

Analytical Sequence

Client: ATC Group Services LLC

SDG No.: Q1437

Project: K084-SCA PCBs NYC - 2022SCA421

Instrument ID: ECD_O

GC Column: ZB-MR1

ID: 0.32 (mm)

Inst. Calib. Date(s): 02/20/2025

02/20/2025

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	02/20/2025	16:28	PO109425.D	8.76	3.70
AR1660ICC1000	AR1660ICC1000	02/20/2025	16:46	PO109426.D	8.76	3.70
AR1660ICC750	AR1660ICC750	02/20/2025	17:04	PO109427.D	8.76	3.70
AR1660ICC500	AR1660ICC500	02/20/2025	17:23	PO109428.D	8.76	3.70
AR1660ICC250	AR1660ICC250	02/20/2025	17:41	PO109429.D	8.76	3.70
AR1660ICC050	AR1660ICC050	02/20/2025	17:59	PO109430.D	8.76	3.70
AR1221ICC500	AR1221ICC500	02/20/2025	18:18	PO109431.D	8.76	3.70
AR1232ICC500	AR1232ICC500	02/20/2025	18:36	PO109432.D	8.76	3.70
AR1242ICC1000	AR1242ICC1000	02/20/2025	18:55	PO109433.D	8.76	3.70
AR1242ICC750	AR1242ICC750	02/20/2025	19:13	PO109434.D	8.76	3.70
AR1242ICC500	AR1242ICC500	02/20/2025	19:31	PO109435.D	8.76	3.70
AR1242ICC250	AR1242ICC250	02/20/2025	19:50	PO109436.D	8.76	3.70
AR1242ICC050	AR1242ICC050	02/20/2025	20:08	PO109437.D	8.76	3.70
AR1248ICC1000	AR1248ICC1000	02/20/2025	20:26	PO109438.D	8.76	3.70
AR1248ICC750	AR1248ICC750	02/20/2025	20:45	PO109439.D	8.76	3.70
AR1248ICC500	AR1248ICC500	02/20/2025	21:03	PO109440.D	8.76	3.70
AR1248ICC250	AR1248ICC250	02/20/2025	21:21	PO109441.D	8.76	3.70
AR1248ICC050	AR1248ICC050	02/20/2025	21:40	PO109442.D	8.75	3.70
AR1254ICC1000	AR1254ICC1000	02/20/2025	21:58	PO109443.D	8.75	3.70
AR1254ICC750	AR1254ICC750	02/20/2025	22:17	PO109444.D	8.76	3.70
AR1254ICC500	AR1254ICC500	02/20/2025	22:35	PO109445.D	8.76	3.70
AR1254ICC250	AR1254ICC250	02/20/2025	22:53	PO109446.D	8.76	3.70
AR1254ICC050	AR1254ICC050	02/20/2025	23:12	PO109447.D	8.76	3.70
AR1262ICC500	AR1262ICC500	02/20/2025	23:30	PO109448.D	8.75	3.70
AR1268ICC1000	AR1268ICC1000	02/20/2025	23:48	PO109449.D	8.76	3.70
AR1268ICC750	AR1268ICC750	02/21/2025	00:07	PO109450.D	8.76	3.70
AR1268ICC500	AR1268ICC500	02/21/2025	00:25	PO109451.D	8.75	3.70
AR1268ICC250	AR1268ICC250	02/21/2025	00:43	PO109452.D	8.76	3.70
AR1268ICC050	AR1268ICC050	02/21/2025	01:02	PO109453.D	8.75	3.70
AR1660CCC500	AR1660CCC500	02/27/2025	17:49	PO109533.D	8.76	3.70
IBLK	IBLK	02/27/2025	20:12	PO109537.D	8.76	3.70
PB166889BL	PB166889BL	02/27/2025	22:57	PO109546.D	8.76	3.70
PB166889BS	PB166889BS	02/27/2025	23:16	PO109547.D	8.76	3.70
AR1660CCC500	AR1660CCC500	02/28/2025	00:02	PO109548.D	8.76	3.70
IBLK	IBLK	02/28/2025	01:14	PO109552.D	8.76	3.70
K084-5AMS	Q1434-03MS	02/28/2025	04:16	PO109562.D	8.76	3.70
K084-5AMSD	Q1434-03MSD	02/28/2025	04:34	PO109563.D	8.76	3.70
K084-12A	Q1437-03	02/28/2025	07:18	PO109572.D	8.75	3.70
AR1660CCC500	AR1660CCC500	02/28/2025	08:19	PO109573.D	8.75	3.70
IBLK	IBLK	02/28/2025	08:38	PO109574.D	8.75	3.70
K084-13A	Q1437-06	02/28/2025	08:55	PO109575.D	8.75	3.69
K084-14A	Q1437-09	02/28/2025	09:14	PO109576.D	8.75	3.70

