

Analytical Sequence

Client: Portal Partners Tri-Venture	SDG No.: Q1901
Project: Amtrak Sawtooth Bridges 2025	Instrument ID: ECD_O
GC Column: ZB-MR1	ID: 0.32 (mm) Inst. Calib. Date(s): 04/10/2025 04/10/2025

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES,
AND STANDARDS IS GIVEN BELOW:

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
IBLK	IBLK	04/10/2025	09:17	PO110348.D	8.73	3.69
AR1660ICC1000	AR1660ICC1000	04/10/2025	09:36	PO110349.D	8.73	3.69
AR1660ICC750	AR1660ICC750	04/10/2025	09:54	PO110350.D	8.73	3.69
AR1660ICC500	AR1660ICC500	04/10/2025	10:13	PO110351.D	8.73	3.69
AR1660ICC250	AR1660ICC250	04/10/2025	10:31	PO110352.D	8.73	3.69
AR1660ICC050	AR1660ICC050	04/10/2025	10:49	PO110353.D	8.73	3.69
AR1221ICC500	AR1221ICC500	04/10/2025	11:08	PO110354.D	8.73	3.69
AR1232ICC500	AR1232ICC500	04/10/2025	11:26	PO110355.D	8.73	3.69
AR1242ICC1000	AR1242ICC1000	04/10/2025	11:44	PO110356.D	8.73	3.69
AR1242ICC750	AR1242ICC750	04/10/2025	12:03	PO110357.D	8.73	3.69
AR1242ICC500	AR1242ICC500	04/10/2025	12:21	PO110358.D	8.73	3.69
AR1242ICC250	AR1242ICC250	04/10/2025	12:39	PO110359.D	8.73	3.69
AR1242ICC050	AR1242ICC050	04/10/2025	12:58	PO110360.D	8.73	3.69
AR1248ICC1000	AR1248ICC1000	04/10/2025	13:16	PO110361.D	8.73	3.69
AR1248ICC750	AR1248ICC750	04/10/2025	13:35	PO110362.D	8.73	3.69
AR1248ICC500	AR1248ICC500	04/10/2025	13:53	PO110363.D	8.73	3.69
AR1248ICC250	AR1248ICC250	04/10/2025	14:11	PO110364.D	8.73	3.69
AR1248ICC050	AR1248ICC050	04/10/2025	14:30	PO110365.D	8.73	3.69
AR1254ICC1000	AR1254ICC1000	04/10/2025	14:48	PO110366.D	8.73	3.69
AR1254ICC750	AR1254ICC750	04/10/2025	15:06	PO110367.D	8.73	3.69
AR1254ICC500	AR1254ICC500	04/10/2025	15:25	PO110368.D	8.73	3.69
AR1254ICC250	AR1254ICC250	04/10/2025	15:43	PO110369.D	8.73	3.69
AR1254ICC050	AR1254ICC050	04/10/2025	16:02	PO110370.D	8.73	3.69
AR1262ICC500	AR1262ICC500	04/10/2025	16:20	PO110371.D	8.73	3.69
AR1268ICC1000	AR1268ICC1000	04/10/2025	16:38	PO110372.D	8.73	3.69
AR1268ICC750	AR1268ICC750	04/10/2025	16:57	PO110373.D	8.73	3.69
AR1268ICC500	AR1268ICC500	04/10/2025	17:15	PO110374.D	8.73	3.69
AR1268ICC250	AR1268ICC250	04/10/2025	17:33	PO110375.D	8.73	3.69
AR1268ICC050	AR1268ICC050	04/10/2025	17:52	PO110376.D	8.73	3.69
AR1660CCC500	AR1660CCC500	04/29/2025	09:24	PO110846.D	8.73	3.69
IBLK	IBLK	04/29/2025	10:40	PO110850.D	8.73	3.69
B-170-SB02	Q1901-05	04/29/2025	13:36	PO110856.D	8.73	3.69
AR1660CCC500	AR1660CCC500	04/29/2025	15:58	PO110861.D	8.73	3.69
IBLK	IBLK	04/29/2025	17:29	PO110865.D	8.73	3.69
VNJ-210MS	Q1904-01MS	04/29/2025	18:05	PO110867.D	8.73	3.68
VNJ-210MSD	Q1904-01MSD	04/29/2025	18:23	PO110868.D	8.73	3.69
FB04262025	Q1901-06	04/29/2025	20:14	PO110874.D	8.73	3.69
AR1660CCC500	AR1660CCC500	04/29/2025	22:00	PO110876.D	8.73	3.69
IBLK	IBLK	04/29/2025	23:31	PO110880.D	8.73	3.69
IBLK	IBLK	04/22/2025	10:13	PP071388.D	10.23	4.51
AR1660ICC1000	AR1660ICC1000	04/22/2025	10:29	PP071389.D	10.23	4.51
AR1660ICC750	AR1660ICC750	04/22/2025	10:45	PP071390.D	10.23	4.51

