

Analytical Sequence

Client: HDR, Inc.

SDG No.: Q3662

Project: PVWC Linear Construction

Instrument ID: ECD_O

GC Column: ZB-MR1

ID: 0.32 (mm)

Inst. Calib. Date(s): 11/04/2025

11/04/2025

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	11/04/2025	09:21	PO114870.D	9.93	4.35
AR1660ICC1000	AR1660ICC1000	11/04/2025	09:39	PO114871.D	9.93	4.35
AR1660ICC750	AR1660ICC750	11/04/2025	09:58	PO114872.D	9.93	4.35
AR1660ICC500	AR1660ICC500	11/04/2025	10:16	PO114873.D	9.93	4.35
AR1660ICC250	AR1660ICC250	11/04/2025	10:34	PO114874.D	9.93	4.35
AR1660ICC050	AR1660ICC050	11/04/2025	10:53	PO114875.D	9.93	4.35
AR1221ICC500	AR1221ICC500	11/04/2025	11:11	PO114876.D	9.93	4.35
AR1232ICC500	AR1232ICC500	11/04/2025	11:30	PO114877.D	9.93	4.35
AR1242ICC1000	AR1242ICC1000	11/04/2025	11:48	PO114878.D	9.93	4.35
AR1242ICC750	AR1242ICC750	11/04/2025	12:06	PO114879.D	9.93	4.35
AR1242ICC500	AR1242ICC500	11/04/2025	12:25	PO114880.D	9.93	4.35
AR1242ICC250	AR1242ICC250	11/04/2025	12:42	PO114881.D	9.93	4.35
AR1242ICC050	AR1242ICC050	11/04/2025	13:00	PO114882.D	9.93	4.35
AR1248ICC1000	AR1248ICC1000	11/04/2025	13:19	PO114883.D	9.93	4.35
AR1248ICC750	AR1248ICC750	11/04/2025	13:37	PO114884.D	9.93	4.35
AR1248ICC500	AR1248ICC500	11/04/2025	13:56	PO114885.D	9.93	4.35
AR1248ICC250	AR1248ICC250	11/04/2025	14:14	PO114886.D	9.93	4.35
AR1248ICC050	AR1248ICC050	11/04/2025	14:33	PO114887.D	9.93	4.35
AR1254ICC1000	AR1254ICC1000	11/04/2025	14:51	PO114888.D	9.93	4.35
AR1254ICC750	AR1254ICC750	11/04/2025	15:09	PO114889.D	9.93	4.35
AR1254ICC500	AR1254ICC500	11/04/2025	15:28	PO114890.D	9.93	4.35
AR1254ICC250	AR1254ICC250	11/04/2025	16:04	PO114891.D	9.93	4.35
AR1254ICC050	AR1254ICC050	11/04/2025	16:23	PO114892.D	9.93	4.35
AR1262ICC500	AR1262ICC500	11/04/2025	17:00	PO114893.D	9.95	4.37
AR1268ICC1000	AR1268ICC1000	11/04/2025	17:18	PO114894.D	9.93	4.35
AR1268ICC750	AR1268ICC750	11/04/2025	17:36	PO114895.D	9.93	4.35
AR1268ICC500	AR1268ICC500	11/04/2025	17:55	PO114896.D	9.93	4.35
AR1268ICC250	AR1268ICC250	11/04/2025	18:13	PO114897.D	9.93	4.35
AR1268ICC050	AR1268ICC050	11/04/2025	18:31	PO114898.D	9.93	4.35
AR1660CCC500	AR1660CCC500	11/19/2025	09:38	PO115205.D	9.92	4.34
IBLK	IBLK	11/19/2025	11:00	PO115209.D	9.92	4.34
B3-0.0-1.0-20251117	Q3662-02	11/19/2025	13:17	PO115214.D	9.92	4.34
B1-0.0-1.0-20251117	Q3662-04	11/19/2025	13:35	PO115215.D	9.92	4.34
AR1660CCC500	AR1660CCC500	11/19/2025	15:26	PO115220.D	9.92	4.34
IBLK	IBLK	11/19/2025	16:39	PO115224.D	9.92	4.34
IBLK	IBLK	11/18/2025	11:59	PQ071272.D	8.54	3.41
AR1660ICC1000	AR1660ICC1000	11/18/2025	12:13	PQ071273.D	8.54	3.41
AR1660ICC750	AR1660ICC750	11/18/2025	12:28	PQ071274.D	8.54	3.41
AR1660ICC500	AR1660ICC500	11/18/2025	12:43	PQ071275.D	8.54	3.41
AR1660ICC250	AR1660ICC250	11/18/2025	12:57	PQ071276.D	8.54	3.41
AR1660ICC050	AR1660ICC050	11/18/2025	15:42	PQ071277.D	8.56	3.43
AR1221ICC500	AR1221ICC500	11/18/2025	16:25	PQ071278.D	8.56	3.43

