

Report of Analysis

Client:	PSEG	Date Collected:	05/14/25
Project:	PSEG Bergen Point	Date Received:	05/14/25
Client Sample ID:	L2-WC-4	SDG No.:	Q2048
Lab Sample ID:	Q2048-13	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	85.8
Sample Wt/Vol:	30.07	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
05/16/25 08:53	05/16/25 15:48	PB168035

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	7.28		1	1.37	2.33	mg/kg	FC068905.D
Aliphatic C9-C28	Aliphatic C9-C28	3.19	J	1	1.06	4.64	mg/kg	FC068905.D
Total AliphaticEPH	Total AliphaticEPH	10.5			2.43	6.97	mg/kg	
Total EPH	Total EPH	10.5			2.43	6.97	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
FC068905.D	1	05/16/25	05/16/25	PB168035

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	3.19	J	1.06	4.64	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	7.28		1.37	2.33	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	46.6		40 - 140	93%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	42.6		40 - 140	85%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2048-13	Acq On:	16 May 2025 15:48
Client Sample ID:	L2-WC-4	Operator:	YP/AJ
Data file:	FC068905.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	3.340	6.640	328507	3.314	300	ug/ml
Aliphatic C12-C16	6.641	10.040	736512	8.095	200	ug/ml
Aliphatic C16-C21	10.041	13.408	1275821	14.877	300	ug/ml
Aliphatic C21-C28	13.409	17.071	1243132	14.961	400	ug/ml
Aliphatic C28-C40	17.072	22.068	7943013	93.864	600	ug/ml
Aliphatic EPH	3.340	22.068	11526985	135.11		ug/ml
ortho-Terphenyl (SURR)	11.711	11.711	4864394	42.62		ug/ml
1-chlorooctadecane (SURR)	13.143	13.143	3740955	46.63		ug/ml
Aliphatic C9-C28	3.340	17.071	3583972	41.247	1200	ug/ml