

Analytical Sequence

Client: CDM Smith

SDG No.: Q2458

Project: South River WM Replacement

Instrument ID: ECD_O

GC Column: ZB-MR1

ID: 0.32 (mm)

Inst. Calib. Date(s): 06/11/2025

06/11/2025

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 #
LBLK	LBLK	06/11/2025	10:21	PO111586.D	8.71	3.68
AR1660ICC1000	AR1660ICC1000	06/11/2025	10:40	PO111587.D	8.71	3.68
AR1660ICC750	AR1660ICC750	06/11/2025	10:58	PO111588.D	8.71	3.68
AR1660ICC500	AR1660ICC500	06/11/2025	11:17	PO111589.D	8.71	3.68
AR1660ICC250	AR1660ICC250	06/11/2025	11:35	PO111590.D	8.71	3.68
AR1660ICC050	AR1660ICC050	06/11/2025	11:53	PO111591.D	8.71	3.68
AR1221ICC500	AR1221ICC500	06/11/2025	12:12	PO111592.D	8.71	3.68
AR1232ICC500	AR1232ICC500	06/11/2025	12:30	PO111593.D	8.71	3.68
AR1242ICC1000	AR1242ICC1000	06/11/2025	12:48	PO111594.D	8.71	3.68
AR1242ICC750	AR1242ICC750	06/11/2025	13:07	PO111595.D	8.71	3.68
AR1242ICC500	AR1242ICC500	06/11/2025	13:25	PO111596.D	8.71	3.68
AR1242ICC250	AR1242ICC250	06/11/2025	13:44	PO111597.D	8.71	3.68
AR1242ICC050	AR1242ICC050	06/11/2025	14:02	PO111598.D	8.71	3.68
AR1248ICC1000	AR1248ICC1000	06/11/2025	14:20	PO111599.D	8.71	3.68
AR1248ICC750	AR1248ICC750	06/11/2025	14:39	PO111600.D	8.71	3.68
AR1248ICC500	AR1248ICC500	06/11/2025	15:14	PO111601.D	8.71	3.68
AR1248ICC250	AR1248ICC250	06/11/2025	15:32	PO111602.D	8.71	3.68
AR1248ICC050	AR1248ICC050	06/11/2025	15:49	PO111603.D	8.71	3.68
AR1254ICC1000	AR1254ICC1000	06/11/2025	16:06	PO111604.D	8.71	3.68
AR1254ICC750	AR1254ICC750	06/11/2025	16:25	PO111605.D	8.71	3.68
AR1254ICC500	AR1254ICC500	06/11/2025	16:43	PO111606.D	8.71	3.68
AR1254ICC250	AR1254ICC250	06/11/2025	17:00	PO111607.D	8.71	3.68
AR1254ICC050	AR1254ICC050	06/11/2025	17:18	PO111608.D	8.71	3.68
AR1262ICC500	AR1262ICC500	06/11/2025	17:36	PO111609.D	8.71	3.68
AR1268ICC1000	AR1268ICC1000	06/11/2025	17:55	PO111610.D	8.71	3.68
AR1268ICC750	AR1268ICC750	06/11/2025	18:13	PO111611.D	8.71	3.68
AR1268ICC500	AR1268ICC500	06/11/2025	18:31	PO111612.D	8.71	3.68
AR1268ICC250	AR1268ICC250	06/11/2025	18:50	PO111613.D	8.71	3.68
AR1268ICC050	AR1268ICC050	06/11/2025	19:07	PO111614.D	8.71	3.68
AR1660CCC500	AR1660CCC500	07/01/2025	14:42	PO111928.D	8.71	3.68
LBLK	LBLK	07/01/2025	16:10	PO111933.D	8.71	3.68
PB168671BL	PB168671BL	07/01/2025	16:27	PO111934.D	8.71	3.68
PB168671BS	PB168671BS	07/01/2025	16:45	PO111935.D	8.71	3.68
TP-76	Q2458-01	07/01/2025	17:02	PO111936.D	8.71	3.68
TP-55	Q2458-02	07/01/2025	17:19	PO111937.D	8.71	3.68
TP-55MS	Q2458-02MS	07/01/2025	17:37	PO111938.D	8.71	3.68
TP-55MSD	Q2458-02MSD	07/01/2025	17:54	PO111939.D	8.71	3.68
TP-68	Q2458-03	07/01/2025	18:12	PO111940.D	8.71	3.68
TP-67	Q2458-04	07/01/2025	18:29	PO111941.D	8.71	3.67
TP-66	Q2458-05	07/01/2025	18:47	PO111942.D	8.71	3.67
TP-60	Q2458-06	07/01/2025	19:04	PO111943.D	8.71	3.67
AR1660CCC500	AR1660CCC500	07/01/2025	20:10	PO111944.D	8.71	3.68

