

MEMORANDUM

DATE : March 4, 2024

TO : Shane LaFave / Roers Companies, LLC

FROM : Pratap Singh, Ph.D., PE / KSingh

SUBJECT : Weekly Report for the Week Ending 03/02/2024
Community Within the Corridor - East Block

COPY TO : Que El-Amin / Scott Crawford, Inc., Robert Reineke, PE, Robert Fedorchak, PE
Project #40441B

The purpose of this memorandum is to report test results and provide a summary of the work performed for the referenced project for the week ending 03/02/2024. This week's focus was on building preparation activities including conducting screening / pre-commissioning activities and additional column sealing in order to plan and prepare for the 2nd round of commissioning. Tasks performed in the past week included:

1. Thorough GC testing;
2. Vacuum measurements confirming sufficient vacuum at all vapor pin locations;
3. Smoke testing;
4. Sealing of columns in select units and rooms;
5. Meeting with Hartman Environmental Geoscience for refresher training and GC calibration check;
6. Preparation for 2nd Round of Commissioning;

Column sealing activities were completed this week. A total of 16 columns were sealed using commercial sealant and two layers of Stego Wrap Vapor Barrier (15-MIL) with Stego tape to seal the vapor barrier. Please see Figure 1 (attached) for location of sealed columns to date. Discrete sampling of the columns was conducted to assess impact of the vapor barrier, and TCE concentrations related to the columns have declined since the sealing efforts were completed.

In addition, continuous monitoring was implemented in Units 1045 and 1050 starting the evening of March 1, 2024, which will run through March 3, 2024.

Thorough GC testing was conducted throughout the East Block at nearly 200 locations, and indoor air quality throughout the buildings was consistent and under 2.1 ug/m³ throughout the week with the exception of the N. Mechanical Room and Room 1056. Additional corrective measures including sealing of sump crocks and sealing of saw cuts are under way to improve air quality in these two rooms. This is anticipated to be completed early next week, and then indoor air screening using the portable GC will resume to initiate the upcoming commissioning event.

Attachments

KSingh has included the following attachments for reference:

- Figure 1 – Column Sealing Locations
- Attachment A: Daily Logs of Indoor Air Quality

