

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-C	SDG No.:	Q2954
Lab Sample ID:	Q2954-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	57.1
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:			uL
Prep Method :		Final Vol:	2000
		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
08/26/25 09:10	08/26/25 16:58	PB169395

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	15.9		1	2.06	3.50	mg/kg
Aliphatic C9-C28	Aliphatic C9-C28	16.9		1	1.59	7.00	mg/kg
Total AliphaticEPH	Total AliphaticEPH	32.8			3.65	10.5	mg/kg
Total EPH	Total EPH	32.8			3.65	10.5	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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Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE055511.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	16.9		1.59	7.00	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	15.9		2.06	3.50	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	53.8		40 - 140	108%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	48.3		40 - 140	97%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2954-04	Acq On:	26 Aug 2025 16:58
Client Sample ID:	BRIDGE-NORTH-C	Operator:	YP\AJ
Data file:	FE055511.D	Misc:	
Instrument:	FID_E	ALS Vial:	13
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.317	6.953	1160684	9.939	300	ug/ml
Aliphatic C12-C16	6.954	10.407	1494125	11.931	200	ug/ml
Aliphatic C16-C21	10.408	13.786	10355062	81.92	300	ug/ml
Aliphatic C21-C28	13.787	17.459	4941084	41.003	400	ug/ml
Aliphatic C28-C40	17.460	22.479	15583869	136.716	600	ug/ml
Aliphatic EPH	3.317	22.479	33534824	281.509		ug/ml
ortho-Terphenyl (SURR)	12.083	12.083	6893598	48.27		ug/ml
1-chlorooctadecane (SURR)	13.519	13.519	5783439	53.79		ug/ml
Aliphatic C9-C28	3.317	17.459	17950955	144.793	1200	ug/ml