Analytical Sequence

AR1660ICC500	AR1660ICC500	04/22/2025	11:02	PP071391.D	10.24	4.52
AR1660ICC250	AR1660ICC250	04/22/2025	11:18	PP071392.D	10.23	4.51
AR1660ICC050	AR1660ICC050	04/22/2025	11:34	PP071393.D	10.24	4.52
AR1221ICC500	AR1221ICC500	04/22/2025	11:51	PP071394.D	10.23	4.51
AR1232ICC500	AR1232ICC500	04/22/2025	12:07	PP071395.D	10.23	4.52
AR1242ICC1000	AR1242ICC1000	04/22/2025	12:23	PP071396.D	10.23	4.51
AR1242ICC750	AR1242ICC750	04/22/2025	12:39	PP071397.D	10.24	4.52
AR1242ICC500	AR1242ICC500	04/22/2025	12:56	PP071398.D	10.24	4.51
AR1242ICC250	AR1242ICC250	04/22/2025	13:12	PP071399.D	10.23	4.51
AR1242ICC050	AR1242ICC050	04/22/2025	13:28	PP071400.D	10.24	4.52
AR1248ICC1000	AR1248ICC1000	04/22/2025	13:45	PP071401.D	10.24	4.52
AR1248ICC750	AR1248ICC750	04/22/2025	14:01	PP071402.D	10.24	4.52
AR1248ICC500	AR1248ICC500	04/22/2025	14:17	PP071403.D	10.24	4.51
AR1248ICC250	AR1248ICC250	04/22/2025	14:33	PP071404.D	10.24	4.51
AR1248ICC050	AR1248ICC050	04/22/2025	14:50	PP071405.D	10.24	4.51
AR1254ICC1000	AR1254ICC1000	04/22/2025	15:06	PP071406.D	10.24	4.52
AR1254ICC750	AR1254ICC750	04/22/2025	15:22	PP071407.D	10.24	4.52
AR1254ICC500	AR1254ICC500	04/22/2025	15:38	PP071408.D	10.24	4.52
AR1254ICC250	AR1254ICC250	04/22/2025	15:55	PP071409.D	10.23	4.51
AR1254ICC050	AR1254ICC050	04/22/2025	16:11	PP071410.D	10.24	4.51
AR1262ICC500	AR1262ICC500	04/22/2025	16:27	PP071411.D	10.24	4.52
AR1268ICC1000	AR1268ICC1000	04/22/2025	16:44	PP071412.D	10.24	4.51
AR1268ICC750	AR1268ICC750	04/22/2025	17:00	PP071413.D	10.23	4.52
