

Report of Analysis

Client:	PSEG	Date Collected:	07/01/25
Project:	Watchang Bridge Replacement	Date Received:	07/01/25
Client Sample ID:	SOIL-PILE	SDG No.:	Q2475
Lab Sample ID:	Q2475-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	79.7
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
07/02/25 11:05	07/02/25 16:49	PB168702

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	9.59		1	1.48	2.51	mg/kg	FE054670.D
Aliphatic C9-C28	Aliphatic C9-C28	16.5		1	1.14	5.01	mg/kg	FE054670.D
Total AliphaticEPH	Total AliphaticEPH	26.1			2.62	7.52	mg/kg	
Total EPH	Total EPH	26.1			2.62	7.52	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:	07/01/25
Project:	Watchang Bridge Replacement	Date Received:	07/01/25
Client Sample ID:	SOIL-PILE	SDG No.:	Q2475
Lab Sample ID:	Q2475-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	79.7
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE054670.D	1	07/02/25	07/02/25	PB168702

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	16.5		1.14	5.01	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	9.59		1.48	2.51	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	29.3		40 - 140	59%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	29.1		40 - 140	58%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2475-01	Acq On:	02 Jul 2025 16:49
Client Sample ID:	SOIL-PILE	Operator:	YP\AJ
Data file:	FE054670.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	3.319	6.951	2582712	18.983	300	ug/ml
Aliphatic C12-C16	6.952	10.402	6451548	45.896	200	ug/ml
Aliphatic C16-C21	10.403	13.777	11356904	78.652	300	ug/ml
Aliphatic C21-C28	13.778	17.448	7713803	53.327	400	ug/ml
Aliphatic C28-C40	17.449	22.462	15907438	114.733	600	ug/ml
Aliphatic EPH	3.319	22.462	44012405	311.591		ug/ml
ortho-Terphenyl (SURR)	12.080	12.080	4723144	29.08		ug/ml
1-chlorooctadecane (SURR)	13.517	13.517	3700559	29.3		ug/ml
Aliphatic C9-C28	3.319	17.448	28104967	196.858	1200	ug/ml