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 2024			Date Received:	
Client Sample ID:	WB-305-BOTMS			SDG No.:	P4578
Lab Sample ID:	P4578-05MS			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	82.1
Sample Wt/Vol:	30.01	Units:	g	Final Vol:	2000 uL
Soil Aliquot Vol:			uL	Test:	EPH
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
10/30/24 08:20	10/30/24 20:30	PB164525

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	8.45		1	0.46	1.22	mg/kg	FC067573.D
Aliphatic C12-C16	Aliphatic C12-C16	8.05		1	0.29	0.81	mg/kg	FC067573.D
Aliphatic C16-C21	Aliphatic C16-C21	12.4		1	0.37	1.22	mg/kg	FC067573.D
Aliphatic C21-C28	Aliphatic C21-C28	16.8		1	0.97	1.62	mg/kg	FC067573.D
Aliphatic C28-C40	Aliphatic C28-C40	28.8		1	2.19	2.44	mg/kg	FC067573.D
Aromatic C10-C12	Aromatic C10-C12	4.38		1	0.37	0.81	mg/kg	FD048630.D
Aromatic C12-C16	Aromatic C12-C16	9.67		1	0.41	1.22	mg/kg	FD048630.D
Aromatic C16-C21	Aromatic C16-C21	18.9		1	1.17	2.03	mg/kg	FD048630.D
Aromatic C21-C36	Aromatic C21-C36	29.9		1	2.44	3.25	mg/kg	FD048630.D
Total AliphaticEPH	Total AliphaticEPH	74.5			4.28	7.31	mg/kg	
Total AromaticEPH	Total AromaticEPH	62.9			4.39	7.31	mg/kg	
Total EPH	Total EPH	137			8.67	14.6	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:	P4578-05MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	82.1
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC067573.D	1	10/30/24	10/30/24	PB164525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	8.45		0.46	1.22	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	8.05		0.29	0.81	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	12.4		0.37	1.22	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	16.8		0.97	1.62	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	28.8		2.19	2.44	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	47.7		40 - 140	95%	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:	P4578-05MS	Acq On:	30 Oct 2024 20:30
Client Sample ID:	WB-305-BOTMS	Operator:	YP/AJ
Data file:	FC067573.D	Misc:	
Instrument:	FID_C	ALS Vial:	19
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.174	6.453	14109603	104.153	300	ug/ml
Aliphatic C12-C16	6.454	9.842	13057818	99.162	200	ug/ml
Aliphatic C16-C21	9.843	13.199	19455440	152.909	300	ug/ml
Aliphatic C21-C28	13.200	16.852	24870492	207.098	400	ug/ml
Aliphatic C28-C40	16.853	21.694	35898622	355.104	600	ug/ml
Aliphatic EPH	3.174	21.694	107391975	918.427		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.933	12.933	5150146	47.69		ug/ml
Aliphatic C9-C28	3.174	16.852	71493353	563.322	1200	ug/ml