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:	04/26/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/28/25
Client Sample ID:	B-167-SB01	SDG No.:	Q1901
Lab Sample ID:	Q1901-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	82.6
Sample Wt/Vol:	30.08 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
05/07/25 13:37	05/08/25 18:31	PB167903

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.17	U	1	0.17	1.21	mg/kg	FC068800.D
Aliphatic C12-C16	Aliphatic C12-C16	0.17	J	1	0.13	0.81	mg/kg	FC068800.D
Aliphatic C16-C21	Aliphatic C16-C21	0.16	U	1	0.16	1.21	mg/kg	FC068800.D
Aliphatic C21-C28	Aliphatic C21-C28	0.64	U	1	0.64	1.61	mg/kg	FC068800.D
Aliphatic C28-C40	Aliphatic C28-C40	1.42	U	1	1.42	2.41	mg/kg	FC068800.D
Aromatic C10-C12	Aromatic C10-C12	0.37	J	1	0.14	0.81	mg/kg	FD049326.D
Aromatic C12-C16	Aromatic C12-C16	0.63	J	1	0.28	1.21	mg/kg	FD049326.D
Aromatic C16-C21	Aromatic C16-C21	5.47		1	0.48	2.01	mg/kg	FD049326.D
Aromatic C21-C36	Aromatic C21-C36	3.76		1	1.44	3.22	mg/kg	FD049326.D
Total AliphaticEPH	Total AliphaticEPH	2.52	U		2.52	7.25	mg/kg	
Total AromaticEPH	Total AromaticEPH	10.2			2.35	7.25	mg/kg	
Total EPH	Total EPH	10.4	J		4.87	14.5	mg/kg	

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:	04/26/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/28/25
Client Sample ID:	B-167-SB01	SDG No.:	Q1901
Lab Sample ID:	Q1901-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	82.6
Sample Wt/Vol:	30.08 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068800.D	1	05/07/25	05/08/25	PB167903

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	0.17	U	0.17	1.21	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	0.17	J	0.13	0.81	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	0.16	U	0.16	1.21	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	0.64	U	0.64	1.61	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	1.42	U	1.42	2.41	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	59.2		40 - 140	118%	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:	Q1901-02	Acq On:	08 May 2025 18:31
Client Sample ID:	B-167-SB01	Operator:	YP/AJ
Data file:	FC068800.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	3.342	6.642	120888	1.219	300	ug/ml
Aliphatic C12-C16	6.643	10.042	195175	2.145	200	ug/ml
Aliphatic C16-C21	10.043	13.408	0	0	300	ug/ml
Aliphatic C21-C28	13.409	17.072	0	0	400	ug/ml
Aliphatic C28-C40	17.073	22.071	0	0	600	ug/ml
Aliphatic EPH	3.342	22.071	316063	3.365		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.145	13.145	4752739	59.24		ug/ml
Aliphatic C9-C28	3.342	17.072	316063	3.364	1200	ug/ml