volg #	sample code	Block	postion	COV19S1 (73) 400	8000	GMC	CV%
1	4722000110	1	A3	10.14	12.54	11.28	15
2	4711000111	1	B3	4.9	5.72	5.29	11
3	4711000112	1	C3	3.1	3.14	3.12	1
4	4722000113	1	D3	33.7	38.29	35.92	9
5	4722000114	1	E3	11.93	13.4	12.64	8
6	4722000116	1	F3	1.37		1.37	#DIV/0!
7	4722000118	1	G3	0.38		0.38	#DIV/0!
8	4722000121	1	H3	16.46	20.58	18.41	16
9	4722000122	1	A4	3.81	4.84	4.29	17
10	4722000123	1	B4	3.2	3.52	3.36	7
11	4722000127	1	C4	0.51		0.51	#DIV/0!
12	4722000130	1	D4	0.58		0.58	#DIV/0!
13	4722000131	1	E4	0.39		0.39	#DIV/0!
14	4722000214	1	F4	15.68	17.36	16.50	7
15	4722000215	1	G4	5.93	6.7	6.30	9
16	4722000216	1	H4	3.65	3.89	3.77	5
17	4722000217	1	A5	5.45	6.74	6.06	15
18	4722000218	1	B5	150.4	154.7	152.53	2
19	4722000219	1	C5	4.01	5.02	4.49	16
20	4722000220	1	D5	39.09	39.12	39.10	0
21	4722000221	1	E5	23.7	29.08	26.25	14
22	4722000222	1	F5	8.54	8.78	8.66	2
23	4722000223	1	G5	11.37	14.11	12.67	15
24	4722000224	1	H5	11.19	11.51	11.35	2
25	4722000225	1	A6	20.25	21.76	20.99	5
26	4722000226	1	B6	7.28	11.19	9.03	30
27	4722000480	1	C6	47.34	51.71	49.48	6
28	4722000481	1	D6	2.28	2.14	2.21	4
29	4722000482	1	E6	19.25	19.4	19.32	1
30	4722000483	1	F6	6.12	7.79	6.90	17
31	4722000484	1	G6	40.58	33.23	36.72	14
32	4722000485	1	H6	22.25	25.6	23.87	10
33	4722000486	1	A7	28.87	28.66	28.76	1
34	4722000487	1	B7	6.35	8.24	7.23	18
35	4722000488	1	C7	0.92		0.92	#DIV/0!
36	4722000489	1	D7	5.72	7.46	6.53	19
37	4722000490	1	E7	5.12	5.24	5.18	2
38	4722000491	1	F7	18.3	17.13	17.71	5
39	4722000492	1	G7	9.13	8.61	8.87	4
40	4722000493	1	H7	18.3	18.59	18.44	1
41	4722000494	1	A8	7.26	8.65	7.92	12
42	4722000495	1	B8	3.49	4.08	3.77	11
43	4722000496	1	C8	1.8		1.80	#DIV/0!
44	4722000497	1	D8	0.33		0.33	#DIV/0!
45	4722000498	1	E8	9.69	8.69	9.18	8
46	4722000055	1	F8	233.6	213.15	223.14	6

47	4722000250	1	G8	3.66	3.8	3.73	3
48	4722000251	1	H8	25.17	33.38	28.99	20
49	4722000252	1	A9	64.8	72.97	68.76	8
50	4722000256	1	B9	3.92	5.72	4.74	26
51	4722000257	1	C9	7.4	11.75	9.32	32
52	4722000258	1	D9	10.74	17.09	13.55	32
53	4722000259	1	E9	12.62	21.69	16.54	37
54	4722000263	1	F9	4.08	8.2	5.78	47
55	4722000265	1	G9		835.64	835.64	#DIV/0!
56	4722000267	1	H9	222.94	263.04	242.16	12
57	4722000270	1	A10		425.1	425.10	#DIV/0!
58	4722000273	1	B10		1762.27	1762.27	#DIV/0!
59	4722000274	1	C10	26.73	24.95	25.82	5
60	4722000276	1	D10		432.76	432.76	#DIV/0!
61	4722000277	1	E10		351.66	351.66	#DIV/0!
62	4722000278	1	F10	1.72	1.38	1.54	16
63	4722000279	1	G10	190.61	215.7	202.77	9
64	4722000281	1	H10	118.56	118.62	118.59	0
65	4722000283	1	A11	225.61	176.95	199.80	17
66	4722000284	1	B11		302.72	302.72	#DIV/0!
67	4722000286	1	C11	124	96.71	109.51	17
68	4722000287	1	D11	202.55	201.45	202.00	0
69	4722000288	1	E11		231.27	231.27	#DIV/0!
70	4722000291	1	F11		822.99	822.99	#DIV/0!
71	4722000293	1	G11		309.98	309.98	#DIV/0!
72	4722000294	1	H11	0.11		0.11	#DIV/0!
73	4722000295	1	A12	183.29	177.76	180.50	2
74	4722000297	1	B12	35.78	34.74	35.26	2
75	4722000012	1	C12	0.3		0.30	#DIV/0!
76	4722000201	1	D12	0.18		0.18	#DIV/0!
77	4722000069	1	E12	0.27		0.27	#DIV/0!
78	4722000070	1	F12	0.22		0.22	#DIV/0!
79	4722000081	1	G12	0.09		0.09	#DIV/0!
80	4722000101	1	H12	0.23		0.23	#DIV/0!
81	4722000103	2	A3	0.21		0.21	#DIV/0!
82	4722000148	2	B3	0.1		0.1	#DIV/0!
83	4722000018	2	C3	0.11		0.11	#DIV/0!
84	4722000064	2	D3	1.08		1.08	#DIV/0!
85	4722000149	2	E3	0.3		0.3	#DIV/0!
86	4722000153	2	F3	0.8	1.23	0.99	30
87	4722000180	2	G3	0.26		0.26	#DIV/0!
88	4722000212	2	H3	0.93		0.93	#DIV/0!
89	4722000213	2	A4	0.31		0.31	#DIV/0!
90	CMV 1	2	B4	0.56	1.42	0.89	61
91	CMV 2	2	C4	0.3		0.30	#DIV/0!
92	CMV 3	2	D4	0.79	1.23	0.99	31
93	CMV 4	2	E4	1.29	1.18	1.23	6
94	CMV 5	2	F4	0.3		0.30	#DIV/0!