Analytical Sequence

AR1660CC500	AR1660CC500	02/28/2025	10:00	PO109577.D	8.75	3.70
IBLK	IBLK	02/28/2025	10:19	PO109578.D	8.75	3.70
AR1660CCC500	AR1660CCC500	02/28/2025	18:46	PO109600.D	8.75	3.70
IBLK	IBLK	02/28/2025	19:04	PO109601.D	8.75	3.69
K084-12ADL	Q1437-03DL	02/28/2025	23:21	PO109615.D	8.75	3.70
K084-12ADL2	Q1437-03DL2	02/28/2025	23:39	PO109616.D	8.75	3.70
K084-13ADL	Q1437-06DL	02/28/2025	23:58	PO109617.D	8.76	3.70
K084-14ADL	Q1437-09DL	03/01/2025	00:15	PO109618.D	8.75	3.70
AR1660CCC500	AR1660CCC500	03/01/2025	01:30	PO109619.D	8.75	3.70
IBLK	IBLK	03/01/2025	01:49	PO109620.D	8.75	3.70
AR1660CCC500	AR1660CCC500	03/06/2025	16:11	PO109662.D	8.76	3.70
IBLK	IBLK	03/06/2025	18:01	PO109666.D	8.76	3.70
K084-13B	Q1437-07	03/06/2025	20:10	PO109673.D	8.76	3.70
K084-14B	Q1437-10	03/06/2025	20:28	PO109674.D	8.76	3.70
AR1660CCC500	AR1660CCC500	03/06/2025	22:19	PO109677.D	8.75	3.70
IBLK	IBLK	03/07/2025	00:09	PO109681.D	8.76	3.70
PB167022BL	PB167022BL	03/07/2025	00:28	PO109682.D	8.75	3.70
PB167022BS	PB167022BS	03/07/2025	00:46	PO109683.D	8.76	3.70
K084-4CMS	Q1434-02MS	03/07/2025	02:18	PO109688.D	8.75	3.70
K084-4CMSD	Q1434-02MSD	03/07/2025	02:37	PO109689.D	8.75	3.70
AR1660CCC500	AR1660CCC500	03/07/2025	04:29	PO109692.D	8.75	3.70
IBLK	IBLK	03/07/2025	06:19	PO109696.D	8.75	3.70
AR1660CCC500	AR1660CCC500	03/07/2025	08:58	PO109698.D	8.75	3.70
IBLK	IBLK	03/07/2025	09:17	PO109699.D	8.75	3.70
K084-13BDL	Q1437-07DL	03/07/2025	09:36	PO109700.D	8.76	3.70
AR1660CCC500	AR1660CCC500	03/07/2025	12:30	PO109708.D	8.75	3.70
IBLK	IBLK	03/07/2025	13:42	PO109712.D	8.75	3.70
IBLK	IBLK	02/24/2025	14:43	PP069995.D	10.25	4.53
AR1660ICC1000	AR1660ICC1000	02/24/2025	14:59	PP069996.D	10.25	4.52
AR1660ICC750	AR1660ICC750	02/24/2025	15:15	PP069997.D	10.26	4.53
AR1660ICC500	AR1660ICC500	02/24/2025	15:32	PP069998.D	10.26	4.53
AR1660ICC250	AR1660ICC250	02/24/2025	15:48	PP069999.D	10.25	4.52
AR1660ICC050	AR1660ICC050	02/24/2025	16:04	PP070000.D	10.26	4.53
AR1221ICC500	AR1221ICC500	02/24/2025	16:20	PP070001.D	10.25	4.52
AR1232ICC500	AR1232ICC500	02/24/2025	16:37	PP070002.D	10.26	4.53
AR1242ICC1000	AR1242ICC1000	02/24/2025	16:53	PP070003.D	10.26	4.53
AR1242ICC750	AR1242ICC750	02/24/2025	17:09	PP070004.D	10.25	4.52
AR1242ICC500	AR1242ICC500	02/24/2025	17:25	PP070005.D	10.26	4.53
AR1242ICC250	AR1242ICC250	02/24/2025	17:42	PP070006.D	10.25	4.53
AR1242ICC050	AR1242ICC050	02/24/2025	17:58	PP070007.D	10.26	4.53
AR1248ICC1000	AR1248ICC1000	02/24/2025	18:14	PP070008.D	10.26	4.53
AR1248ICC750	AR1248ICC750	02/24/2025	18:30	PP070009.D	10.26	4.53
AR1248ICC500	AR1248ICC500	02/24/2025	18:46	PP070010.D	10.26	4.53
AR1248ICC250	AR1248ICC250	02/24/2025	19:03	PP070011.D	10.26	4.53
AR1248ICC050	AR1248ICC050	02/24/2025	19:19	PP070012.D	10.25	4.52
AR1254ICC1000	AR1254ICC1000	02/24/2025	19:35	PP070013.D	10.26	4.53
AR1254ICC750	AR1254ICC750	02/24/2025	19:51	PP070014.D	10.25	4.52
AR1254ICC500	AR1254ICC500	02/24/2025	20:08	PP070015.D	10.26	4.53
AR1254ICC250	AR1254ICC250	02/24/2025	20:24	PP070016.D	10.26	4.53
AR1254ICC050	AR1254ICC050	02/24/2025	20:40	PP070017.D	10.26	4.52
AR1262ICC500	AR1262ICC500	02/24/2025	20:56	PP070018.D	10.25	4.53
AR1268ICC1000	AR1268ICC1000	02/24/2025	21:12	PP070019.D	10.25	4.52