Analytical Sequence

I.BLK	I.BLK	07/01/2025	22:13	PO111949.D	8.71	3.68
TP-62	Q2458-07	07/01/2025	22:31	PO111950.D	8.71	3.68
TP-63	Q2458-08	07/01/2025	22:48	PO111951.D	8.71	3.68
AR1660CCC500	AR1660CCC500	07/02/2025	02:18	PO111960.D	8.71	3.68
I.BLK	I.BLK	07/02/2025	04:26	PO111965.D	8.71	3.68
AR1660CCC500	AR1660CCC500	07/02/2025	10:56	PO111967.D	8.71	3.68
I.BLK	I.BLK	07/02/2025	12:08	PO111971.D	8.71	3.67
TP-59	Q2458-09	07/02/2025	13:37	PO111976.D	8.71	3.67
AR1660CCC500	AR1660CCC500	07/02/2025	16:19	PO111981.D	8.71	3.68
I.BLK	I.BLK	07/02/2025	17:28	PO111985.D	8.71	3.67
PB168704BL	PB168704BL	07/02/2025	17:45	PO111986.D	8.71	3.67
PB168704BS	PB168704BS	07/02/2025	18:03	PO111987.D	8.71	3.68
PB168704BSD	PB168704BSD	07/02/2025	18:20	PO111988.D	8.70	3.67
AR1660CCC500	AR1660CCC500	07/02/2025	21:16	PO111995.D	8.71	3.67
I.BLK	I.BLK	07/02/2025	23:05	PO111999.D	8.71	3.68
I.BLK	I.BLK	07/01/2025	13:46	PP073412.D	10.18	4.49
AR1660ICC1000	AR1660ICC1000	07/01/2025	14:04	PP073413.D	10.19	4.50
AR1660ICC750	AR1660ICC750	07/01/2025	14:21	PP073414.D	10.18	4.49
AR1660ICC500	AR1660ICC500	07/01/2025	14:37	PP073415.D	10.19	4.49
AR1660ICC250	AR1660ICC250	07/01/2025	14:54	PP073416.D	10.18	4.49
AR1660ICC050	AR1660ICC050	07/01/2025	15:10	PP073417.D	10.18	4.49
AR1221ICC500	AR1221ICC500	07/01/2025	15:26	PP073418.D	10.18	4.49
AR1232ICC500	AR1232ICC500	07/01/2025	15:43	PP073419.D	10.18	4.49
AR1242ICC1000	AR1242ICC1000	07/01/2025	15:59	PP073420.D	10.19	4.49
AR1242ICC750	AR1242ICC750	07/01/2025	16:16	PP073421.D	10.18	4.49
