

Analytical Sequence

Client: Portal Partners Tri-Venture	SDG No.: Q2934
Project: Amtrak Sawtooth Bridges 2025	Instrument ID: ECD_O
GC Column: ZB-MR1	ID: 0.32 (mm) Inst. Calib. Date(s): 08/18/2025 08/18/2025

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

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
IBLK	IBLK	08/18/2025	09:34	PO113002.D	8.68	3.66
AR1660ICC1000	AR1660ICC1000	08/18/2025	09:53	PO113003.D	8.68	3.66
AR1660ICC750	AR1660ICC750	08/18/2025	10:11	PO113004.D	8.68	3.66
AR1660ICC500	AR1660ICC500	08/18/2025	10:29	PO113005.D	8.68	3.66
AR1660ICC250	AR1660ICC250	08/18/2025	10:48	PO113006.D	8.68	3.66
AR1660ICC050	AR1660ICC050	08/18/2025	11:06	PO113007.D	8.68	3.66
AR1221ICC500	AR1221ICC500	08/18/2025	11:25	PO113008.D	8.68	3.66
AR1232ICC500	AR1232ICC500	08/18/2025	11:43	PO113009.D	8.68	3.66
AR1242ICC1000	AR1242ICC1000	08/18/2025	12:01	PO113010.D	8.68	3.66
AR1242ICC750	AR1242ICC750	08/18/2025	12:20	PO113011.D	8.68	3.66
AR1242ICC500	AR1242ICC500	08/18/2025	12:38	PO113012.D	8.68	3.66
AR1242ICC250	AR1242ICC250	08/18/2025	12:57	PO113013.D	8.68	3.66
AR1242ICC050	AR1242ICC050	08/18/2025	13:15	PO113014.D	8.68	3.66
AR1248ICC1000	AR1248ICC1000	08/18/2025	13:34	PO113015.D	8.68	3.66
AR1248ICC750	AR1248ICC750	08/18/2025	13:52	PO113016.D	8.68	3.66
AR1248ICC500	AR1248ICC500	08/18/2025	14:09	PO113017.D	8.68	3.66
AR1248ICC250	AR1248ICC250	08/18/2025	14:28	PO113018.D	8.68	3.66
AR1248ICC050	AR1248ICC050	08/18/2025	14:46	PO113019.D	8.68	3.66
AR1254ICC1000	AR1254ICC1000	08/18/2025	15:05	PO113020.D	8.68	3.66
AR1254ICC750	AR1254ICC750	08/18/2025	15:23	PO113021.D	8.68	3.66
AR1254ICC500	AR1254ICC500	08/18/2025	15:41	PO113022.D	8.68	3.66
AR1254ICC250	AR1254ICC250	08/18/2025	16:00	PO113023.D	8.68	3.66
AR1254ICC050	AR1254ICC050	08/18/2025	16:18	PO113024.D	8.68	3.66
AR1262ICC500	AR1262ICC500	08/18/2025	16:54	PO113025.D	8.68	3.66
AR1268ICC1000	AR1268ICC1000	08/18/2025	17:12	PO113026.D	8.68	3.66
AR1268ICC750	AR1268ICC750	08/18/2025	17:30	PO113027.D	8.68	3.66
AR1268ICC500	AR1268ICC500	08/18/2025	17:48	PO113028.D	8.68	3.66
AR1268ICC250	AR1268ICC250	08/18/2025	18:06	PO113029.D	8.68	3.66
AR1268ICC050	AR1268ICC050	08/18/2025	18:24	PO113030.D	8.68	3.66
AR1660CCC500	AR1660CCC500	08/22/2025	20:14	PO113193.D	8.68	3.66
IBLK	IBLK	08/22/2025	22:23	PO113197.D	8.68	3.66
ENV-SW01	Q2934-01	08/23/2025	01:06	PO113206.D	8.68	3.66
ENV-SW02	Q2934-02	08/23/2025	01:25	PO113207.D	8.68	3.66
AR1660CCC500	AR1660CCC500	08/23/2025	02:39	PO113208.D	8.68	3.66
IBLK	IBLK	08/23/2025	04:29	PO113212.D	8.68	3.66
IBLK	IBLK	08/19/2025	09:46	PP074490.D	10.43	4.65
AR1660ICC1000	AR1660ICC1000	08/19/2025	10:02	PP074491.D	10.43	4.65
AR1660ICC750	AR1660ICC750	08/19/2025	10:18	PP074492.D	10.44	4.66
AR1660ICC500	AR1660ICC500	08/19/2025	10:34	PP074493.D	10.43	4.65
AR1660ICC250	AR1660ICC250	08/19/2025	10:51	PP074494.D	10.43	4.66
AR1660ICC050	AR1660ICC050	08/19/2025	11:07	PP074495.D	10.44	4.66
AR1221ICC500	AR1221ICC500	08/19/2025	11:23	PP074496.D	10.43	4.65