Analytical Sequence

AR1268ICC750	AR1268ICC750	02/24/2025	21:29	PP070020.D	10.25	4.53
AR1268ICC500	AR1268ICC500	02/24/2025	21:45	PP070021.D	10.26	4.53
AR1268ICC250	AR1268ICC250	02/24/2025	22:01	PP070022.D	10.25	4.52
AR1268ICC050	AR1268ICC050	02/24/2025	22:17	PP070023.D	10.26	4.53
AR1660CCC500	AR1660CCC500	03/06/2025	20:20	PP070324.D	10.26	4.53
IBLK	IBLK	03/06/2025	21:58	PP070328.D	10.26	4.53
K084-11B	Q1437-01	03/06/2025	22:30	PP070330.D	10.26	4.53
K084-12B	Q1437-04	03/06/2025	22:47	PP070331.D	10.26	4.52
AR1660CCC500	AR1660CCC500	03/06/2025	23:46	PP070332.D	10.26	4.53
IBLK	IBLK	03/07/2025	01:23	PP070336.D	10.25	4.52
AR1660CCC500	AR1660CCC500	03/07/2025	10:58	PP070344.D	10.25	4.53
IBLK	IBLK	03/07/2025	12:03	PP070348.D	10.25	4.53
K084-11BDL	Q1437-01DL	03/07/2025	12:52	PP070351.D	10.26	4.53
K084-12BDL	Q1437-04DL	03/07/2025	13:08	PP070352.D	10.25	4.53
K084-12BDL2	Q1437-04DL2	03/07/2025	13:24	PP070353.D	10.25	4.52
AR1660CCC500	AR1660CCC500	03/07/2025	15:45	PP070359.D	10.25	4.53
IBLK	IBLK	03/07/2025	16:50	PP070363.D	10.25	4.52

