

Analytical Sequence

Client: Matrix New World Engineering	SDG No.: Q3450
Project: PSEG Athenia Substation	Instrument ID: ECD_P
GC Column: ZB-MR1	ID: 0.32 (mm) Inst. Calib. Date(s): 10/21/2025 10/21/2025

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	10/21/2025	08:49	PP075887.D	10.42	4.64
AR1660ICC1000	AR1660ICC1000	10/21/2025	09:06	PP075888.D	10.42	4.65
AR1660ICC750	AR1660ICC750	10/21/2025	09:22	PP075889.D	10.42	4.64
AR1660ICC500	AR1660ICC500	10/21/2025	09:38	PP075890.D	10.42	4.64
AR1660ICC250	AR1660ICC250	10/21/2025	09:54	PP075891.D	10.42	4.65
AR1660ICC050	AR1660ICC050	10/21/2025	10:11	PP075892.D	10.42	4.65
AR1221ICC500	AR1221ICC500	10/21/2025	10:27	PP075893.D	10.42	4.64
AR1232ICC500	AR1232ICC500	10/21/2025	10:43	PP075894.D	10.42	4.64
AR1242ICC1000	AR1242ICC1000	10/21/2025	10:59	PP075895.D	10.42	4.65
AR1242ICC750	AR1242ICC750	10/21/2025	11:16	PP075896.D	10.42	4.64
AR1242ICC500	AR1242ICC500	10/21/2025	11:48	PP075897.D	10.42	4.65
AR1242ICC250	AR1242ICC250	10/21/2025	12:04	PP075898.D	10.42	4.65
AR1242ICC050	AR1242ICC050	10/21/2025	12:21	PP075899.D	10.42	4.65
AR1248ICC1000	AR1248ICC1000	10/21/2025	12:41	PP075900.D	10.43	4.65
AR1248ICC750	AR1248ICC750	10/21/2025	12:57	PP075901.D	10.42	4.64
AR1248ICC500	AR1248ICC500	10/21/2025	13:13	PP075902.D	10.42	4.65
AR1248ICC250	AR1248ICC250	10/21/2025	13:30	PP075903.D	10.42	4.65
AR1248ICC050	AR1248ICC050	10/21/2025	13:46	PP075904.D	10.42	4.65
AR1254ICC1000	AR1254ICC1000	10/21/2025	14:02	PP075905.D	10.42	4.65
AR1254ICC750	AR1254ICC750	10/21/2025	14:18	PP075906.D	10.42	4.64
AR1254ICC500	AR1254ICC500	10/21/2025	14:35	PP075907.D	10.42	4.65
AR1254ICC250	AR1254ICC250	10/21/2025	14:51	PP075908.D	10.42	4.65
AR1254ICC050	AR1254ICC050	10/21/2025	15:07	PP075909.D	10.42	4.64
AR1262ICC500	AR1262ICC500	10/21/2025	15:40	PP075910.D	10.43	4.65
AR1268ICC1000	AR1268ICC1000	10/21/2025	15:56	PP075911.D	10.42	4.65
AR1268ICC750	AR1268ICC750	10/21/2025	16:12	PP075912.D	10.42	4.65
AR1268ICC500	AR1268ICC500	10/21/2025	16:29	PP075913.D	10.42	4.65
AR1268ICC250	AR1268ICC250	10/21/2025	16:45	PP075914.D	10.43	4.65
AR1268ICC050	AR1268ICC050	10/21/2025	17:01	PP075915.D	10.42	4.65
AR1660CCC500	AR1660CCC500	10/24/2025	18:58	PP076042.D	10.41	4.64
IBLK	IBLK	10/24/2025	20:36	PP076046.D	10.41	4.64
SS-20-(3.5-4.0)	Q3450-10	10/24/2025	20:52	PP076047.D	10.41	4.64
SS-28-(2.0-2.5)	Q3450-11	10/24/2025	21:08	PP076048.D	10.41	4.64
SS-21-(0.0-0.5)	Q3450-20	10/24/2025	21:24	PP076049.D	10.41	4.64
SS-21-(2.0-2.5)	Q3450-21	10/24/2025	21:41	PP076050.D	10.41	4.64
SS-21-(3.5-4.0)	Q3450-22	10/24/2025	21:57	PP076051.D	10.41	4.64
AR1660CCC500	AR1660CCC500	10/25/2025	00:22	PP076057.D	10.41	4.64
IBLK	IBLK	10/25/2025	02:16	PP076061.D	10.41	4.64
AR1660CCC500	AR1660CCC500	10/27/2025	08:56	PP076063.D	10.41	4.64
IBLK	IBLK	10/27/2025	10:02	PP076067.D	10.40	4.64
PB170236BL	PB170236BL	10/27/2025	10:18	PP076068.D	10.40	4.64
PB170236BS	PB170236BS	10/27/2025	10:34	PP076069.D	10.41	4.64