AR1242ICC500	AR1242ICC500	07/01/2025	16:33	PP073422.D	10.19	4.49
AR1242ICC250	AR1242ICC250	07/01/2025	16:49	PP073423.D	10.18	4.49
AR1242ICC050	AR1242ICC050	07/01/2025	17:05	PP073424.D	10.19	4.49
AR1248ICC1000	AR1248ICC1000	07/01/2025	17:22	PP073425.D	10.18	4.49
AR1248ICC750	AR1248ICC750	07/01/2025	17:39	PP073426.D	10.18	4.49
AR1248ICC500	AR1248ICC500	07/01/2025	17:55	PP073427.D	10.18	4.49
AR1248ICC250	AR1248ICC250	07/01/2025	18:12	PP073428.D	10.19	4.49
AR1248ICC050	AR1248ICC050	07/01/2025	18:28	PP073429.D	10.18	4.49
AR1254ICC1000	AR1254ICC1000	07/01/2025	18:45	PP073430.D	10.18	4.49
AR1254ICC750	AR1254ICC750	07/01/2025	19:01	PP073431.D	10.18	4.49
AR1254ICC500	AR1254ICC500	07/01/2025	19:18	PP073432.D	10.18	4.49
AR1254ICC250	AR1254ICC250	07/01/2025	19:35	PP073433.D	10.18	4.49
AR1254ICC050	AR1254ICC050	07/01/2025	19:51	PP073434.D	10.18	4.49
AR1262ICC500	AR1262ICC500	07/01/2025	20:08	PP073435.D	10.18	4.49
AR1268ICC1000	AR1268ICC1000	07/01/2025	20:24	PP073436.D	10.18	4.49
AR1268ICC750	AR1268ICC750	07/01/2025	20:41	PP073437.D	10.18	4.49
AR1268ICC500	AR1268ICC500	07/01/2025	20:57	PP073438.D	10.18	4.49
AR1268ICC250	AR1268ICC250	07/01/2025	21:14	PP073439.D	10.18	4.49
AR1268ICC050	AR1268ICC050	07/01/2025	21:30	PP073440.D	10.18	4.49
AR1660CCC500	AR1660CCC500	07/02/2025	18:47	PP073463.D	10.18	4.49
I.BLK	I.BLK	07/02/2025	19:53	PP073467.D	10.18	4.49
FB-06272025	Q2458-10	07/02/2025	21:47	PP073474.D	10.18	4.49
AR1660CCC500	AR1660CCC500	07/02/2025	23:58	PP073478.D	10.18	4.49
I.BLK	I.BLK	07/03/2025	01:04	PP073482.D	10.18	4.49