Analytical Sequence

Client: ATC Group Services LLC

SDG No.: Q1437

Project: K084-SCA PCBs NYC - 2022SCA421

Instrument ID: ECD_O

GC Column: ZB-MR2

ID: 0.32 (mm)

Inst. Calib. Date(s): 02/20/2025

02/20/2025

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	02/20/2025	16:28	PO109425.D	8.71	3.69
AR1660ICC1000	AR1660ICC1000	02/20/2025	16:46	PO109426.D	8.71	3.69
AR1660ICC750	AR1660ICC750	02/20/2025	17:04	PO109427.D	8.71	3.69
AR1660ICC500	AR1660ICC500	02/20/2025	17:23	PO109428.D	8.71	3.69
AR1660ICC250	AR1660ICC250	02/20/2025	17:41	PO109429.D	8.71	3.69
AR1660ICC050	AR1660ICC050	02/20/2025	17:59	PO109430.D	8.71	3.69
AR1221ICC500	AR1221ICC500	02/20/2025	18:18	PO109431.D	8.71	3.69
AR1232ICC500	AR1232ICC500	02/20/2025	18:36	PO109432.D	8.71	3.69
AR1242ICC1000	AR1242ICC1000	02/20/2025	18:55	PO109433.D	8.71	3.69
AR1242ICC750	AR1242ICC750	02/20/2025	19:13	PO109434.D	8.71	3.69
AR1242ICC500	AR1242ICC500	02/20/2025	19:31	PO109435.D	8.71	3.69
AR1242ICC250	AR1242ICC250	02/20/2025	19:50	PO109436.D	8.71	3.69
AR1242ICC050	AR1242ICC050	02/20/2025	20:08	PO109437.D	8.71	3.69
AR1248ICC1000	AR1248ICC1000	02/20/2025	20:26	PO109438.D	8.71	3.69
AR1248ICC750	AR1248ICC750	02/20/2025	20:45	PO109439.D	8.71	3.69
AR1248ICC500	AR1248ICC500	02/20/2025	21:03	PO109440.D	8.71	3.69
AR1248ICC250	AR1248ICC250	02/20/2025	21:21	PO109441.D	8.71	3.69
AR1248ICC050	AR1248ICC050	02/20/2025	21:40	PO109442.D	8.71	3.69
AR1254ICC1000	AR1254ICC1000	02/20/2025	21:58	PO109443.D	8.71	3.69
AR1254ICC750	AR1254ICC750	02/20/2025	22:17	PO109444.D	8.71	3.69
AR1254ICC500	AR1254ICC500	02/20/2025	22:35	PO109445.D	8.71	3.69
AR1254ICC250	AR1254ICC250	02/20/2025	22:53	PO109446.D	8.71	3.69
AR1254ICC050	AR1254ICC050	02/20/2025	23:12	PO109447.D	8.71	3.69
AR1262ICC500	AR1262ICC500	02/20/2025	23:30	PO109448.D	8.71	3.69
AR1268ICC1000	AR1268ICC1000	02/20/2025	23:48	PO109449.D	8.71	3.69
AR1268ICC750	AR1268ICC750	02/21/2025	00:07	PO109450.D	8.71	3.69
AR1268ICC500	AR1268ICC500	02/21/2025	00:25	PO109451.D	8.71	3.69
AR1268ICC250	AR1268ICC250	02/21/2025	00:43	PO109452.D	8.71	3.69
AR1268ICC050	AR1268ICC050	02/21/2025	01:02	PO109453.D	8.70	3.69
AR1660CCC500	AR1660CCC500	02/27/2025	17:49	PO109533.D	8.71	3.70
IBLK	IBLK	02/27/2025	20:12	PO109537.D	8.71	3.70
PB166889BL	PB166889BL	02/27/2025	22:57	PO109546.D	8.71	3.70
PB166889BS	PB166889BS	02/27/2025	23:16	PO109547.D	8.71	3.70
AR1660CCC500	AR1660CCC500	02/28/2025	00:02	PO109548.D	8.71	3.70
IBLK	IBLK	02/28/2025	01:14	PO109552.D	8.71	3.70
K084-5AMS	Q1434-03MS	02/28/2025	04:16	PO109562.D	8.71	3.69
K084-5AMSD	Q1434-03MSD	02/28/2025	04:34	PO109563.D	8.71	3.69
K084-12A	Q1437-03	02/28/2025	07:18	PO109572.D	8.71	3.69
AR1660CCC500	AR1660CCC500	02/28/2025	08:19	PO109573.D	8.71	3.70
IBLK	IBLK	02/28/2025	08:38	PO109574.D	8.71	3.69
K084-13A	Q1437-06	02/28/2025	08:55	PO109575.D	8.70	3.69
K084-14A	Q1437-09	02/28/2025	09:14	PO109576.D	8.70	3.69

