

Report of Analysis

Client:	PSEG	Date Collected:	09/11/25
Project:	Elizabeth Class H	Date Received:	09/11/25
Client Sample ID:	WC-29	SDG No.:	Q3082
Lab Sample ID:	Q3082-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.1
Sample Wt/Vol:	30.05	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 17:52	PB169673

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	36.8		1	1.35	2.29	mg/kg FE055807.D
Aliphatic C9-C28	Aliphatic C9-C28	9.95		1	1.04	4.59	mg/kg FE055807.D
Total AliphaticEPH	Total AliphaticEPH	46.7			2.39	6.88	mg/kg
Total EPH	Total EPH	46.7			2.39	6.88	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
FE055807.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	9.95		1.04	4.59	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	36.8		1.35	2.29	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	37.6		40 - 140	75%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	35.6		40 - 140	71%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3082-01	Acq On:	12 Sep 2025 17:52
Client Sample ID:	WC-29	Operator:	YP\AJ
Data file:	FE055807.D	Misc:	
Instrument:	FID_E	ALS Vial:	27
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.312	6.944	1038489	8.088	300	ug/ml
Aliphatic C12-C16	6.945	10.396	2298788	17.016	200	ug/ml
Aliphatic C16-C21	10.397	13.773	6224336	43.159	300	ug/ml
Aliphatic C21-C28	13.774	17.445	8874024	61.954	400	ug/ml
Aliphatic C28-C40	17.446	22.454	66411101	482.219	600	ug/ml
Aliphatic EPH	3.312	22.454	84846738	612.437		ug/ml
ortho-Terphenyl (SURR)	12.072	12.072	5856888	35.65		ug/ml
1-chlorooctadecane (SURR)	13.508	13.508	4705400	37.63		ug/ml
Aliphatic C9-C28	3.312	17.445	18435637	130.217	1200	ug/ml