Analytical Sequence

Client: CDM Smith

SDG No.: Q2458

Project: South River WM Replacement

Instrument ID: ECD_O

GC Column: ZB-MR2

ID: 0.32 (mm)

Inst. Calib. Date(s): 06/11/2025 06/11/2025

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 #
1.BLK	1.BLK	06/11/2025	10:21	PO111586.D	8.66	3.67
AR1660ICC1000	AR1660ICC1000	06/11/2025	10:40	PO111587.D	8.66	3.67
AR1660ICC750	AR1660ICC750	06/11/2025	10:58	PO111588.D	8.66	3.67
AR1660ICC500	AR1660ICC500	06/11/2025	11:17	PO111589.D	8.66	3.67
AR1660ICC250	AR1660ICC250	06/11/2025	11:35	PO111590.D	8.66	3.67
AR1660ICC050	AR1660ICC050	06/11/2025	11:53	PO111591.D	8.66	3.67
AR1221ICC500	AR1221ICC500	06/11/2025	12:12	PO111592.D	8.66	3.67
AR1232ICC500	AR1232ICC500	06/11/2025	12:30	PO111593.D	8.66	3.67
AR1242ICC1000	AR1242ICC1000	06/11/2025	12:48	PO111594.D	8.66	3.67
AR1242ICC750	AR1242ICC750	06/11/2025	13:07	PO111595.D	8.66	3.67
AR1242ICC500	AR1242ICC500	06/11/2025	13:25	PO111596.D	8.66	3.67
AR1242ICC250	AR1242ICC250	06/11/2025	13:44	PO111597.D	8.66	3.67
AR1242ICC050	AR1242ICC050	06/11/2025	14:02	PO111598.D	8.66	3.67
AR1248ICC1000	AR1248ICC1000	06/11/2025	14:20	PO111599.D	8.66	3.67
AR1248ICC750	AR1248ICC750	06/11/2025	14:39	PO111600.D	8.66	3.67
AR1248ICC500	AR1248ICC500	06/11/2025	15:14	PO111601.D	8.66	3.67
AR1248ICC250	AR1248ICC250	06/11/2025	15:32	PO111602.D	8.66	3.67
AR1248ICC050	AR1248ICC050	06/11/2025	15:49	PO111603.D	8.66	3.67
AR1254ICC1000	AR1254ICC1000	06/11/2025	16:06	PO111604.D	8.66	3.67
AR1254ICC750	AR1254ICC750	06/11/2025	16:25	PO111605.D	8.66	3.67
AR1254ICC500	AR1254ICC500	06/11/2025	16:43	PO111606.D	8.66	3.67
AR1254ICC250	AR1254ICC250	06/11/2025	17:00	PO111607.D	8.66	3.67
AR1254ICC050	AR1254ICC050	06/11/2025	17:18	PO111608.D	8.66	3.67
AR1262ICC500	AR1262ICC500	06/11/2025	17:36	PO111609.D	8.66	3.67
AR1268ICC1000	AR1268ICC1000	06/11/2025	17:55	PO111610.D	8.66	3.67
AR1268ICC750	AR1268ICC750	06/11/2025	18:13	PO111611.D	8.66	3.67
AR1268ICC500	AR1268ICC500	06/11/2025	18:31	PO111612.D	8.66	3.67
AR1268ICC250	AR1268ICC250	06/11/2025	18:50	PO111613.D	8.66	3.67
AR1268ICC050	AR1268ICC050	06/11/2025	19:07	PO111614.D	8.66	3.67
AR1660CCC500	AR1660CCC500	07/01/2025	14:42	PO111928.D	8.66	3.67
1.BLK	1.BLK	07/01/2025	16:10	PO111933.D	8.66	3.67
PB168671BL	PB168671BL	07/01/2025	16:27	PO111934.D	8.66	3.67
PB168671BS	PB168671BS	07/01/2025	16:45	PO111935.D	8.66	3.67
TP-76	Q2458-01	07/01/2025	17:02	PO111936.D	8.66	3.67
TP-55	Q2458-02	07/01/2025	17:19	PO111937.D	8.66	3.67
TP-55MS	Q2458-02MS	07/01/2025	17:37	PO111938.D	8.66	3.67
TP-55MSD	Q2458-02MSD	07/01/2025	17:54	PO111939.D	8.66	3.67
TP-68	Q2458-03	07/01/2025	18:12	PO111940.D	8.66	3.67
TP-67	Q2458-04	07/01/2025	18:29	PO111941.D	8.66	3.67
TP-66	Q2458-05	07/01/2025	18:47	PO111942.D	8.66	3.67
TP-60	Q2458-06	07/01/2025	19:04	PO111943.D	8.66	3.67
AR1660CCC500	AR1660CCC500	07/01/2025	20:10	PO111944.D	8.66	3.67

