

Report of Analysis

Client:	PSEG	Date Collected:	05/13/25
Project:	PSEG Bergen Point	Date Received:	05/14/25
Client Sample ID:	L3-WC-6	SDG No.:	Q2034
Lab Sample ID:	Q2034-21	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	86.2
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
05/15/25 09:30	05/15/25 19:42	PB168018

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	3.88		1	1.37	2.32	mg/kg	FE053854.D
Aliphatic C9-C28	Aliphatic C9-C28	1.99	J	1	1.05	4.63	mg/kg	FE053854.D
Total AliphaticEPH	Total AliphaticEPH	5.87	J		2.42	6.95	mg/kg	
Total EPH	Total EPH	5.87	J		2.42	6.95	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 :		Test:	EPH_NF

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE053854.D	1	05/15/25	05/15/25	PB168018

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	1.99	J	1.05	4.63	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	3.88		1.37	2.32	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	35.2		40 - 140	70%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	33.6		40 - 140	67%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2034-21	Acq On:	15 May 2025 19:42
Client Sample ID:	L3-WC-6	Operator:	YP\AJ
Data file:	FE053854.D	Misc:	
Instrument:	FID_E	ALS Vial:	19
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.101	6.743	214769	1.584	300	ug/ml
Aliphatic C12-C16	6.744	10.192	577588	4.28	200	ug/ml
Aliphatic C16-C21	10.193	13.567	1083416	8.213	300	ug/ml
Aliphatic C21-C28	13.568	17.235	1660100	13.369	400	ug/ml
Aliphatic C28-C40	17.236	22.117	5799434	50.242	600	ug/ml
Aliphatic EPH	3.101	22.117	9335307	77.688		ug/ml
ortho-Terphenyl (SURR)	11.849	11.849	5462086	33.61		ug/ml
1-chlorooctadecane (SURR)	13.294	13.294	4170424	35.18		ug/ml
Aliphatic C9-C28	3.101	17.235	3535873	27.446	1200	ug/ml