

Report of Analysis

Client:	PSEG	Date Collected:	
Project:	MT Laurel Row Bridge	Date Received:	
Client Sample ID:	BRIDGE-NORTHMSD	SDG No.:	Q2954
Lab Sample ID:	Q2954-01MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	63.9
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
08/26/25 09:10	08/26/25 18:38	PB169395

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Total AliphaticEPH	Total AliphaticEPH	166			3.27	9.38	mg/kg
Total EPH	Total EPH	166			3.27	9.38	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
FC069749.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	116		1.42	6.25	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	49.9		1.85	3.13	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	28.2		40 - 140	56%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	25.5		40 - 140	51%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2954-01MSD	Acq On:	26 Aug 2025 18:38
Client Sample ID:	Q2954-01MSD	Operator:	YP/AJ
Data file:	FC069749.D	Misc:	
Instrument:	FID_C	ALS Vial:	17
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.295	6.593	24132263	166.798	300	ug/ml
Aliphatic C12-C16	6.594	9.996	34944185	243.623	200	ug/ml
Aliphatic C16-C21	9.997	13.364	40655675	304.397	300	ug/ml
Aliphatic C21-C28	13.365	17.030	46603655	393.919	400	ug/ml
Aliphatic C28-C40	17.031	22.004	45598400	478.396	600	ug/ml
Aliphatic EPH	3.295	22.004	191934178	1590		ug/ml
ortho-Terphenyl (SURR)	11.663	11.663	3798153	25.46		ug/ml
1-chlorooctadecane (SURR)	13.099	13.099	3071398	28.17		ug/ml
Aliphatic C9-C28	3.295	17.030	146335778	1110	1200	ug/ml