

Report of Analysis

Client:	PSEG	Date Collected:	05/07/25
Project:	PSEG Keasby	Date Received:	05/07/25
Client Sample ID:	WC-B-10	SDG No.:	Q1972
Lab Sample ID:	Q1972-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.4
Sample Wt/Vol:	30.02	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
05/08/25 09:45	05/08/25 17:31	PB167906

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	5.14		1	1.29	2.19	mg/kg	FE053715.D
Aliphatic C9-C28	Aliphatic C9-C28	4.37	U	1	0.99	4.37	mg/kg	FE053715.D
Total AliphaticEPH	Total AliphaticEPH	5.14	J		2.28	6.56	mg/kg	
Total EPH	Total EPH	5.14	J		2.28	6.56	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
FE053715.D	1	05/08/25	05/08/25	PB167906

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	0.000	U	0.99	4.37	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	5.14		1.29	2.19	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	26.6		40 - 140	53%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	25.2		40 - 140	50%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1972-05	Acq On:	08 May 2025 17:31
Client Sample ID:	WC-B-10	Operator:	YP\AJ
Data file:	FE053715.D	Misc:	
Instrument:	FID_E	ALS Vial:	10
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.109	6.750	452509	3.266	300	ug/ml
Aliphatic C12-C16	6.751	10.198	827944	5.839	200	ug/ml
Aliphatic C16-C21	10.199	13.573	485939	3.343	300	ug/ml
Aliphatic C21-C28	13.574	17.241	1017081	7.154	400	ug/ml
Aliphatic C28-C40	17.242	22.125	9103746	70.545	600	ug/ml
Aliphatic EPH	3.109	22.125	11887219	90.146		ug/ml
ortho-Terphenyl (SURR)	11.861	11.861	4544810	25.2		ug/ml
1-chlorooctadecane (SURR)	13.307	13.307	3595928	26.6		ug/ml
Aliphatic C9-C28	3.109	17.241	2783473	19.602	1200	ug/ml