

Report of Analysis

Client:	PSEG	Date Collected:	10/30/25
Project:	PSEG Deans Switching Station	Date Received:	10/30/25
Client Sample ID:	DRILL-CUTTINGS-E2	SDG No.:	Q3496
Lab Sample ID:	Q3496-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	85.6
Sample Wt/Vol:	30.01 g	Test:	EPH_NF
Prep Method :	Final Vol: 2000 uL 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	4.27		1	1.38	2.34	mg/kg	FE056613.D	10/31/25 16:29	PB170341
Aliphatic C9-C28	Aliphatic C9-C28	1.80	J	1	1.06	4.68	mg/kg	FE056613.D	10/31/25 16:29	PB170341
Total AliphaticEPH	Total AliphaticEPH	6.07	J		2.44	7.02	mg/kg			
Total EPH	Total EPH	6.07	J		2.44	7.02	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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CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	1.80	J	1	1.06	4.68	mg/kg	10/31/25	PB170341
Aliphatic C28-C40	Aliphatic C28-C40	4.27		1	1.38	2.34	mg/kg	10/31/25	PB170341
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	46.4			40 - 140	93%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	39.7			40 - 140	79%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3496-02	Acq On:	31 Oct 2025 16:29
Client Sample ID:	DRILL-CUTTINGS-E2	Operator:	YP\AJ
Data file:	FE056613.D	Misc:	
Instrument:	FID_E	ALS Vial:	12
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.227	6.853	164684	0.962	300	ug/ml
Aliphatic C12-C16	6.854	10.303	988051	5.527	200	ug/ml
Aliphatic C16-C21	10.304	13.679	942105	5.051	300	ug/ml
Aliphatic C21-C28	13.680	17.352	2419256	12.55	400	ug/ml
Aliphatic C28-C40	17.353	22.305	8731784	54.808	600	ug/ml
Aliphatic EPH	3.227	22.305	13245880	78.9		ug/ml
ortho-Terphenyl (SURR)	11.973	11.973	8290707	39.69		ug/ml
1-chlorooctadecane (SURR)	13.412	13.412	7476124	46.4		ug/ml
Aliphatic C9-C28	3.227	17.352	4514096	24.09	1200	ug/ml