

## Report of Analysis

Client:	PSEG	Date Collected:	
Project:	PSEG Deans Switching Station	Date Received:	
Client Sample ID:	DRILL-CUTTINGSMS	SDG No.:	Q3496
Lab Sample ID:	Q3496-01MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	86.1
Sample Wt/Vol:	30.02 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
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### TARGETS

Total AliphaticEPH	Total AliphaticEPH	119			2.43	6.96	mg/kg			
Total EPH	Total EPH	119			2.43	6.96	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
<b>TARGETS</b>									
Aliphatic C9-C28	Aliphatic C9-C28	73.8	1		1.06	4.64	mg/kg	10/31/25	PB170341
Aliphatic C28-C40	Aliphatic C28-C40	45.0	1		1.37	2.32	mg/kg	10/31/25	PB170341
<b>SURROGATES</b>									
3383-33-2	1-chlorooctadecane (SURR)	33.9			40 - 140	68%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	30.7			40 - 140	61%	SPK: 50		

## Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3496-01MS	Acq On:	31 Oct 2025 19:32
Client Sample ID:	Q3496-01MS	Operator:	YP/AJ
Data file:	FC070110.D	Misc:	
Instrument:	FID_C	ALS Vial:	16
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.281	6.574	22705990	156.825	300	ug/ml
Aliphatic C12-C16	6.575	9.976	36349413	221.937	200	ug/ml
Aliphatic C16-C21	9.977	13.346	41298706	255.016	300	ug/ml
Aliphatic C21-C28	13.347	17.012	47217075	320.894	400	ug/ml
Aliphatic C28-C40	17.013	21.974	62564795	581.458	600	ug/ml
Aliphatic EPH	3.281	21.974	210135979	1540		ug/ml
ortho-Terphenyl (SURR)	11.644	11.644	5385613	30.67		ug/ml
1-chlorooctadecane (SURR)	13.079	13.079	4606096	33.93		ug/ml
Aliphatic C9-C28	3.281	17.012	147571184	954.672	1200	ug/ml