

Analytical Sequence

Client: Langan Engineering and Environmental Se	SDG No.: Q3323
Project: Con Edison Richmond Terrace	Instrument ID: ECD_O
GC Column: ZB-MR1	ID: 0.32 (mm) Inst. Calib. Date(s): 10/09/2025 10/09/2025

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	10/09/2025	13:55	PO114312.D	9.93	4.36
AR1660ICC1000	AR1660ICC1000	10/09/2025	14:14	PO114313.D	9.93	4.36
AR1660ICC750	AR1660ICC750	10/09/2025	14:32	PO114314.D	9.93	4.36
AR1660ICC500	AR1660ICC500	10/09/2025	14:50	PO114315.D	9.93	4.36
AR1660ICC250	AR1660ICC250	10/09/2025	15:09	PO114316.D	9.93	4.36
AR1660ICC050	AR1660ICC050	10/09/2025	15:27	PO114317.D	9.93	4.36
AR1221ICC500	AR1221ICC500	10/09/2025	15:45	PO114318.D	9.93	4.36
AR1232ICC500	AR1232ICC500	10/09/2025	16:04	PO114319.D	9.93	4.36
AR1242ICC1000	AR1242ICC1000	10/09/2025	16:22	PO114320.D	9.93	4.36
AR1242ICC750	AR1242ICC750	10/09/2025	16:40	PO114321.D	9.93	4.36
AR1242ICC500	AR1242ICC500	10/09/2025	16:59	PO114322.D	9.93	4.36
AR1242ICC250	AR1242ICC250	10/09/2025	17:17	PO114323.D	9.93	4.36
AR1242ICC050	AR1242ICC050	10/09/2025	17:35	PO114324.D	9.93	4.36
AR1248ICC1000	AR1248ICC1000	10/09/2025	17:54	PO114325.D	9.93	4.36
AR1248ICC750	AR1248ICC750	10/09/2025	18:12	PO114326.D	9.93	4.36
AR1248ICC500	AR1248ICC500	10/09/2025	18:30	PO114327.D	9.93	4.36
AR1248ICC250	AR1248ICC250	10/09/2025	18:49	PO114328.D	9.93	4.36
AR1248ICC050	AR1248ICC050	10/09/2025	19:07	PO114329.D	9.93	4.36
AR1254ICC1000	AR1254ICC1000	10/09/2025	19:26	PO114330.D	9.93	4.36
AR1254ICC750	AR1254ICC750	10/09/2025	19:44	PO114331.D	9.93	4.36
AR1254ICC500	AR1254ICC500	10/09/2025	20:02	PO114332.D	9.93	4.36
AR1254ICC250	AR1254ICC250	10/09/2025	20:21	PO114333.D	9.93	4.36
AR1254ICC050	AR1254ICC050	10/09/2025	20:39	PO114334.D	9.93	4.36
AR1262ICC500	AR1262ICC500	10/09/2025	20:57	PO114335.D	9.93	4.36
AR1268ICC1000	AR1268ICC1000	10/09/2025	21:16	PO114336.D	9.93	4.36
AR1268ICC750	AR1268ICC750	10/09/2025	21:34	PO114337.D	9.93	4.36
AR1268ICC500	AR1268ICC500	10/09/2025	21:52	PO114338.D	9.93	4.36
AR1268ICC250	AR1268ICC250	10/09/2025	22:11	PO114339.D	9.93	4.36
AR1268ICC050	AR1268ICC050	10/09/2025	22:29	PO114340.D	9.93	4.36
AR1660CCC500	AR1660CCC500	10/13/2025	10:12	PO114348.D	9.94	4.36
IBLK	IBLK	10/13/2025	11:25	PO114352.D	9.94	4.36
HADLEY-ROAD-TPMS	Q3327-01MS	10/13/2025	13:19	PO114355.D	9.94	4.36
HADLEY-ROAD-TPMSD	Q3327-01MSD	10/13/2025	13:37	PO114356.D	9.94	4.36
AR1660CCC500	AR1660CCC500	10/13/2025	15:26	PO114359.D	9.94	4.36
IBLK	IBLK	10/13/2025	16:39	PO114363.D	9.94	4.36
IBLK	IBLK	09/23/2025	08:29	PP075246.D	10.44	4.66
AR1660ICC1000	AR1660ICC1000	09/23/2025	08:45	PP075247.D	10.43	4.65
AR1660ICC750	AR1660ICC750	09/23/2025	09:01	PP075248.D	10.44	4.66
AR1660ICC500	AR1660ICC500	09/23/2025	09:18	PP075249.D	10.43	4.66
AR1660ICC250	AR1660ICC250	09/23/2025	09:34	PP075250.D	10.43	4.66
AR1660ICC050	AR1660ICC050	09/23/2025	10:11	PP075251.D	10.45	4.66
AR1221ICC500	AR1221ICC500	09/23/2025	10:27	PP075252.D	10.44	4.66

