284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/04/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/04/25
Client Sample ID:	ENV-104-GW01	SDG No.:	Q1488
Lab Sample ID:	Q1488-14	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	970 Units: mL	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :	SW3510		

Prep Date :	Date Analyzed :	Prep Batch ID
03/05/25 08:25	03/05/25 19:04	PB166976

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	6.57	J	1	5.94	30.9	ug/l	FC068374.D
Aliphatic C12-C16	Aliphatic C12-C16	15.6	J	1	3.72	20.6	ug/l	FC068374.D
Aliphatic C16-C21	Aliphatic C16-C21	12.9	J	1	5.30	30.9	ug/l	FC068374.D
Aliphatic C21-C28	Aliphatic C21-C28	18.1	J	1	9.25	41.2	ug/l	FC068374.D
Aliphatic C28-C40	Aliphatic C28-C40	56.4	J	1	17.5	61.9	ug/l	FC068374.D
Aromatic C10-C12	Aromatic C10-C12	7.28	J	1	3.42	20.6	ug/l	FD049164.D
Aromatic C12-C16	Aromatic C12-C16	72.1		1	3.80	30.9	ug/l	FD049164.D
Aromatic C16-C21	Aromatic C16-C21	63.7		1	13.1	51.5	ug/l	FD049164.D
Aromatic C21-C36	Aromatic C21-C36	235		1	26.0	82.5	ug/l	FD049164.D
Total AliphaticEPH	Total AliphaticEPH	110	J		41.7	186	ug/l	
Total AromaticEPH	Total AromaticEPH	378			46.3	186	ug/l	
Total EPH	Total EPH	488			88.0	371	ug/l	

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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Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/04/25
Client Sample ID:	ENV-104-GW01	SDG No.:	Q1488
Lab Sample ID:	Q1488-14	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	970 Units: mL	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :	SW3510		

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068374.D	1	03/05/25	03/05/25	PB166976

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	6.57	J	5.94	30.9	ug/l
Aliphatic C12-C16	Aliphatic C12-C16	15.6	J	3.72	20.6	ug/l
Aliphatic C16-C21	Aliphatic C16-C21	12.9	J	5.30	30.9	ug/l
Aliphatic C21-C28	Aliphatic C21-C28	18.1	J	9.25	41.2	ug/l
Aliphatic C28-C40	Aliphatic C28-C40	56.4	J	17.5	61.9	ug/l
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	41.6		40 - 140	83%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1488-14	Acq On:	05 Mar 2025 19:04
Client Sample ID:	ENV-104-GW01	Operator:	YP/AJ
Data file:	FC068374.D	Misc:	
Instrument:	FID_C	ALS Vial:	16
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.102	6.366	449284	3.186	300	ug/ml
Aliphatic C12-C16	6.367	9.749	1033866	7.566	200	ug/ml
Aliphatic C16-C21	9.750	13.103	820660	6.235	300	ug/ml
Aliphatic C21-C28	13.104	16.755	1078800	8.793	400	ug/ml
Aliphatic C28-C40	16.756	21.556	2811569	27.338	600	ug/ml
Aliphatic EPH	3.102	21.556	6194179	53.116		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.836	12.836	4675167	41.57		ug/ml
Aliphatic C9-C28	3.102	16.755	3382610	25.78	1200	ug/ml