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:	12/15/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	12/16/24
Client Sample ID:	SB-02	SDG No.:	P5299
Lab Sample ID:	P5299-02	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	75.5
Sample Wt/Vol:	7.22 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020639.D	1		12/18/24 16:27	VY121824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.50	U	1.50	4.60	ug/Kg
74-87-3	Chloromethane	1.10	U	1.10	4.60	ug/Kg
75-01-4	Vinyl Chloride	0.71	U	0.71	4.60	ug/Kg
74-83-9	Bromomethane	0.94	U	0.94	4.60	ug/Kg
75-00-3	Chloroethane	0.93	U	0.93	4.60	ug/Kg
75-69-4	Trichlorofluoromethane	0.83	U	0.83	4.60	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.98	U	0.98	4.60	ug/Kg
75-35-4	1,1-Dichloroethene	0.72	U	0.72	4.60	ug/Kg
67-64-1	Acetone	51.1		5.70	22.9	ug/Kg
75-15-0	Carbon Disulfide	1.20	U	1.20	4.60	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.61	U	0.61	4.60	ug/Kg
79-20-9	Methyl Acetate	1.70	U	1.70	4.60	ug/Kg
75-09-2	Methylene Chloride	4.90	J	3.10	9.20	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.77	U	0.77	4.60	ug/Kg
75-34-3	1,1-Dichloroethane	0.58	U	0.58	4.60	ug/Kg
110-82-7	Cyclohexane	0.63	U	0.63	4.60	ug/Kg
78-93-3	2-Butanone	10.1	J	5.20	22.9	ug/Kg
56-23-5	Carbon Tetrachloride	0.80	U	0.80	4.60	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.56	U	0.56	4.60	ug/Kg
74-97-5	Bromochloromethane	2.20	U	2.20	4.60	ug/Kg
67-66-3	Chloroform	0.61	U	0.61	4.60	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.72	U	0.72	4.60	ug/Kg
108-87-2	Methylcyclohexane	0.80	U	0.80	4.60	ug/Kg
71-43-2	Benzene	0.66	U	0.66	4.60	ug/Kg
107-06-2	1,2-Dichloroethane	0.56	U	0.56	4.60	ug/Kg
79-01-6	Trichloroethene	0.69	U	0.69	4.60	ug/Kg
78-87-5	1,2-Dichloropropane	0.61	U	0.61	4.60	ug/Kg
75-27-4	Bromodichloromethane	0.51	U	0.51	4.60	ug/Kg
108-10-1	4-Methyl-2-Pentanone	4.00	U	4.00	22.9	ug/Kg
108-88-3	Toluene	0.61	U	0.61	4.60	ug/Kg

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:	12/15/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	12/16/24
Client Sample ID:	SB-02	SDG No.:	P5299
Lab Sample ID:	P5299-02	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	75.5
Sample Wt/Vol:	7.22 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020639.D	1		12/18/24 16:27	VY121824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.55	U	0.55	4.60	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.52	U	0.52	4.60	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.77	U	0.77	4.60	ug/Kg
591-78-6	2-Hexanone	4.40	U	4.40	22.9	ug/Kg
124-48-1	Dibromochloromethane	0.60	U	0.60	4.60	ug/Kg
106-93-4	1,2-Dibromoethane	0.72	U	0.72	4.60	ug/Kg
127-18-4	Tetrachloroethene	0.82	U	0.82	4.60	ug/Kg
108-90-7	Chlorobenzene	0.68	U	0.68	4.60	ug/Kg
100-41-4	Ethyl Benzene	0.57	U	0.57	4.60	ug/Kg
179601-23-1	m/p-Xylenes	1.20	U	1.20	9.20	ug/Kg
95-47-6	o-Xylene	0.64	U	0.64	4.60	ug/Kg
100-42-5	Styrene	0.55	U	0.55	4.60	ug/Kg
75-25-2	Bromoform	0.74	U	0.74	4.60	ug/Kg
98-82-8	Isopropylbenzene	0.61	U	0.61	4.60	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	1.00	4.60	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.68	U	0.68	4.60	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.73	U	0.73	4.60	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.54	U	0.54	4.60	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.40	U	1.40	4.60	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.72	U	0.72	4.60	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.72	U	0.72	4.60	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.8		70 (50) - 130 (163)	100%	SPK: 50
1868-53-7	Dibromofluoromethane	45.2		70 (54) - 130 (147)	90%	SPK: 50
2037-26-5	Toluene-d8	48.9		70 (58) - 130 (134)	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	40.4		70 (29) - 130 (146)	81%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	192000	7.707			
540-36-3	1,4-Difluorobenzene	339000	8.615			
3114-55-4	Chlorobenzene-d5	295000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	123000	13.346			
TENTATIVE IDENTIFIED COMPOUNDS						

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:	12/15/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	12/16/24
Client Sample ID:	SB-02	SDG No.:	P5299
Lab Sample ID:	P5299-02	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	75.5
Sample Wt/Vol:	7.22 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020639.D	1		12/18/24 16:27	VY121824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
	unknown1.812	75.9	J		1.81	ug/Kg
001120-21-4	Undecane	140	J		13.7	ug/Kg
1000152-47-3	trans-Decalin, 2-methyl-	130	J		14.2	ug/Kg
000112-40-3	Dodecane	160	J		14.5	ug/Kg
017301-23-4	Undecane, 2,6-dimethyl-	120	J		14.7	ug/Kg
001560-97-0	Dodecane, 2-methyl-	72.5	J		15.1	ug/Kg
002051-30-1	Octane, 2,6-dimethyl-	120	J		15.1	ug/Kg
000629-50-5	Tridecane	200	J		15.3	ug/Kg
003891-98-3	Dodecane, 2,6,10-trimethyl-	88.3	J		16.1	ug/Kg
000629-59-4	Tetradecane	180	J		16.3	ug/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
M = MS/MSD acceptance 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
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products