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:	02/22/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	02/24/25
Client Sample ID:	B-172-SB02	SDG No.:	Q1415
Lab Sample ID:	Q1415-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.7
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
02/27/25 13:10	02/28/25 14:40	PB166923

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.66	J	1	0.42	1.11	mg/kg	FC068328.D
Aliphatic C12-C16	Aliphatic C12-C16	0.92		1	0.27	0.74	mg/kg	FC068328.D
Aliphatic C16-C21	Aliphatic C16-C21	0.33	U	1	0.33	1.11	mg/kg	FC068328.D
Aliphatic C21-C28	Aliphatic C21-C28	0.89	U	1	0.89	1.48	mg/kg	FC068328.D
Aliphatic C28-C40	Aliphatic C28-C40	2.00	U	1	2.00	2.22	mg/kg	FC068328.D
Aromatic C10-C12	Aromatic C10-C12	0.33	U	1	0.33	0.74	mg/kg	FD049136.D
Aromatic C12-C16	Aromatic C12-C16	0.46	J	1	0.38	1.11	mg/kg	FD049136.D
Aromatic C16-C21	Aromatic C16-C21	1.41	J	1	1.07	1.85	mg/kg	FD049136.D
Aromatic C21-C36	Aromatic C21-C36	2.26	J	1	2.22	2.96	mg/kg	FD049136.D
Total AliphaticEPH	Total AliphaticEPH	3.91	U		3.91	6.66	mg/kg	
Total AromaticEPH	Total AromaticEPH	4.13	J		4.00	6.66	mg/kg	
Total EPH	Total EPH	7.92	U		7.92	13.3	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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Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
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Total AromaticEPH	Total AromaticEPH	4.13	J		4.00	6.66	mg/kg	
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Project:	Amtrak Sawtooth Bridges 2025	Date Received:	02/24/25
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Lab Sample ID:	Q1415-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.7
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
FC068328.D	1	02/27/25	02/28/25	PB166923

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
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Aliphatic C21-C28	Aliphatic C21-C28		0.89	U	0.89	1.48	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		2.00	U	2.00	2.22	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		34.9		40 - 140	70%	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:	Q1415-04	Acq On:	28 Feb 2025 14:40
Client Sample ID:	B-172-SB02	Operator:	YP/AJ
Data file:	FC068328.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	3.104	6.369	1259624	8.931	300	ug/ml
Aliphatic C12-C16	6.370	9.754	1701567	12.452	200	ug/ml
Aliphatic C16-C21	9.755	13.107	496518	3.772	300	ug/ml
Aliphatic C21-C28	13.108	16.761	472897	3.854	400	ug/ml
Aliphatic C28-C40	16.762	21.565	2667948	25.941	600	ug/ml
Aliphatic EPH	3.104	21.565	6598554	54.95		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.840	12.840	3923025	34.88		ug/ml
Aliphatic C9-C28	3.104	16.761	3930606	29.009	1200	ug/ml