East Building Level 1

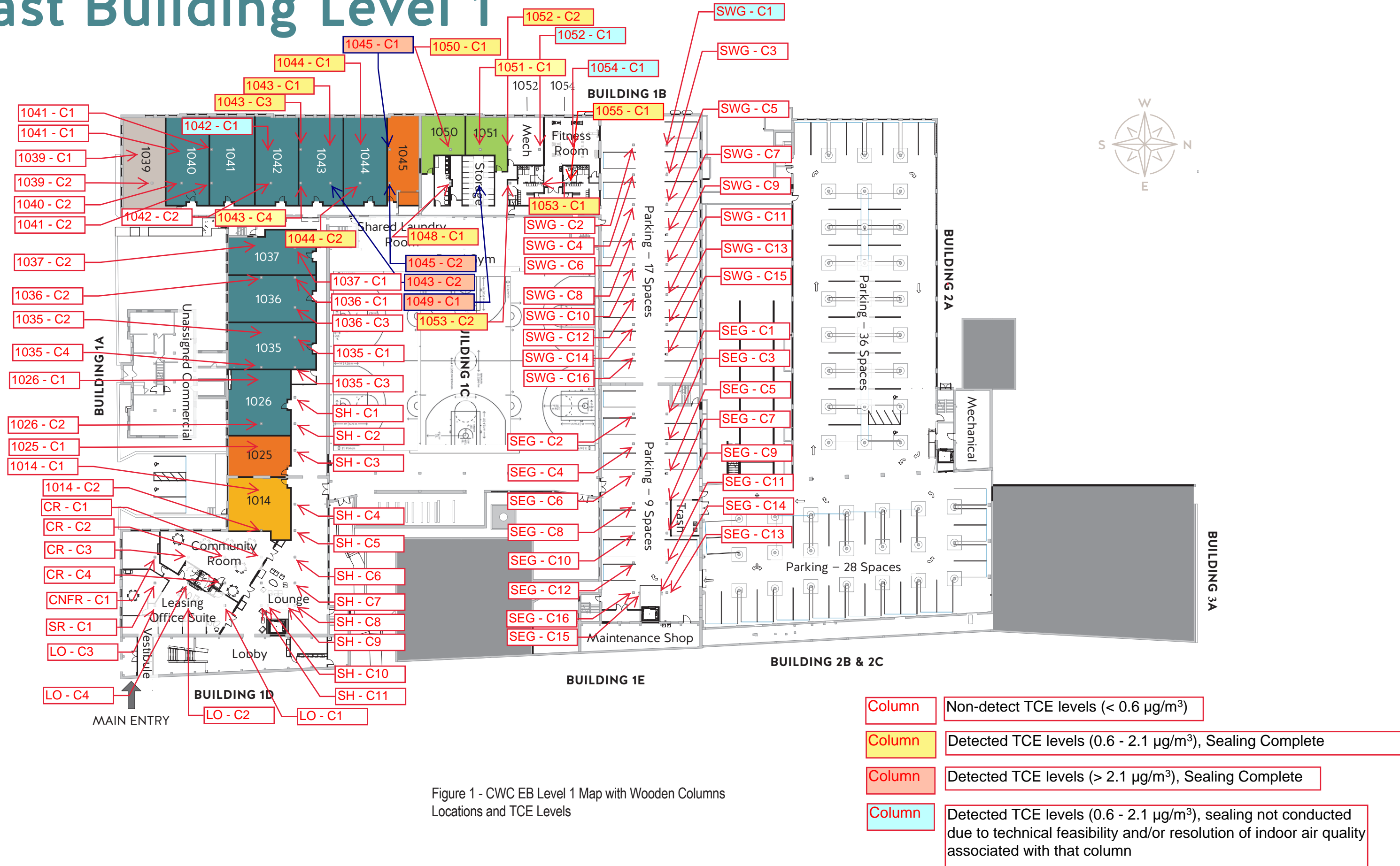


Figure 1 - CWC EB Level 1 Map with Wooden Columns Locations and TCE Levels

Attachment A
Indoor Air Quality Readings

Indoor Air Quality Log
Community Within the Corridor – East Block
2748 N. 32nd Street, Milwaukee, WI

Date:	02/26/2024
Testing Performed by:	K. Singh & Associates, Inc., Ph: 262-821-1171
Professional on Site:	Samuel Ramirez and Nicholas Bach
Signature:	<i>Samuel Ramirez</i>

No.	Location	Time	TCE Reading ($\mu\text{g}/\text{m}^3$)	Time	TCE Reading ($\mu\text{g}/\text{m}^3$)
1	1055	9:20	1.4		
2	1055 C1	9:12	1.4		
3	1044	10:14	0.6		
4	1044 C2	10:02	1.0		
5	1043	10:46	0.7		
6	1043 C1	10:22	1.0		
7	1043 C2	10:30	0.7		
8	1043 C3	10:38	0.9		
9	1053	9:46	1.0		
10	1053 C1	9:30	1.2		
11	1053 C2	10:21	1.7		
12	1045	11:42	0.6		
13	1045 C1	10:54	0.8		
14	1045 C2	10:45	0.6		
15	1049	11:50	0.9		
16	1049 C1	10:13	1.0		
17	1054	12:22	0.8		
18	1054 C1	9:22	0.8		
19	1050	12:30	0.7		
20	1050 C1	10:37	0.7		
21	1048	12:39	ND		
22	1048 C1	10:29	0.8		
23	1052	12:47	1.0		
24	1052 C2	9:58	0.7		
25	SWG	12:55	ND		
26	SWG C1	9:13	0.9		
27	N. Mechanical Room	12:14	0.8		
28	1043 C4	9:05	1.1		
29	1052 C1	9:50	0.8		
30	1051 C1	10:06	ND		

31	1044 C1	11:02	1.1		
32	1042 C1	11:58	0.6		

**Indoor Air Quality Log
Community Within the Corridor – East Block**

Date:	2/26/2024
Testing Performed by:	K. Singh & Associates, Inc., Ph: 262-821-1171
Professional on Site:	Samuel Ramirez and Nicholas Bach
Signature:	<i>Samuel Ramirez</i>

No.	Name	Location	Time	TCE Reading ($\mu\text{g}/\text{m}^3$)
1	EB-01-A	N. Mechanical Room	12:16	ND
2	EB-01-B	Stairwell 8	12:57	ND
3	EB-01-C	Elevator 3	13:47	ND
4	EB-01-D	NW Garage	13:05	ND
5	EB-01-E	E Garage	13:22	ND
6	EB-01-F	Elevator 1	13:56	0.7
7	EB-01-G	SW Garage	13:14	ND
8	EB-01-H	Elevator 2	13:39	1.1
9	EB-01-I	1054	11:26	ND
10	EB-01-K	SE Gym	12:24	ND
11	EB-01-L	Stairwell 6	14:04	ND
12	EB-01-Q	1027A	15:20	ND
13	EB-01-R	1001	14:12	0.6
14	EB-01-S	Stairwell 1	14:22	ND
15	EB-01-T	Stairwell 2	14:31	ND
16	EB-01-U	Stairwell 4	14:39	ND
17	EB-01-V	Stairwell 3	14:47	ND
18	EB-01-W	1051	8:56	ND
19	EB-01-X	1050	11:43	ND
20	EB-01-Y	1045	9:04	ND
21	EB-01-Z	1044	10:14	0.6
22	EB-01-AA	1043	10:46	0.7
23	EB-01-AF	1026	14:55	ND
24	EB-01-AH	Stairwell 5	15:03	ND
25	EB-01-AI	Stairwell 7	15:11	ND
26	EB-01-AM	SW Garage West Wall	15:29	ND
27	EB-01-AN	NW Garage West Wall	15:36	ND
28	EB-02-A	Elevator 1	14:14	ND
29	EB-02-B	Elevator 2	14:22	ND
30	EB-02-C	Elevator 3	14:30	1.4
31	EB-02-D	Stairwell 2	14:39	ND

