

Report of Analysis

Client:	PSEG	Date Collected:	11/19/25
Project:	PSEG Fairlawn Switching Station	Date Received:	11/19/25
Client Sample ID:	FAIRLAWN-GRAVEL	SDG No.:	Q3686
Lab Sample ID:	Q3686-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.01 g	Test:	EPH_NF
Prep Method :	Final Vol: 2000 uL Prep Date : 11/20/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	14.7		1	1.18	2.00	mg/kg	FE056969.D	11/20/25 19:35	PB170649
Aliphatic C9-C28	Aliphatic C9-C28	988		20	18.2	80.0	mg/kg	FE056976.D	11/21/25 11:09	PB170649
Total AliphaticEPH	Total AliphaticEPH	1000			19.4	82.0	mg/kg			
Total EPH	Total EPH	1000			19.4	82.0	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:	30.01 g	Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF
		Prep Date	11/20/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	1040	E	1	0.91	4.00	mg/kg	11/20/25	PB170649
Aliphatic C28-C40	Aliphatic C28-C40	14.7		1	1.18	2.00	mg/kg	11/20/25	PB170649
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	31.8			40 - 140	64%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	40.3			40 - 140	81%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3686-01	Acq On:	20 Nov 2025 19:35
Client Sample ID:	FAIRLAWN-GRAVEL	Operator:	YP\AJ
Data file:	FE056969.D	Misc:	
Instrument:	FID_E	ALS Vial:	23
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.212	6.835	762358	4.454	300	ug/ml
Aliphatic C12-C16	6.836	10.280	105234667	588.711	200	ug/ml
Aliphatic C16-C21	10.281	13.654	1763785328	9460	300	ug/ml
Aliphatic C21-C28	13.655	17.324	1059919109	5500	400	ug/ml
Aliphatic C28-C40	17.325	22.258	35066115	220.106	600	ug/ml
Aliphatic EPH	3.212	22.258	2964767577	15800		ug/ml
ortho-Terphenyl (SURR)	11.964	11.964	8413544	40.27		ug/ml
1-chlorooctadecane (SURR)	13.410	13.410	5116587	31.76		ug/ml
Aliphatic C9-C28	3.212	17.324	2929701462	15500	1200	ug/ml