499259188	7780	400	ug/ml
Aliphatic C28-C40	17.324	22.257	448494169	2820	600	ug/ml
Aliphatic EPH	3.213	22.257	2109812393	11500		ug/ml
ortho-Terphenyl (SURR)	11.951	11.951	7565175	36.21		ug/ml
1-chlorooctadecane (SURR)	13.395	13.395	5600844	34.76		ug/ml
Aliphatic C9-C28	3.213	17.323	1661318224	8650	1200	ug/ml