

Analytical Sequence

Client: Portal Partners Tri-Venture	SDG No.: P4460
Project: Amtrak Sawtooth Bridges 2024	Instrument ID: ECD_O
GC Column: ZB-MR1	ID: 0.32 (mm) Inst. Calib. Date(s): 10/15/2024 10/15/2024

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	10/15/2024	18:08	PO107183.D	10.06	4.37
AR1660ICC1000	AR1660ICC1000	10/15/2024	18:27	PO107184.D	10.06	4.37
AR1660ICC750	AR1660ICC750	10/15/2024	18:45	PO107185.D	10.06	4.37
AR1660ICC500	AR1660ICC500	10/15/2024	19:03	PO107186.D	10.06	4.37
AR1660ICC250	AR1660ICC250	10/15/2024	19:21	PO107187.D	10.06	4.37
AR1660ICC050	AR1660ICC050	10/15/2024	19:39	PO107188.D	10.06	4.37
AR1221ICC500	AR1221ICC500	10/15/2024	19:57	PO107189.D	10.06	4.37
AR1232ICC500	AR1232ICC500	10/15/2024	20:15	PO107190.D	10.06	4.37
AR1242ICC1000	AR1242ICC1000	10/15/2024	20:34	PO107191.D	10.06	4.37
AR1242ICC750	AR1242ICC750	10/15/2024	20:52	PO107192.D	10.06	4.37
AR1242ICC500	AR1242ICC500	10/15/2024	21:10	PO107193.D	10.06	4.37
AR1242ICC250	AR1242ICC250	10/15/2024	21:28	PO107194.D	10.06	4.37
AR1242ICC050	AR1242ICC050	10/15/2024	21:46	PO107195.D	10.06	4.37
AR1248ICC1000	AR1248ICC1000	10/15/2024	22:04	PO107196.D	10.06	4.37
AR1248ICC750	AR1248ICC750	10/15/2024	22:22	PO107197.D	10.06	4.37
AR1248ICC500	AR1248ICC500	10/15/2024	22:41	PO107198.D	10.06	4.37
AR1248ICC250	AR1248ICC250	10/15/2024	22:59	PO107199.D	10.06	4.37
AR1248ICC050	AR1248ICC050	10/15/2024	23:17	PO107200.D	10.06	4.37
AR1254ICC1000	AR1254ICC1000	10/15/2024	23:35	PO107201.D	10.06	4.37
AR1254ICC750	AR1254ICC750	10/15/2024	23:53	PO107202.D	10.06	4.37
AR1254ICC500	AR1254ICC500	10/16/2024	00:11	PO107203.D	10.06	4.37
AR1254ICC250	AR1254ICC250	10/16/2024	00:29	PO107204.D	10.06	4.37
AR1254ICC050	AR1254ICC050	10/16/2024	00:47	PO107205.D	10.06	4.37
AR1262ICC500	AR1262ICC500	10/16/2024	01:05	PO107206.D	10.06	4.37
AR1268ICC1000	AR1268ICC1000	10/16/2024	01:23	PO107207.D	10.06	4.37
AR1268ICC750	AR1268ICC750	10/16/2024	01:41	PO107208.D	10.06	4.37
AR1268ICC500	AR1268ICC500	10/16/2024	01:59	PO107209.D	10.06	4.37
AR1268ICC250	AR1268ICC250	10/16/2024	02:18	PO107210.D	10.06	4.37
AR1268ICC050	AR1268ICC050	10/16/2024	02:36	PO107211.D	10.06	4.37
AR1660CCC500	AR1660CCC500	10/21/2024	11:58	PO107293.D	10.06	4.37
IBLK	IBLK	10/21/2024	14:13	PO107297.D	10.06	4.37
PB164287BL	PB164287BL	10/21/2024	14:49	PO107299.D	10.06	4.37
PB164287BS	PB164287BS	10/21/2024	15:07	PO107300.D	10.06	4.37
SU-4-101824MS	P4455-01MS	10/21/2024	16:38	PO107305.D	10.06	4.37
SU-4-101824MSD	P4455-01MSD	10/21/2024	16:56	PO107306.D	10.06	4.37
AR1660CCC500	AR1660CCC500	10/21/2024	18:15	PO107308.D	10.05	4.37
IBLK	IBLK	10/21/2024	19:28	PO107312.D	10.05	4.37
WB-303-TOP	P4460-02	10/21/2024	20:22	PO107315.D	10.06	4.37
WB-303-BOT	P4460-03	10/21/2024	20:40	PO107316.D	10.06	4.37
AR1660CCC500	AR1660CCC500	10/21/2024	23:30	PO107323.D	10.06	4.37
IBLK	IBLK	10/22/2024	00:42	PO107327.D	10.06	4.37
IBLK	IBLK	10/08/2024	16:14	PP067586.D	10.67	4.75