Analytical Sequence

AR1660CC500	AR1660CC500	02/28/2025	10:00	PO109577.D	8.71	3.69
IBLK	IBLK	02/28/2025	10:19	PO109578.D	8.71	3.69
AR1660CCC500	AR1660CCC500	02/28/2025	18:46	PO109600.D	8.71	3.70
IBLK	IBLK	02/28/2025	19:04	PO109601.D	8.71	3.69
K084-12ADL	Q1437-03DL	02/28/2025	23:21	PO109615.D	8.71	3.69
K084-12ADL2	Q1437-03DL2	02/28/2025	23:39	PO109616.D	8.71	3.69
K084-13ADL	Q1437-06DL	02/28/2025	23:58	PO109617.D	8.71	3.69
K084-14ADL	Q1437-09DL	03/01/2025	00:15	PO109618.D	8.70	3.69
AR1660CCC500	AR1660CCC500	03/01/2025	01:30	PO109619.D	8.71	3.70
IBLK	IBLK	03/01/2025	01:49	PO109620.D	8.71	3.70
AR1660CCC500	AR1660CCC500	03/06/2025	16:11	PO109662.D	8.71	3.70
IBLK	IBLK	03/06/2025	18:01	PO109666.D	8.71	3.69
K084-13B	Q1437-07	03/06/2025	20:10	PO109673.D	8.71	3.69
K084-14B	Q1437-10	03/06/2025	20:28	PO109674.D	8.71	3.69
AR1660CCC500	AR1660CCC500	03/06/2025	22:19	PO109677.D	8.71	3.69
IBLK	IBLK	03/07/2025	00:09	PO109681.D	8.71	3.69
PB167022BL	PB167022BL	03/07/2025	00:28	PO109682.D	8.71	3.69
PB167022BS	PB167022BS	03/07/2025	00:46	PO109683.D	8.71	3.69
K084-4CMS	Q1434-02MS	03/07/2025	02:18	PO109688.D	8.71	3.69
K084-4CMSD	Q1434-02MSD	03/07/2025	02:37	PO109689.D	8.70	3.69
AR1660CCC500	AR1660CCC500	03/07/2025	04:29	PO109692.D	8.71	3.70
IBLK	IBLK	03/07/2025	06:19	PO109696.D	8.70	3.69
AR1660CCC500	AR1660CCC500	03/07/2025	08:58	PO109698.D	8.70	3.69
IBLK	IBLK	03/07/2025	09:17	PO109699.D	8.70	3.69
K084-13BDL	Q1437-07DL	03/07/2025	09:36	PO109700.D	8.71	3.69
AR1660CCC500	AR1660CCC500	03/07/2025	12:30	PO109708.D	8.71	3.69
IBLK	IBLK	03/07/2025	13:42	PO109712.D	8.71	3.69
IBLK	IBLK	02/24/2025	14:43	PP069995.D	8.89	3.83
AR1660ICC1000	AR1660ICC1000	02/24/2025	14:59	PP069996.D	8.89	3.83
AR1660ICC750	AR1660ICC750	02/24/2025	15:15	PP069997.D	8.89	3.83
AR1660ICC500	AR1660ICC500	02/24/2025	15:32	PP069998.D	8.89	3.83
AR1660ICC250	AR1660ICC250	02/24/2025	15:48	PP069999.D	8.89	3.83
AR1660ICC050	AR1660ICC050	02/24/2025	16:04	PP070000.D	8.89	3.83
AR1221ICC500	AR1221ICC500	02/24/2025	16:20	PP070001.D	8.89	3.83
AR1232ICC500	AR1232ICC500	02/24/2025	16:37	PP070002.D	8.89	3.83
AR1242ICC1000	AR1242ICC1000	02/24/2025	16:53	PP070003.D	8.89	3.83
AR1242ICC750	AR1242ICC750	02/24/2025	17:09	PP070004.D	8.89	3.83
AR1242ICC500	AR1242ICC500	02/24/2025	17:25	PP070005.D	8.89	3.83
AR1242ICC250	AR1242ICC250	02/24/2025	17:42	PP070006.D	8.89	3.83
AR1242ICC050	AR1242ICC050	02/24/2025	17:58	PP070007.D	8.89	3.83
AR1248ICC1000	AR1248ICC1000	02/24/2025	18:14	PP070008.D	8.89	3.83
AR1248ICC750	AR1248ICC750	02/24/2025	18:30	PP070009.D	8.89	3.83
AR1248ICC500	AR1248ICC500	02/24/2025	18:46	PP070010.D	8.89	3.83
AR1248ICC250	AR1248ICC250	02/24/2025	19:03	PP070011.D	8.89	3.83
AR1248ICC050	AR1248ICC050	02/24/2025	19:19	PP070012.D	8.89	3.83
AR1254ICC1000	AR1254ICC1000	02/24/2025	19:35	PP070013.D	8.89	3.83
AR1254ICC750	AR1254ICC750	02/24/2025	19:51	PP070014.D	8.89	3.83
AR1254ICC500	AR1254ICC500	02/24/2025	20:08	PP070015.D	8.89	3.83
AR1254ICC250	AR1254ICC250	02/24/2025	20:24	PP070016.D	8.89	3.83
AR1254ICC050	AR1254ICC050	02/24/2025	20:40	PP070017.D	8.89	3.83
AR1262ICC500	AR1262ICC500	02/24/2025	20:56	PP070018.D	8.89	3.83
AR1268ICC1000	AR1268ICC1000	02/24/2025	21:12	PP070019.D	8.89	3.83