95	CMV 6	2	G4	1.5	1.8	1.64	13
96	CMV 7	2	H4	1.48	1.23	1.35	13
97	CMV 8	2	A5	0.88	1.14	1.00	18
98	CMV 9	2	B5	0.51		0.51	#DIV/0!
99	CMV 10	2	C5	16.22	17.85	17.02	7

	COV19N (75)					RBD (23)		
pos/neg	400	8000	GMC	CV%	pos/neg	400	8000	GMC
pos		808.89	808.89	#DIV/0!	pos	41.1	69.8	53.56
pos	231.01	281.09	254.82	14	pos	13.95	14.51	14.23
pos	256.48	300.78	277.75	11	pos	11.13	11.91	11.51
pos		864.03	864.03	#DIV/0!	pos		113.92	113.92
pos		593.44	593.44	#DIV/0!	pos	53.38	54.92	54.14
neg	79.51	73.67	76.53	5	pos	11.57	12.62	12.08
neg	24.05	28.59	26.22	12	pos	2.39	2.45	2.42
pos		663.17	663.17	#DIV/0!	pos	65.41	65.49	65.45
pos	37	32.7	34.78	9	pos	12.47	16.63	14.40
pos	48.45	48.89	48.67	1	pos	11.02	14.22	12.52
neg	0.97	2.42	1.53	60	neg	2.21	1.64	1.90
neg	1.16		1.16	#DIV/0!	neg	1.41	1.54	1.47
neg	2.75	4.94	3.69	40	neg	3.08	3.84	3.44
pos	75.03	86.29	80.46	10	pos	69.81	67.77	68.78
pos	82.63	77.93	80.25	4	pos	23.75	33.54	28.22
pos	168.6	202.33	184.70	13	pos	47.97	61.68	54.39
pos	61.55	62.55	62.05	1	pos	22.68	23.78	23.22
pos		1609.1	1609.10	#DIV/0!	pos	583.58	491.58	535.61
pos	198.04	263.73	228.54	20	pos	13.07	14.51	13.77
pos	108.59	113.92	111.22	3	pos	122.85	162.94	141.48
pos	273.68	375.72	320.67	22	pos	84.58	94.24	89.28
pos	113.18	102.66	107.79	7	pos	38.17	37.26	37.71
pos	63.42	81.27	71.79	17	pos	46.28	50.6	48.39
pos	136.56	149.24	142.76	6	pos	42.49	67.48	53.55
pos	42.91	46.23	44.54	5	pos	150.01	193.67	170.45
pos	115.05	145.06	129.19	16	pos	40.59	56.03	47.69
pos	289.89	445.98	359.56	30	pos	381.29	300.38	338.43
neg	236.77	299.99	266.51	17	pos	27.66	25.28	26.44
pos	198.94	218.28	208.39	7	pos	57.8	62.8	60.25
pos	108.04	94.43	101.01	10	pos	31.47	29.04	30.23
pos	278.92	262.18	270.42	4	pos	149.24	118.32	132.88
pos	163.96	156.09	159.98	3	pos	55.43	46.88	50.98
pos	274.13	305.22	289.26	8	pos	123.77	107.61	115.41
pos	325.82	404.32	362.95	15	pos	17.2	19.57	18.35
neg	62.52	57.05	59.72	6	pos	5.26	5.85	5.55
pos	363.35	510.5	430.69	24	pos	22.78	25.34	24.03
pos	112.18	104.78	108.42	5	pos	27.34	25.51	26.41
pos	285.45	267.82	276.49	5	pos	59.61	48.04	53.51
pos	170.25	165	167.60	2	pos	36.68	38.55	37.60
pos	513.64	627.71	567.82	14	pos	95.04	83.56	89.12
pos	94.41	84.36	89.24	8	pos	36.62	33.52	35.04
pos	7.2	6.39	6.78	8	neg	15.75	14.01	14.85
neg	35.91	30.67	33.19	11	pos	12.55	11.99	12.27
neg	73.69	66.11	69.80	8	pos	6.19	4.6	5.34
pos	9.22	6.84	7.94	21	neg	97.65	82.12	89.55
pos		1226.1	1226.10	#DIV/0!	pos		1212.09	1212.09