Analytical Sequence

SS-21-(0.0-0.5)DL	Q3450-20DL	10/27/2025	11:42	PP076072.D	10.41	4.64
SS-21-(3.5-4.0)DL	Q3450-22DL	10/27/2025	11:58	PP076073.D	10.40	4.64
AR1660CCC500	AR1660CCC500	10/27/2025	14:08	PP076078.D	10.41	4.64
I.BLK	I.BLK	10/27/2025	15:13	PP076082.D	10.41	4.64
I.BLK	I.BLK	10/10/2025	08:42	PQ070972.D	8.50	3.40
AR1660ICC1000	AR1660ICC1000	10/10/2025	08:57	PQ070973.D	8.50	3.40
AR1660ICC750	AR1660ICC750	10/10/2025	09:11	PQ070974.D	8.50	3.40
AR1660ICC500	AR1660ICC500	10/10/2025	09:26	PQ070975.D	8.50	3.40
AR1660ICC250	AR1660ICC250	10/10/2025	09:40	PQ070976.D	8.50	3.40
AR1660ICC050	AR1660ICC050	10/10/2025	09:55	PQ070977.D	8.50	3.40
AR1221ICC500	AR1221ICC500	10/10/2025	10:09	PQ070978.D	8.50	3.40
AR1232ICC500	AR1232ICC500	10/10/2025	10:24	PQ070979.D	8.50	3.40
AR1242ICC1000	AR1242ICC1000	10/10/2025	10:38	PQ070980.D	8.50	3.40
AR1242ICC750	AR1242ICC750	10/10/2025	10:53	PQ070981.D	8.50	3.40
AR1242ICC500	AR1242ICC500	10/10/2025	11:08	PQ070982.D	8.50	3.40
AR1242ICC250	AR1242ICC250	10/10/2025	11:22	PQ070983.D	8.50	3.40
AR1242ICC050	AR1242ICC050	10/10/2025	11:37	PQ070984.D	8.50	3.40
AR1248ICC1000	AR1248ICC1000	10/10/2025	11:51	PQ070985.D	8.50	3.40
AR1248ICC750	AR1248ICC750	10/10/2025	12:06	PQ070986.D	8.50	3.40
AR1248ICC500	AR1248ICC500	10/10/2025	12:20	PQ070987.D	8.50	3.40
AR1248ICC250	AR1248ICC250	10/10/2025	12:35	PQ070988.D	8.50	3.40