Analytical Sequence

I.BLK	I.BLK	07/01/2025	22:13	PO111949.D	8.66	3.67
TP-62	Q2458-07	07/01/2025	22:31	PO111950.D	8.66	3.67
TP-63	Q2458-08	07/01/2025	22:48	PO111951.D	8.66	3.67
AR1660CCC500	AR1660CCC500	07/02/2025	02:18	PO111960.D	8.66	3.67
I.BLK	I.BLK	07/02/2025	04:26	PO111965.D	8.66	3.67
AR1660CCC500	AR1660CCC500	07/02/2025	10:56	PO111967.D	8.66	3.67
I.BLK	I.BLK	07/02/2025	12:08	PO111971.D	8.66	3.67
TP-59	Q2458-09	07/02/2025	13:37	PO111976.D	8.66	3.67
AR1660CCC500	AR1660CCC500	07/02/2025	16:19	PO111981.D	8.66	3.67
I.BLK	I.BLK	07/02/2025	17:28	PO111985.D	8.66	3.67
PB168704BL	PB168704BL	07/02/2025	17:45	PO111986.D	8.66	3.67
PB168704BS	PB168704BS	07/02/2025	18:03	PO111987.D	8.66	3.67
PB168704BSD	PB168704BSD	07/02/2025	18:20	PO111988.D	8.66	3.67
AR1660CCC500	AR1660CCC500	07/02/2025	21:16	PO111995.D	8.66	3.67
I.BLK	I.BLK	07/02/2025	23:05	PO111999.D	8.66	3.67
I.BLK	I.BLK	07/01/2025	13:46	PP073412.D	8.79	3.78
AR1660ICC1000	AR1660ICC1000	07/01/2025	14:04	PP073413.D	8.79	3.79
AR1660ICC750	AR1660ICC750	07/01/2025	14:21	PP073414.D	8.79	3.79
AR1660ICC500	AR1660ICC500	07/01/2025	14:37	PP073415.D	8.79	3.79
AR1660ICC250	AR1660ICC250	07/01/2025	14:54	PP073416.D	8.79	3.78
AR1660ICC050	AR1660ICC050	07/01/2025	15:10	PP073417.D	8.79	3.78
AR1221ICC500	AR1221ICC500	07/01/2025	15:26	PP073418.D	8.79	3.78
AR1232ICC500	AR1232ICC500	07/01/2025	15:43	PP073419.D	8.79	3.78
AR1242ICC1000	AR1242ICC1000	07/01/2025	15:59	PP073420.D	8.79	3.79
AR1242ICC750	AR1242ICC750	07/01/2025	16:16	PP073421.D	8.79	3.79
AR1242ICC500	AR1242ICC500	07/01/2025	16:33	PP073422.D	8.79	3.79
AR1242ICC250	AR1242ICC250	07/01/2025	16:49	PP073423.D	8.79	3.78
AR1242ICC050	AR1242ICC050	07/01/2025	17:05	PP073424.D	8.79	3.78
AR1248ICC1000	AR1248ICC1000	07/01/2025	17:22	PP073425.D	8.79	3.78
AR1248ICC750	AR1248ICC750	07/01/2025	17:39	PP073426.D	8.79	3.79
AR1248ICC500	AR1248ICC500	07/01/2025	17:55	PP073427.D	8.79	3.79
AR1248ICC250	AR1248ICC250	07/01/2025	18:12	PP073428.D	8.79	3.78
AR1248ICC050	AR1248ICC050	07/01/2025	18:28	PP073429.D	8.79	3.78
AR1254ICC1000	AR1254ICC1000	07/01/2025	18:45	PP073430.D	8.79	3.78
AR1254ICC750	AR1254ICC750	07/01/2025	19:01	PP073431.D	8.79	3.78
AR1254ICC500	AR1254ICC500	07/01/2025	19:18	PP073432.D	8.79	3.78
AR1254ICC250	AR1254ICC250	07/01/2025	19:35	PP073433.D	8.79	3.78
AR1254ICC050	AR1254ICC050	07/01/2025	19:51	PP073434.D	8.79	3.78
AR1262ICC500	AR1262ICC500	07/01/2025	20:08	PP073435.D	8.79	3.78
AR1268ICC1000	AR1268ICC1000	07/01/2025	20:24	PP073436.D	8.79	3.78
AR1268ICC750	AR1268ICC750	07/01/2025	20:41	PP073437.D	8.79	3.78
AR1268ICC500	AR1268ICC500	07/01/2025	20:57	PP073438.D	8.79	3.78
AR1268ICC250	AR1268ICC250	07/01/2025	21:14	PP073439.D	8.79	3.78
AR1268ICC050	AR1268ICC050	07/01/2025	21:30	PP073440.D	8.79	3.78
AR1660CCC500	AR1660CCC500	07/02/2025	18:47	PP073463.D	8.79	3.78
I.BLK	I.BLK	07/02/2025	19:53	PP073467.D	8.79	3.78
FB-06272025	Q2458-10	07/02/2025	21:47	PP073474.D	8.79	3.78
AR1660CCC500	AR1660CCC500	07/02/2025	23:58	PP073478.D	8.79	3.78
I.BLK	I.BLK	07/03/2025	01:04	PP073482.D	8.79	3.78