Analytical Sequence

AR1232ICC500	AR1232ICC500	11/18/2025	16:39	PQ071279.D	8.54	3.41
AR1242ICC500	AR1242ICC500	11/18/2025	16:54	PQ071280.D	8.54	3.41
AR1248ICC500	AR1248ICC500	11/18/2025	17:08	PQ071281.D	8.54	3.41
AR1254ICC500	AR1254ICC500	11/18/2025	17:23	PQ071282.D	8.54	3.41
AR1262ICC500	AR1262ICC500	11/18/2025	17:37	PQ071283.D	8.54	3.41
AR1268ICC500	AR1268ICC500	11/18/2025	17:52	PQ071284.D	8.54	3.41
AR1660CCC500	AR1660CCC500	11/19/2025	13:04	PQ071332.D	8.54	3.41
I.BLK	I.BLK	11/19/2025	13:18	PQ071333.D	8.54	3.41
PB170627BL	PB170627BL	11/19/2025	13:34	PQ071334.D	8.54	3.41
PB170627BS	PB170627BS	11/19/2025	13:48	PQ071335.D	8.54	3.41
EO-01-11182025MS	Q3669-01MS	11/19/2025	15:01	PQ071340.D	8.54	3.41
EO-01-11182025MSD	Q3669-01MSD	11/19/2025	15:16	PQ071341.D	8.54	3.41
AR1660CCC500	AR1660CCC500	11/19/2025	17:27	PQ071344.D	8.54	3.41
I.BLK	I.BLK	11/19/2025	17:42	PQ071345.D	8.54	3.41

Analytical Sequence

Client: HDR, Inc.

SDG No.: Q3662

Project: PVWC Linear Construction

Instrument ID: ECD_O

GC Column: ZB-MR2

ID: 0.32 (mm)