pos	121.47	103.22	111.97	11	pos	42.36	70.56	54.67
pos		1343.82	1343.82	#DIV/0!	pos		289.24	289.24
pos		2566.17	2566.17	#DIV/0!	pos		724.57	724.57
pos		9197.89	9197.89	#DIV/0!	pos	32.43	100.06	56.96
pos		20095.78	20095.78	#DIV/0!	pos	38.7	178.81	83.19
pos		16770.98	16770.98	#DIV/0!	pos	42.29	246.47	102.09
pos		14252.06	14252.06	#DIV/0!	pos	43.67	276.57	109.90
pos	296.42	801.87	487.53	65	pos	8.45	39.12	18.18
pos		4331.9	4331.90	#DIV/0!	pos		2463.03	2463.03
pos	422.55	487.56	453.89	10	pos		1314.97	1314.97
pos		4887.26	4887.26	#DIV/0!	pos		1238.24	1238.24
pos		3999.1	3999.10	#DIV/0!	pos		3071.84	3071.84
pos	175.6	143.16	158.55	14	pos	151.54	130.51	140.63
pos		2753.5	2753.50	#DIV/0!	pos		1300.72	1300.72
pos		2404.06	2404.06	#DIV/0!	pos		1080.16	1080.16
neg	4.66	5.39	5.01	10	neg	17.62	60.06	32.53
pos		1007.16	1007.16	#DIV/0!	pos		743.35	743.35
pos		2535.51	2535.51	#DIV/0!	pos		567.47	567.47
pos		1814.4	1814.40	#DIV/0!	pos		877.32	877.32
pos	278.7	696.98	440.74	61	pos		492.38	492.38
pos		1720.12	1720.12	#DIV/0!	pos	367.62	382.7	375.08
pos	362.3	490.57	421.58	21	pos	786.63	1017.73	894.75
pos		724.74	724.74	#DIV/0!	pos		789.91	789.91
pos		1827.97	1827.97	#DIV/0!	pos		1973.75	1973.75
pos	412.6	721.25	545.52	38	pos		659.85	659.85
neg	0.44		0.44	#DIV/0!	neg	2.19	3.5	2.77
pos		50351.39	50351.39	#DIV/0!	pos		572.67	572.67
pos		2624.79	2624.79	#DIV/0!	pos	195.99	154.73	174.14
neg	14.32	14.21	14.26	1	neg	2.44	1.91	2.16
neg	0.93	0.83	0.88	8	neg	3.09	3.84	3.44
neg	2.03	2.15	2.09	4	neg	6.91	9.33	8.03
neg	1.86	1.57	1.71	12	neg	1.81	1.89	1.85
neg	0.71		0.71	#DIV/0!	neg	0.96	1.21	1.08
neg	0.6	0.73	0.66	14	neg	2.08	2.28	2.18
neg	2.63		2.63	#DIV/0!	neg	6.54	12.67	9.10
neg	1.6		1.6	#DIV/0!	neg	7.56	10.65	8.97
neg	1.23		1.23	#DIV/0!	neg	0.43		0.43
neg	5.08	4.57	4.82	7	neg	1.42	1.33	1.37
neg	2.32		2.32	#DIV/0!	neg	5.62	7.26	6.39
neg	2.91	2.96	2.93	1	neg	10.03	20.58	14.37
neg	1.98		1.98	#DIV/0!	neg	1.97	2.61	2.27
neg	2.52		2.52	#DIV/0!	neg	3.14	2.84	2.99
neg	3.25	3.54	3.39	6	neg	7.76	12.13	9.70
neg	1.49		1.49	#DIV/0!	neg	1.04	0.88	0.96
neg	9.48	9.61	9.54	1	neg	3.14	3.16	3.15
neg	3.85	3.47	3.66	7	neg	4.57	3.48	3.99
neg	5.67	4.64	5.13	14	neg	12.86	26.86	18.59
neg	27.83	84.36	48.45	71	pos ??	4.99	10.8	7.34

neg	11.92	11.58	11.75	2	neg	11.37	17.45	14.09
neg	8.72	9.32	9.02	5	neg	15.53	30.71	21.84
neg	2.53		2.53	#DIV/0!	neg	2.59	3.6	3.05
neg	2.28		2.28	#DIV/0!	neg	1.88	2.26	2.06
pos ??	5.07	3.47	4.19	26	neg	11.14	28.75	17.90

(23)

CV%	
37	pos
3	neg
5	neg
#DIV/0!	pos
2	pos
6	neg
2	neg
0	pos
20	neg
18	neg
21	neg
6	neg
16	neg
2	pos
24	pos
18	pos
3	pos
12	pos
7	neg
20	pos
8	pos
2	pos
6	pos
32	pos
18	pos
23	pos
17	pos
6	pos
6	pos
6	pos
16	pos
12	pos
10	pos
9	neg
8	neg
8	pos
5	pos
15	pos
4	pos
9	pos
6	pos
8	neg
3	neg
21	neg
12	pos
#DIV/0!	pos

35	pos	
#DIV/0!	pos	
#DIV/0!	pos	
72	pos	nogmaals testen
91	pos	nogmaals testen
100	pos	nogmaals testen
103	pos	nogmaals testen
91	neg	nogmaals testen
#DIV/0!	pos	
#DIV/0!	pos	
#DIV/0!	pos	
#DIV/0!	pos	
11	pos	
#DIV/0!	pos	
#DIV/0!	pos	
77	pos	
#DIV/0!	pos	
#DIV/0!	pos	
#DIV/0!	pos	
#DIV/0!	pos	
3	pos	
18	pos	
#DIV/0!	pos	
#DIV/0!	pos	
#DIV/0!	pos	
33	neg	
#DIV/0!	pos	
17	pos	
17	neg	
15	neg	
21	neg	
3	neg	
16	neg	
6	neg	
45	neg	
24	neg	
#DIV/0!	neg	
5	neg	
18	neg	
49	neg	
20	neg	
7	neg	
31	neg	
12	neg	
0	neg	
19	neg	
50	neg	
52	neg	

30	neg
46	pos
23	neg
13	neg
62	neg

plate layout 6/4/2020 IDS panel (n=99)

Plate 1	1	2	3	4	5	6	7	8	9	10	11	12
A	S1	S9	X1	X9	X17	X25	X33	X41	X49	X57	X65	X73
B	S2	S10	X2	X10	X18	X26	X34	X42	X50	X58	X66	X74
C	S3	S11	X3	X11	X19	X27	X35	X43	X51	X59	X67	X75
D	S4	S12	X4	X12	X20	X28	X36	X44	X52	X60	X68	X76
E	S5	B	X5	X13	X21	X29	X37	X45	X53	X61	X69	X77
F	S6	B	X6	X14	X22	X30	X38	X46	X54	X62	X70	X78
G	S7	Mister X	X7	X15	X23	X31	X39	X47	X55	X63	X71	X79
H	S8	Control low	X8	X16	X24	X32	X40	X48	X56	X64	X72	X80

