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-187-SB01	SDG No.:	Q2177
Lab Sample ID:	Q2177-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	84.2
Sample Wt/Vol:	30.06 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 12:59	PB168408

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	1.10	J	1	0.17	1.19	mg/kg	FC069184.D
Aliphatic C12-C16	Aliphatic C12-C16	3.37		1	0.13	0.79	mg/kg	FC069184.D
Aliphatic C16-C21	Aliphatic C16-C21	0.65	J	1	0.15	1.19	mg/kg	FC069184.D
Aliphatic C21-C28	Aliphatic C21-C28	5.91		1	0.63	1.58	mg/kg	FC069184.D
Aliphatic C28-C40	Aliphatic C28-C40	6.40		1	1.40	2.37	mg/kg	FC069184.D
Aromatic C10-C12	Aromatic C10-C12	0.46	J	1	0.14	0.79	mg/kg	FD049482.D
Aromatic C12-C16	Aromatic C12-C16	0.63	J	1	0.27	1.19	mg/kg	FD049482.D
Aromatic C16-C21	Aromatic C16-C21	2.27		1	0.47	1.98	mg/kg	FD049482.D
Aromatic C21-C36	Aromatic C21-C36	1.89	J	1	1.41	3.16	mg/kg	FD049482.D
Total AliphaticEPH	Total AliphaticEPH	17.4			2.48	7.12	mg/kg	
Total AromaticEPH	Total AromaticEPH	5.25	J		2.30	7.12	mg/kg	
Total EPH	Total EPH	22.7			4.78	14.2	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

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Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
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Lab Sample ID:	Q2177-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	84.2
Sample Wt/Vol:	30.06 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC069184.D	1	06/11/25	06/12/25	PB168408

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12		1.10	J	0.17	1.19	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16		3.37		0.13	0.79	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21		0.65	J	0.15	1.19	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28		5.91		0.63	1.58	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		6.40		1.40	2.37	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		62.5		40 - 140	125%	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:	Q2177-02	Acq On:	12 Jun 2025 12:59
Client Sample ID:	B-187-SB01	Operator:	YP/AJ
Data file:	FC069184.D	Misc:	
Instrument:	FID_C	ALS Vial:	11
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.305	6.606	1466205	13.869	300	ug/ml
Aliphatic C12-C16	6.607	10.010	4348269	42.636	200	ug/ml
Aliphatic C16-C21	10.011	13.380	808828	8.265	300	ug/ml
Aliphatic C21-C28	13.381	17.048	7021300	74.851	400	ug/ml
Aliphatic C28-C40	17.049	22.036	7653268	81.039	600	ug/ml
Aliphatic EPH	3.305	22.036	21297870	220.66		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.119	13.119	5605383	62.48		ug/ml
Aliphatic C9-C28	3.305	17.048	13644602	139.621	1200	ug/ml