

Analytical Sequence

Client: CDM Smith

SDG No.: Q2176

Project: South River WM Replacement

Instrument ID: ECD_O

GC Column: ZB-MR1

ID: 0.32 (mm)

Inst. Calib. Date(s): 05/14/2025

05/14/2025

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	05/14/2025	17:01	PO111057.D	8.72	3.68
AR1660ICC1000	AR1660ICC1000	05/14/2025	17:19	PO111058.D	8.73	3.68
AR1660ICC750	AR1660ICC750	05/14/2025	17:38	PO111059.D	8.73	3.68
AR1660ICC500	AR1660ICC500	05/14/2025	17:56	PO111060.D	8.72	3.68
AR1660ICC250	AR1660ICC250	05/14/2025	18:15	PO111061.D	8.72	3.68
AR1660ICC050	AR1660ICC050	05/14/2025	18:33	PO111062.D	8.72	3.68
AR1221ICC500	AR1221ICC500	05/14/2025	18:51	PO111063.D	8.72	3.68
AR1232ICC500	AR1232ICC500	05/14/2025	19:10	PO111064.D	8.72	3.68
AR1242ICC1000	AR1242ICC1000	05/14/2025	19:28	PO111065.D	8.72	3.68
AR1242ICC750	AR1242ICC750	05/14/2025	19:46	PO111066.D	8.72	3.68
AR1242ICC500	AR1242ICC500	05/14/2025	20:05	PO111067.D	8.73	3.68
AR1242ICC250	AR1242ICC250	05/14/2025	20:23	PO111068.D	8.72	3.68
AR1242ICC050	AR1242ICC050	05/14/2025	20:41	PO111069.D	8.72	3.68
AR1248ICC1000	AR1248ICC1000	05/14/2025	21:00	PO111070.D	8.72	3.68
AR1248ICC750	AR1248ICC750	05/14/2025	21:18	PO111071.D	8.72	3.68
AR1248ICC500	AR1248ICC500	05/14/2025	21:37	PO111072.D	8.72	3.68
AR1248ICC250	AR1248ICC250	05/14/2025	21:54	PO111073.D	8.72	3.68
AR1248ICC050	AR1248ICC050	05/14/2025	22:12	PO111074.D	8.72	3.68
AR1254ICC1000	AR1254ICC1000	05/14/2025	22:31	PO111075.D	8.73	3.68
AR1254ICC750	AR1254ICC750	05/14/2025	22:49	PO111076.D	8.73	3.68
AR1254ICC500	AR1254ICC500	05/14/2025	23:06	PO111077.D	8.72	3.68
AR1254ICC250	AR1254ICC250	05/14/2025	23:25	PO111078.D	8.72	3.68
AR1254ICC050	AR1254ICC050	05/14/2025	23:43	PO111079.D	8.72	3.68
AR1262ICC500	AR1262ICC500	05/15/2025	00:01	PO111080.D	8.73	3.68
AR1268ICC1000	AR1268ICC1000	05/15/2025	00:19	PO111081.D	8.72	3.68
AR1268ICC750	AR1268ICC750	05/15/2025	00:37	PO111082.D	8.72	3.68
AR1268ICC500	AR1268ICC500	05/15/2025	00:56	PO111083.D	8.73	3.68
AR1268ICC250	AR1268ICC250	05/15/2025	01:14	PO111084.D	8.72	3.68
AR1268ICC050	AR1268ICC050	05/15/2025	01:31	PO111085.D	8.72	3.68
AR1660CCC500	AR1660CCC500	06/04/2025	08:57	PO111453.D	8.72	3.68
IBLK	IBLK	06/04/2025	10:13	PO111457.D	8.72	3.68
TP-46	Q2176-01	06/04/2025	10:49	PO111459.D	8.72	3.68
TP-56	Q2176-02	06/04/2025	11:08	PO111460.D	8.72	3.68
TP-25	Q2176-03	06/04/2025	11:26	PO111461.D	8.72	3.68
AR1660CCC500	AR1660CCC500	06/04/2025	15:23	PO111468.D	8.72	3.68
IBLK	IBLK	06/04/2025	16:35	PO111472.D	8.71	3.68
IBLK	IBLK	05/19/2025	09:26	PP072163.D	10.21	4.50
AR1660ICC1000	AR1660ICC1000	05/19/2025	09:42	PP072164.D	10.21	4.50
AR1660ICC750	AR1660ICC750	05/19/2025	09:59	PP072165.D	10.21	4.50
AR1660ICC500	AR1660ICC500	05/19/2025	10:15	PP072166.D	10.21	4.50
AR1660ICC250	AR1660ICC250	05/19/2025	10:32	PP072167.D	10.21	4.50
AR1660ICC050	AR1660ICC050	05/19/2025	10:48	PP072168.D	10.21	4.50