Analytical Sequence

AR1660ICC1000	AR1660ICC1000	10/08/2024	16:30	PP067587.D	10.67	4.75
AR1660ICC750	AR1660ICC750	10/08/2024	16:46	PP067588.D	10.67	4.75
AR1660ICC500	AR1660ICC500	10/08/2024	17:02	PP067589.D	10.67	4.76
AR1660ICC250	AR1660ICC250	10/08/2024	17:19	PP067590.D	10.67	4.75
AR1660ICC050	AR1660ICC050	10/08/2024	17:35	PP067591.D	10.67	4.76
AR1221ICC500	AR1221ICC500	10/08/2024	17:51	PP067592.D	10.67	4.75
AR1232ICC500	AR1232ICC500	10/08/2024	18:07	PP067593.D	10.67	4.75
AR1242ICC1000	AR1242ICC1000	10/08/2024	18:23	PP067594.D	10.67	4.76
AR1242ICC750	AR1242ICC750	10/08/2024	18:39	PP067595.D	10.67	4.76
AR1242ICC500	AR1242ICC500	10/08/2024	18:55	PP067596.D	10.67	4.75
AR1242ICC250	AR1242ICC250	10/08/2024	19:12	PP067597.D	10.67	4.76
AR1242ICC050	AR1242ICC050	10/08/2024	19:28	PP067598.D	10.67	4.75
AR1248ICC1000	AR1248ICC1000	10/08/2024	19:44	PP067599.D	10.67	4.75
AR1248ICC750	AR1248ICC750	10/08/2024	20:00	PP067600.D	10.67	4.75
AR1248ICC500	AR1248ICC500	10/08/2024	20:16	PP067601.D	10.67	4.75
AR1248ICC250	AR1248ICC250	10/08/2024	20:32	PP067602.D	10.67	4.75
AR1248ICC050	AR1248ICC050	10/08/2024	20:49	PP067603.D	10.66	4.75
AR1254ICC1000	AR1254ICC1000	10/08/2024	21:05	PP067604.D	10.67	4.76
AR1254ICC750	AR1254ICC750	10/08/2024	21:21	PP067605.D	10.67	4.75
AR1254ICC500	AR1254ICC500	10/08/2024	21:37	PP067606.D	10.67	4.75
AR1254ICC250	AR1254ICC250	10/08/2024	21:53	PP067607.D	10.67	4.75
AR1254ICC050	AR1254ICC050	10/08/2024	22:09	PP067608.D	10.66	4.75
AR1262ICC500	AR1262ICC500	10/08/2024	22:25	PP067609.D	10.66	4.75
AR1268ICC1000	AR1268ICC1000	10/08/2024	22:42	PP067610.D	10.67	4.76
AR1268ICC750	AR1268ICC750	10/08/2024	22:58	PP067611.D	10.67	4.75
AR1268ICC500	AR1268ICC500	10/08/2024	23:14	PP067612.D	10.67	4.75
AR1268ICC250	AR1268ICC250	10/08/2024	23:30	PP067613.D	10.67	4.75
AR1268ICC050	AR1268ICC050	10/08/2024	23:46	PP067614.D	10.67	4.75
AR1660CCC500	AR1660CCC500	10/23/2024	15:57	PP068166.D	10.67	4.76
IBLK	IBLK	10/23/2024	17:01	PP068170.D	10.67	4.76
PB164342BL	PB164342BL	10/23/2024	18:22	PP068175.D	10.67	4.75
PB164342BS	PB164342BS	10/23/2024	18:38	PP068176.D	10.67	4.76
PB164342BSD	PB164342BSD	10/23/2024	18:54	PP068177.D	10.67	4.76
WB-303-SW	P4460-06	10/23/2024	19:26	PP068179.D	10.67	4.76
AR1660CCC500	AR1660CCC500	10/23/2024	20:04	PP068180.D	10.67	4.76
IBLK	IBLK	10/23/2024	21:08	PP068184.D	10.67	4.76

