

Report of Analysis

Client:	PSEG	Date Collected:	09/11/25
Project:	Elizabeth Class H	Date Received:	09/11/25
Client Sample ID:	WC-31	SDG No.:	Q3082
Lab Sample ID:	Q3082-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	85.2
Sample Wt/Vol:	30.03	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 18:53	PB169673

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	24.1		1	1.38	2.35	mg/kg	FE055809.D
Aliphatic C9-C28	Aliphatic C9-C28	4.57	J	1	1.07	4.68	mg/kg	FE055809.D
Total AliphaticEPH	Total AliphaticEPH	28.7			2.45	7.03	mg/kg	
Total EPH	Total EPH	28.7			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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Analytical Method:	NJEPH	% Solid:	85.2
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:			uL
Prep Method :		Test:	EPH_NF

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE055809.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	4.57	J	1.07	4.68	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	24.1		1.38	2.35	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	31.4		40 - 140	63%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	31.0		40 - 140	62%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3082-05	Acq On:	12 Sep 2025 18:53
Client Sample ID:	WC-31	Operator:	YP\AJ
Data file:	FE055809.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	3.312	6.944	563000	4.385	300	ug/ml
Aliphatic C12-C16	6.945	10.396	1053920	7.801	200	ug/ml
Aliphatic C16-C21	10.397	13.773	2913863	20.205	300	ug/ml
Aliphatic C21-C28	13.774	17.445	3743351	26.134	400	ug/ml
Aliphatic C28-C40	17.446	22.454	42507178	308.65	600	ug/ml
Aliphatic EPH	3.312	22.454	50781312	367.175		ug/ml
ortho-Terphenyl (SURR)	12.071	12.071	5095223	31.01		ug/ml
1-chlorooctadecane (SURR)	13.507	13.507	3926311	31.4		ug/ml
Aliphatic C9-C28	3.312	17.445	8274134	58.525	1200	ug/ml