AR1248ICC050	AR1248ICC050	10/10/2025	12:50	PQ070989.D	8.50	3.40
AR1254ICC1000	AR1254ICC1000	10/10/2025	13:04	PQ070990.D	8.50	3.40
AR1254ICC750	AR1254ICC750	10/10/2025	13:19	PQ070991.D	8.50	3.40
AR1254ICC500	AR1254ICC500	10/10/2025	13:33	PQ070992.D	8.50	3.40
AR1254ICC250	AR1254ICC250	10/10/2025	13:48	PQ070993.D	8.50	3.40
AR1254ICC050	AR1254ICC050	10/10/2025	15:15	PQ070994.D	8.50	3.40
AR1262ICC500	AR1262ICC500	10/10/2025	15:30	PQ070995.D	8.50	3.40
AR1268ICC1000	AR1268ICC1000	10/10/2025	15:44	PQ070996.D	8.50	3.40
AR1268ICC750	AR1268ICC750	10/10/2025	15:59	PQ070997.D	8.50	3.40
AR1268ICC500	AR1268ICC500	10/10/2025	16:13	PQ070998.D	8.50	3.40
AR1268ICC250	AR1268ICC250	10/10/2025	16:28	PQ070999.D	8.50	3.40
AR1268ICC050	AR1268ICC050	10/10/2025	16:43	PQ071000.D	8.50	3.40
AR1660CCC500	AR1660CCC500	10/27/2025	08:57	PQ071149.D	8.50	3.40
I.BLK	I.BLK	10/27/2025	09:11	PQ071150.D	8.50	3.40
SS-5R-(2.0-2.5)	Q3450-01	10/27/2025	09:26	PQ071151.D	8.50	3.40
SS-5R-(3.5-4.0)	Q3450-02	10/27/2025	09:41	PQ071152.D	8.50	3.40
SS-5R-(3.5-4.0)MS	Q3450-02MS	10/27/2025	09:55	PQ071153.D	8.50	3.40
SS-5R-(3.5-4.0)MSD	Q3450-02MSD	10/27/2025	10:10	PQ071154.D	8.50	3.40
SS-20-(0.0-0.5)	Q3450-08	10/27/2025	10:24	PQ071155.D	8.50	3.40
SS-20-(2.0-2.5)	Q3450-09	10/27/2025	10:39	PQ071156.D	8.50	3.40
AR1660CCC500	AR1660CCC500	10/27/2025	12:35	PQ071161.D	8.50	3.40
I.BLK	I.BLK	10/27/2025	14:18	PQ071165.D	8.50	3.40

