APPENDIX B

TOWEL WASH ROOM DATA

Washroom Exhaust Summaries

Time	Ave THC Conc	MW	(SCFM)	lb/hr	RF	Adjusted lb/hr
10:52 - 18:32	177.8	12	4802	1.59	1.003	1.60

M25 Response Factor

	M25A Data	Conc	MW	(SCFM)	lb/hr	RF
WR-1	09:00 - 10:00	ND	12	4802		
WR-2	11:40 - 12:40	244.3	12	4802	2.19	
WR-3	13:30 - 14:30	203.4	12	4802	1.82	
	M25 Data					
WR-1	09:00 - 10:00	137	12	4802	1.23	
WR-2	11:40 - 12:40	246	12	4802	2.20	1.007
WR-3	13:30 - 14:30	147	12	4802	1.32	1.000

Average Response Factor (RF) 1.003

Notes:

1. Emission rates are reported in pounds per hour as carbon.
2. The response factor is the ratio of Method 25 TGNMO emission rate to the Method 25A VOC emission rate.
3. Response factors used for emission calculations were based on the following specifications:
   - WR-1 The EPA Method 25A analyzer was not operational during this run so there were no Method 25A data and no response factor determination.
   - WR-3 The Method 25 results were lower than the Method 25A results and a response factor of 1 was applied to provide conservative emission rates.

CEM CALIBRATION DATA
EPA Method 25A

Firm: G&K
Location: Manchester, NH
Operator K Laakso
Sample Location: Washroom Vent
Date: 13-May-09

Analyzer: California Analytical
Span Value (S): 900
Analyzer Range: 900

TOTAL HYDROCARBONS

PRE-TEST Calibration Error Check:

	Cylinder ID	Cylinder Gas Conc. (Ca)	Analyzer Response (C)	Slope (m)	Predicted Response (pr)	Calibration Error (<5%) (ce)
Zero, C_O		0.0	2.10			
C_{low} (25-35% span)	alm024363	247.1	260.6	0.9891	244.4	6.6%
C_{mid} (45-55% span)	alm036386	446.1	435.2	0.9891	441.2	-1.4%
C_{high} (80-90% span)	alm062299	900.0	892.3	0.9891	890.2	0.2%

Calibration Drift Check:

Run No:				
Time		13:25	15:30	18:35
Initial Zero	C_{OI}	5.8	9.2	10.2
Initial Span	C_{MI}	904.4	899.1	890.0
Final Zero	C_{OF}	9.2	10.2	10.1
Final Span	C_{MF}	899.1	890.0	909.9
Calibration Drift (< 3%)	CD_O	-0.4%	-0.1%	0.0%
Calibration Drift (< 3%)	CD_M	0.6%	1.0%	-2.2%
THC Conc. (ppm, wet)	C_{THCavg}			

Date	Time	THC - Washroom (ppm)
5/13/2009	7:06:11 AM	
5/13/2009	7:07:11 AM	18.1
5/13/2009	7:08:11 AM	-0.9
5/13/2009	7:09:11 AM	5.4
5/13/2009	7:10:11 AM	1.1
5/13/2009	7:11:11 AM	6.5
5/13/2009	7:11:12 AM	1.3
5/13/2009	7:11:12 AM	3.4
5/13/2009	7:11:12 AM	3.1
5/13/2009	7:11:12 AM	5.8
5/13/2009	7:11:12 AM	3.1
5/13/2009	7:11:12 AM	3.3
5/13/2009	7:11:12 AM	1.4
5/13/2009	7:11:12 AM	-0.8
5/13/2009	7:11:12 AM	3.6
5/13/2009	7:11:12 AM	2.5
5/13/2009	7:11:12 AM	3.9
5/13/2009	7:11:12 AM	-0.1
5/13/2009	7:11:12 AM	5.1
5/13/2009	7:11:12 AM	3.2
5/13/2009	7:11:12 AM	8.5
5/13/2009	7:11:12 AM	5.3
5/13/2009	7:11:12 AM	10.4
5/13/2009	7:11:12 AM	16.1
5/13/2009	7:11:12 AM	10.3
5/13/2009	7:11:12 AM	16.0
5/13/2009	7:11:12 AM	4.2
5/13/2009	7:11:12 AM	0.0
5/13/2009	7:11:12 AM	3.5
5/13/2009	7:11:12 AM	27.6
5/13/2009	7:11:12 AM	23.4
5/13/2009	7:11:12 AM	892.6
5/13/2009	7:11:12 AM	895.5
5/13/2009	7:11:12 AM	78.4
5/13/2009	7:11:12 AM	51.5
5/13/2009	7:11:12 AM	11.9
5/13/2009	7:11:12 AM	25.5
5/13/2009	7:11:12 AM	147.1
5/13/2009	7:11:12 AM	427.3
5/13/2009	7:11:12 AM	258.1
5/13/2009	7:11:12 AM	84.2
5/13/2009	7:11:12 AM	94.0
5/13/2009	7:48:12 AM	94.6
5/13/2009	7:49:12 AM	85.1
5/13/2009	7:49:13 AM	83.5
5/13/2009	7:50:13 AM	86.9
5/13/2009	7:51:13 AM	104.3
5/13/2009	7:52:13 AM	92.3
5/13/2009	7:53:13 AM	1062.5
5/13/2009	7:54:13 AM	1087.7
5/13/2009	7:55:13 AM	1087.7
5/13/2009	7:56:13 AM	210.3
5/13/2009	7:57:13 AM	125.5
5/13/2009	7:58:13 AM	457.1
5/13/2009	7:59:13 AM	1087.7
5/13/2009	8:00:13 AM	1053.9
5/13/2009	8:01:13 AM	1020.0
5/13/2009	8:02:13 AM	144.1
5/13/2009	8:03:13 AM	945.6
5/13/2009	8:04:13 AM	688.0
5/13/2009	8:05:13 AM	1069.1
5/13/2009	8:06:13 AM	1083.4
5/13/2009	8:07:13 AM	113.3

