

Report of Analysis

Client:	PSEG	Date Collected:	06/09/25
Project:	PSEG Bergen Point	Date Received:	06/09/25
Client Sample ID:	TP-6	SDG No.:	Q2272
Lab Sample ID:	Q2272-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.4
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
06/10/25 08:41	06/10/25 17:48	PB168374

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	6.07		1	1.33	2.26	mg/kg	FE054292.D
Aliphatic C9-C28	Aliphatic C9-C28	2.40	J	1	1.03	4.52	mg/kg	FE054292.D
Total AliphaticEPH	Total AliphaticEPH	8.47			2.36	6.78	mg/kg	
Total EPH	Total EPH	8.47			2.36	6.78	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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Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE054292.D	1	06/10/25	06/10/25	PB168374

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	2.40	J	1.03	4.52	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	6.07		1.33	2.26	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	53.1		40 - 140	106%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	49.2		40 - 140	98%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2272-01	Acq On:	10 Jun 2025 17:48
Client Sample ID:	TP-6	Operator:	YP\AJ
Data file:	FE054292.D	Misc:	
Instrument:	FID_E	ALS Vial:	11
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.080	6.725	391084	3.122	300	ug/ml
Aliphatic C12-C16	6.726	10.172	1134299	8.649	200	ug/ml
Aliphatic C16-C21	10.173	13.546	574642	4.291	300	ug/ml
Aliphatic C21-C28	13.547	17.214	2013110	15.843	400	ug/ml
Aliphatic C28-C40	17.215	22.084	10344627	80.663	600	ug/ml
Aliphatic EPH	3.080	22.084	14457762	112.567		ug/ml
ortho-Terphenyl (SURR)	11.834	11.834	8136775	49.24		ug/ml
1-chlorooctadecane (SURR)	13.279	13.279	6471223	53.07		ug/ml
Aliphatic C9-C28	3.080	17.214	4113135	31.905	1200	ug/ml