Analytical Sequence

Client: Matrix New World Engineering	SDG No.: Q3450
Project: PSEG Athenia Substation	Instrument ID: ECD_P
GC Column: ZB-MR2	ID: 0.32 (mm) Inst. Calib. Date(s): 10/21/2025 10/21/2025

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	10/21/2025	08:49	PP075887.D	8.78	3.78
AR1660ICC1000	AR1660ICC1000	10/21/2025	09:06	PP075888.D	8.78	3.78
AR1660ICC750	AR1660ICC750	10/21/2025	09:22	PP075889.D	8.78	3.78
AR1660ICC500	AR1660ICC500	10/21/2025	09:38	PP075890.D	8.78	3.78
AR1660ICC250	AR1660ICC250	10/21/2025	09:54	PP075891.D	8.78	3.78
AR1660ICC050	AR1660ICC050	10/21/2025	10:11	PP075892.D	8.78	3.78
AR1221ICC500	AR1221ICC500	10/21/2025	10:27	PP075893.D	8.78	3.78
AR1232ICC500	AR1232ICC500	10/21/2025	10:43	PP075894.D	8.78	3.78
AR1242ICC1000	AR1242ICC1000	10/21/2025	10:59	PP075895.D	8.78	3.78
AR1242ICC750	AR1242ICC750	10/21/2025	11:16	PP075896.D	8.78	3.78
AR1242ICC500	AR1242ICC500	10/21/2025	11:48	PP075897.D	8.79	3.78
AR1242ICC250	AR1242ICC250	10/21/2025	12:04	PP075898.D	8.78	3.78
AR1242ICC050	AR1242ICC050	10/21/2025	12:21	PP075899.D	8.78	3.78
AR1248ICC1000	AR1248ICC1000	10/21/2025	12:41	PP075900.D	8.78	3.78
AR1248ICC750	AR1248ICC750	10/21/2025	12:57	PP075901.D	8.78	3.78
AR1248ICC500	AR1248ICC500	10/21/2025	13:13	PP075902.D	8.78	3.78
AR1248ICC250	AR1248ICC250	10/21/2025	13:30	PP075903.D	8.78	3.78
AR1248ICC050	AR1248ICC050	10/21/2025	13:46	PP075904.D	8.78	3.78
AR1254ICC1000	AR1254ICC1000	10/21/2025	14:02	PP075905.D	8.78	3.78
AR1254ICC750	AR1254ICC750	10/21/2025	14:18	PP075906.D	8.78	3.78
AR1254ICC500	AR1254ICC500	10/21/2025	14:35	PP075907.D	8.79	3.79
AR1254ICC250	AR1254ICC250	10/21/2025	14:51	PP075908.D	8.78	3.78
AR1254ICC050	AR1254ICC050	10/21/2025	15:07	PP075909.D	8.78	3.78
AR1262ICC500	AR1262ICC500	10/21/2025	15:40	PP075910.D	8.79	3.79
AR1268ICC1000	AR1268ICC1000	10/21/2025	15:56	PP075911.D	8.79	3.78
AR1268ICC750	AR1268ICC750	10/21/2025	16:12	PP075912.D	8.78	3.78
AR1268ICC500	AR1268ICC500	10/21/2025	16:29	PP075913.D	8.79	3.79
AR1268ICC250	AR1268ICC250	10/21/2025	16:45	PP075914.D	8.79	3.79
AR1268ICC050	AR1268ICC050	10/21/2025	17:01	PP075915.D	8.79	3.79
AR1660CCC500	AR1660CCC500	10/24/2025	18:58	PP076042.D	8.78	3.78
IBLK	IBLK	10/24/2025	20:36	PP076046.D	8.78	3.78
SS-20-(3.5-4.0)	Q3450-10	10/24/2025	20:52	PP076047.D	8.78	3.78
SS-28-(2.0-2.5)	Q3450-11	10/24/2025	21:08	PP076048.D	8.78	3.78
SS-21-(0.0-0.5)	Q3450-20	10/24/2025	21:24	PP076049.D	8.78	3.78
SS-21-(2.0-2.5)	Q3450-21	10/24/2025	21:41	PP076050.D	8.78	3.78
SS-21-(3.5-4.0)	Q3450-22	10/24/2025	21:57	PP076051.D	8.78	3.78
AR1660CCC500	AR1660CCC500	10/25/2025	00:22	PP076057.D	8.78	3.78
IBLK	IBLK	10/25/2025	02:16	PP076061.D	8.78	3.78
AR1660CCC500	AR1660CCC500	10/27/2025	08:56	PP076063.D	8.78	3.78
IBLK	IBLK	10/27/2025	10:02	PP076067.D	8.77	3.78
PB170236BL	PB170236BL	10/27/2025	10:18	PP076068.D	8.77	3.78
PB170236BS	PB170236BS	10/27/2025	10:34	PP076069.D	8.78	3.78