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AR1232ICC500	AR1232ICC500	09/23/2025	10:43	PP075253.D	10.44	4.66
AR1242ICC1000	AR1242ICC1000	09/23/2025	11:00	PP075254.D	10.44	4.66
AR1242ICC750	AR1242ICC750	09/23/2025	11:16	PP075255.D	10.44	4.66
AR1242ICC500	AR1242ICC500	09/23/2025	11:32	PP075256.D	10.44	4.66
AR1242ICC250	AR1242ICC250	09/23/2025	11:48	PP075257.D	10.44	4.66
AR1242ICC050	AR1242ICC050	09/23/2025	12:05	PP075258.D	10.44	4.66
AR1248ICC1000	AR1248ICC1000	09/23/2025	12:37	PP075259.D	10.43	4.66
AR1248ICC750	AR1248ICC750	09/23/2025	12:53	PP075260.D	10.44	4.66
AR1248ICC500	AR1248ICC500	09/23/2025	13:10	PP075261.D	10.44	4.66
AR1248ICC250	AR1248ICC250	09/23/2025	13:26	PP075262.D	10.44	4.66
AR1248ICC050	AR1248ICC050	09/23/2025	13:42	PP075263.D	10.44	4.66
AR1254ICC1000	AR1254ICC1000	09/23/2025	14:15	PP075264.D	10.44	4.66
AR1254ICC750	AR1254ICC750	09/23/2025	14:31	PP075265.D	10.44	4.66
AR1254ICC500	AR1254ICC500	09/23/2025	14:47	PP075266.D	10.44	4.66
AR1254ICC250	AR1254ICC250	09/23/2025	15:04	PP075267.D	10.44	4.66
AR1254ICC050	AR1254ICC050	09/23/2025	15:20	PP075268.D	10.43	4.66
AR1262ICC500	AR1262ICC500	09/23/2025	15:52	PP075269.D	10.44	4.66
AR1268ICC1000	AR1268ICC1000	09/23/2025	16:09	PP075270.D	10.44	4.66
AR1268ICC750	AR1268ICC750	09/23/2025	16:25	PP075271.D	10.44	4.66
AR1268ICC500	AR1268ICC500	09/23/2025	16:41	PP075272.D	10.44	4.66
AR1268ICC250	AR1268ICC250	09/23/2025	16:58	PP075273.D	10.44	4.66
AR1268ICC050	AR1268ICC050	09/23/2025	17:14	PP075274.D	10.44	4.66
AR1660CCC500	AR1660CCC500	10/13/2025	09:52	PP075732.D	10.44	4.66
IBLK	IBLK	10/13/2025	11:14	PP075736.D	10.43	4.66
PB170064BL	PB170064BL	10/13/2025	12:39	PP075737.D	10.44	4.65
SED-01-0-2	Q3323-01	10/13/2025	13:29	PP075739.D	10.43	4.66
SED-02-0-2	Q3323-02	10/13/2025	13:45	PP075740.D	10.44	4.66
SED-03-0-2	Q3323-03	10/13/2025	14:01	PP075741.D	10.43	4.65
SED-04-0-2	Q3323-04	10/13/2025	14:17	PP075742.D	10.44	4.66
SED-05-0-2	Q3323-05	10/13/2025	14:33	PP075743.D	10.44	4.65
SED-06-0-2	Q3323-06	10/13/2025	14:50	PP075744.D	10.43	4.66
SED-07-0-2	Q3323-07	10/13/2025	15:06	PP075745.D	10.43	4.66
AR1660CCC500	AR1660CCC500	10/13/2025	16:27	PP075747.D	10.43	4.65
IBLK	IBLK	10/13/2025	17:48	PP075751.D	10.43	4.66
AR1660CCC500	AR1660CCC500	10/14/2025	09:20	PP075768.D	10.43	4.65
IBLK	IBLK	10/14/2025	10:33	PP075772.D	10.43	4.65
PB170064BS	PB170064BS	10/14/2025	11:06	PP075774.D	10.43	4.66
AR1660CCC500	AR1660CCC500	10/14/2025	13:32	PP075780.D	10.43	4.65
IBLK	IBLK	10/14/2025	14:37	PP075784.D	10.44	4.66

