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:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	B-202-SB01	SDG No.:	Q2177
Lab Sample ID:	Q2177-06	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	85.4
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
06/11/25 08:45	06/12/25 13:40	PB168408

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.24	J	1	0.16	1.17	mg/kg	FC069185.D
Aliphatic C12-C16	Aliphatic C12-C16	0.39	J	1	0.13	0.78	mg/kg	FC069185.D
Aliphatic C16-C21	Aliphatic C16-C21	0.34	J	1	0.15	1.17	mg/kg	FC069185.D
Aliphatic C21-C28	Aliphatic C21-C28	0.62	U	1	0.62	1.56	mg/kg	FC069185.D
Aliphatic C28-C40	Aliphatic C28-C40	1.82	J	1	1.38	2.34	mg/kg	FC069185.D
Aromatic C10-C12	Aromatic C10-C12	0.35	J	1	0.14	0.78	mg/kg	FD049459.D
Aromatic C12-C16	Aromatic C12-C16	0.41	J	1	0.27	1.17	mg/kg	FD049459.D
Aromatic C16-C21	Aromatic C16-C21	2.92		1	0.47	1.95	mg/kg	FD049459.D
Aromatic C21-C36	Aromatic C21-C36	2.05	J	1	1.39	3.12	mg/kg	FD049459.D
Total AliphaticEPH	Total AliphaticEPH	2.79	J		2.44	7.02	mg/kg	
Total AromaticEPH	Total AromaticEPH	5.73	J		2.27	7.02	mg/kg	
Total EPH	Total EPH	8.52	J		4.71	14.0	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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Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC069185.D	1	06/11/25	06/12/25	PB168408

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
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Aliphatic C28-C40	Aliphatic C28-C40		1.82	J	1.38	2.34	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		32.4		40 - 140	65%	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:	Q2177-06	Acq On:	12 Jun 2025 13:40
Client Sample ID:	B-202-SB01	Operator:	YP/AJ
Data file:	FC069185.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	3.305	6.606	328654	3.109	300	ug/ml
Aliphatic C12-C16	6.607	10.010	504678	4.949	200	ug/ml
Aliphatic C16-C21	10.011	13.380	428982	4.383	300	ug/ml
Aliphatic C21-C28	13.381	17.048	730151	7.784	400	ug/ml
Aliphatic C28-C40	17.049	22.036	2208942	23.39	600	ug/ml
Aliphatic EPH	3.305	22.036	4201407	43.615		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.115	13.115	2903246	32.36		ug/ml
Aliphatic C9-C28	3.305	17.048	1992465	20.225	1200	ug/ml