2e ref serum

Plate 2	1	2	3	4	5	6	7	8	9	10	11	12
A	S1	S9	X1	X9	X17	X25	X33	X41	X49	X57	X65	X73
B	S2	S10	X2	X10	X18	X26	X34	X42	X50	X58	X66	X74
C	S3	S11	X3	X11	X19	X27	X35	X43	X51	X59	X67	X75
D	S4	S12	X4	X12	X20	X28	X36	X44	X52	X60	X68	X76
E	S5	B	X5	X13	X21	X29	X37	X45	X53	X61	X69	X77
F	S6	B	X6	X14	X22	X30	X38	X46	X54	X62	X70	X78
G	S7	Mister X	X7	X15	X23	X31	X39	X47	X55	X63	X71	X79
H	S8	Control low	X8	X16	X24	X32	X40	X48	X56	X64	X72	X80

2e ref serum

Plate 3	1	2	3	4	5	6	7	8	9	10	11	12
A	S1	S9	X81	X89	X97	X81	X89	X97				
B	S2	S10	X82	X90	X98	X82	X90	X98				
C	S3	S11	X83	X91	X99	X83	X91	X99				
D	S4	S12	X84	X92		X84	X92					
E	S5	B	X85	X93		X85	X93					
F	S6	B	X86	X94		X86	X94					
G	S7	Mister X	X87	X95		X87	X95					
H	S8	Control low	X88	X96		X88	X96					

2e ref serum

256

256 x 3000 beads = 768.000 beads

73	coV19 S1 C4 24-04-2020
75	coV19 N C4 24-04-2020
23	RBD C2 24-04-2020

total volume beads:	6400 ul	(Surmodics-FCS)
35 µl	49 µl	49 µl
73	75	23

Performed by: MK

Samples		
	1/20	5ul + 95ul SB
	1/400	5ul (1/20) + 95ul SB
	1/8000	5ul (1/400) + 95ul SB

Mister X		
	1/20	5ul + 95ul SB
	1/1000	5ul (1/20) + 245ul SB
	1/27000	5ul (1/1000) + 130ul SB

Control low		
	1/20	5ul + 95ul SB
	1/1600	5ul (1/20) + 245ul SB

Sample buffer (SB): 40 ml — Surmodics-2% FCS: 0.8 ml FCS, 39.2 ml surmodics

Lot# Surmodics: SM 01V02
Lot# FCS: AC10240623
Was buffer: 1X PBS lot# 2183107

R-Phycoerythrin conjugated Goat anti-human IgG (Jackson Immuno Reseach)		lot#	144963	
R-PE buffer (PBS)	1/400	32 ul	12800	

25µl serum verdunning/ we
Incubatie tijd serum 45 min.
3x wassen met PBS in de
50µl conjugaat verdunning/
Incubatie tijd conjugaat 30 m
3x wassen en afkazen
Gemeten op FM3D

2e ref serum

3 s fap dil.		dilution	OC43	coV19 S1	coV19 N	RBD	
1/35429400	S1	120µl SB + 60µl S2	0.0000	0.0000	0.0001	0.0000	
1/11809800	S2	120µl SB + 60µl S3	0.0000	0.0000	0.0003	0.0001	
1/3936600	S3	120µl SB + 60µl S4	0.0000	0.0000	0.0008	0.0002	
1/1312200	S4	120µl SB + 60µl S5	0.0000	0.0001	0.0023	0.0006	
1/437400	S5	120µl SB + 60µl S6	0.0001	0.0004	0.0070	0.0017	
1/145800	S6	120µl SB + 60µl S7	0.0003	0.0012	0.0209	0.0051	AU/ml
1/48600	S7	120µl SB + 60µl S8	0.0009	0.0037	0.0628	0.0154	
1/16200	S8	120µl SB + 60µl S9	0.0028	0.0112	0.1883	0.0463	
1/5400	S9	120µl SB + 60µl S10	0.0085	0.0337	0.5648	0.1388	
1/1800	S10	120µl SB + 60µl S11	0.0256	0.1011	1.6944	0.4167	
1/600	S11	120µl SB + 60µl S12	0.0767	0.3033	5.0833	1.2500	
1/200	S12	180µl SB + 20 µl (20x verd.)	0.23	0.91	15.25	3.75	
20x		95µl SB + 5µl 2e ref					

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File Name: [redacted] 5.1.2h
Acquisition Date: 04-jun-2020, 03:29
Reader Serial Number: FM3DD18067021
Plate ID:
RP1 PMT (Volts): 549.78
RP1 Target: NA

					20000		47000		30000
				COV19S1 (73)	COV19S1 (73)	COV19N (75)	COV19N (75)	RBD (23)	RBD (23)
Type	**Well**	**Description**	**Dilution**	**Obs Conc**	**FI - Bkgd**	**Obs Conc**	**FI - Bkgd**	**Obs Conc**	**FI - Bkgd**
B	E2,F2		1		16.3		30		23.3
S1	A1		1	---		0	14	---	
S2	B1		1	---		---		0	18.8
S3	C1		1	---		0	72	0	51.8
S4	D1		1	0	11.8	0	167.5	0	165.3
S5	E1		1	0	39.3	0.01	512	0	446.8
S6	F1		1	0	148.8	0.02	1454	0.01	1319.8
S7	G1		1	0	392.8	0.07	4291	0.02	4189.3
S8	H1		1	0.01	1255.8	0.19	10895.5	0.05	9800.8
S9	A2		1	0.03	3603.3	0.53	27036.5	0.13	21739.8
S10	B2		1	0.1	9299.3	1.68	60263.5	0.44	46085.8
S11	C2		1	0.3	20671.8	OOR >	80323	1.45	73208.8
S12	D2		1	0.91	37268.8	2.15	64870	3.22	87599.3
C1	G2	Mr X	27000	67.18	274.3	2865.1	6269	405.42	3669.8
C2	H2	Control low	1000	1.69	184.8	7.04	519	13.49	3324.8
X1	A3	4722000110	400	10.14	2731.8	522.31	53588.5	41.1	18664.8
X2	B3	4711000111	400	4.9	1356.8	231.01	29254	13.95	7787.3
X3	C3	4711000112	400	3.1	865.3	256.48	31996.5	11.13	6396.3
X4	D3	4722000113	400	33.7	8003.8	617.6	58171.5	84.03	30563.8
X5	E3	4722000114	400	11.93	3182.8	441.99	48501.5	53.38	22562.3
X6	F3	4722000116	400	1.37	379.8	79.51	11163	11.57	6613.8
X7	G3	4722000118	400	0.38	101.8	24.05	3717	2.39	1551.8
X8	H3	4722000121	400	16.46	4278.8	456.78	49530.5	65.41	25957.3