Analytical Sequence

Client: Portal Partners Tri-Venture	SDG No.: P4460
Project: Amtrak Sawtooth Bridges 2024	Instrument ID: ECD_O
GC Column: ZB-MR2	ID: 0.32 (mm) Inst. Calib. Date(s): 10/15/2024 10/15/2024

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	10/15/2024	18:08	PO107183.D	8.64	3.64
AR1660ICC1000	AR1660ICC1000	10/15/2024	18:27	PO107184.D	8.64	3.64
AR1660ICC750	AR1660ICC750	10/15/2024	18:45	PO107185.D	8.64	3.64
AR1660ICC500	AR1660ICC500	10/15/2024	19:03	PO107186.D	8.64	3.65
AR1660ICC250	AR1660ICC250	10/15/2024	19:21	PO107187.D	8.64	3.64
AR1660ICC050	AR1660ICC050	10/15/2024	19:39	PO107188.D	8.64	3.64
AR1221ICC500	AR1221ICC500	10/15/2024	19:57	PO107189.D	8.64	3.64
AR1232ICC500	AR1232ICC500	10/15/2024	20:15	PO107190.D	8.64	3.64
AR1242ICC1000	AR1242ICC1000	10/15/2024	20:34	PO107191.D	8.64	3.64
AR1242ICC750	AR1242ICC750	10/15/2024	20:52	PO107192.D	8.64	3.64
AR1242ICC500	AR1242ICC500	10/15/2024	21:10	PO107193.D	8.64	3.64
AR1242ICC250	AR1242ICC250	10/15/2024	21:28	PO107194.D	8.64	3.65
AR1242ICC050	AR1242ICC050	10/15/2024	21:46	PO107195.D	8.64	3.64
AR1248ICC1000	AR1248ICC1000	10/15/2024	22:04	PO107196.D	8.64	3.64
AR1248ICC750	AR1248ICC750	10/15/2024	22:22	PO107197.D	8.64	3.64
AR1248ICC500	AR1248ICC500	10/15/2024	22:41	PO107198.D	8.64	3.64
AR1248ICC250	AR1248ICC250	10/15/2024	22:59	PO107199.D	8.64	3.64
AR1248ICC050	AR1248ICC050	10/15/2024	23:17	PO107200.D	8.64	3.64
AR1254ICC1000	AR1254ICC1000	10/15/2024	23:35	PO107201.D	8.64	3.65
AR1254ICC750	AR1254ICC750	10/15/2024	23:53	PO107202.D	8.64	3.64
AR1254ICC500	AR1254ICC500	10/16/2024	00:11	PO107203.D	8.64	3.64
AR1254ICC250	AR1254ICC250	10/16/2024	00:29	PO107204.D	8.64	3.64
AR1254ICC050	AR1254ICC050	10/16/2024	00:47	PO107205.D	8.64	3.65
AR1262ICC500	AR1262ICC500	10/16/2024	01:05	PO107206.D	8.64	3.64
AR1268ICC1000	AR1268ICC1000	10/16/2024	01:23	PO107207.D	8.64	3.65
AR1268ICC750	AR1268ICC750	10/16/2024	01:41	PO107208.D	8.64	3.64
AR1268ICC500	AR1268ICC500	10/16/2024	01:59	PO107209.D	8.64	3.65
AR1268ICC250	AR1268ICC250	10/16/2024	02:18	PO107210.D	8.64	3.64
AR1268ICC050	AR1268ICC050	10/16/2024	02:36	PO107211.D	8.64	3.65
AR1660CCC500	AR1660CCC500	10/21/2024	11:58	PO107293.D	8.64	3.65
IBLK	IBLK	10/21/2024	14:13	PO107297.D	8.64	3.64
PB164287BL	PB164287BL	10/21/2024	14:49	PO107299.D	8.64	3.64
PB164287BS	PB164287BS	10/21/2024	15:07	PO107300.D	8.64	3.64
SU-4-101824MS	P4455-01MS	10/21/2024	16:38	PO107305.D	8.64	3.64
SU-4-101824MSD	P4455-01MSD	10/21/2024	16:56	PO107306.D	8.64	3.64
AR1660CCC500	AR1660CCC500	10/21/2024	18:15	PO107308.D	8.64	3.65
IBLK	IBLK	10/21/2024	19:28	PO107312.D	8.64	3.65
WB-303-TOP	P4460-02	10/21/2024	20:22	PO107315.D	8.64	3.64
WB-303-BOT	P4460-03	10/21/2024	20:40	PO107316.D	8.64	3.64
AR1660CCC500	AR1660CCC500	10/21/2024	23:30	PO107323.D	8.64	3.65
IBLK	IBLK	10/22/2024	00:42	PO107327.D	8.64	3.65
IBLK	IBLK	10/08/2024	16:14	PP067586.D	9.22	4.05