AR1268ICC500	AR1268ICC500	04/22/2025	17:16	PP071414.D	10.24	4.52
AR1268ICC250	AR1268ICC250	04/22/2025	17:33	PP071415.D	10.24	4.52
AR1268ICC050	AR1268ICC050	04/22/2025	17:49	PP071416.D	10.24	4.51
AR1660CCC500	AR1660CCC500	04/29/2025	10:33	PP071599.D	10.23	4.51
I.BLK	I.BLK	04/29/2025	11:40	PP071603.D	10.23	4.51
PB167776BL	PB167776BL	04/29/2025	13:30	PP071607.D	10.23	4.51
PB167776BS	PB167776BS	04/29/2025	13:46	PP071608.D	10.23	4.51
AR1660CCC500	AR1660CCC500	04/29/2025	16:29	PP071614.D	10.23	4.51
I.BLK	I.BLK	04/29/2025	17:51	PP071618.D	10.23	4.51
B-167-SB01	Q1901-02	04/29/2025	18:56	PP071622.D	10.23	4.51
B-167-SB02	Q1901-04	04/29/2025	19:12	PP071623.D	10.23	4.52
PB167782BL	PB167782BL	04/29/2025	19:29	PP071624.D	10.23	4.51
PB167782BS	PB167782BS	04/29/2025	19:45	PP071625.D	10.23	4.51
PB167782BSD	PB167782BSD	04/29/2025	20:01	PP071626.D	10.24	4.52
AR1660CCC500	AR1660CCC500	04/29/2025	21:55	PP071629.D	10.23	4.51
I.BLK	I.BLK	04/29/2025	23:17	PP071633.D	10.23	4.51
AR1660CCC500	AR1660CCC500	04/30/2025	09:07	PP071635.D	10.23	4.51
I.BLK	I.BLK	04/30/2025	10:17	PP071639.D	10.22	4.51
PB167794BL	PB167794BL	04/30/2025	12:39	PP071641.D	10.23	4.51
PB167794BS	PB167794BS	04/30/2025	12:56	PP071642.D	10.23	4.51
B-170-SB01	Q1901-03	04/30/2025	13:12	PP071643.D	10.23	4.51
MOO-25-0123-27MS	Q1910-01MS	04/30/2025	14:49	PP071648.D	10.23	4.51
MOO-25-0123-27MSD	Q1910-01MSD	04/30/2025	15:05	PP071649.D	10.23	4.51
AR1660CCC500	AR1660CCC500	04/30/2025	16:11	PP071650.D	10.23	4.51
I.BLK	I.BLK	04/30/2025	17:16	PP071654.D	10.23	4.51