X9	A4	4722000122	400	3.81	1060.8	37	5525.5	12.47	7064.8
X10	B4	4722000123	400	3.2	890.8	48.45	7080.5	11.02	6338.3
X11	C4	4722000127	400	0.51	138.3	0.97	197	2.21	1438.8
X12	D4	4722000130	400	0.58	156.8	1.16	231	1.41	932.8
X13	E4	4722000131	400	0.39	102.8	2.75	508	3.08	1970.3
X14	F4	4722000214	400	15.68	4095.8	75.03	10584.5	69.81	27111.8
X15	G4	4722000215	400	5.93	1635.3	82.63	11564.5	23.75	12168.8
X16	H4	4722000216	400	3.65	1015.8	168.6	22144.5	47.97	20905.3
X17	A5	4722000217	400	5.45	1507.3	61.55	8823	22.68	11721.8
X18	B5	4722000218	400	150.4	23689.8OOR >		85992	583.58	73357.3
X19	C5	4722000219	400	4.01	1113.8	198.04	25562	13.07	7357.8
X20	D5	4722000220	400	39.09	9048.3	108.59	14853.5	122.85	38335.8
X21	E5	4722000221	400	23.7	5922.8	273.68	33791.5	84.58	30689.3
X22	F5	4722000222	400	8.54	2323.8	113.18	15426	38.17	17659.8
X23	G5	4722000223	400	11.37	3042.8	63.42	9069	46.28	20368.3
X24	H5	4722000224	400	11.19	2997.8	136.56	18304.5	42.49	19133.3
X25	A6	4722000225	400	20.25	5156.8	42.91	6332	150.01	42724.8
X26	B6	4722000226	400	7.28	1993.8	115.05	15659	40.59	18493.3
X27	C6	4722000480	400	47.34	10555.8	289.89	35437.5	381.29	64167.8
X28	D6	4722000481	400	2.28	636.3	236.77	29882.5	27.66	13756.8
X29	E6	4722000482	400	19.25	4927.8	198.94	25665	57.8	23854.3
X30	F6	4722000483	400	6.12	1685.3	108.04	14784	31.47	15227.3
X31	G6	4722000484	400	40.58	9328.8	278.92	34329	149.24	42610.3
X32	H6	4722000485	400	22.25	5603.3	163.96	21596	55.43	23168.3
X33	A7	4722000486	400	28.87	7023.8	274.13	33837.5	123.77	38495.8
X34	B7	4722000487	400	6.35	1748.3	325.82	38923	17.2	9313.8
X35	C7	4722000488	400	0.92	252.3	62.52	8951.5	5.26	3246.8
X36	D7	4722000489	400	5.72	1578.3	363.35	42307	22.78	11761.8
X37	E7	4722000490	400	5.12	1418.3	112.18	15301	27.34	13630.3
X38	F7	4722000491	400	18.3	4708.8	285.45	34991.5	59.61	24368.8
X39	G7	4722000492	400	9.13	2475.8	170.25	22339	36.68	17135.3
X40	H7	4722000493	400	18.3	4708.8	513.64	53097	95.04	32986.8

X41	A8	4722000494	400		7.26	1987.3		94.41	13067	36.62	17114.8
X42	B8	4722000495	400		3.49	971.3		7.2	1227	15.75	8639.3
X43	C8	4722000496	400		1.8	499.8		35.91	5375	12.55	7102.3
X44	D8	4722000497	400		0.33	86.8		73.69	10410.5	6.19	3773.8
X45	E8	4722000498	400		9.69	2618.8		9.22	1540	97.65	33534.8
X46	F8	4722000055	400		233.6	30238.8	OOR >		76482	*9939.00	106218.8
X47	G8	4722000250	400		3.66	1017.8		121.47	16454	42.36	19087.8
X48	H8	4722000251	400		25.17	6241.3		485.09	51382	121.88	38164.3
X49	A9	4722000252	400		64.8	13437.3		792.39	63521	152.48	43090.8
X50	B9	4722000256	400		3.92	1089.8	OOR >		96267.5	32.43	15589.3
X51	C9	4722000257	400		7.4	2024.8	OOR >		101239.5	38.7	17842.8
X52	D9	4722000258	400		10.74	2885.3	OOR >		109927	42.29	19065.3
X53	E9	4722000259	400		12.62	3353.8	OOR >		100668	43.67	19522.3
X54	F9	4722000263	400		4.08	1134.3		296.42	36089	8.45	5004.3
X55	G9	4722000265	400	*825.34		49624.3	OOR >		89890	1117.9	85370.3
X56	H9	4722000267	400		222.94	29518.8		422.55	47084	926.62	82192.8
X57	A10	4722000270	400	*404.09		38868.8	OOR >		102234.5	*3762.12	100137.8
X58	B10	4722000273	400	*552.66		43737.8		1200.63	68458.5	OOR >	125592.8
X59	C10	4722000274	400		26.73	6575.8		175.6	22967	151.54	42953.3
X60	D10	4722000276	400	*447.07		40457.3	OOR >		75385	*1659.12	91245.3
X61	E10	4722000277	400	*382.45		37999.8	OOR >		72150.5	*2166.50	94605.8
X62	F10	4722000278	400		1.72	478.8		4.66	824	17.62	9504.8
X63	G10	4722000279	400		190.61	27141.8		615.64	58091.5	1234.28	86947.3
X64	H10	4722000281	400		118.56	20443.8	OOR >		84072	949.29	82615.8
X65	A11	4722000283	400		225.61	29701.8		639.39	59029	*1416.87	89028.3
X66	B11	4722000284	400		200.11	27872.8		278.7	34306	*1678.97	91405.3
X67	C11	4722000286	400		124	21037.8		489.31	51645	367.62	63344.8
X68	D11	4722000287	400		202.55	28055.8		362.3	42215.5	786.63	79220.8
X69	E11	4722000288	400		161.51	24706.8		537.16	54400	189.96	48096.8
X70	F11	4722000291	400	*907.71		50938.8		846.01	64606.5	OOR >	117420.3
X71	G11	4722000293	400	*411.78		39165.8		412.6	46330	*1429.12	89153.8
X72	H11	4722000294	400		0.11	26.8		0.44	97.5	2.19	1428.3