5/13/2009	8:08:13 AM	1008.8	
5/13/2009	8:09:13 AM	583.7	
5/13/2009	8:10:13 AM	116.1	
5/13/2009	8:11:13 AM	81.9	
5/13/2009	8:12:13 AM	83.3	
5/13/2009	8:13:13 AM	87.6	
5/13/2009	8:14:13 AM	114.1	
5/13/2009	8:15:13 AM	157.7	
5/13/2009	8:16:13 AM	114.4	
5/13/2009	8:17:13 AM	89.3	
5/13/2009	8:18:13 AM	389.5	
5/13/2009	8:19:13 AM	355.3	
5/13/2009	8:20:13 AM	110.5	
5/13/2009	8:21:13 AM	98.0	
5/13/2009	8:22:13 AM	109.5	
5/13/2009	8:23:13 AM	130.5	
5/13/2009	8:24:13 AM	192.5	
5/13/2009	8:25:13 AM	275.7	
5/13/2009	8:26:13 AM	138.1	
5/13/2009	8:27:13 AM	124.2	
5/13/2009	8:28:13 AM	103.6	
5/13/2009	8:29:13 AM	100.4	
5/13/2009	8:30:13 AM	90.2	
5/13/2009	8:31:13 AM	95.5	
5/13/2009	8:32:13 AM	95.2	
5/13/2009	8:33:13 AM	81.6	
5/13/2009	8:34:13 AM	69.3	
5/13/2009	8:35:13 AM	81.4	
5/13/2009	8:36:13 AM	59.8	
5/13/2009	8:37:13 AM	82.9	
5/13/2009	8:38:13 AM	69.1	
5/13/2009	8:39:13 AM	62.5	
5/13/2009	8:40:13 AM	50.7	
5/13/2009	8:41:13 AM	57.5	
5/13/2009	8:42:13 AM	61.1	
5/13/2009	8:43:13 AM	52.8	
5/13/2009	8:44:13 AM	66.7	
5/13/2009	8:45:13 AM	64.6	
5/13/2009	8:46:13 AM	53.8	
5/13/2009	8:47:13 AM	53.5	
5/13/2009	8:48:13 AM	48.5	
5/13/2009	8:49:13 AM	53.8	
5/13/2009	8:50:13 AM	56.5	
5/13/2009	8:51:13 AM	56.4	
5/13/2009	8:52:13 AM	53.5	
5/13/2009	8:53:13 AM	43.7	
5/13/2009	8:54:13 AM	52.7	
5/13/2009	8:55:13 AM	37.0	
5/13/2009	8:56:13 AM	39.3	
5/13/2009	8:57:13 AM	52.0	
5/13/2009	8:58:13 AM	41.5	
5/13/2009	8:59:13 AM	33.6	
5/13/2009	9:00:13 AM	53.8	**Start Washroom M25-1 and TO15-1**
5/13/2009	9:01:13 AM	47.3	
5/13/2009	9:02:13 AM	33.5	
5/13/2009	9:03:13 AM	46.3	
5/13/2009	9:04:13 AM	31.3	
5/13/2009	9:05:13 AM	47.9	
5/13/2009	9:06:13 AM	31.0	
5/13/2009	9:07:13 AM	38.6	
5/13/2009	9:08:13 AM	34.7	
5/13/2009	9:09:13 AM	34.0	
5/13/2009	9:10:13 AM	41.8	
5/13/2009	9:11:13 AM	42.3	
5/13/2009	9:12:13 AM	23.2	
5/13/2009	9:13:13 AM	41.2	
5/13/2009	9:14:13 AM	40.4	
5/13/2009	9:15:13 AM	42.1	