Analytical Sequence

Client: Portal Partners Tri-Venture	SDG No.: Q1901
Project: Amtrak Sawtooth Bridges 2025	Instrument ID: ECD_O
GC Column: ZB-MR2	ID: 0.32 (mm) Inst. Calib. Date(s): 04/10/2025 04/10/2025

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES,
AND STANDARDS IS GIVEN BELOW:

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
IBLK	IBLK	04/10/2025	09:17	PO110348.D	8.68	3.68
AR1660ICC1000	AR1660ICC1000	04/10/2025	09:36	PO110349.D	8.69	3.69
AR1660ICC750	AR1660ICC750	04/10/2025	09:54	PO110350.D	8.69	3.69
AR1660ICC500	AR1660ICC500	04/10/2025	10:13	PO110351.D	8.68	3.69
AR1660ICC250	AR1660ICC250	04/10/2025	10:31	PO110352.D	8.68	3.69
AR1660ICC050	AR1660ICC050	04/10/2025	10:49	PO110353.D	8.68	3.69
AR1221ICC500	AR1221ICC500	04/10/2025	11:08	PO110354.D	8.68	3.69
AR1232ICC500	AR1232ICC500	04/10/2025	11:26	PO110355.D	8.68	3.69
AR1242ICC1000	AR1242ICC1000	04/10/2025	11:44	PO110356.D	8.68	3.69
AR1242ICC750	AR1242ICC750	04/10/2025	12:03	PO110357.D	8.68	3.69
AR1242ICC500	AR1242ICC500	04/10/2025	12:21	PO110358.D	8.68	3.68
AR1242ICC250	AR1242ICC250	04/10/2025	12:39	PO110359.D	8.68	3.69
AR1242ICC050	AR1242ICC050	04/10/2025	12:58	PO110360.D	8.68	3.68
AR1248ICC1000	AR1248ICC1000	04/10/2025	13:16	PO110361.D	8.68	3.69
AR1248ICC750	AR1248ICC750	04/10/2025	13:35	PO110362.D	8.69	3.69
AR1248ICC500	AR1248ICC500	04/10/2025	13:53	PO110363.D	8.69	3.69
AR1248ICC250	AR1248ICC250	04/10/2025	14:11	PO110364.D	8.68	3.69
AR1248ICC050	AR1248ICC050	04/10/2025	14:30	PO110365.D	8.68	3.68
AR1254ICC1000	AR1254ICC1000	04/10/2025	14:48	PO110366.D	8.68	3.69
AR1254ICC750	AR1254ICC750	04/10/2025	15:06	PO110367.D	8.68	3.69
AR1254ICC500	AR1254ICC500	04/10/2025	15:25	PO110368.D	8.68	3.69
AR1254ICC250	AR1254ICC250	04/10/2025	15:43	PO110369.D	8.68	3.68
AR1254ICC050	AR1254ICC050	04/10/2025	16:02	PO110370.D	8.68	3.69
AR1262ICC500	AR1262ICC500	04/10/2025	16:20	PO110371.D	8.68	3.69
AR1268ICC1000	AR1268ICC1000	04/10/2025	16:38	PO110372.D	8.68	3.68
AR1268ICC750	AR1268ICC750	04/10/2025	16:57	PO110373.D	8.68	3.68
AR1268ICC500	AR1268ICC500	04/10/2025	17:15	PO110374.D	8.68	3.69
AR1268ICC250	AR1268ICC250	04/10/2025	17:33	PO110375.D	8.68	3.69
AR1268ICC050	AR1268ICC050	04/10/2025	17:52	PO110376.D	8.68	3.68
AR1660CCC500	AR1660CCC500	04/29/2025	09:24	PO110846.D	8.68	3.68
IBLK	IBLK	04/29/2025	10:40	PO110850.D	8.68	3.68
B-170-SB02	Q1901-05	04/29/2025	13:36	PO110856.D	8.68	3.68
AR1660CCC500	AR1660CCC500	04/29/2025	15:58	PO110861.D	8.68	3.68
IBLK	IBLK	04/29/2025	17:29	PO110865.D	8.68	3.68
VNJ-210MS	Q1904-01MS	04/29/2025	18:05	PO110867.D	8.68	3.68
VNJ-210MSD	Q1904-01MSD	04/29/2025	18:23	PO110868.D	8.68	3.68
FB04262025	Q1901-06	04/29/2025	20:14	PO110874.D	8.68	3.68
AR1660CCC500	AR1660CCC500	04/29/2025	22:00	PO110876.D	8.68	3.68
IBLK	IBLK	04/29/2025	23:31	PO110880.D	8.68	3.68
IBLK	IBLK	04/22/2025	10:13	PP071388.D	8.85	3.81
AR1660ICC1000	AR1660ICC1000	04/22/2025	10:29	PP071389.D	8.85	3.81
AR1660ICC750	AR1660ICC750	04/22/2025	10:45	PP071390.D	8.85	3.81