X73	A12	4722000295	400	183.29	26558.3	OOR >		99685	1111.67	85279.3
X74	B12	4722000297	400	35.78	8413.8	OOR >		84598	195.99	48817.3
X75	C12	4722000012	400	0.3	79.8		14.32	2308	2.44	1578.8
X76	D12	4722000201	400	0.18	46.8		0.93	189.5	3.09	1979.3
X77	E12	4722000069	400	0.27	69.8		2.03	385	6.91	4170.8
X78	F12	4722000070	400	0.22	55.8		1.86	355.5	1.81	1187.3
X79	G12	4722000081	400	0.09	20.8		0.71	148	0.96	648.8
X80	H12	4722000101	400	0.23	58.3		0.6	128.5	2.08	1357.8

*** = Value not available; --- = Designated as an outlier

*Value = Value extrapolated beyond standard range

OOR = Out of Range; OOR> = Out of Range Above; OOR< = Out of Range Below

Exp Conc = Expected Concentration; Obs Conc = Observed Concentration

File Name: 5.1.2h
Acquisition Date: 04-jun-2020, 03:55
Reader Serial Number: FM3DD18067021
Plate ID:
RP1 PMT (Volts): 549.78
RP1 Target: NA

						40000		47000		47000
				COV19S1 (73)	COV19S1 (73)	COV19N (75)	COV19N (75)	RBD (23)	RBD (23)	
Type	**Well**	**Description**	**Dilution**	**Obs Conc**	**FI - Bkgd**	**Obs Conc**	**FI - Bkgd**	**Obs Conc**	**FI - Bkgd**	
B	E2,F2		1		14.5		28.5		27	
S1	A1		1	---		0	10.5	---		
S2	B1		1	---		---		0	12	
S3	C1		1	---		0	64.5	---		
S4	D1		1	0	19.5	0	149.5	0	141	
S5	E1		1	0	32.5	0.01	476.5	0	457	
S6	F1		1	0	128.5	0.02	1392	0.01	1344	
S7	G1		1	0	402.5	0.07	4223	0.02	3798.5	
S8	H1		1	0.01	1097	0.2	11943	0.04	9119	
S9	A2		1	0.03	3195.5	0.51	26741	0.13	22124.5	
S10	B2		1	0.1	8353.5	1.66	57190	0.41	47293	
S11	C2		1	0.32	20399.5	OOR >	88531.5	1.47	80783	
S12	D2		1	0.89	40699	3.44	70151.5	3.21	96545	
C1	G2	Mr X	27000	60.29	217	2491.64	5672.5	360.21	3095.5	
C2	H2	Control low	1000	1.5	141.5	6.28	433.5	13.38	3104	
X1	A3	4722000110	8000	12.54	148.5	808.89	6187.5	69.8	2092.5	
X2	B3	4711000111	8000	5.72	65	281.09	2253.5	14.51	477	
X3	C3	4711000112	8000	3.14	36.5	300.78	2404.5	11.91	395	
X4	D3	4722000113	8000	38.29	486.5	864.03	6587.5	113.92	3286	
X5	E3	4722000114	8000	13.4	159.5	593.44	4606.5	54.92	1674.5	
X6	F3	4722000116	8000	*0.46	12.5	73.67	625	12.62	417.5	
X7	G3	4722000118	8000	OOR <	6	28.59	253.5	2.45	82	
X8	H3	4722000121	8000	20.58	252.5	663.17	5121.5	65.49	1972.5	

