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:	Waldwick Switching Station	Date Received:	08/13/25
Client Sample ID:	DRILL CUTTING 6-9 COMP-EPH-3	SDG No.:	Q2870
Lab Sample ID:	Q2870-06	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.5
Sample Wt/Vol:	30.09 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 23:30	PB169265

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	5.89		1	1.34	2.28	mg/kg	FE055342.D
Aliphatic C9-C28	Aliphatic C9-C28	2.92	J	1	1.04	4.56	mg/kg	FE055342.D
Total AliphaticEPH	Total AliphaticEPH	8.81			2.38	6.84	mg/kg	
Total EPH	Total EPH	8.81			2.38	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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Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE055342.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		2.92	J	1.04	4.56	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		5.89		1.34	2.28	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		38.9		40 - 140	78%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		37.9		40 - 140	76%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2870-06	Acq On:	15 Aug 2025 23:30
Client Sample ID:	DRILL CUTTING 6-9 CON	Operator:	YP\AJ
Data file:	FE055342.D	Misc:	
Instrument:	FID_E	ALS Vial:	29
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.321	6.954	476761	4.082	300	ug/ml
Aliphatic C12-C16	6.955	10.407	1038911	8.296	200	ug/ml
Aliphatic C16-C21	10.408	13.785	1915419	15.153	300	ug/ml
Aliphatic C21-C28	13.786	17.458	1312915	10.895	400	ug/ml
Aliphatic C28-C40	17.459	22.482	8836820	77.525	600	ug/ml
Aliphatic EPH	3.321	22.482	13580826	115.951		ug/ml
ortho-Terphenyl (SURR)	12.082	12.082	5404738	37.85		ug/ml
1-chlorooctadecane (SURR)	13.518	13.518	4184611	38.92		ug/ml
Aliphatic C9-C28	3.321	17.458	4744006	38.426	1200	ug/ml