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

Report of Analysis

Client:	PSEG	Date Collected:	
Project:	Waldwick Switching Station	Date Received:	
Client Sample ID:	DRILL CUTTING 6-9 COMPMS	SDG No.:	Q2870
Lab Sample ID:	Q2870-04MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.4
Sample Wt/Vol:	30.05 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 21:19	PB169265

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Total AliphaticEPH	Total AliphaticEPH	90.8			2.39	6.84	mg/kg
Total EPH	Total EPH	90.8			2.39	6.84	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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Report of Analysis

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Project:	Waldwick Switching Station		Date Received:		
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Analytical Method:	NJEPH		% Solid:	87.4	
Sample Wt/Vol:	30.05 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
FC069683.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	59.4		1.04	4.56	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	31.4		1.35	2.28	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	32.0		40 - 140	64%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	30.5		40 - 140	61%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2870-04MS	Acq On:	15 Aug 2025 21:19
Client Sample ID:	Q2870-04MS	Operator:	YP/AJ
Data file:	FC069683.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	3.295	6.590	18253287	126.164	300	ug/ml
Aliphatic C12-C16	6.591	9.994	25328186	176.583	200	ug/ml
Aliphatic C16-C21	9.995	13.363	27629623	206.869	300	ug/ml
Aliphatic C21-C28	13.364	17.027	32067509	271.051	400	ug/ml
Aliphatic C28-C40	17.028	21.999	39345125	412.79	600	ug/ml
Aliphatic EPH	3.295	21.999	142623730	1190		ug/ml
ortho-Terphenyl (SURR)	11.661	11.661	4555179	30.53		ug/ml
1-chlorooctadecane (SURR)	13.096	13.096	3487925	31.99		ug/ml
Aliphatic C9-C28	3.295	17.027	103278605	780.667	1200	ug/ml