

Report of Analysis

Client:	PSEG	Date Collected:	08/25/25
Project:	MT Laurel Row Bridge	Date Received:	08/25/25
Client Sample ID:	BRIDGE-NORTH	SDG No.:	Q2954
Lab Sample ID:	Q2954-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	63.9
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
08/26/25 09:10	08/26/25 16:21	PB169395

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	5.53		1	1.84	3.12	mg/kg	FC069746.D
Aliphatic C9-C28	Aliphatic C9-C28	4.14	J	1	1.42	6.24	mg/kg	FC069746.D
Total AliphaticEPH	Total AliphaticEPH	9.67			3.26	9.36	mg/kg	
Total EPH	Total EPH	9.67			3.26	9.36	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:	08/25/25
Project:	MT Laurel Row Bridge	Date Received:	08/25/25
Client Sample ID:	BRIDGE-NORTH	SDG No.:	Q2954
Lab Sample ID:	Q2954-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	63.9
Sample Wt/Vol:	30.06 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
FC069746.D	1	08/26/25	08/26/25	PB169395

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	4.14	J	1.42	6.24	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	5.53		1.84	3.12	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	39.9		40 - 140	80%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	36.5		40 - 140	73%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2954-01	Acq On:	26 Aug 2025 16:21
Client Sample ID:	BRIDGE-NORTH	Operator:	YP/AJ
Data file:	FC069746.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	3.295	6.593	536561	3.709	300	ug/ml
Aliphatic C12-C16	6.594	9.996	883087	6.157	200	ug/ml
Aliphatic C16-C21	9.997	13.364	2075371	15.539	300	ug/ml
Aliphatic C21-C28	13.365	17.030	1688707	14.274	400	ug/ml
Aliphatic C28-C40	17.031	22.004	5063552	53.124	600	ug/ml
Aliphatic EPH	3.295	22.004	10247278	92.802		ug/ml
ortho-Terphenyl (SURR)	11.664	11.664	5443330	36.49		ug/ml
1-chlorooctadecane (SURR)	13.099	13.099	4346602	39.87		ug/ml
Aliphatic C9-C28	3.295	17.030	5183726	39.679	1200	ug/ml