32	EB-02-E	Stairwell 3	14:48	ND
33	EB-02-F	Stairwell 4	14:57	ND
34	EB-02-G	Stairwell 5	15:05	ND
35	EB-02-H	2038	15:16	ND
36	EB-02-I	2039	15:24	ND
37	EB-02-J	2044	15:31	ND
38	EB-02-K	2045	15:39	ND
39	EB-02-L	2047	15:47	ND
40	EB-02-M	2056	15:54	ND
41	EB-02-N	2057	16:03	ND
42	EB-02-O	2077	16:11	ND
43	EB-03-A	Elevator 1	13:06	ND
44	EB-03-B	Elevator 2	13:15	ND
45	EB-03-C	Elevator 3	13:22	ND
46	EB-03-D	Stairwell 2	13:31	ND
47	EB-03-E	Stairwell 3	13:39	ND
48	EB-03-F	3038	13:56	1.2
49	EB-03-G	3047	14:05	ND
50	EB-03-H	Outside Stairwell 3	13:48	ND

Indoor Air Quality Log
Community Within the Corridor – East Block
2748 N. 32nd Street, Milwaukee, WI

Date:	02/27/2024
Testing Performed by:	K. Singh & Associates, Inc., Ph: 262-821-1171
Professional on Site:	Sam Ramirez, Nick Bach
Signature:	<i>Samuel Ramirez</i>

No.	Location	Time	TCE Reading Before ($\mu\text{g}/\text{m}^3$)	Time	TCE Reading After ($\mu\text{g}/\text{m}^3$)
1	1055	07:22	1.3	15:11	1.5
2	1055 C1	07:15	1.0	15:02	1.2
3	1044	08:51	0.8	15:26	0.9
4	1044 C1	08:43	1.1	15:19	0.9
5	1044 C2	08:35	0.9	15:35	0.9
6	1043	09:40	0.8		
7	1043 C1	09:07	0.8		
8	1043 C2	09:15	0.8		
9	1043 C3	09:23	0.9		
10	1043 C4	09:31	0.9		
11	1053	14:54	1.3		
12	1053 C1	14:37	1.3		
13	1053 C2	14:45	1.2		
14	1045	08:01	ND		
15	1045 C1	09:48	ND		
16	1045 C2	09:58	1.0		
17	1054	07:50	0.7		
18	1054 C1	07:45	0.6		
19	1050	08:06	1.1		
20	N. Mechanical Room	08:14	1.0		
21	1051	07:36	ND		
22	1051 C1	07:33	ND		

**Indoor Air Quality Log
Passive Sampler Locations
Community Within the Corridor – East Block**

Date:	2/27/2024
Testing Performed by:	K. Singh & Associates, Inc., Ph: 262-821-1171
Professional on Site:	Sam Ramirez, Nick Bach
Signature:	<i>Samuel Ramirez</i>

No.	Name	Location	Time	TCE Reading ($\mu\text{g}/\text{m}^3$)
1	EB-01-A	N. Mechanical Room	08:14	1.0
2	EB-01-I	1054	07:50	0.7
3	EB-01-J	NE Gym	14:14	ND
4	EB-01-M	1042	10:08	ND
5	EB-01-N	1046	14:22	ND
6	EB-01-O	1039	10:15	ND
7	EB-01-P	1036	14:30	ND
8	EB-01-W	1051	07:36	ND
9	EB-01-X	1050	08:06	1.1
10	EB-01-Y	1045	08:01	ND
11	EB-01-AO	Building 3A main floor	08:59	ND
12	EB-01-AP	Basketball Court Center	13:55	ND
13	EB-01-AQ	Basketball Court SE Corner	14:04	ND

Indoor Air Quality Log
Community Within the Corridor – East Block
2748 N. 32nd Street, Milwaukee, WI

