

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:	P5299-04		Matrix:	SOIL	
Analytical Method:	SW8260		% Solid:	79.2	
Sample Wt/Vol:	6.77	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
VY020635.D	1		12/18/24 14:54	VY121824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.50	U	1.50	4.70	ug/Kg
74-87-3	Chloromethane	1.10	U	1.10	4.70	ug/Kg
75-01-4	Vinyl Chloride	0.72	U	0.72	4.70	ug/Kg
74-83-9	Bromomethane	0.96	U	0.96	4.70	ug/Kg
75-00-3	Chloroethane	0.94	U	0.94	4.70	ug/Kg
75-69-4	Trichlorofluoromethane	0.85	U	0.85	4.70	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	1.00	4.70	ug/Kg
75-35-4	1,1-Dichloroethene	0.73	U	0.73	4.70	ug/Kg
67-64-1	Acetone	32.2		5.80	23.3	ug/Kg
75-15-0	Carbon Disulfide	1.20	U	1.20	4.70	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.62	U	0.62	4.70	ug/Kg
79-20-9	Methyl Acetate	1.70	U	1.70	4.70	ug/Kg
75-09-2	Methylene Chloride	3.20	U	3.20	9.30	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.78	U	0.78	4.70	ug/Kg
75-34-3	1,1-Dichloroethane	0.59	U	0.59	4.70	ug/Kg
110-82-7	Cyclohexane	0.64	U	0.64	4.70	ug/Kg
78-93-3	2-Butanone	7.60	J	5.30	23.3	ug/Kg
56-23-5	Carbon Tetrachloride	0.81	U	0.81	4.70	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.57	U	0.57	4.70	ug/Kg
74-97-5	Bromochloromethane	2.30	U	2.30	4.70	ug/Kg
67-66-3	Chloroform	0.62	U	0.62	4.70	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.73	U	0.73	4.70	ug/Kg
108-87-2	Methylcyclohexane	0.81	U	0.81	4.70	ug/Kg
71-43-2	Benzene	0.67	U	0.67	4.70	ug/Kg
107-06-2	1,2-Dichloroethane	0.57	U	0.57	4.70	ug/Kg
79-01-6	Trichloroethene	0.70	U	0.70	4.70	ug/Kg
78-87-5	1,2-Dichloropropane	0.62	U	0.62	4.70	ug/Kg
75-27-4	Bromodichloromethane	0.52	U	0.52	4.70	ug/Kg
108-10-1	4-Methyl-2-Pentanone	4.10	U	4.10	23.3	ug/Kg
108-88-3	Toluene	0.62	U	0.62	4.70	ug/Kg

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10061-02-6	t-1,3-Dichloropropene	0.56	U	0.56	4.70	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.53	U	0.53	4.70	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.78	U	0.78	4.70	ug/Kg
591-78-6	2-Hexanone	4.50	U	4.50	23.3	ug/Kg
124-48-1	Dibromochloromethane	0.61	U	0.61	4.70	ug/Kg
106-93-4	1,2-Dibromoethane	0.74	U	0.74	4.70	ug/Kg
127-18-4	Tetrachloroethene	0.83	U	0.83	4.70	ug/Kg
108-90-7	Chlorobenzene	0.69	U	0.69	4.70	ug/Kg
100-41-4	Ethyl Benzene	0.58	U	0.58	4.70	ug/Kg
179601-23-1	m/p-Xylenes	1.30	U	1.30	9.30	ug/Kg
95-47-6	o-Xylene	0.65	U	0.65	4.70	ug/Kg
100-42-5	Styrene	0.56	U	0.56	4.70	ug/Kg
75-25-2	Bromoform	0.76	U	0.76	4.70	ug/Kg
98-82-8	Isopropylbenzene	0.62	U	0.62	4.70	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	1.00	4.70	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.69	U	0.69	4.70	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.75	U	0.75	4.70	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.55	U	0.55	4.70	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.50	U	1.50	4.70	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.74	U	0.74	4.70	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.73	U	0.73	4.70	ug/Kg

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	58.5	70 (50) - 130 (163)	117%	SPK: 50
1868-53-7	Dibromofluoromethane	40.3	70 (54) - 130 (147)	81%	SPK: 50
2037-26-5	Toluene-d8	48.7	70 (58) - 130 (134)	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	41.0	70 (29) - 130 (146)	82%	SPK: 50

INTERNAL STANDARDS

363-72-4	Pentafluorobenzene	158000	7.707
540-36-3	1,4-Difluorobenzene	310000	8.61
3114-55-4	Chlorobenzene-d5	270000	11.414
3855-82-1	1,4-Dichlorobenzene-d4	117000	13.347

TENTATIVE IDENTIFIED COMPOUNDS

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001120-21-4	Undecane	110	J		13.7	ug/Kg
002958-76-1	Naphthalene, decahydro-2-methyl-	82.8	J		14.2	ug/Kg
000112-40-3	Dodecane	99.9	J		14.5	ug/Kg
017301-23-4	Undecane, 2,6-dimethyl-	80.4	J		14.6	ug/Kg
1000111-72-3	cis,trans-1,6-Dimethylspiro[4.5]de	45.9	J		14.8	ug/Kg
	unknown15.054	46.2	J		15.1	ug/Kg
061141-72-8	Dodecane, 4,6-dimethyl-	71.9	J		15.1	ug/Kg
000629-50-5	Tridecane	110	J		15.3	ug/Kg
031295-56-4	Dodecane, 2,6,11-trimethyl-	45.9	J		16.0	ug/Kg
000629-59-4	Tetradecane	92.8	J		16.2	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