Analytical Sequence

Client: Langan Engineering and Environmental Se	SDG No.: Q3323
Project: Con Edison Richmond Terrace	Instrument ID: ECD_O
GC Column: ZB-MR2	ID: 0.32 (mm) Inst. Calib. Date(s): 10/09/2025 10/09/2025

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	10/09/2025	13:55	PO114312.D	8.67	3.66
AR1660ICC1000	AR1660ICC1000	10/09/2025	14:14	PO114313.D	8.67	3.66
AR1660ICC750	AR1660ICC750	10/09/2025	14:32	PO114314.D	8.67	3.66
AR1660ICC500	AR1660ICC500	10/09/2025	14:50	PO114315.D	8.67	3.66
AR1660ICC250	AR1660ICC250	10/09/2025	15:09	PO114316.D	8.67	3.66
AR1660ICC050	AR1660ICC050	10/09/2025	15:27	PO114317.D	8.67	3.66
AR1221ICC500	AR1221ICC500	10/09/2025	15:45	PO114318.D	8.67	3.66
AR1232ICC500	AR1232ICC500	10/09/2025	16:04	PO114319.D	8.67	3.66
AR1242ICC1000	AR1242ICC1000	10/09/2025	16:22	PO114320.D	8.67	3.66
AR1242ICC750	AR1242ICC750	10/09/2025	16:40	PO114321.D	8.67	3.66
AR1242ICC500	AR1242ICC500	10/09/2025	16:59	PO114322.D	8.67	3.66
AR1242ICC250	AR1242ICC250	10/09/2025	17:17	PO114323.D	8.67	3.66
AR1242ICC050	AR1242ICC050	10/09/2025	17:35	PO114324.D	8.67	3.66
AR1248ICC1000	AR1248ICC1000	10/09/2025	17:54	PO114325.D	8.67	3.66
AR1248ICC750	AR1248ICC750	10/09/2025	18:12	PO114326.D	8.67	3.66
AR1248ICC500	AR1248ICC500	10/09/2025	18:30	PO114327.D	8.67	3.66
AR1248ICC250	AR1248ICC250	10/09/2025	18:49	PO114328.D	8.67	3.66
AR1248ICC050	AR1248ICC050	10/09/2025	19:07	PO114329.D	8.67	3.66
AR1254ICC1000	AR1254ICC1000	10/09/2025	19:26	PO114330.D	8.67	3.66
AR1254ICC750	AR1254ICC750	10/09/2025	19:44	PO114331.D	8.67	3.66
AR1254ICC500	AR1254ICC500	10/09/2025	20:02	PO114332.D	8.67	3.66
AR1254ICC250	AR1254ICC250	10/09/2025	20:21	PO114333.D	8.67	3.66
AR1254ICC050	AR1254ICC050	10/09/2025	20:39	PO114334.D	8.67	3.66
AR1262ICC500	AR1262ICC500	10/09/2025	20:57	PO114335.D	8.67	3.66
AR1268ICC1000	AR1268ICC1000	10/09/2025	21:16	PO114336.D	8.67	3.66
AR1268ICC750	AR1268ICC750	10/09/2025	21:34	PO114337.D	8.67	3.66
AR1268ICC500	AR1268ICC500	10/09/2025	21:52	PO114338.D	8.67	3.66
AR1268ICC250	AR1268ICC250	10/09/2025	22:11	PO114339.D	8.67	3.66
AR1268ICC050	AR1268ICC050	10/09/2025	22:29	PO114340.D	8.67	3.66
AR1660CCC500	AR1660CCC500	10/13/2025	10:12	PO114348.D	8.67	3.66
IBLK	IBLK	10/13/2025	11:25	PO114352.D	8.67	3.66
HADLEY-ROAD-TPMS	Q3327-01MS	10/13/2025	13:19	PO114355.D	8.67	3.66
HADLEY-ROAD-TPMSD	Q3327-01MSD	10/13/2025	13:37	PO114356.D	8.67	3.66
AR1660CCC500	AR1660CCC500	10/13/2025	15:26	PO114359.D	8.67	3.66
IBLK	IBLK	10/13/2025	16:39	PO114363.D	8.67	3.66
IBLK	IBLK	09/23/2025	08:29	PP075246.D	8.81	3.80
AR1660ICC1000	AR1660ICC1000	09/23/2025	08:45	PP075247.D	8.81	3.80
AR1660ICC750	AR1660ICC750	09/23/2025	09:01	PP075248.D	8.80	3.80
AR1660ICC500	AR1660ICC500	09/23/2025	09:18	PP075249.D	8.80	3.80
AR1660ICC250	AR1660ICC250	09/23/2025	09:34	PP075250.D	8.80	3.80
AR1660ICC050	AR1660ICC050	09/23/2025	10:11	PP075251.D	8.81	3.80
AR1221ICC500	AR1221ICC500	09/23/2025	10:27	PP075252.D	8.81	3.80

