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:	03/06/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	FB03062025	SDG No.:	Q1514
Lab Sample ID:	Q1514-09	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	800 Units: mL	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :	SW3510		

Prep Date :	Date Analyzed :	Prep Batch ID
03/10/25 08:45	03/11/25 12:25	PB167056

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	8.75	J	1	7.20	37.5	ug/l	FC068396.D
Aliphatic C12-C16	Aliphatic C12-C16	13.1	J	1	4.51	25.0	ug/l	FC068396.D
Aliphatic C16-C21	Aliphatic C16-C21	10.0	J	1	6.42	37.5	ug/l	FC068396.D
Aliphatic C21-C28	Aliphatic C21-C28	11.2	U	1	11.2	50.0	ug/l	FC068396.D
Aliphatic C28-C40	Aliphatic C28-C40	50.4	J	1	21.2	75.0	ug/l	FC068396.D
Aromatic C10-C12	Aromatic C10-C12	5.40	J	1	4.15	25.0	ug/l	FD049186.D
Aromatic C12-C16	Aromatic C12-C16	8.56	J	1	4.61	37.5	ug/l	FD049186.D
Aromatic C16-C21	Aromatic C16-C21	30.4	J	1	15.9	62.5	ug/l	FD049186.D
Aromatic C21-C36	Aromatic C21-C36	46.4	J	1	31.5	100	ug/l	FD049186.D
Total AliphaticEPH	Total AliphaticEPH	82.3	J		50.5	225	ug/l	
Total AromaticEPH	Total AromaticEPH	90.8	J		56.2	225	ug/l	
Total EPH	Total EPH	173	J		107	450	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

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:	03/06/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	FB03062025	SDG No.:	Q1514
Lab Sample ID:	Q1514-09	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	800 Units: mL	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :	SW3510		

Prep Date :	Date Analyzed :	Prep Batch ID
03/10/25 08:45	03/11/25 12:25	PB167056

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	8.75	J	1	7.20	37.5	ug/l	FC068396.D
Aliphatic C12-C16	Aliphatic C12-C16	13.1	J	1	4.51	25.0	ug/l	FC068396.D
Aliphatic C16-C21	Aliphatic C16-C21	10.0	J	1	6.42	37.5	ug/l	FC068396.D
Aliphatic C21-C28	Aliphatic C21-C28	11.2	U	1	11.2	50.0	ug/l	FC068396.D
Aliphatic C28-C40	Aliphatic C28-C40	50.4	J	1	21.2	75.0	ug/l	FC068396.D
Aromatic C10-C12	Aromatic C10-C12	5.40	J	1	4.15	25.0	ug/l	FD049186.D
Aromatic C12-C16	Aromatic C12-C16	8.56	J	1	4.61	37.5	ug/l	FD049186.D
Aromatic C16-C21	Aromatic C16-C21	30.4	J	1	15.9	62.5	ug/l	FD049186.D
Aromatic C21-C36	Aromatic C21-C36	46.4	J	1	31.5	100	ug/l	FD049186.D
Total AliphaticEPH	Total AliphaticEPH	82.3	J		50.5	225	ug/l	
Total AromaticEPH	Total AromaticEPH	90.8	J		56.2	225	ug/l	
Total EPH	Total EPH	173	J		107	450	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

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:	03/06/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	FB03062025	SDG No.:	Q1514
Lab Sample ID:	Q1514-09	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	800 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
FC068396.D	1	03/10/25	03/11/25	PB167056

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	8.75	J	7.20	37.5	ug/l
Aliphatic C12-C16	Aliphatic C12-C16	13.1	J	4.51	25.0	ug/l
Aliphatic C16-C21	Aliphatic C16-C21	10.0	J	6.42	37.5	ug/l
Aliphatic C21-C28	Aliphatic C21-C28	11.2	U	11.2	50.0	ug/l
Aliphatic C28-C40	Aliphatic C28-C40	50.4	J	21.2	75.0	ug/l
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	48.1		40 - 140	96%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

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

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1514-09	Acq On:	11 Mar 2025 12:25
Client Sample ID:	FB03062025	Operator:	YP/AJ
Data file:	FC068396.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	3.101	6.364	512020	3.5	300	ug/ml
Aliphatic C12-C16	6.365	9.747	738886	5.24	200	ug/ml
Aliphatic C16-C21	9.748	13.100	549080	4.008	300	ug/ml
Aliphatic C21-C28	13.101	16.752	437170	3.33	400	ug/ml
Aliphatic C28-C40	16.753	21.552	2328191	20.173	600	ug/ml
Aliphatic EPH	3.101	21.552	4565347	36.252		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.833	12.833	5570305	48.09		ug/ml
Aliphatic C9-C28	3.101	16.752	2237156	16.078	1200	ug/ml