Analytical Sequence

AR1221ICC500	AR1221ICC500	05/19/2025	11:05	PP072169.D	10.21	4.50
AR12321ICC1000	AR12321ICC1000	05/19/2025	11:21	PP072170.D	10.21	4.50
AR12321ICC750	AR12321ICC750	05/19/2025	11:38	PP072171.D	10.22	4.50
AR12321ICC500	AR12321ICC500	05/19/2025	11:54	PP072172.D	10.21	4.50
AR12321ICC250	AR12321ICC250	05/19/2025	12:10	PP072173.D	10.22	4.50
AR12321ICC050	AR12321ICC050	05/19/2025	12:27	PP072174.D	10.21	4.50
AR12421ICC1000	AR12421ICC1000	05/19/2025	12:43	PP072175.D	10.22	4.50
AR12421ICC750	AR12421ICC750	05/19/2025	12:59	PP072176.D	10.22	4.50
AR12421ICC500	AR12421ICC500	05/19/2025	13:15	PP072177.D	10.22	4.51
AR12421ICC250	AR12421ICC250	05/19/2025	13:32	PP072178.D	10.21	4.50
AR12421ICC050	AR12421ICC050	05/19/2025	13:48	PP072179.D	10.22	4.50
AR12481ICC1000	AR12481ICC1000	05/19/2025	14:04	PP072180.D	10.22	4.51
AR12481ICC750	AR12481ICC750	05/19/2025	14:20	PP072181.D	10.21	4.50
AR12481ICC500	AR12481ICC500	05/19/2025	14:37	PP072182.D	10.22	4.50
AR12481ICC250	AR12481ICC250	05/19/2025	14:53	PP072183.D	10.22	4.50
AR12481ICC050	AR12481ICC050	05/19/2025	15:25	PP072184.D	10.21	4.50
AR12541ICC1000	AR12541ICC1000	05/19/2025	15:42	PP072185.D	10.22	4.50
AR12541ICC750	AR12541ICC750	05/19/2025	15:58	PP072186.D	10.22	4.50
AR12541ICC500	AR12541ICC500	05/19/2025	16:14	PP072187.D	10.22	4.50
AR12541ICC250	AR12541ICC250	05/19/2025	16:31	PP072188.D	10.22	4.50
AR12541ICC050	AR12541ICC050	05/19/2025	16:47	PP072189.D	10.22	4.50