5/13/2009	9:16:13 AM	28.4	
5/13/2009	9:17:13 AM	28.1	
5/13/2009	9:18:13 AM	26.2	
5/13/2009	9:19:13 AM	37.9	
5/13/2009	9:20:13 AM	34.0	
5/13/2009	9:21:13 AM	27.1	
5/13/2009	9:22:13 AM	23.9	
5/13/2009	9:23:13 AM	9.4	
5/13/2009	9:24:13 AM	21.2	
5/13/2009	9:25:13 AM	24.7	
5/13/2009	9:26:13 AM	28.7	
5/13/2009	9:27:13 AM	25.3	
5/13/2009	9:28:13 AM	19.8	
5/13/2009	9:29:13 AM	27.5	
5/13/2009	9:30:13 AM	29.6	
5/13/2009	9:31:13 AM	20.2	
5/13/2009	9:32:13 AM	4.8	
5/13/2009	9:33:13 AM	27.9	
5/13/2009	9:34:13 AM	6.2	
5/13/2009	9:35:13 AM	19.4	
5/13/2009	9:36:13 AM	17.5	
5/13/2009	9:37:13 AM	26.3	
5/13/2009	9:38:13 AM	24.2	
5/13/2009	9:39:13 AM	32.1	
5/13/2009	9:40:13 AM	78.8	
5/13/2009	9:41:13 AM	20.6	
5/13/2009	9:42:13 AM	3.8	
5/13/2009	9:43:13 AM	3.2	
5/13/2009	9:44:13 AM	17.1	
5/13/2009	9:45:13 AM	14.3	
5/13/2009	9:46:13 AM	36.8	
5/13/2009	9:47:13 AM	39.2	
5/13/2009	9:48:13 AM	0.0	
5/13/2009	9:49:13 AM	-19.5	
5/13/2009	9:50:13 AM	369.6	
5/13/2009	9:51:13 AM	341.6	
5/13/2009	9:52:13 AM	40.8	
5/13/2009	9:53:13 AM	22.9	
5/13/2009	9:54:13 AM	32.3	
5/13/2009	9:55:13 AM	37.9	
5/13/2009	9:56:13 AM	18.4	
5/13/2009	9:57:13 AM	20.2	
5/13/2009	9:58:13 AM	18.1	
5/13/2009	9:59:13 AM	22.9	
5/13/2009	10:00:13 AM	22.0	**End Washroom M25-1**
5/13/2009	10:01:13 AM	10.6	
5/13/2009	10:02:13 AM	34.2	
5/13/2009	10:03:13 AM	5.8	
5/13/2009	10:04:13 AM	31.1	
5/13/2009	10:05:13 AM	32.9	
5/13/2009	10:06:13 AM	20.3	
5/13/2009	10:07:13 AM	4.0	
5/13/2009	10:08:13 AM	10.4	
5/13/2009	10:09:13 AM	0.0	
5/13/2009	10:10:13 AM	0.0	
5/13/2009	10:11:13 AM	0.0	
5/13/2009	10:12:13 AM	5.7	
5/13/2009	10:13:13 AM	2.8	
5/13/2009	10:14:13 AM	-5.0	
5/13/2009	10:15:13 AM	4.8	
5/13/2009	10:16:13 AM	15.0	
5/13/2009	10:17:13 AM	10.2	
5/13/2009	10:18:13 AM	5.6	
5/13/2009	10:19:13 AM	15.8	
5/13/2009	10:20:13 AM	29.6	
5/13/2009	10:21:13 AM	7.2	
5/13/2009	10:22:13 AM	25.2	
5/13/2009	10:23:13 AM	4.2	

