

Report of Analysis

Client:	PSEG	Date Collected:	08/13/25
Project:	New Milford Sub	Date Received:	08/13/25
Client Sample ID:	DRILL CUTTING 1-3-EPH3	SDG No.:	Q2871
Lab Sample ID:	Q2871-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	79.7
Sample Wt/Vol:	30.06 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
08/18/25 08:35	08/18/25 21:23	PB169284

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	2.71		1	1.48	2.50	mg/kg	FC069701.D
Aliphatic C9-C28	Aliphatic C9-C28	1.79	J	1	1.14	5.00	mg/kg	FC069701.D
Total AliphaticEPH	Total AliphaticEPH	4.50	J		2.62	7.50	mg/kg	
Total EPH	Total EPH	4.50	J		2.62	7.50	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:	08/13/25
Project:	New Milford Sub	Date Received:	08/13/25
Client Sample ID:	DRILL CUTTING 1-3-EPH3	SDG No.:	Q2871
Lab Sample ID:	Q2871-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	79.7
Sample Wt/Vol:	30.06 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC069701.D	1	08/18/25	08/18/25	PB169284

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	1.79	J	1.14	5.00	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	2.71		1.48	2.50	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	33.7		40 - 140	67%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	32.3		40 - 140	65%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2871-03	Acq On:	18 Aug 2025 21:23
Client Sample ID:	DRILL CUTTING 1-3-EPH	Operator:	YP/AJ
Data file:	FC069701.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	3.296	6.591	390590	2.7	300	ug/ml
Aliphatic C12-C16	6.592	9.994	719373	5.015	200	ug/ml
Aliphatic C16-C21	9.995	13.363	675507	5.058	300	ug/ml
Aliphatic C21-C28	13.364	17.028	1027937	8.689	400	ug/ml
Aliphatic C28-C40	17.029	22.000	3094357	32.464	600	ug/ml
Aliphatic EPH	3.296	22.000	5907764	53.926		ug/ml
ortho-Terphenyl (SURR)	11.660	11.660	4816738	32.29		ug/ml
1-chlorooctadecane (SURR)	13.097	13.097	3670925	33.67		ug/ml
Aliphatic C9-C28	3.296	17.028	2813407	21.462	1200	ug/ml