Analytical Sequence

AR1232ICC500	AR1232ICC500	08/19/2025	11:39	PP074497.D	10.43	4.66
AR1242ICC1000	AR1242ICC1000	08/19/2025	11:55	PP074498.D	10.43	4.66
AR1242ICC750	AR1242ICC750	08/19/2025	12:12	PP074499.D	10.44	4.66
AR1242ICC500	AR1242ICC500	08/19/2025	12:28	PP074500.D	10.43	4.66
AR1242ICC250	AR1242ICC250	08/19/2025	12:44	PP074501.D	10.44	4.66
AR1242ICC050	AR1242ICC050	08/19/2025	13:00	PP074502.D	10.44	4.66
AR1248ICC1000	AR1248ICC1000	08/19/2025	13:16	PP074503.D	10.44	4.66
AR1248ICC750	AR1248ICC750	08/19/2025	13:33	PP074504.D	10.44	4.66
AR1248ICC500	AR1248ICC500	08/19/2025	13:49	PP074505.D	10.44	4.66
AR1248ICC250	AR1248ICC250	08/19/2025	14:05	PP074506.D	10.44	4.66
AR1248ICC050	AR1248ICC050	08/19/2025	14:21	PP074507.D	10.44	4.66
AR1254ICC1000	AR1254ICC1000	08/19/2025	14:37	PP074508.D	10.44	4.66
AR1254ICC750	AR1254ICC750	08/19/2025	14:53	PP074509.D	10.44	4.66
AR1254ICC500	AR1254ICC500	08/19/2025	15:10	PP074510.D	10.44	4.66
AR1254ICC250	AR1254ICC250	08/19/2025	15:42	PP074511.D	10.44	4.66
AR1254ICC050	AR1254ICC050	08/19/2025	15:58	PP074512.D	10.44	4.66
AR1262ICC500	AR1262ICC500	08/19/2025	16:14	PP074513.D	10.44	4.66
AR1268ICC1000	AR1268ICC1000	08/19/2025	16:31	PP074514.D	10.43	4.66
AR1268ICC750	AR1268ICC750	08/19/2025	16:47	PP074515.D	10.44	4.66
AR1268ICC500	AR1268ICC500	08/19/2025	17:03	PP074516.D	10.43	4.66
AR1268ICC250	AR1268ICC250	08/19/2025	17:19	PP074517.D	10.44	4.66
AR1268ICC050	AR1268ICC050	08/19/2025	17:36	PP074518.D	10.43	4.66
AR1660CCC500	AR1660CCC500	08/23/2025	01:22	PP074607.D	10.44	4.66
IBLK	IBLK	08/23/2025	02:27	PP074611.D	10.44	4.66
PB169361BL	PB169361BL	08/23/2025	02:43	PP074612.D	10.43	4.66
PB169361BS	PB169361BS	08/23/2025	02:59	PP074613.D	10.44	4.66
PB169361BSD	PB169361BSD	08/23/2025	03:16	PP074614.D	10.44	4.66
ENV-SW03	Q2934-03	08/23/2025	03:32	PP074615.D	10.43	4.66
ENV-SW04	Q2934-04	08/23/2025	03:48	PP074616.D	10.44	4.66
AR1660CCC500	AR1660CCC500	08/23/2025	05:26	PP074619.D	10.43	4.66
IBLK	IBLK	08/23/2025	07:20	PP074623.D	10.43	4.66

