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

Report of Analysis

Client:	PSEG		Date Collected:	09/11/25	
Project:	Elizabeth Class H		Date Received:	09/11/25	
Client Sample ID:	WC-33		SDG No.:	Q3082	
Lab Sample ID:	Q3082-09		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	84	
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
09/12/25 09:59	09/15/25 11:32	PB169673

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	55.0		5	7.02	11.9	mg/kg	FE055822.D
Aliphatic C9-C28	Aliphatic C9-C28	169		5	5.41	23.8	mg/kg	FE055822.D
Total AliphaticEPH	Total AliphaticEPH	224			12.4	35.7	mg/kg	
Total EPH	Total EPH	224			12.4	35.7	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
FE055814.D	1	09/12/25	09/12/25	PB169673

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	168	E	1.08	4.76	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	52.4	E	1.40	2.38	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	55.0		40 - 140	110%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	33.3		40 - 140	67%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3082-09	Acq On:	12 Sep 2025 21:25
Client Sample ID:	WC-33	Operator:	YP\AJ
Data file:	FE055814.D	Misc:	
Instrument:	FID_E	ALS Vial:	34
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.312	6.944	2731370	21.272	300	ug/ml
Aliphatic C12-C16	6.945	10.396	26985902	199.755	200	ug/ml
Aliphatic C16-C21	10.397	13.773	135185069	937.371	300	ug/ml
Aliphatic C21-C28	13.774	17.445	137842814	962.349	400	ug/ml
Aliphatic C28-C40	17.446	22.454	91053249	661.149	600	ug/ml
Aliphatic EPH	3.312	22.454	393798404	2780		ug/ml
ortho-Terphenyl (SURR)	12.075	12.075	5470961	33.3		ug/ml
1-chlorooctadecane (SURR)	13.511	13.511	6879459	55.02		ug/ml
Aliphatic C9-C28	3.312	17.445	302745155	2120	1200	ug/ml