X9	A4	4722000122	8000	4.84	55	32.7	288	16.63	543.5
X10	B4	4722000123	8000	3.52	40.5	48.89	422.5	14.22	468
X11	C4	4722000127	8000	*0.61	13.5	2.42	26.5	1.64	53
X12	D4	4722000130	8000	*0.38	12	*0.63	9.5	1.54	49.5
X13	E4	4722000131	8000	OOR <	8.5	4.94	49.5	3.84	130
X14	F4	4722000214	8000	17.36	210.5	86.29	727	67.77	2036
X15	G4	4722000215	8000	6.7	76.5	77.93	659.5	33.54	1055.5
X16	H4	4722000216	8000	3.89	44.5	202.33	1644.5	61.68	1865.5
X17	A5	4722000217	8000	6.74	77	62.55	534.5	23.78	763
X18	B5	4722000218	8000	154.7	1955.5	1609.1	11823.5	491.58	11979.5
X19	C5	4722000219	8000	5.02	57	263.73	2120	14.51	477
X20	D5	4722000220	8000	39.12	497.5	113.92	948.5	162.94	4550.5
X21	E5	4722000221	8000	29.08	364.5	375.72	2975.5	94.24	2761
X22	F5	4722000222	8000	8.78	101.5	102.66	858.5	37.26	1165
X23	G5	4722000223	8000	14.11	168.5	81.27	686.5	50.6	1551.5
X24	H5	4722000224	8000	11.51	135.5	149.24	1228.5	67.48	2028
X25	A6	4722000225	8000	21.76	268	46.23	400.5	193.67	5316.5
X26	B6	4722000226	8000	11.19	131.5	145.06	1195.5	56.03	1706
X27	C6	4722000480	8000	51.71	663.5	445.98	3506	300.38	7846
X28	D6	4722000481	8000	2.14	26.5	299.99	2398.5	25.28	808.5
X29	E6	4722000482	8000	19.4	237	218.28	1768.5	62.8	1897
X30	F6	4722000483	8000	7.79	89.5	94.43	792.5	29.04	921.5
X31	G6	4722000484	8000	33.23	419.5	262.18	2108	118.32	3402
X32	H6	4722000485	8000	25.6	318.5	156.09	1282.5	46.88	1444.5
X33	A7	4722000486	8000	28.66	359	305.22	2438.5	107.61	3119
X34	B7	4722000487	8000	8.24	95	404.32	3192	19.57	634.5
X35	C7	4722000488	8000	OOR <	7.5	57.05	489.5	5.85	198
X36	D7	4722000489	8000	7.46	85.5	510.5	3989.5	25.34	810.5
X37	E7	4722000490	8000	5.24	59.5	104.78	875.5	25.51	815.5
X38	F7	4722000491	8000	17.13	207.5	267.82	2151.5	48.04	1478
X39	G7	4722000492	8000	8.61	99.5	165	1352.5	38.55	1203
X40	H7	4722000493	8000	18.59	226.5	627.71	4860	83.56	2471.5

X41	A8	4722000494	8000	8.65	100	84.36	711.5	33.52	1055
X42	B8	4722000495	8000	4.08	46.5	6.39	62.5	14.01	461.5
X43	C8	4722000496	8000	*1.26	18.5	30.67	271	11.99	397.5
X44	D8	4722000497	8000	OOR <	5.5	66.11	563.5	4.6	156
X45	E8	4722000498	8000	8.69	100.5	6.84	66.5	82.12	2432
X46	F8	4722000055	8000	213.15	2637.5	1226.1	9170.5	1212.09	24536
X47	G8	4722000250	8000	3.8	43.5	103.22	863	70.56	2113.5
X48	H8	4722000251	8000	33.38	421.5	1343.82	9994.5	289.24	7590.5
X49	A9	4722000252	8000	72.97	940.5	2566.17	18098	724.57	16486.5
X50	B9	4722000256	8000	5.72	65	9197.89	47794.5	100.06	2917.5
X51	C9	4722000257	8000	11.75	138.5	20095.78	65637	178.81	4948.5
X52	D9	4722000258	8000	17.09	207	16770.98	62287.5	246.47	6591.5
X53	E9	4722000259	8000	21.69	267	14252.06	58813.5	276.57	7297.5
X54	F9	4722000263	8000	8.2	94.5	801.87	6136.5	39.12	1219.5
X55	G9	4722000265	8000	835.64	8613	4331.9	28295	2463.03	39749
X56	H9	4722000267	8000	263.04	3195.5	487.56	3818	1314.97	26044.5
X57	A10	4722000270	8000	425.1	4887	4887.26	31130	1238.24	24925
X58	B10	4722000273	8000	1762.27	15427.5	3999.1	26511.5	3071.84	45327.5
X59	C10	4722000274	8000	24.95	310	143.16	1180.5	130.51	3720.5
X60	D10	4722000276	8000	432.76	4963	2753.5	19265.5	1300.72	25839
X61	E10	4722000277	8000	351.66	4141	2404.06	17071.5	1080.16	22513
X62	F10	4722000278	8000	1.38	19.5	5.39	53.5	60.06	1820
X63	G10	4722000279	8000	215.7	2666.5	1007.16	7617.5	743.35	16828.5
X64	H10	4722000281	8000	118.62	1517	2535.51	17905	567.47	13504.5
X65	A11	4722000283	8000	176.95	2219	1814.4	13212.5	877.32	19187
X66	B11	4722000284	8000	302.72	3625.5	696.98	5370	492.38	11996
X67	C11	4722000286	8000	96.71	1243.5	1720.12	12577.5	382.7	9681.5
X68	D11	4722000287	8000	201.45	2503.5	490.57	3840.5	1017.73	21518.5
X69	E11	4722000288	8000	231.27	2842.5	724.74	5573.5	789.91	17664
X70	F11	4722000291	8000	822.99	8507	1827.97	13303.5	1973.75	34514
X71	G11	4722000293	8000	309.98	3703	721.25	5548	659.85	15285
X72	H11	4722000294	8000	OOR <	5.5	OOR <	-0.5	3.5	118.5

X73	A12	4722000295	8000		177.76	2228.5	50351.39	75066.5	572.67	13607
X74	B12	4722000297	8000		34.74	439.5	2624.79	18465.5	154.73	4342.5
X75	C12	4722000012	8000	OOR <		9.5	14.21	131	1.91	63
X76	D12	4722000201	8000	OOR <		1.5	0.83	11.5	3.84	130
X77	E12	4722000069	8000	OOR <		4.5	2.15	24	9.33	312
X78	F12	4722000070	8000	OOR <		3.5	1.57	18.5	1.89	62
X79	G12	4722000081	8000	OOR <		0.5	*0.17	5	1.21	37.5
X80	H12	4722000101	8000	OOR <		2.5	0.73	10.5	2.28	76

