

## Report of Analysis

Client:	PSEG	Date Collected:	
Project:	MT Laurel Row Bridge	Date Received:	
Client Sample ID:	PB169395BS	SDG No.:	Q2954
Lab Sample ID:	PB169395BS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
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 14:51	PB169395

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
<b>TARGETS</b>								
Aliphatic C28-C40	Aliphatic C28-C40	30.4		1	1.18	2.00	mg/kg	FC069744.D
Aliphatic C9-C28	Aliphatic C9-C28	75.6		1	0.91	3.99	mg/kg	FC069744.D
Total AliphaticEPH	Total AliphaticEPH	106			2.09	5.99	mg/kg	
Total EPH	Total EPH	106			2.09	5.99	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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Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC069744.D	1	08/26/25	08/26/25	PB169395

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
<b>TARGETS</b>						
Aliphatic C9-C28	Aliphatic C9-C28	75.6		0.91	3.99	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	30.4		1.18	2.00	mg/kg
<b>SURROGATES</b>						
3383-33-2	1-chlorooctadecane (SURR)	40.0		40 - 140	80%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	37.2		40 - 140	74%	SPK: 50

## Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB169395BS	Acq On:	26 Aug 2025 14:51
Client Sample ID:	PB169395BS	Operator:	YP/AJ
Data file:	FC069744.D	Misc:	
Instrument:	FID_C	ALS Vial:	12
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.295	6.593	27158557	187.716	300	ug/ml
Aliphatic C12-C16	6.594	9.996	37417655	260.868	200	ug/ml
Aliphatic C16-C21	9.997	13.364	40864271	305.959	300	ug/ml
Aliphatic C21-C28	13.365	17.030	44846050	379.062	400	ug/ml
Aliphatic C28-C40	17.031	22.004	43434668	455.695	600	ug/ml
Aliphatic EPH	3.295	22.004	193721201	1590		ug/ml
ortho-Terphenyl (SURR)	11.665	11.665	5554616	37.23		ug/ml
1-chlorooctadecane (SURR)	13.100	13.100	4366004	40.05		ug/ml
Aliphatic C9-C28	3.295	17.030	150286533	1130	1200	ug/ml