Analytical Sequence

SS-21-(0.0-0.5)DL	Q3450-20DL	10/27/2025	11:42	PP076072.D	8.78	3.78
SS-21-(3.5-4.0)DL	Q3450-22DL	10/27/2025	11:58	PP076073.D	8.77	3.78
AR1660CCC500	AR1660CCC500	10/27/2025	14:08	PP076078.D	8.78	3.78
I.BLK	I.BLK	10/27/2025	15:13	PP076082.D	8.77	3.78
I.BLK	I.BLK	10/10/2025	08:42	PQ070972.D	7.53	2.78
AR1660ICC1000	AR1660ICC1000	10/10/2025	08:57	PQ070973.D	7.53	2.78
AR1660ICC750	AR1660ICC750	10/10/2025	09:11	PQ070974.D	7.53	2.78
AR1660ICC500	AR1660ICC500	10/10/2025	09:26	PQ070975.D	7.53	2.78
AR1660ICC250	AR1660ICC250	10/10/2025	09:40	PQ070976.D	7.53	2.78
AR1660ICC050	AR1660ICC050	10/10/2025	09:55	PQ070977.D	7.53	2.78
AR1221ICC500	AR1221ICC500	10/10/2025	10:09	PQ070978.D	7.53	2.78
AR1232ICC500	AR1232ICC500	10/10/2025	10:24	PQ070979.D	7.53	2.78
AR1242ICC1000	AR1242ICC1000	10/10/2025	10:38	PQ070980.D	7.53	2.78
AR1242ICC750	AR1242ICC750	10/10/2025	10:53	PQ070981.D	7.53	2.78
AR1242ICC500	AR1242ICC500	10/10/2025	11:08	PQ070982.D	7.53	2.78
AR1242ICC250	AR1242ICC250	10/10/2025	11:22	PQ070983.D	7.53	2.78
AR1242ICC050	AR1242ICC050	10/10/2025	11:37	PQ070984.D	7.53	2.78
AR1248ICC1000	AR1248ICC1000	10/10/2025	11:51	PQ070985.D	7.53	2.78
AR1248ICC750	AR1248ICC750	10/10/2025	12:06	PQ070986.D	7.53	2.78
AR1248ICC500	AR1248ICC500	10/10/2025	12:20	PQ070987.D	7.53	2.78
AR1248ICC250	AR1248ICC250	10/10/2025	12:35	PQ070988.D	7.53	2.78
AR1248ICC050	AR1248ICC050	10/10/2025	12:50	PQ070989.D	7.53	2.78
AR1254ICC1000	AR1254ICC1000	10/10/2025	13:04	PQ070990.D	7.53	2.78
AR1254ICC750	AR1254ICC750	10/10/2025	13:19	PQ070991.D	7.53	2.78
AR1254ICC500	AR1254ICC500	10/10/2025	13:33	PQ070992.D	7.53	2.78
AR1254ICC250	AR1254ICC250	10/10/2025	13:48	PQ070993.D	7.53	2.78
AR1254ICC050	AR1254ICC050	10/10/2025	15:15	PQ070994.D	7.53	2.78
AR1262ICC500	AR1262ICC500	10/10/2025	15:30	PQ070995.D	7.53	2.78
AR1268ICC1000	AR1268ICC1000	10/10/2025	15:44	PQ070996.D	7.53	2.78
AR1268ICC750	AR1268ICC750	10/10/2025	15:59	PQ070997.D	7.53	2.78
AR1268ICC500	AR1268ICC500	10/10/2025	16:13	PQ070998.D	7.53	2.78
AR1268ICC250	AR1268ICC250	10/10/2025	16:28	PQ070999.D	7.53	2.78
AR1268ICC050	AR1268ICC050	10/10/2025	16:43	PQ071000.D	7.53	2.78
AR1660CCC500	AR1660CCC500	10/27/2025	08:57	PQ071149.D	7.53	2.78
I.BLK	I.BLK	10/27/2025	09:11	PQ071150.D	7.53	2.78
SS-5R-(2.0-2.5)	Q3450-01	10/27/2025	09:26	PQ071151.D	7.53	2.78
SS-5R-(3.5-4.0)	Q3450-02	10/27/2025	09:41	PQ071152.D	7.53	2.78
SS-5R-(3.5-4.0)MS	Q3450-02MS	10/27/2025	09:55	PQ071153.D	7.53	2.78
SS-5R-(3.5-4.0)MSD	Q3450-02MSD	10/27/2025	10:10	PQ071154.D	7.53	2.78
SS-20-(0.0-0.5)	Q3450-08	10/27/2025	10:24	PQ071155.D	7.53	2.78
SS-20-(2.0-2.5)	Q3450-09	10/27/2025	10:39	PQ071156.D	7.53	2.78
AR1660CCC500	AR1660CCC500	10/27/2025	12:35	PQ071161.D	7.53	2.78
I.BLK	I.BLK	10/27/2025	14:18	PQ071165.D	7.53	2.78