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:	10/25/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/25/24
Client Sample ID:	WB-305-BOT	SDG No.:	P4578
Lab Sample ID:	P4578-05	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	82.1
Sample Wt/Vol:	8.09 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
VY020062.D	1		10/29/24 15:36	VY102924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.20	U	1.20	3.80	ug/Kg
74-87-3	Chloromethane	0.87	U	0.87	3.80	ug/Kg
75-01-4	Vinyl Chloride	0.58	U	0.58	3.80	ug/Kg
74-83-9	Bromomethane	0.78	U	0.78	3.80	ug/Kg
75-00-3	Chloroethane	0.76	U	0.76	3.80	ug/Kg
75-69-4	Trichlorofluoromethane	0.69	U	0.69	3.80	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.81	U	0.81	3.80	ug/Kg
75-35-4	1,1-Dichloroethene	0.59	U	0.59	3.80	ug/Kg
67-64-1	Acetone	4.70	U	4.70	18.8	ug/Kg
75-15-0	Carbon Disulfide	1.70	J	0.96	3.80	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.50	3.80	ug/Kg
79-20-9	Methyl Acetate	1.40	U	1.40	3.80	ug/Kg
75-09-2	Methylene Chloride	2.60	U	2.60	7.50	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.63	U	0.63	3.80	ug/Kg
75-34-3	1,1-Dichloroethane	0.47	U	0.47	3.80	ug/Kg
110-82-7	Cyclohexane	0.52	U	0.52	3.80	ug/Kg
78-93-3	2-Butanone	4.30	U	4.30	18.8	ug/Kg
56-23-5	Carbon Tetrachloride	0.65	U	0.65	3.80	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.46	U	0.46	3.80	ug/Kg
74-97-5	Bromochloromethane	1.80	U	1.80	3.80	ug/Kg
67-66-3	Chloroform	0.50	U	0.50	3.80	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.59	U	0.59	3.80	ug/Kg
108-87-2	Methylcyclohexane	0.65	U	0.65	3.80	ug/Kg
71-43-2	Benzene	0.54	U	0.54	3.80	ug/Kg
107-06-2	1,2-Dichloroethane	0.46	U	0.46	3.80	ug/Kg
79-01-6	Trichloroethene	0.56	U	0.56	3.80	ug/Kg
78-87-5	1,2-Dichloropropane	0.50	U	0.50	3.80	ug/Kg
75-27-4	Bromodichloromethane	0.42	U	0.42	3.80	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.30	U	3.30	18.8	ug/Kg
108-88-3	Toluene	0.50	U	0.50	3.80	ug/Kg

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VY020062.D	1		10/29/24 15:36	VY102924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.45	U	0.45	3.80	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.43	U	0.43	3.80	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.63	U	0.63	3.80	ug/Kg
591-78-6	2-Hexanone	3.60	U	3.60	18.8	ug/Kg
124-48-1	Dibromochloromethane	0.49	U	0.49	3.80	ug/Kg
106-93-4	1,2-Dibromoethane	0.59	U	0.59	3.80	ug/Kg
127-18-4	Tetrachloroethene	0.67	U	0.67	3.80	ug/Kg
108-90-7	Chlorobenzene	0.56	U	0.56	3.80	ug/Kg
100-41-4	Ethyl Benzene	0.47	U	0.47	3.80	ug/Kg
179601-23-1	m/p-Xylenes	1.00	U	1.00	7.50	ug/Kg
95-47-6	o-Xylene	0.53	U	0.53	3.80	ug/Kg
100-42-5	Styrene	0.45	U	0.45	3.80	ug/Kg
75-25-2	Bromoform	0.61	U	0.61	3.80	ug/Kg
98-82-8	Isopropylbenzene	0.50	U	0.50	3.80	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.83	U	0.83	3.80	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.56	U	0.56	3.80	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.60	U	0.60	3.80	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.44	U	0.44	3.80	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.20	U	1.20	3.80	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.59	U	0.59	3.80	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.59	U	0.59	3.80	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	58.5		70 (50) - 130 (163)	117%	SPK: 50
1868-53-7	Dibromofluoromethane	49.5		70 (54) - 130 (147)	99%	SPK: 50
2037-26-5	Toluene-d8	51.0		70 (58) - 130 (134)	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	43.8		70 (29) - 130 (146)	88%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	171000	7.713			
540-36-3	1,4-Difluorobenzene	365000	8.615			
3114-55-4	Chlorobenzene-d5	339000	11.413			
3855-82-1	1,4-Dichlorobenzene-d4	127000	13.346			
TENTATIVE IDENTIFIED COMPOUNDS						

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CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
001758-88-9	Benzene, 2-ethyl-1,4-dimethyl-	8.30	J		13.6	ug/Kg
000099-87-6	p-Cymene	7.20	J		13.8	ug/Kg
000933-98-2	Benzene, 1-ethyl-2,3-dimethyl-	20.1	J		13.9	ug/Kg
062338-57-2	1,4-Cyclohexadiene, 3-ethenyl-1,2-	7.60	J		14.0	ug/Kg
000095-93-2	Benzene, 1,2,4,5-tetramethyl-	17.3	J		14.2	ug/Kg
000934-74-7	Benzene, 1-ethyl-3,5-dimethyl-	23.7	J		14.3	ug/Kg
002050-24-0	Benzene, 1,3-diethyl-5-methyl-	8.20	J		14.3	ug/Kg
000874-35-1	1H-Indene, 2,3-dihydro-5-methyl-	8.50	J		14.5	ug/Kg
000527-84-4	o-Cymene	6.70	J		14.5	ug/Kg
002214-14-4	Cyclopropane, 1-methyl-1-phenyl-	23.1	J		14.6	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