AR12621ICC500	AR12621ICC500	05/19/2025	17:03	PP072190.D	10.22	4.50
AR12681ICC1000	AR12681ICC1000	05/19/2025	17:20	PP072191.D	10.22	4.50
AR12681ICC750	AR12681ICC750	05/19/2025	17:36	PP072192.D	10.22	4.51
AR12681ICC500	AR12681ICC500	05/19/2025	17:53	PP072193.D	10.22	4.50
AR12681ICC250	AR12681ICC250	05/19/2025	18:09	PP072194.D	10.21	4.50
AR12681ICC050	AR12681ICC050	05/19/2025	18:25	PP072195.D	10.22	4.50
AR1660CCC500	AR1660CCC500	06/03/2025	10:22	PP072553.D	10.20	4.50
I.BLK	I.BLK	06/03/2025	11:27	PP072557.D	10.19	4.50
PB168252BL	PB168252BL	06/03/2025	13:28	PP072558.D	10.20	4.50
TP-26	Q2176-04	06/03/2025	15:54	PP072567.D	10.20	4.50
AR1660CCC500	AR1660CCC500	06/03/2025	16:59	PP072568.D	10.20	4.50
I.BLK	I.BLK	06/03/2025	18:21	PP072572.D	10.20	4.50
TP-28	Q2176-05	06/03/2025	18:37	PP072573.D	10.20	4.50
TP-28MS	Q2176-05MS	06/03/2025	18:53	PP072574.D	10.20	4.50
TP-28MSD	Q2176-05MSD	06/03/2025	19:10	PP072575.D	10.20	4.50
TP-27	Q2176-06	06/03/2025	19:26	PP072576.D	10.19	4.50
TP-31	Q2176-07	06/03/2025	19:42	PP072577.D	10.20	4.50
TP-65	Q2176-08	06/03/2025	19:59	PP072578.D	10.20	4.50
AR1660CCC500	AR1660CCC500	06/03/2025	22:25	PP072583.D	10.20	4.50
I.BLK	I.BLK	06/03/2025	23:47	PP072587.D	10.19	4.50
AR1660CCC500	AR1660CCC500	06/04/2025	08:50	PP072604.D	10.19	4.50
I.BLK	I.BLK	06/04/2025	10:00	PP072608.D	10.20	4.50
PB168252BS	PB168252BS	06/04/2025	11:37	PP072614.D	10.20	4.50
AR1660CCC500	AR1660CCC500	06/04/2025	14:51	PP072619.D	10.20	4.50
I.BLK	I.BLK	06/04/2025	15:56	PP072623.D	10.20	4.50