Analytical Sequence

AR1660ICC1000	AR1660ICC1000	10/08/2024	16:30	PP067587.D	9.22	4.05
AR1660ICC750	AR1660ICC750	10/08/2024	16:46	PP067588.D	9.22	4.05
AR1660ICC500	AR1660ICC500	10/08/2024	17:02	PP067589.D	9.22	4.05
AR1660ICC250	AR1660ICC250	10/08/2024	17:19	PP067590.D	9.22	4.05
AR1660ICC050	AR1660ICC050	10/08/2024	17:35	PP067591.D	9.22	4.05
AR1221ICC500	AR1221ICC500	10/08/2024	17:51	PP067592.D	9.22	4.05
AR1232ICC500	AR1232ICC500	10/08/2024	18:07	PP067593.D	9.22	4.05
AR1242ICC1000	AR1242ICC1000	10/08/2024	18:23	PP067594.D	9.22	4.05
AR1242ICC750	AR1242ICC750	10/08/2024	18:39	PP067595.D	9.22	4.05
AR1242ICC500	AR1242ICC500	10/08/2024	18:55	PP067596.D	9.22	4.05
AR1242ICC250	AR1242ICC250	10/08/2024	19:12	PP067597.D	9.22	4.05
AR1242ICC050	AR1242ICC050	10/08/2024	19:28	PP067598.D	9.22	4.05
AR1248ICC1000	AR1248ICC1000	10/08/2024	19:44	PP067599.D	9.22	4.05
AR1248ICC750	AR1248ICC750	10/08/2024	20:00	PP067600.D	9.22	4.05
AR1248ICC500	AR1248ICC500	10/08/2024	20:16	PP067601.D	9.22	4.05
AR1248ICC250	AR1248ICC250	10/08/2024	20:32	PP067602.D	9.22	4.05
AR1248ICC050	AR1248ICC050	10/08/2024	20:49	PP067603.D	9.22	4.05
AR1254ICC1000	AR1254ICC1000	10/08/2024	21:05	PP067604.D	9.22	4.05
AR1254ICC750	AR1254ICC750	10/08/2024	21:21	PP067605.D	9.22	4.05
AR1254ICC500	AR1254ICC500	10/08/2024	21:37	PP067606.D	9.22	4.05
AR1254ICC250	AR1254ICC250	10/08/2024	21:53	PP067607.D	9.22	4.05
AR1254ICC050	AR1254ICC050	10/08/2024	22:09	PP067608.D	9.22	4.05
AR1262ICC500	AR1262ICC500	10/08/2024	22:25	PP067609.D	9.22	4.05
AR1268ICC1000	AR1268ICC1000	10/08/2024	22:42	PP067610.D	9.22	4.05
AR1268ICC750	AR1268ICC750	10/08/2024	22:58	PP067611.D	9.22	4.05
AR1268ICC500	AR1268ICC500	10/08/2024	23:14	PP067612.D	9.22	4.05
AR1268ICC250	AR1268ICC250	10/08/2024	23:30	PP067613.D	9.22	4.05
AR1268ICC050	AR1268ICC050	10/08/2024	23:46	PP067614.D	9.22	4.05
AR1660CCC500	AR1660CCC500	10/23/2024	15:57	PP068166.D	9.21	4.05
IBLK	IBLK	10/23/2024	17:01	PP068170.D	9.21	4.05
PB164342BL	PB164342BL	10/23/2024	18:22	PP068175.D	9.21	4.05
PB164342BS	PB164342BS	10/23/2024	18:38	PP068176.D	9.21	4.05
PB164342BSD	PB164342BSD	10/23/2024	18:54	PP068177.D	9.21	4.05
WB-303-SW	P4460-06	10/23/2024	19:26	PP068179.D	9.21	4.05
AR1660CCC500	AR1660CCC500	10/23/2024	20:04	PP068180.D	9.21	4.05
IBLK	IBLK	10/23/2024	21:08	PP068184.D	9.21	4.05