

Report of Analysis

Client:	PSEG	Date Collected:	06/19/25
Project:	PSEG Bergen Point	Date Received:	06/19/25
Client Sample ID:	EP-5	SDG No.:	Q2367
Lab Sample ID:	Q2367-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.2
Sample Wt/Vol:	30.08	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
06/20/25 09:30	06/20/25 19:53	PB168561

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	8.15		1	1.32	2.24	mg/kg FE054529.D
Aliphatic C9-C28	Aliphatic C9-C28	4.92		1	1.02	4.47	mg/kg FE054529.D
Total AliphaticEPH	Total AliphaticEPH	13.1			2.34	6.71	mg/kg
Total EPH	Total EPH	13.1			2.34	6.71	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:	06/19/25
Project:	PSEG Bergen Point	Date Received:	06/19/25
Client Sample ID:	EP-5	SDG No.:	Q2367
Lab Sample ID:	Q2367-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.2
Sample Wt/Vol:	30.08	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE054529.D	1	06/20/25	06/20/25	PB168561

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	4.92		1.02	4.47	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	8.15		1.32	2.24	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	35.4		40 - 140	71%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	33.0		40 - 140	66%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2367-05	Acq On:	20 Jun 2025 19:53
Client Sample ID:	EP-5	Operator:	YP\AJ
Data file:	FE054529.D	Misc:	
Instrument:	FID_E	ALS Vial:	24
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.072	6.716	2326429	18.574	300	ug/ml
Aliphatic C12-C16	6.717	10.164	4421428	33.712	200	ug/ml
Aliphatic C16-C21	10.165	13.537	416775	3.112	300	ug/ml
Aliphatic C21-C28	13.538	17.205	1355690	10.669	400	ug/ml
Aliphatic C28-C40	17.206	22.069	14026126	109.369	600	ug/ml
Aliphatic EPH	3.072	22.069	22546448	175.436		ug/ml
ortho-Terphenyl (SURR)	11.822	11.822	5450868	32.99		ug/ml
1-chlorooctadecane (SURR)	13.267	13.267	4313487	35.37		ug/ml
Aliphatic C9-C28	3.072	17.205	8520322	66.067	1200	ug/ml