

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	SDG No.:	Q3496
Lab Sample ID:	Q3496-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	86.1
Sample Wt/Vol:	30.08 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	6.61		1	1.37	2.32	mg/kg	FC070108.D	10/31/25 18:08	PB170341
Aliphatic C9-C28	Aliphatic C9-C28	1.96	J	1	1.05	4.63	mg/kg	FC070108.D	10/31/25 18:08	PB170341
Total AliphaticEPH	Total AliphaticEPH	8.57			2.42	6.95	mg/kg			
Total EPH	Total EPH	8.57			2.42	6.95	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

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	SDG No.:	Q3496
Lab Sample ID:	Q3496-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	86.1
Sample Wt/Vol:	30.08 g	Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF
		Prep Date	10/31/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	1.96	J	1	1.05	4.63	mg/kg	10/31/25	PB170341
Aliphatic C28-C40	Aliphatic C28-C40	6.61		1	1.37	2.32	mg/kg	10/31/25	PB170341
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	32.7			40 - 140	65%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	29.9			40 - 140	60%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3496-01	Acq On:	31 Oct 2025 18:08
Client Sample ID:	DRILL-CUTTINGS	Operator:	YP/AJ
Data file:	FC070108.D	Misc:	
Instrument:	FID_C	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.281	6.574	492394	3.401	300	ug/ml
Aliphatic C12-C16	6.575	9.976	944438	5.766	200	ug/ml
Aliphatic C16-C21	9.977	13.346	816092	5.039	300	ug/ml
Aliphatic C21-C28	13.347	17.012	1647385	11.196	400	ug/ml
Aliphatic C28-C40	17.013	21.974	9207725	85.574	600	ug/ml
Aliphatic EPH	3.281	21.974	13108034	110.976		ug/ml
ortho-Terphenyl (SURR)	11.643	11.643	5246099	29.87		ug/ml
1-chlorooctadecane (SURR)	13.080	13.080	4442814	32.73		ug/ml
Aliphatic C9-C28	3.281	17.012	3900309	25.402	1200	ug/ml