Date:	02/28/2024
Testing Performed by:	K. Singh & Associates, Inc., Ph: 262-821-1171
Professional on Site:	Samuel Ramirez
Signature:	<i>Samuel Ramirez</i>

No.	Location	Time	TCE Reading Before ($\mu\text{g}/\text{m}^3$)	Time	TCE Reading After ($\mu\text{g}/\text{m}^3$)
1	1055	15:15	1.8		
2	1055 C1	13:08	1.7		
3	1044	14:23	0.6		
4	1044 C1	14:31	0.6		
5	1044 C2	14:39	0.6		
6	1043	9:37	0.7		
7	1043 C1	9:18	0.7		
8	1043 C4	9:28	0.8		
9	1053	11:56	1.5		
10	1053 C1	11:39	1.4		
11	1053 C2	11:48	1.5		
12	1045	14:47	ND		
13	1045 C1	14:56	ND		
14	1045 C2	15:05	ND		
15	1049	9:54	0.8		
16	1049 C1	9:46	1.2		
17	1054	10:12	ND		
18	1054 C1	10:03	0.9		
19	1050	10:29	ND		
20	N. Mechanical Room	10:56	1.8		
21	1050 C1	10:21	ND		
22	1048 C1	10:38	0.7		
23	1048	10:46	0.7		
24	1052 C2	10:56	ND		
25	1052	11:20	ND		
26	1055	15:14	1.7		
27	1053	15:22	1.2		
28	N. Mechanical Room	15:30	0.8		

Indoor Air Quality Log
Community Within the Corridor – East Block
2748 N. 32nd Street, Milwaukee, WI

Date:	02/29/2024
Testing Performed by:	K. Singh & Associates, Inc., Ph: 262-821-1171
Professional on Site:	Samuel Ramirez
Signature:	<i>Samuel Ramirez</i>

No.	Location	Time	TCE Reading Before ($\mu\text{g}/\text{m}^3$)	Time	TCE Reading After ($\mu\text{g}/\text{m}^3$)
1	1055	9:21	1.5		
2	1055 C1	9:29	1.1		
3	1044	11:09	0.7		
4	1044 C1	11:18	0.6		
5	1044 C2	11:26	0.7		
6	1043	11:36	ND		
7	1043 C1	11:47	0.6		
8	1043 C2	11:56	ND		
9	1043 C3	13:06	0.7		
10	1043 C4	13:14	ND		
11	1053	10:14	1.2		
12	1053 C1	9:39	1.2		
13	1053 C2	9:48	1.2		
14	1045	13:22	ND		
15	1045 C1	13:31	ND		
16	1045 C2	13:39	ND		
17	1049	10:44	ND		
18	1049 C1	10:24	ND		
19	1054	10:06	0.6		
20	1054 C1	9:58	0.6		
21	1050	13:47	ND		
22	N. Mechanical Room	10:32	0.8		
23	1051	14:05	ND		
24	1051 C1	14:37	ND		
25	1050 C1	13:56	ND		
26	1048 C1	10:52	ND		
27	1048	11:01	ND		
28	1055	15:03	0.9		
29	1053	15:16	0.9		
30	N. Mechanical Room	16:38	5.9		

31	N. Mechanical Room Pipe	16:22	2.5		
32	N. Mechanical Room West Sump	16:30	4.8		
33	N. Mechanical Room East Sump	16:38	5.9		

Indoor Air Quality Log
Community Within the Corridor – East Block
2748 N. 32nd Street, Milwaukee, WI

Date:	03/01/2024
Testing Performed by:	K. Singh & Associates, Inc., Ph: 262-821-1171
Professional on Site:	Sam Ramirez, Nick Bach
Signature:	<i>Samuel Ramirez</i>

No.	Location	Time	TCE Reading ($\mu\text{g}/\text{m}^3$)	Time	TCE Reading ($\mu\text{g}/\text{m}^3$)
1	1055	12:41	0.7		
2	1044	14:59	0.6		
3	1043	13:52	0.6		
4	1053	13:01	0.8		
5	1045	14:08	ND		
6	1049	13:11	1.5		
7	1054	12:51	ND		
8	1050	13:36	ND		
9	1048	13:27	0.7		
10	1052	14:51	ND		
11	1042	14:17	0.6		
12	1041	14:25	0.7		
13	NWG	14:34	ND		
14	SWG	15:13	ND		
15	N. Mechanical Room	15:22	8.7	12:26	7.6
16	Standard			12:09	File No. 3166
17	1056	14:00	1.9	13:19	2.0
18	1056	15:30	2.5		
19	1042	13:44	ND		