

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-A	SDG No.:	Q2954
Lab Sample ID:	Q2954-07	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	68.6
Sample Wt/Vol:	30.02	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 17:59	PB169395

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	13.5		1	1.72	2.91	mg/kg FE055513.D
Aliphatic C9-C28	Aliphatic C9-C28	9.52		1	1.32	5.83	mg/kg FE055513.D
Total AliphaticEPH	Total AliphaticEPH	23.0			3.04	8.74	mg/kg
Total EPH	Total EPH	23.0			3.04	8.74	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
FE055513.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	9.52		1.32	5.83	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	13.5		1.72	2.91	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	49.0		40 - 140	98%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	42.2		40 - 140	84%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2954-07	Acq On:	26 Aug 2025 17:59
Client Sample ID:	BRIDGE-SOUTH-A	Operator:	YP\AJ
Data file:	FE055513.D	Misc:	
Instrument:	FID_E	ALS Vial:	15
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.317	6.953	771419	6.606	300	ug/ml
Aliphatic C12-C16	6.954	10.407	1282451	10.241	200	ug/ml
Aliphatic C16-C21	10.408	13.786	4390936	34.737	300	ug/ml
Aliphatic C21-C28	13.787	17.459	5601052	46.48	400	ug/ml
Aliphatic C28-C40	17.460	22.479	15830778	138.882	600	ug/ml
Aliphatic EPH	3.317	22.479	27876636	236.945		ug/ml
ortho-Terphenyl (SURR)	12.082	12.082	6020568	42.16		ug/ml
1-chlorooctadecane (SURR)	13.518	13.518	5274123	49.05		ug/ml
Aliphatic C9-C28	3.317	17.459	12045858	98.064	1200	ug/ml