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

Report of Analysis

Client:	PSEG	Date Collected:	08/29/25
Project:	Mountain Ave Substation	Date Received:	08/29/25
Client Sample ID:	SOUTH-TP-5-E2	SDG No.:	Q2989
Lab Sample ID:	Q2989-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	85.2
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
09/02/25 10:30	09/02/25 18:10	PB169491

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	4.16		1	1.38	2.35	mg/kg	FF016306.D
Aliphatic C9-C28	Aliphatic C9-C28	2.44	J	1	1.07	4.68	mg/kg	FF016306.D
Total AliphaticEPH	Total AliphaticEPH	6.60	J		2.45	7.03	mg/kg	
Total EPH	Total EPH	6.60	J		2.45	7.03	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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Soil Aliquot Vol:		uL	Test:	EPH_NF	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FF016306.D	1	09/02/25	09/02/25	PB169491

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		2.44	J	1.07	4.68	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		4.16		1.38	2.35	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		44.5		40 - 140	89%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		42.3		40 - 140	85%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2989-02	Acq On:	02 Sep 2025 18:10
Client Sample ID:	SOUTH-TP-5-E2	Operator:	YP\AJ
Data file:	FF016306.D	Misc:	
Instrument:	FID_F	ALS Vial:	28
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.221	6.863	546309	4.612	300	ug/ml
Aliphatic C12-C16	6.864	10.308	659537	5.375	200	ug/ml
Aliphatic C16-C21	10.304	13.681	1323075	10.327	300	ug/ml
Aliphatic C21-C28	13.682	17.352	1371230	10.917	400	ug/ml
Aliphatic C28-C40	17.353	22.315	5411602	53.224	600	ug/ml
Aliphatic EPH	3.221	22.315	9311753	84.455		ug/ml
ortho-Terphenyl (SURR)	11.978	11.978	6123025	42.34		ug/ml
1-chlorooctadecane (SURR)	13.418	13.418	4963117	44.49		ug/ml
Aliphatic C9-C28	3.221	17.352	3900151	31.231	1200	ug/ml