

Report of Analysis

Client:	PSEG	Date Collected:	09/11/25
Project:	Elizabeth Class H	Date Received:	09/11/25
Client Sample ID:	WC-32	SDG No.:	Q3082
Lab Sample ID:	Q3082-07	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	86.2
Sample Wt/Vol:	30.08	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
09/12/25 09:59	09/12/25 19:23	PB169673

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	16.1		1	1.37	2.31	mg/kg FE055810.D
Aliphatic C9-C28	Aliphatic C9-C28	7.58		1	1.05	4.63	mg/kg FE055810.D
Total AliphaticEPH	Total AliphaticEPH	23.7			2.42	6.94	mg/kg
Total EPH	Total EPH	23.7			2.42	6.94	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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File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE055810.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	7.58		1.05	4.63	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	16.1		1.37	2.31	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	37.6		40 - 140	75%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	36.7		40 - 140	73%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3082-07	Acq On:	12 Sep 2025 19:23
Client Sample ID:	WC-32	Operator:	YP\AJ
Data file:	FE055810.D	Misc:	
Instrument:	FID_E	ALS Vial:	30
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.312	6.944	684666	5.332	300	ug/ml
Aliphatic C12-C16	6.945	10.396	1854103	13.724	200	ug/ml
Aliphatic C16-C21	10.397	13.773	5257688	36.457	300	ug/ml
Aliphatic C21-C28	13.774	17.445	6125487	42.765	400	ug/ml
Aliphatic C28-C40	17.446	22.454	28688013	208.307	600	ug/ml
Aliphatic EPH	3.312	22.454	42609957	306.586		ug/ml
ortho-Terphenyl (SURR)	12.072	12.072	6032913	36.72		ug/ml
1-chlorooctadecane (SURR)	13.508	13.508	4705993	37.63		ug/ml
Aliphatic C9-C28	3.312	17.445	13921944	98.278	1200	ug/ml