Analytical Sequence

Client: Portal Partners Tri-Venture	SDG No.: Q2934
Project: Amtrak Sawtooth Bridges 2025	Instrument ID: ECD_O
GC Column: ZB-MR2	ID: 0.32 (mm) Inst. Calib. Date(s): 08/18/2025 08/18/2025

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

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
IBLK	IBLK	08/18/2025	09:34	PO113002.D	8.63	3.66
AR1660ICC1000	AR1660ICC1000	08/18/2025	09:53	PO113003.D	8.63	3.66
AR1660ICC750	AR1660ICC750	08/18/2025	10:11	PO113004.D	8.63	3.66
AR1660ICC500	AR1660ICC500	08/18/2025	10:29	PO113005.D	8.63	3.66
AR1660ICC250	AR1660ICC250	08/18/2025	10:48	PO113006.D	8.63	3.66
AR1660ICC050	AR1660ICC050	08/18/2025	11:06	PO113007.D	8.63	3.65
AR1221ICC500	AR1221ICC500	08/18/2025	11:25	PO113008.D	8.63	3.66
AR1232ICC500	AR1232ICC500	08/18/2025	11:43	PO113009.D	8.63	3.66
AR1242ICC1000	AR1242ICC1000	08/18/2025	12:01	PO113010.D	8.63	3.66
AR1242ICC750	AR1242ICC750	08/18/2025	12:20	PO113011.D	8.63	3.66
AR1242ICC500	AR1242ICC500	08/18/2025	12:38	PO113012.D	8.63	3.66
AR1242ICC250	AR1242ICC250	08/18/2025	12:57	PO113013.D	8.63	3.66
AR1242ICC050	AR1242ICC050	08/18/2025	13:15	PO113014.D	8.63	3.66
AR1248ICC1000	AR1248ICC1000	08/18/2025	13:34	PO113015.D	8.63	3.66
AR1248ICC750	AR1248ICC750	08/18/2025	13:52	PO113016.D	8.63	3.66
AR1248ICC500	AR1248ICC500	08/18/2025	14:09	PO113017.D	8.63	3.66
AR1248ICC250	AR1248ICC250	08/18/2025	14:28	PO113018.D	8.63	3.66
AR1248ICC050	AR1248ICC050	08/18/2025	14:46	PO113019.D	8.63	3.66
AR1254ICC1000	AR1254ICC1000	08/18/2025	15:05	PO113020.D	8.63	3.66
AR1254ICC750	AR1254ICC750	08/18/2025	15:23	PO113021.D	8.63	3.66
AR1254ICC500	AR1254ICC500	08/18/2025	15:41	PO113022.D	8.63	3.66
AR1254ICC250	AR1254ICC250	08/18/2025	16:00	PO113023.D	8.63	3.66
AR1254ICC050	AR1254ICC050	08/18/2025	16:18	PO113024.D	8.63	3.66
AR1262ICC500	AR1262ICC500	08/18/2025	16:54	PO113025.D	8.63	3.66
AR1268ICC1000	AR1268ICC1000	08/18/2025	17:12	PO113026.D	8.63	3.66
AR1268ICC750	AR1268ICC750	08/18/2025	17:30	PO113027.D	8.63	3.66
AR1268ICC500	AR1268ICC500	08/18/2025	17:48	PO113028.D	8.63	3.66
AR1268ICC250	AR1268ICC250	08/18/2025	18:06	PO113029.D	8.63	3.66
AR1268ICC050	AR1268ICC050	08/18/2025	18:24	PO113030.D	8.63	3.66
AR1660CCC500	AR1660CCC500	08/22/2025	20:14	PO113193.D	8.63	3.66
IBLK	IBLK	08/22/2025	22:23	PO113197.D	8.62	3.65
ENV-SW01	Q2934-01	08/23/2025	01:06	PO113206.D	8.62	3.65
ENV-SW02	Q2934-02	08/23/2025	01:25	PO113207.D	8.62	3.65
AR1660CCC500	AR1660CCC500	08/23/2025	02:39	PO113208.D	8.63	3.65
IBLK	IBLK	08/23/2025	04:29	PO113212.D	8.62	3.65
IBLK	IBLK	08/19/2025	09:46	PP074490.D	8.81	3.80
AR1660ICC1000	AR1660ICC1000	08/19/2025	10:02	PP074491.D	8.81	3.80
AR1660ICC750	AR1660ICC750	08/19/2025	10:18	PP074492.D	8.82	3.80
AR1660ICC500	AR1660ICC500	08/19/2025	10:34	PP074493.D	8.82	3.80
AR1660ICC250	AR1660ICC250	08/19/2025	10:51	PP074494.D	8.81	3.80
AR1660ICC050	AR1660ICC050	08/19/2025	11:07	PP074495.D	8.82	3.80
AR1221ICC500	AR1221ICC500	08/19/2025	11:23	PP074496.D	8.82	3.80