*** = Value not available; --- = Designated as an outlier

*Value = Value extrapolated beyond standard range

OOR = Out of Range; OOR> = Out of Range Above; OOR< = Out of Range Below

Exp Conc = Expected Concentration; Obs Conc = Observed Concentration

File Name: [redacted] 5.1.2h
Acquisition Date: 04-jun-2020, 04:22
Reader Serial Number: FM3DD18067021
Plate ID:
RP1 PMT (Volts): 549.78
RP1 Target: NA

					36000		30000		30000
				COV19S1 (73)	COV19S1 (73)	COV19N (75)	COV19N (75)	RBD (23)	RBD (23)
Type	**Well**	**Description**	**Dilution**	**Obs Conc**	**FI - Bkgd**	**Obs Conc**	**FI - Bkgd**	**Obs Conc**	**FI - Bkgd**
B	E2,F2		1		12.5		31		19.3
S1	A1		1	---		---		---	
S2	B1		1	---		0	22	0	11.3
S3	C1		1	---		0	49.5	0	45.8
S4	D1		1	0	9.5	0	126	0	128.8
S5	E1		1	0	31.5	0.01	372	0	313.8
S6	F1		1	0	102.5	0.02	1200.5	0.01	1068.8
S7	G1		1	0	323.5	0.07	3573.5	0.02	3402.3
S8	H1		1	0.01	896.5	0.19	9960	0.05	8179.8
S9	A2		1	0.03	2719.5	0.53	24212	0.13	19925.8
S10	B2		1	0.1	7158.5	1.56	48386.5	0.43	43094.8
S11	C2		1	0.31	18115.5	OOR >	81922	1.27	68492.3
S12	D2		1	0.91	36860.5	6.33	72275	3.64	88323.3
C1	G2	Mr X	27000	51.67	158.5	2319.76	4613.5	319.41	2369.8
C2	H2	Control low	1000	1.54	127.5	7.33	407.5	14.04	2789.8
X1	A3	4722000103	400	0.21	41.5	2.63	367	6.54	3222.8
X2	B3	4722000148	400	0.1	18.5	1.6	225	7.56	3694.3
X3	C3	4722000018	400	0.11	20.5	1.23	175	0.43	224.8
X4	D3	4722000064	400	1.08	224.5	5.08	701	1.42	737.3
X5	E3	4722000149	400	0.3	60.5	2.32	324	5.62	2793.3
X6	F3	4722000153	400	0.8	165.5	2.91	405	10.03	4803.3
X7	G3	4722000180	400	0.26	52.5	1.98	278	1.97	1015.8
X8	H3	4722000212	400	0.93	193.5	2.52	351	3.14	1599.8

X9	A4	4722000213	400	0.31	63.5	3.25	451	7.76	3782.8
X10	B4	CMV 1	400	0.56	114.5	1.49	211	1.04	543.3
X11	C4	CMV 2	400	0.3	61.5	9.48	1298	3.14	1599.3
X12	D4	CMV 3	400	0.79	163.5	3.85	533	4.57	2292.8
X13	E4	CMV 4	400	1.29	267.5	5.67	781	12.86	6029.8
X14	F4	CMV 5	400	0.3	60.5	27.83	3754.5	4.99	2493.3
X15	G4	CMV 6	400	1.5	310.5	11.92	1628.5	11.37	5391.8
X16	H4	CMV 7	400	1.48	308	8.72	1195.5	15.53	7147.8
X17	A5	CMV 8	400	0.88	182.5	2.53	353	2.59	1326.8
X18	B5	CMV 9	400	0.51	104.5	2.28	318.5	1.88	971.8
X19	C5	CMV 10	400	16.22	3171.5	5.07	699.5	11.14	5289.8
X20	A6	4722000103	8000	*0.76	5.5	*1.65	18	12.67	332.3
X21	B6	4722000148	8000	*0.47	2.5	OOR <	3.5	10.65	279.8
X22	C6	4722000018	8000	*0.19	-0.5	OOR <	-2	*0.30	7.3
X23	D6	4722000064	8000	*0.99	8	4.57	38	1.33	34.8
X24	E6	4722000149	8000	*0.57	3.5	*0.92	13	7.26	191.3
X25	F6	4722000153	8000	1.23	10.5	2.96	27	20.58	536.8
X26	G6	4722000180	8000	*0.99	8	*1.21	15	2.61	68.8
X27	H6	4722000212	8000	*0.85	6.5	OOR <	5	2.84	74.8
X28	A7	4722000213	8000	*0.85	6.5	3.54	31	12.13	318.3
X29	B7	CMV 1	8000	1.42	12.5	OOR <	0	0.88	22.8
X30	C7	CMV 2	8000	1.14	9.5	9.61	72.5	3.16	83.3
X31	D7	CMV 3	8000	1.23	10.5	3.47	30.5	3.48	91.8
X32	E7	CMV 4	8000	1.18	10	4.64	38.5	26.86	697.8
X33	F7	CMV 5	8000	*0.28	0.5	84.36	583	10.8	283.8
X34	G7	CMV 6	8000	1.8	16.5	11.58	86	17.45	456.3
X35	H7	CMV 7	8000	1.23	10.5	9.32	70.5	30.71	795.8
X36	A8	CMV 8	8000	1.14	9.5	*0.77	12	3.6	94.8
X37	B8	CMV 9	8000	*0.85	6.5	*1.86	19.5	2.26	59.3
X38	C8	CMV 10	8000	17.85	185	3.47	30.5	28.75	745.8

*** = Value not available; --- = Designated as an outlier

*Value = Value extrapolated beyond standard range
OOR = Out of Range; OOR> = Out of Range Above; OOR< = Out of Range Below
Exp Conc = Expected Concentration; Obs Conc = Observed Concentration

67.18	2865.1	405.42
60.29	2491.64	360.21
51.67	2319.76	319.41
1.69	7.04	13.49
1.5	6.28	13.38
1.54	7.33	14.04