

Report of Analysis

Client:	PSEG	Date Collected:	05/13/25
Project:	PSEG Bergen Point	Date Received:	05/14/25
Client Sample ID:	L3-WC-1	SDG No.:	Q2034
Lab Sample ID:	Q2034-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.6
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:			uL
Prep Method :		Final Vol:	2000
		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
05/15/25 09:30	05/15/25 17:22	PB168018

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	3.13		1	1.35	2.28	mg/kg FC068889.D
Aliphatic C9-C28	Aliphatic C9-C28	6.92		1	1.04	4.56	mg/kg FC068889.D
Total AliphaticEPH	Total AliphaticEPH	10.1			2.39	6.84	mg/kg
Total EPH	Total EPH	10.1			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

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Prep Method :		Test:	EPH_NF

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068889.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	6.92		1.04	4.56	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	3.13		1.35	2.28	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	47.3		40 - 140	95%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	42.7		40 - 140	85%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2034-01	Acq On:	15 May 2025 17:22
Client Sample ID:	L3-WC-1	Operator:	YP/AJ
Data file:	FC068889.D	Misc:	
Instrument:	FID_C	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.339	6.640	2468839	24.904	300	ug/ml
Aliphatic C12-C16	6.641	10.040	1279937	14.068	200	ug/ml
Aliphatic C16-C21	10.041	13.406	1133125	13.213	300	ug/ml
Aliphatic C21-C28	13.407	17.070	3237613	38.965	400	ug/ml
Aliphatic C28-C40	17.071	22.065	3487334	41.21	600	ug/ml
Aliphatic EPH	3.339	22.065	11606848	132.36		ug/ml
ortho-Terphenyl (SURR)	11.708	11.708	4869797	42.67		ug/ml
1-chlorooctadecane (SURR)	13.141	13.141	3794207	47.29		ug/ml
Aliphatic C9-C28	3.339	17.070	8119514	91.15	1200	ug/ml