Analytical Sequence

Client: CDM Smith

SDG No.: Q2176

Project: South River WM Replacement

Instrument ID: ECD_O

GC Column: ZB-MR2

ID: 0.32 (mm)

Inst. Calib. Date(s): 05/14/2025

05/14/2025

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	05/14/2025	17:01	PO111057.D	8.67	3.68
AR1660ICC1000	AR1660ICC1000	05/14/2025	17:19	PO111058.D	8.67	3.68
AR1660ICC750	AR1660ICC750	05/14/2025	17:38	PO111059.D	8.67	3.68
AR1660ICC500	AR1660ICC500	05/14/2025	17:56	PO111060.D	8.67	3.68
AR1660ICC250	AR1660ICC250	05/14/2025	18:15	PO111061.D	8.68	3.68
AR1660ICC050	AR1660ICC050	05/14/2025	18:33	PO111062.D	8.67	3.68
AR1221ICC500	AR1221ICC500	05/14/2025	18:51	PO111063.D	8.67	3.68
AR1232ICC500	AR1232ICC500	05/14/2025	19:10	PO111064.D	8.68	3.68
AR1242ICC1000	AR1242ICC1000	05/14/2025	19:28	PO111065.D	8.67	3.68
AR1242ICC750	AR1242ICC750	05/14/2025	19:46	PO111066.D	8.67	3.68
AR1242ICC500	AR1242ICC500	05/14/2025	20:05	PO111067.D	8.67	3.68
AR1242ICC250	AR1242ICC250	05/14/2025	20:23	PO111068.D	8.67	3.68
AR1242ICC050	AR1242ICC050	05/14/2025	20:41	PO111069.D	8.67	3.68
AR1248ICC1000	AR1248ICC1000	05/14/2025	21:00	PO111070.D	8.67	3.68
AR1248ICC750	AR1248ICC750	05/14/2025	21:18	PO111071.D	8.67	3.68
AR1248ICC500	AR1248ICC500	05/14/2025	21:37	PO111072.D	8.68	3.68
AR1248ICC250	AR1248ICC250	05/14/2025	21:54	PO111073.D	8.69	3.69
AR1248ICC050	AR1248ICC050	05/14/2025	22:12	PO111074.D	8.67	3.68
AR1254ICC1000	AR1254ICC1000	05/14/2025	22:31	PO111075.D	8.67	3.68
AR1254ICC750	AR1254ICC750	05/14/2025	22:49	PO111076.D	8.67	3.68
AR1254ICC500	AR1254ICC500	05/14/2025	23:06	PO111077.D	8.67	3.68
AR1254ICC250	AR1254ICC250	05/14/2025	23:25	PO111078.D	8.67	3.68
AR1254ICC050	AR1254ICC050	05/14/2025	23:43	PO111079.D	8.67	3.68
AR1262ICC500	AR1262ICC500	05/15/2025	00:01	PO111080.D	8.67	3.68
AR1268ICC1000	AR1268ICC1000	05/15/2025	00:19	PO111081.D	8.67	3.68
AR1268ICC750	AR1268ICC750	05/15/2025	00:37	PO111082.D	8.67	3.68
AR1268ICC500	AR1268ICC500	05/15/2025	00:56	PO111083.D	8.67	3.68
AR1268ICC250	AR1268ICC250	05/15/2025	01:14	PO111084.D	8.67	3.68
AR1268ICC050	AR1268ICC050	05/15/2025	01:31	PO111085.D	8.67	3.68
AR1660CCC500	AR1660CCC500	06/04/2025	08:57	PO111453.D	8.67	3.68
IBLK	IBLK	06/04/2025	10:13	PO111457.D	8.67	3.68
TP-46	Q2176-01	06/04/2025	10:49	PO111459.D	8.66	3.68
TP-56	Q2176-02	06/04/2025	11:08	PO111460.D	8.66	3.68
TP-25	Q2176-03	06/04/2025	11:26	PO111461.D	8.66	3.68
AR1660CCC500	AR1660CCC500	06/04/2025	15:23	PO111468.D	8.67	3.68
IBLK	IBLK	06/04/2025	16:35	PO111472.D	8.66	3.68
IBLK	IBLK	05/19/2025	09:26	PP072163.D	8.82	3.79
AR1660ICC1000	AR1660ICC1000	05/19/2025	09:42	PP072164.D	8.82	3.79
AR1660ICC750	AR1660ICC750	05/19/2025	09:59	PP072165.D	8.82	3.79
AR1660ICC500	AR1660ICC500	05/19/2025	10:15	PP072166.D	8.82	3.79
AR1660ICC250	AR1660ICC250	05/19/2025	10:32	PP072167.D	8.82	3.79
AR1660ICC050	AR1660ICC050	05/19/2025	10:48	PP072168.D	8.82	3.79

