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:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	B-149-SB01MSD	SDG No.:	Q1746
Lab Sample ID:	Q1746-01MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.3
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
04/08/25 10:10	04/11/25 2:32	PB167513

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	5.41		1	0.16	1.12	mg/kg	FC068568.D
Aliphatic C12-C16	Aliphatic C12-C16	7.48		1	0.12	0.75	mg/kg	FC068568.D
Aliphatic C16-C21	Aliphatic C16-C21	10.0		1	0.14	1.12	mg/kg	FC068568.D
Aliphatic C21-C28	Aliphatic C21-C28	12.9		1	0.59	1.49	mg/kg	FC068568.D
Aliphatic C28-C40	Aliphatic C28-C40	20.9		1	1.32	2.24	mg/kg	FC068568.D
Aromatic C10-C12	Aromatic C10-C12	3.09		1	0.13	0.75	mg/kg	FD049277.D
Aromatic C12-C16	Aromatic C12-C16	6.69		1	0.26	1.12	mg/kg	FD049277.D
Aromatic C16-C21	Aromatic C16-C21	18.0		1	0.45	1.86	mg/kg	FD049277.D
Aromatic C21-C36	Aromatic C21-C36	30.0		1	1.33	2.98	mg/kg	FD049277.D
Total AliphaticEPH	Total AliphaticEPH	56.7			2.34	6.71	mg/kg	
Total AromaticEPH	Total AromaticEPH	57.8			2.17	6.71	mg/kg	
Total EPH	Total EPH	114			4.50	13.4	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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Lab Sample ID:	Q1746-01MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.3
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
FC068568.D	1	04/08/25	04/11/25	PB167513

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
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Aliphatic C21-C28	Aliphatic C21-C28	12.9		0.59	1.49	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	20.9		1.32	2.24	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	40.4		40 - 140	81%	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:	Q1746-01MSD	Acq On:	11 Apr 2025 02:32
Client Sample ID:	Q1746-01MSD	Operator:	YP/AJ
Data file:	FC068568.D	Misc:	
Instrument:	FID_C	ALS Vial:	27
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.345	6.644	7650872	72.67	300	ug/ml
Aliphatic C12-C16	6.645	10.043	10268534	100.355	200	ug/ml
Aliphatic C16-C21	10.044	13.409	13273967	134.329	300	ug/ml
Aliphatic C21-C28	13.410	17.073	16271859	172.764	400	ug/ml
Aliphatic C28-C40	17.074	22.075	25154299	279.857	600	ug/ml
Aliphatic EPH	3.345	22.075	72619531	759.975		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.148	13.148	3752451	40.4		ug/ml
Aliphatic C9-C28	3.345	17.073	47465232	480.118	1200	ug/ml