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

Report of Analysis

Client:	PSEG			Date Collected:	08/22/25
Project:	Branchburg Switch			Date Received:	08/22/25
Client Sample ID:	367-E2			SDG No.:	Q2949
Lab Sample ID:	Q2949-02			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	97.3
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
08/25/25 08:20	08/25/25 17:50	PB169369

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	17.9		1	1.21	2.05	mg/kg	FE055488.D
Aliphatic C9-C28	Aliphatic C9-C28	3.90	J	1	0.94	4.12	mg/kg	FE055488.D
Total AliphaticEPH	Total AliphaticEPH	21.8			2.15	6.17	mg/kg	
Total EPH	Total EPH	21.8			2.15	6.17	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
FE055488.D	1	08/25/25	08/25/25	PB169369

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		3.90	J	0.94	4.12	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		17.9		1.21	2.05	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		46.8		40 - 140	94%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		44.1		40 - 140	88%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2949-02	Acq On:	25 Aug 2025 17:50
Client Sample ID:	367-E2	Operator:	YP\AJ
Data file:	FE055488.D	Misc:	
Instrument:	FID_E	ALS Vial:	25
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.318	6.954	1235927	10.583	300	ug/ml
Aliphatic C12-C16	6.955	10.408	1316457	10.513	200	ug/ml
Aliphatic C16-C21	10.409	13.788	2132005	16.866	300	ug/ml
Aliphatic C21-C28	13.789	17.461	2292303	19.022	400	ug/ml
Aliphatic C28-C40	17.462	22.488	29718266	260.716	600	ug/ml
Aliphatic EPH	3.318	22.488	36694958	317.7		ug/ml
ortho-Terphenyl (SURR)	12.088	12.088	6304228	44.15		ug/ml
1-chlorooctadecane (SURR)	13.524	13.524	5026266	46.75		ug/ml
Aliphatic C9-C28	3.318	17.461	6976692	56.984	1200	ug/ml