Analytical Sequence

AR1660ICC500	AR1660ICC500	04/22/2025	11:02	PP071391.D	8.85	3.81
AR1660ICC250	AR1660ICC250	04/22/2025	11:18	PP071392.D	8.85	3.81
AR1660ICC050	AR1660ICC050	04/22/2025	11:34	PP071393.D	8.85	3.81
AR1221ICC500	AR1221ICC500	04/22/2025	11:51	PP071394.D	8.85	3.81
AR1232ICC500	AR1232ICC500	04/22/2025	12:07	PP071395.D	8.85	3.81
AR1242ICC1000	AR1242ICC1000	04/22/2025	12:23	PP071396.D	8.85	3.81
AR1242ICC750	AR1242ICC750	04/22/2025	12:39	PP071397.D	8.85	3.81
AR1242ICC500	AR1242ICC500	04/22/2025	12:56	PP071398.D	8.85	3.81
AR1242ICC250	AR1242ICC250	04/22/2025	13:12	PP071399.D	8.85	3.81
AR1242ICC050	AR1242ICC050	04/22/2025	13:28	PP071400.D	8.85	3.81
AR1248ICC1000	AR1248ICC1000	04/22/2025	13:45	PP071401.D	8.85	3.81
AR1248ICC750	AR1248ICC750	04/22/2025	14:01	PP071402.D	8.85	3.81
AR1248ICC500	AR1248ICC500	04/22/2025	14:17	PP071403.D	8.85	3.81
AR1248ICC250	AR1248ICC250	04/22/2025	14:33	PP071404.D	8.85	3.81
AR1248ICC050	AR1248ICC050	04/22/2025	14:50	PP071405.D	8.85	3.81
AR1254ICC1000	AR1254ICC1000	04/22/2025	15:06	PP071406.D	8.85	3.81
AR1254ICC750	AR1254ICC750	04/22/2025	15:22	PP071407.D	8.85	3.81
AR1254ICC500	AR1254ICC500	04/22/2025	15:38	PP071408.D	8.85	3.81
AR1254ICC250	AR1254ICC250	04/22/2025	15:55	PP071409.D	8.85	3.81
AR1254ICC050	AR1254ICC050	04/22/2025	16:11	PP071410.D	8.85	3.81
AR1262ICC500	AR1262ICC500	04/22/2025	16:27	PP071411.D	8.85	3.81
AR1268ICC1000	AR1268ICC1000	04/22/2025	16:44	PP071412.D	8.85	3.81
AR1268ICC750	AR1268ICC750	04/22/2025	17:00	PP071413.D	8.85	3.81
AR1268ICC500	AR1268ICC500	04/22/2025	17:16	PP071414.D	8.85	3.81
AR1268ICC250	AR1268ICC250	04/22/2025	17:33	PP071415.D	8.85	3.81
AR1268ICC050	AR1268ICC050	04/22/2025	17:49	PP071416.D	8.85	3.81
AR1660CCC500	AR1660CCC500	04/29/2025	10:33	PP071599.D	8.84	3.81
I.BLK	I.BLK	04/29/2025	11:40	PP071603.D	8.84	3.81
PB167776BL	PB167776BL	04/29/2025	13:30	PP071607.D	8.84	3.81
PB167776BS	PB167776BS	04/29/2025	13:46	PP071608.D	8.84	3.81
AR1660CCC500	AR1660CCC500	04/29/2025	16:29	PP071614.D	8.84	3.81
I.BLK	I.BLK	04/29/2025	17:51	PP071618.D	8.84	3.81
B-167-SB01	Q1901-02	04/29/2025	18:56	PP071622.D	8.84	3.81
B-167-SB02	Q1901-04	04/29/2025	19:12	PP071623.D	8.84	3.81
PB167782BL	PB167782BL	04/29/2025	19:29	PP071624.D	8.84	3.81
PB167782BS	PB167782BS	04/29/2025	19:45	PP071625.D	8.84	3.81
PB167782BSD	PB167782BSD	04/29/2025	20:01	PP071626.D	8.84	3.81
AR1660CCC500	AR1660CCC500	04/29/2025	21:55	PP071629.D	8.84	3.81
I.BLK	I.BLK	04/29/2025	23:17	PP071633.D	8.84	3.81
AR1660CCC500	AR1660CCC500	04/30/2025	09:07	PP071635.D	8.84	3.81
I.BLK	I.BLK	04/30/2025	10:17	PP071639.D	8.84	3.81
PB167794BL	PB167794BL	04/30/2025	12:39	PP071641.D	8.84	3.81
PB167794BS	PB167794BS	04/30/2025	12:56	PP071642.D	8.84	3.81
B-170-SB01	Q1901-03	04/30/2025	13:12	PP071643.D	8.84	3.81
MOO-25-0123-27MS	Q1910-01MS	04/30/2025	14:49	PP071648.D	8.84	3.81
MOO-25-0123-27MSD	Q1910-01MSD	04/30/2025	15:05	PP071649.D	8.84	3.81
AR1660CCC500	AR1660CCC500	04/30/2025	16:11	PP071650.D	8.84	3.81
I.BLK	I.BLK	04/30/2025	17:16	PP071654.D	8.84	3.81