Analytical Sequence

AR1268ICC750	AR1268ICC750	02/24/2025	21:29	PP070020.D	8.89	3.83
AR1268ICC500	AR1268ICC500	02/24/2025	21:45	PP070021.D	8.89	3.83
AR1268ICC250	AR1268ICC250	02/24/2025	22:01	PP070022.D	8.89	3.83
AR1268ICC050	AR1268ICC050	02/24/2025	22:17	PP070023.D	8.89	3.83
AR1660CCC500	AR1660CCC500	03/06/2025	20:20	PP070324.D	8.88	3.83
IBLK	IBLK	03/06/2025	21:58	PP070328.D	8.88	3.83
K084-11B	Q1437-01	03/06/2025	22:30	PP070330.D	8.88	3.83
K084-12B	Q1437-04	03/06/2025	22:47	PP070331.D	8.89	3.83
AR1660CCC500	AR1660CCC500	03/06/2025	23:46	PP070332.D	8.88	3.83
IBLK	IBLK	03/07/2025	01:23	PP070336.D	8.88	3.83
AR1660CCC500	AR1660CCC500	03/07/2025	10:58	PP070344.D	8.88	3.83
IBLK	IBLK	03/07/2025	12:03	PP070348.D	8.88	3.83
K084-11BDL	Q1437-01DL	03/07/2025	12:52	PP070351.D	8.88	3.83
K084-12BDL	Q1437-04DL	03/07/2025	13:08	PP070352.D	8.88	3.83
K084-12BDL2	Q1437-04DL2	03/07/2025	13:24	PP070353.D	8.88	3.83
AR1660CCC500	AR1660CCC500	03/07/2025	15:45	PP070359.D	8.88	3.83
IBLK	IBLK	03/07/2025	16:50	PP070363.D	8.88	3.83