Analytical Sequence

AR1221ICC500	AR1221ICC500	05/19/2025	11:05	PP072169.D	8.82	3.79
AR12321ICC1000	AR12321ICC1000	05/19/2025	11:21	PP072170.D	8.82	3.80
AR12321ICC750	AR12321ICC750	05/19/2025	11:38	PP072171.D	8.82	3.80
AR12321ICC500	AR12321ICC500	05/19/2025	11:54	PP072172.D	8.82	3.80
AR12321ICC250	AR12321ICC250	05/19/2025	12:10	PP072173.D	8.82	3.80
AR12321ICC050	AR12321ICC050	05/19/2025	12:27	PP072174.D	8.82	3.80
AR12421ICC1000	AR12421ICC1000	05/19/2025	12:43	PP072175.D	8.83	3.80
AR12421ICC750	AR12421ICC750	05/19/2025	12:59	PP072176.D	8.83	3.80
AR12421ICC500	AR12421ICC500	05/19/2025	13:15	PP072177.D	8.83	3.80
AR12421ICC250	AR12421ICC250	05/19/2025	13:32	PP072178.D	8.83	3.80
AR12421ICC050	AR12421ICC050	05/19/2025	13:48	PP072179.D	8.82	3.80
AR12481ICC1000	AR12481ICC1000	05/19/2025	14:04	PP072180.D	8.83	3.80
AR12481ICC750	AR12481ICC750	05/19/2025	14:20	PP072181.D	8.83	3.80
AR12481ICC500	AR12481ICC500	05/19/2025	14:37	PP072182.D	8.83	3.80
AR12481ICC250	AR12481ICC250	05/19/2025	14:53	PP072183.D	8.83	3.80
AR12481ICC050	AR12481ICC050	05/19/2025	15:25	PP072184.D	8.82	3.80
AR12541ICC1000	AR12541ICC1000	05/19/2025	15:42	PP072185.D	8.83	3.80
AR12541ICC750	AR12541ICC750	05/19/2025	15:58	PP072186.D	8.83	3.80
AR12541ICC500	AR12541ICC500	05/19/2025	16:14	PP072187.D	8.83	3.80
AR12541ICC250	AR12541ICC250	05/19/2025	16:31	PP072188.D	8.83	3.80
AR12541ICC050	AR12541ICC050	05/19/2025	16:47	PP072189.D	8.83	3.80
AR12621ICC500	AR12621ICC500	05/19/2025	17:03	PP072190.D	8.83	3.80
AR12681ICC1000	AR12681ICC1000	05/19/2025	17:20	PP072191.D	8.83	3.80
AR12681ICC750	AR12681ICC750	05/19/2025	17:36	PP072192.D	8.83	3.80
AR12681ICC500	AR12681ICC500	05/19/2025	17:53	PP072193.D	8.83	3.80
AR12681ICC250	AR12681ICC250	05/19/2025	18:09	PP072194.D	8.82	3.80
AR12681ICC050	AR12681ICC050	05/19/2025	18:25	PP072195.D	8.82	3.80
AR1660CCC500	AR1660CCC500	06/03/2025	10:22	PP072553.D	8.81	3.79
I.BLK	I.BLK	06/03/2025	11:27	PP072557.D	8.81	3.79
PB168252BL	PB168252BL	06/03/2025	13:28	PP072558.D	8.81	3.79
TP-26	Q2176-04	06/03/2025	15:54	PP072567.D	8.81	3.79
AR1660CCC500	AR1660CCC500	06/03/2025	16:59	PP072568.D	8.81	3.80
I.BLK	I.BLK	06/03/2025	18:21	PP072572.D	8.81	3.80
TP-28	Q2176-05	06/03/2025	18:37	PP072573.D	8.81	3.80
TP-28MS	Q2176-05MS	06/03/2025	18:53	PP072574.D	8.81	3.80
TP-28MSD	Q2176-05MSD	06/03/2025	19:10	PP072575.D	8.81	3.79
TP-27	Q2176-06	06/03/2025	19:26	PP072576.D	8.81	3.79
TP-31	Q2176-07	06/03/2025	19:42	PP072577.D	8.81	3.80
TP-65	Q2176-08	06/03/2025	19:59	PP072578.D	8.81	3.80
AR1660CCC500	AR1660CCC500	06/03/2025	22:25	PP072583.D	8.81	3.79
I.BLK	I.BLK	06/03/2025	23:47	PP072587.D	8.81	3.79
AR1660CCC500	AR1660CCC500	06/04/2025	08:50	PP072604.D	8.81	3.79
I.BLK	I.BLK	06/04/2025	10:00	PP072608.D	8.81	3.79
PB168252BS	PB168252BS	06/04/2025	11:37	PP072614.D	8.81	3.79
AR1660CCC500	AR1660CCC500	06/04/2025	14:51	PP072619.D	8.81	3.80
I.BLK	I.BLK	06/04/2025	15:56	PP072623.D	8.81	3.80