Analytical Sequence

AR1232ICC500	AR1232ICC500	08/19/2025	11:39	PP074497.D	8.82	3.80
AR1242ICC1000	AR1242ICC1000	08/19/2025	11:55	PP074498.D	8.82	3.80
AR1242ICC750	AR1242ICC750	08/19/2025	12:12	PP074499.D	8.82	3.80
AR1242ICC500	AR1242ICC500	08/19/2025	12:28	PP074500.D	8.81	3.80
AR1242ICC250	AR1242ICC250	08/19/2025	12:44	PP074501.D	8.82	3.80
AR1242ICC050	AR1242ICC050	08/19/2025	13:00	PP074502.D	8.82	3.80
AR1248ICC1000	AR1248ICC1000	08/19/2025	13:16	PP074503.D	8.82	3.80
AR1248ICC750	AR1248ICC750	08/19/2025	13:33	PP074504.D	8.82	3.80
AR1248ICC500	AR1248ICC500	08/19/2025	13:49	PP074505.D	8.82	3.80
AR1248ICC250	AR1248ICC250	08/19/2025	14:05	PP074506.D	8.82	3.80
AR1248ICC050	AR1248ICC050	08/19/2025	14:21	PP074507.D	8.82	3.80
AR1254ICC1000	AR1254ICC1000	08/19/2025	14:37	PP074508.D	8.82	3.80
AR1254ICC750	AR1254ICC750	08/19/2025	14:53	PP074509.D	8.82	3.80
AR1254ICC500	AR1254ICC500	08/19/2025	15:10	PP074510.D	8.82	3.80
AR1254ICC250	AR1254ICC250	08/19/2025	15:42	PP074511.D	8.82	3.80
AR1254ICC050	AR1254ICC050	08/19/2025	15:58	PP074512.D	8.81	3.80
AR1262ICC500	AR1262ICC500	08/19/2025	16:14	PP074513.D	8.82	3.80
AR1268ICC1000	AR1268ICC1000	08/19/2025	16:31	PP074514.D	8.81	3.80
AR1268ICC750	AR1268ICC750	08/19/2025	16:47	PP074515.D	8.82	3.80
AR1268ICC500	AR1268ICC500	08/19/2025	17:03	PP074516.D	8.81	3.80
AR1268ICC250	AR1268ICC250	08/19/2025	17:19	PP074517.D	8.82	3.80
AR1268ICC050	AR1268ICC050	08/19/2025	17:36	PP074518.D	8.81	3.80
AR1660CCC500	AR1660CCC500	08/23/2025	01:22	PP074607.D	8.81	3.80
IBLK	IBLK	08/23/2025	02:27	PP074611.D	8.81	3.80
PB169361BL	PB169361BL	08/23/2025	02:43	PP074612.D	8.81	3.80
PB169361BS	PB169361BS	08/23/2025	02:59	PP074613.D	8.81	3.80
PB169361BSD	PB169361BSD	08/23/2025	03:16	PP074614.D	8.81	3.80
ENV-SW03	Q2934-03	08/23/2025	03:32	PP074615.D	8.81	3.80
ENV-SW04	Q2934-04	08/23/2025	03:48	PP074616.D	8.82	3.80
AR1660CCC500	AR1660CCC500	08/23/2025	05:26	PP074619.D	8.81	3.80
IBLK	IBLK	08/23/2025	07:20	PP074623.D	8.81	3.80