Inst. Calib. Date(s): 11/04/2025

11/04/2025

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	11/04/2025	09:21	PO114870.D	8.64	3.65
AR1660ICC1000	AR1660ICC1000	11/04/2025	09:39	PO114871.D	8.64	3.65
AR1660ICC750	AR1660ICC750	11/04/2025	09:58	PO114872.D	8.64	3.65
AR1660ICC500	AR1660ICC500	11/04/2025	10:16	PO114873.D	8.64	3.65
AR1660ICC250	AR1660ICC250	11/04/2025	10:34	PO114874.D	8.64	3.65
AR1660ICC050	AR1660ICC050	11/04/2025	10:53	PO114875.D	8.64	3.65
AR1221ICC500	AR1221ICC500	11/04/2025	11:11	PO114876.D	8.64	3.65
AR1232ICC500	AR1232ICC500	11/04/2025	11:30	PO114877.D	8.64	3.65
AR1242ICC1000	AR1242ICC1000	11/04/2025	11:48	PO114878.D	8.64	3.65
AR1242ICC750	AR1242ICC750	11/04/2025	12:06	PO114879.D	8.64	3.65
AR1242ICC500	AR1242ICC500	11/04/2025	12:25	PO114880.D	8.64	3.65
AR1242ICC250	AR1242ICC250	11/04/2025	12:42	PO114881.D	8.64	3.65
AR1242ICC050	AR1242ICC050	11/04/2025	13:00	PO114882.D	8.64	3.65
AR1248ICC1000	AR1248ICC1000	11/04/2025	13:19	PO114883.D	8.64	3.65
AR1248ICC750	AR1248ICC750	11/04/2025	13:37	PO114884.D	8.64	3.65
AR1248ICC500	AR1248ICC500	11/04/2025	13:56	PO114885.D	8.64	3.65
AR1248ICC250	AR1248ICC250	11/04/2025	14:14	PO114886.D	8.64	3.65
AR1248ICC050	AR1248ICC050	11/04/2025	14:33	PO114887.D	8.64	3.65
AR1254ICC1000	AR1254ICC1000	11/04/2025	14:51	PO114888.D	8.64	3.65
AR1254ICC750	AR1254ICC750	11/04/2025	15:09	PO114889.D	8.64	3.65
AR1254ICC500	AR1254ICC500	11/04/2025	15:28	PO114890.D	8.64	3.65
AR1254ICC250	AR1254ICC250	11/04/2025	16:04	PO114891.D	8.64	3.65
AR1254ICC050	AR1254ICC050	11/04/2025	16:23	PO114892.D	8.64	3.65
AR1262ICC500	AR1262ICC500	11/04/2025	17:00	PO114893.D	8.64	3.65
AR1268ICC1000	AR1268ICC1000	11/04/2025	17:18	PO114894.D	8.64	3.65
AR1268ICC750	AR1268ICC750	11/04/2025	17:36	PO114895.D	8.64	3.65
AR1268ICC500	AR1268ICC500	11/04/2025	17:55	PO114896.D	8.64	3.65
AR1268ICC250	AR1268ICC250	11/04/2025	18:13	PO114897.D	8.64	3.65
AR1268ICC050	AR1268ICC050	11/04/2025	18:31	PO114898.D	8.64	3.65
AR1660CCC500	AR1660CCC500	11/19/2025	09:38	PO115205.D	8.63	3.65
IBLK	IBLK	11/19/2025	11:00	PO115209.D	8.63	3.65
B3-0.0-1.0-20251117	Q3662-02	11/19/2025	13:17	PO115214.D	8.63	3.64
B1-0.0-1.0-20251117	Q3662-04	11/19/2025	13:35	PO115215.D	8.63	3.64
AR1660CCC500	AR1660CCC500	11/19/2025	15:26	PO115220.D	8.63	3.65
IBLK	IBLK	11/19/2025	16:39	PO115224.D	8.63	3.65
IBLK	IBLK	11/18/2025	11:59	PQ071272.D	7.66	2.86
AR1660ICC1000	AR1660ICC1000	11/18/2025	12:13	PQ071273.D	7.66	2.86
AR1660ICC750	AR1660ICC750	11/18/2025	12:28	PQ071274.D	7.66	2.86
AR1660ICC500	AR1660ICC500	11/18/2025	12:43	PQ071275.D	7.66	2.86
AR1660ICC250	AR1660ICC250	11/18/2025	12:57	PQ071276.D	7.66	2.86
AR1660ICC050	AR1660ICC050	11/18/2025	15:42	PQ071277.D	7.67	2.86
AR1221ICC500	AR1221ICC500	11/18/2025	16:25	PQ071278.D	7.67	2.86

Analytical Sequence

AR1232ICC500	AR1232ICC500	11/18/2025	16:39	PQ071279.D	7.66	2.86
AR1242ICC500	AR1242ICC500	11/18/2025	16:54	PQ071280.D	7.66	2.86
AR1248ICC500	AR1248ICC500	11/18/2025	17:08	PQ071281.D	7.66	2.86
AR1254ICC500	AR1254ICC500	11/18/2025	17:23	PQ071282.D	7.66	2.86
AR1262ICC500	AR1262ICC500	11/18/2025	17:37	PQ071283.D	7.66	2.86
AR1268ICC500	AR1268ICC500	11/18/2025	17:52	PQ071284.D	7.66	2.86
AR1660CCC500	AR1660CCC500	11/19/2025	13:04	PQ071332.D	7.66	2.86
IBLK	IBLK	11/19/2025	13:18	PQ071333.D	7.66	2.86
PB170627BL	PB170627BL	11/19/2025	13:34	PQ071334.D	7.66	2.86
PB170627BS	PB170627BS	11/19/2025	13:48	PQ071335.D	7.66	2.86
EO-01-11182025MS	Q3669-01MS	11/19/2025	15:01	PQ071340.D	7.66	2.86
EO-01-11182025MSD	Q3669-01MSD	11/19/2025	15:16	PQ071341.D	7.66	2.86
AR1660CCC500	AR1660CCC500	11/19/2025	17:27	PQ071344.D	7.66	2.86
IBLK	IBLK	11/19/2025	17:42	PQ071345.D	7.66	2.86