

Report of Analysis

Client:	PSEG	Date Collected:	
Project:	Waldwick Switching Station	Date Received:	
Client Sample ID:	DRILL CUTTING 6-9 COMPMSD	SDG No.:	Q2870
Lab Sample ID:	Q2870-04MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.4
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
08/15/25 09:30	08/15/25 22:06	PB169265

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Total AliphaticEPH	Total AliphaticEPH	91.8			2.39	6.85	mg/kg
Total EPH	Total EPH	91.8			2.39	6.85	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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Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC069684.D	1	08/15/25	08/15/25	PB169265

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	59.9		1.04	4.56	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	31.9		1.35	2.29	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	32.1		40 - 140	64%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	30.6		40 - 140	61%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2870-04MSD	Acq On:	15 Aug 2025 22:06
Client Sample ID:	Q2870-04MSD	Operator:	YP/AJ
Data file:	FC069684.D	Misc:	
Instrument:	FID_C	ALS Vial:	19
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.295	6.590	18183121	125.679	300	ug/ml
Aliphatic C12-C16	6.591	9.994	25317096	176.505	200	ug/ml
Aliphatic C16-C21	9.995	13.363	27859358	208.589	300	ug/ml
Aliphatic C21-C28	13.364	17.027	32564434	275.252	400	ug/ml
Aliphatic C28-C40	17.028	21.999	39895040	418.559	600	ug/ml
Aliphatic EPH	3.295	21.999	143819049	1200		ug/ml
ortho-Terphenyl (SURR)	11.661	11.661	4565368	30.6		ug/ml
1-chlorooctadecane (SURR)	13.097	13.097	3495997	32.07		ug/ml
Aliphatic C9-C28	3.295	17.027	103924009	786.025	1200	ug/ml