

Report of Analysis

Client:	PSEG	Date Collected:	05/13/25
Project:	PSEG Bergen Point	Date Received:	05/14/25
Client Sample ID:	L3-WC-3-EPH	SDG No.:	Q2034
Lab Sample ID:	Q2034-10	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.4
Sample Wt/Vol:	30.06	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 17:11	PB168018

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	6.45		1	1.35	2.28	mg/kg	FE053849.D
Aliphatic C9-C28	Aliphatic C9-C28	3.28	J	1	1.04	4.56	mg/kg	FE053849.D
Total AliphaticEPH	Total AliphaticEPH	9.73			2.39	6.84	mg/kg	
Total EPH	Total EPH	9.73			2.39	6.84	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

Report of Analysis

Client:	PSEG	Date Collected:	05/13/25
Project:	PSEG Bergen Point	Date Received:	05/14/25
Client Sample ID:	L3-WC-3-EPH	SDG No.:	Q2034
Lab Sample ID:	Q2034-10	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.4
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE053849.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	3.28	J	1.04	4.56	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	6.45		1.35	2.28	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	38.1		40 - 140	76%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	36.2		40 - 140	72%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2034-10	Acq On:	15 May 2025 17:11
Client Sample ID:	L3-WC-3-EPH	Operator:	YP\AJ
Data file:	FE053849.D	Misc:	
Instrument:	FID_E	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.101	6.743	570696	4.21	300	ug/ml
Aliphatic C12-C16	6.744	10.192	814215	6.034	200	ug/ml
Aliphatic C16-C21	10.193	13.567	1443734	10.945	300	ug/ml
Aliphatic C21-C28	13.568	17.235	2727068	21.961	400	ug/ml
Aliphatic C28-C40	17.236	22.117	9774573	84.679	600	ug/ml
Aliphatic EPH	3.101	22.117	15330286	127.829		ug/ml
ortho-Terphenyl (SURR)	11.851	11.851	5880337	36.18		ug/ml
1-chlorooctadecane (SURR)	13.296	13.296	4521523	38.14		ug/ml
Aliphatic C9-C28	3.101	17.235	5555713	43.15	1200	ug/ml