

Report of Analysis

Client:	PSEG	Date Collected:	08/25/25
Project:	MT Laurel Row Bridge	Date Received:	08/25/25
Client Sample ID:	BRIDGE-SOUTH-B	SDG No.:	Q2954
Lab Sample ID:	Q2954-08	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	60.2
Sample Wt/Vol:	30.01	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 18:29	PB169395

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	14.5		1	1.96	3.32	mg/kg	FE055514.D
Aliphatic C9-C28	Aliphatic C9-C28	6.35	J	1	1.51	6.64	mg/kg	FE055514.D
Total AliphaticEPH	Total AliphaticEPH	20.8			3.47	9.96	mg/kg	
Total EPH	Total EPH	20.8			3.47	9.96	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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File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE055514.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	6.35	J	1.51	6.64	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	14.5		1.96	3.32	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	49.1		40 - 140	98%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	41.2		40 - 140	82%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2954-08	Acq On:	26 Aug 2025 18:29
Client Sample ID:	BRIDGE-SOUTH-B	Operator:	YP\AJ
Data file:	FE055514.D	Misc:	
Instrument:	FID_E	ALS Vial:	16
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.317	6.953	685073	5.866	300	ug/ml
Aliphatic C12-C16	6.954	10.407	1287900	10.285	200	ug/ml
Aliphatic C16-C21	10.408	13.786	2085892	16.502	300	ug/ml
Aliphatic C21-C28	13.787	17.459	2970985	24.654	400	ug/ml
Aliphatic C28-C40	17.460	22.479	14953834	131.189	600	ug/ml
Aliphatic EPH	3.317	22.479	21983684	188.495		ug/ml
ortho-Terphenyl (SURR)	12.081	12.081	5883880	41.2		ug/ml
1-chlorooctadecane (SURR)	13.518	13.518	5284533	49.15		ug/ml
Aliphatic C9-C28	3.317	17.459	7029850	57.307	1200	ug/ml