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:	04/06/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/07/25
Client Sample ID:	B-149-SB02	SDG No.:	Q1746
Lab Sample ID:	Q1746-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	84.8
Sample Wt/Vol:	30.05 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
04/08/25 10:10	04/11/25 3:09	PB167513

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.37	J	1	0.17	1.18	mg/kg	FC068569.D
Aliphatic C12-C16	Aliphatic C12-C16	1.84		1	0.13	0.79	mg/kg	FC068569.D
Aliphatic C16-C21	Aliphatic C16-C21	0.70	J	1	0.15	1.18	mg/kg	FC068569.D
Aliphatic C21-C28	Aliphatic C21-C28	0.62	U	1	0.62	1.57	mg/kg	FC068569.D
Aliphatic C28-C40	Aliphatic C28-C40	2.07	J	1	1.39	2.35	mg/kg	FC068569.D
Aromatic C10-C12	Aromatic C10-C12	0.51	J	1	0.14	0.79	mg/kg	FD049278.D
Aromatic C12-C16	Aromatic C12-C16	0.55	J	1	0.27	1.18	mg/kg	FD049278.D
Aromatic C16-C21	Aromatic C16-C21	3.84		1	0.47	1.96	mg/kg	FD049278.D
Aromatic C21-C36	Aromatic C21-C36	2.28	J	1	1.40	3.14	mg/kg	FD049278.D
Total AliphaticEPH	Total AliphaticEPH	4.97	J		2.46	7.07	mg/kg	
Total AromaticEPH	Total AromaticEPH	7.18			2.28	7.07	mg/kg	
Total EPH	Total EPH	12.2	J		4.75	14.1	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
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Total AliphaticEPH	Total AliphaticEPH	4.97	J		2.46	7.07	mg/kg	
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Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068569.D	1	04/08/25	04/11/25	PB167513

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Aliphatic C28-C40	Aliphatic C28-C40	2.07	J	1.39	2.35	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	58.6		40 - 140	117%	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:	Q1746-03	Acq On:	11 Apr 2025 03:09
Client Sample ID:	B-149-SB02	Operator:	YP/AJ
Data file:	FC068569.D	Misc:	
Instrument:	FID_C	ALS Vial:	28
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.345	6.644	493328	4.686	300	ug/ml
Aliphatic C12-C16	6.645	10.043	2396771	23.424	200	ug/ml
Aliphatic C16-C21	10.044	13.409	875258	8.857	300	ug/ml
Aliphatic C21-C28	13.410	17.073	466350	4.951	400	ug/ml
Aliphatic C28-C40	17.074	22.075	2373373	26.405	600	ug/ml
Aliphatic EPH	3.345	22.075	6605080	68.323		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.150	13.150	5440453	58.57		ug/ml
Aliphatic C9-C28	3.345	17.073	4231707	41.918	1200	ug/ml