

Report of Analysis

Client:	PSEG	Date Collected:	06/27/25
Project:	PSEG Bergen Point	Date Received:	06/27/25
Client Sample ID:	TP-5	SDG No.:	Q2452
Lab Sample ID:	Q2452-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.4
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
06/30/25 08:50	06/30/25 18:01	PB168656

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	4.58		1	1.29	2.18	mg/kg	FC069334.D
Aliphatic C9-C28	Aliphatic C9-C28	4.32	J	1	0.99	4.37	mg/kg	FC069334.D
Total AliphaticEPH	Total AliphaticEPH	8.90			2.28	6.55	mg/kg	
Total EPH	Total EPH	8.90			2.28	6.55	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
FC069334.D	1	06/30/25	06/30/25	PB168656

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	4.32	J	0.99	4.37	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	4.58		1.29	2.18	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	37.3		40 - 140	75%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	35.3		40 - 140	71%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2452-01	Acq On:	30 Jun 2025 18:01
Client Sample ID:	TP-5	Operator:	YP/AJ
Data file:	FC069334.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	3.308	6.605	4438319	30.259	300	ug/ml
Aliphatic C12-C16	6.606	10.009	885680	5.563	200	ug/ml
Aliphatic C16-C21	10.010	13.379	1577676	10.216	300	ug/ml
Aliphatic C21-C28	13.380	17.046	1782850	13.308	400	ug/ml
Aliphatic C28-C40	17.047	22.025	5798709	62.944	600	ug/ml
Aliphatic EPH	3.308	22.025	14483234	122.29		ug/ml
ortho-Terphenyl (SURR)	11.679	11.679	6101523	35.32		ug/ml
1-chlorooctadecane (SURR)	13.115	13.115	4869093	37.27		ug/ml
Aliphatic C9-C28	3.308	17.046	8684525	59.346	1200	ug/ml