

Report of Analysis

Client:	PSEG	Date Collected:	06/11/25
Project:	PSEG Bergen Point	Date Received:	06/11/25
Client Sample ID:	TP-3-EPH	SDG No.:	Q2297
Lab Sample ID:	Q2297-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.2
Sample Wt/Vol:	30.08	Units:	g
Soil Aliquot Vol:			uL
Prep Method :		Final Vol:	2000
		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
06/12/25 08:55	06/13/25 12:50	PB168438

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	14.3		1	1.29	2.19	mg/kg FE054379.D
Aliphatic C9-C28	Aliphatic C9-C28	6.17		1	1.00	4.37	mg/kg FE054379.D
Total AliphaticEPH	Total AliphaticEPH	20.5			2.29	6.56	mg/kg
Total EPH	Total EPH	20.5			2.29	6.56	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:	06/11/25
Project:	PSEG Bergen Point	Date Received:	06/11/25
Client Sample ID:	TP-3-EPH	SDG No.:	Q2297
Lab Sample ID:	Q2297-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.2
Sample Wt/Vol:	30.08	Units:	g
Soil Aliquot Vol:			uL
Prep Method :		Test:	EPH_NF

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE054379.D	1	06/12/25	06/13/25	PB168438

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	6.17		1.00	4.37	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	14.3		1.29	2.19	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	31.6		40 - 140	63%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	30.0		40 - 140	60%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2297-02	Acq On:	13 Jun 2025 12:50
Client Sample ID:	TP-3-EPH	Operator:	YP\AJ
Data file:	FE054379.D	Misc:	
Instrument:	FID_E	ALS Vial:	48
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.073	6.718	1083230	8.648	300	ug/ml
Aliphatic C12-C16	6.719	10.163	1268701	9.674	200	ug/ml
Aliphatic C16-C21	10.164	13.535	2497682	18.65	300	ug/ml
Aliphatic C21-C28	13.536	17.200	6062943	47.714	400	ug/ml
Aliphatic C28-C40	17.201	22.059	25194558	196.456	600	ug/ml
Aliphatic EPH	3.073	22.059	36107114	281.141		ug/ml
ortho-Terphenyl (SURR)	11.824	11.824	4957294	30		ug/ml
1-chlorooctadecane (SURR)	13.268	13.268	3854615	31.61		ug/ml
Aliphatic C9-C28	3.073	17.200	10912556	84.686	1200	ug/ml