284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

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 -EPH-2	SDG No.:	Q2871
Lab Sample ID:	Q2871-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	81.8
Sample Wt/Vol:	30.08 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 20:40	PB169284

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	3.19		1	1.44	2.44	mg/kg	FC069700.D
Aliphatic C9-C28	Aliphatic C9-C28	1.88	J	1	1.11	4.88	mg/kg	FC069700.D
Total AliphaticEPH	Total AliphaticEPH	5.07	J		2.55	7.32	mg/kg	
Total EPH	Total EPH	5.07	J		2.55	7.32	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
FC069700.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		1.88	J	1.11	4.88	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		3.19		1.44	2.44	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		37.8		40 - 140	76%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		35.9		40 - 140	72%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2871-02	Acq On:	18 Aug 2025 20:40
Client Sample ID:	DRILL CUTTING 1-3 -EPI	Operator:	YP/AJ
Data file:	FC069700.D	Misc:	
Instrument:	FID_C	ALS Vial:	18
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.296	6.591	487924	3.372	300	ug/ml
Aliphatic C12-C16	6.592	9.994	676445	4.716	200	ug/ml
Aliphatic C16-C21	9.995	13.363	739512	5.537	300	ug/ml
Aliphatic C21-C28	13.364	17.028	1125746	9.515	400	ug/ml
Aliphatic C28-C40	17.029	22.000	3745319	39.294	600	ug/ml
Aliphatic EPH	3.296	22.000	6774946	62.435		ug/ml
ortho-Terphenyl (SURR)	11.661	11.661	5360911	35.93		ug/ml
1-chlorooctadecane (SURR)	13.097	13.097	4118801	37.78		ug/ml
Aliphatic C9-C28	3.296	17.028	3029627	23.14	1200	ug/ml