Analytical Sequence

AR1232ICC500	AR1232ICC500	09/23/2025	10:43	PP075253.D	8.81	3.80
AR1242ICC1000	AR1242ICC1000	09/23/2025	11:00	PP075254.D	8.81	3.80
AR1242ICC750	AR1242ICC750	09/23/2025	11:16	PP075255.D	8.81	3.80
AR1242ICC500	AR1242ICC500	09/23/2025	11:32	PP075256.D	8.81	3.80
AR1242ICC250	AR1242ICC250	09/23/2025	11:48	PP075257.D	8.81	3.80
AR1242ICC050	AR1242ICC050	09/23/2025	12:05	PP075258.D	8.80	3.80
AR1248ICC1000	AR1248ICC1000	09/23/2025	12:37	PP075259.D	8.80	3.80
AR1248ICC750	AR1248ICC750	09/23/2025	12:53	PP075260.D	8.81	3.80
AR1248ICC500	AR1248ICC500	09/23/2025	13:10	PP075261.D	8.80	3.80
AR1248ICC250	AR1248ICC250	09/23/2025	13:26	PP075262.D	8.81	3.80
AR1248ICC050	AR1248ICC050	09/23/2025	13:42	PP075263.D	8.80	3.80
AR1254ICC1000	AR1254ICC1000	09/23/2025	14:15	PP075264.D	8.81	3.80
AR1254ICC750	AR1254ICC750	09/23/2025	14:31	PP075265.D	8.81	3.80
AR1254ICC500	AR1254ICC500	09/23/2025	14:47	PP075266.D	8.81	3.80
AR1254ICC250	AR1254ICC250	09/23/2025	15:04	PP075267.D	8.81	3.80
AR1254ICC050	AR1254ICC050	09/23/2025	15:20	PP075268.D	8.81	3.80
AR1262ICC500	AR1262ICC500	09/23/2025	15:52	PP075269.D	8.81	3.80
AR1268ICC1000	AR1268ICC1000	09/23/2025	16:09	PP075270.D	8.81	3.80
AR1268ICC750	AR1268ICC750	09/23/2025	16:25	PP075271.D	8.81	3.80
AR1268ICC500	AR1268ICC500	09/23/2025	16:41	PP075272.D	8.81	3.80
AR1268ICC250	AR1268ICC250	09/23/2025	16:58	PP075273.D	8.80	3.80
AR1268ICC050	AR1268ICC050	09/23/2025	17:14	PP075274.D	8.81	3.80
AR1660CCC500	AR1660CCC500	10/13/2025	09:52	PP075732.D	8.80	3.80
IBLK	IBLK	10/13/2025	11:14	PP075736.D	8.80	3.79
PB170064BL	PB170064BL	10/13/2025	12:39	PP075737.D	8.80	3.79
SED-01-0-2	Q3323-01	10/13/2025	13:29	PP075739.D	8.79	3.79
SED-02-0-2	Q3323-02	10/13/2025	13:45	PP075740.D	8.80	3.79
SED-03-0-2	Q3323-03	10/13/2025	14:01	PP075741.D	8.79	3.79
SED-04-0-2	Q3323-04	10/13/2025	14:17	PP075742.D	8.80	3.80
SED-05-0-2	Q3323-05	10/13/2025	14:33	PP075743.D	8.80	3.79
SED-06-0-2	Q3323-06	10/13/2025	14:50	PP075744.D	8.80	3.79
SED-07-0-2	Q3323-07	10/13/2025	15:06	PP075745.D	8.80	3.79
AR1660CCC500	AR1660CCC500	10/13/2025	16:27	PP075747.D	8.79	3.79
IBLK	IBLK	10/13/2025	17:48	PP075751.D	8.80	3.79
AR1660CCC500	AR1660CCC500	10/14/2025	09:20	PP075768.D	8.79	3.79
IBLK	IBLK	10/14/2025	10:33	PP075772.D	8.79	3.79
PB170064BS	PB170064BS	10/14/2025	11:06	PP075774.D	8.80	3.80
AR1660CCC500	AR1660CCC500	10/14/2025	13:32	PP075780.D	8.79	3.79
IBLK	IBLK	10/14/2025	14:37	PP075784.D	8.80	3.80