5/13/2009	10:24:13 AM	-72.5
5/13/2009	10:25:13 AM	292.3
5/13/2009	10:26:13 AM	362.4
5/13/2009	10:27:13 AM	322.6
5/13/2009	10:28:13 AM	242.7
5/13/2009	10:29:13 AM	418.3
5/13/2009	10:30:13 AM	428.0
5/13/2009	10:31:13 AM	300.5
5/13/2009	10:32:13 AM	347.8
5/13/2009	10:33:13 AM	278.0
5/13/2009	10:34:13 AM	360.5
5/13/2009	10:35:13 AM	274.0
5/13/2009	10:36:13 AM	344.8
5/13/2009	10:37:13 AM	200.5
5/13/2009	10:38:13 AM	282.7
5/13/2009	10:39:13 AM	-45.6
5/13/2009	10:40:13 AM	-33.8
5/13/2009	10:41:13 AM	32.9
5/13/2009	10:42:13 AM	219.0
5/13/2009	10:43:13 AM	885.0
5/13/2009	10:44:13 AM	202.3
5/13/2009	10:45:13 AM	449.2
5/13/2009	10:46:13 AM	195.7
5/13/2009	10:47:13 AM	181.4
5/13/2009	10:48:13 AM	14.4
5/13/2009	10:49:13 AM	7.5
5/13/2009	10:50:13 AM	179.1
5/13/2009	10:51:13 AM	96.9
5/13/2009	10:52:13 AM	172.7
5/13/2009	10:53:13 AM	176.3
5/13/2009	10:54:13 AM	178.4
5/13/2009	10:55:13 AM	179.9
5/13/2009	10:56:13 AM	185.6
5/13/2009	10:57:13 AM	186.1
5/13/2009	10:58:13 AM	187.2
5/13/2009	10:59:13 AM	184.1
5/13/2009	11:00:13 AM	199.7
5/13/2009	11:01:13 AM	190.7
5/13/2009	11:02:13 AM	181.9
5/13/2009	11:03:13 AM	185.2
5/13/2009	11:04:13 AM	19.4
5/13/2009	11:05:13 AM	176.2
5/13/2009	11:06:13 AM	203.0
5/13/2009	11:07:13 AM	188.9
5/13/2009	11:08:13 AM	203.8
5/13/2009	11:09:13 AM	250.9
5/13/2009	11:10:13 AM	243.0
5/13/2009	11:11:13 AM	256.1
5/13/2009	11:12:13 AM	259.0
5/13/2009	11:13:13 AM	275.3
5/13/2009	11:14:13 AM	284.0
5/13/2009	11:15:13 AM	274.6
5/13/2009	11:16:13 AM	285.9
5/13/2009	11:17:13 AM	280.8
5/13/2009	11:18:13 AM	274.4
5/13/2009	11:19:13 AM	277.0
5/13/2009	11:20:13 AM	278.7
5/13/2009	11:21:13 AM	265.3
5/13/2009	11:22:13 AM	269.2
5/13/2009	11:23:13 AM	255.1
5/13/2009	11:24:13 AM	251.5
5/13/2009	11:25:13 AM	248.9
5/13/2009	11:26:13 AM	246.6
5/13/2009	11:27:13 AM	236.4
5/13/2009	11:28:13 AM	235.0
5/13/2009	11:29:13 AM	225.4

Washroom FID on-line

5/13/2009	11:30:13 AM	223.0	
5/13/2009	11:31:13 AM	225.0	
5/13/2009	11:32:12 AM	215.5	
5/13/2009	11:33:13 AM	217.9	
5/13/2009	11:34:13 AM	210.5	
5/13/2009	11:35:13 AM	205.9	
5/13/2009	11:36:13 AM	202.9	
5/13/2009	11:37:13 AM	195.6	
5/13/2009	11:38:13 AM	202.6	
5/13/2009	11:39:13 AM	221.2	
5/13/2009	11:40:13 AM	208.0	**Start Washroom M25-2**
5/13/2009	11:41:13 AM	196.3	
5/13/2009	11:42:13 AM	211.5	
5/13/2009	11:43:13 AM	220.6	
5/13/2009	11:44:13 AM	219.0	
5/13/2009	11:45:13 AM	225.3	
5/13/2009	11:46:13 AM	241.8	
5/13/2009	11:47:13 AM	243.3	
5/13/2009	11:48:13 AM	254.7	
5/13/2009	11:49:13 AM	291.1	
5/13/2009	11:50:13 AM	285.4	
5/13/2009	11:51:13 AM	269.5	
5/13/2009	11:52:13 AM	263.3	
5/13/2009	11:53:13 AM	265.0	
5/13/2009	11:54:13 AM	268.8	
5/13/2009	11:55:13 AM	264.0	
5/13/2009	11:56:13 AM	276.3	
5/13/2009	11:57:13 AM	266.1	
5/13/2009	11:58:13 AM	269.6	
5/13/2009	11:59:13 AM	262.5	
5/13/2009	12:00:13 PM	258.1	
5/13/2009	12:01:13 PM	261.9	
5/13/2009	12:02:13 PM	263.1	
5/13/2009	12:03:13 PM	261.0	
5/13/2009	12:04:13 PM	252.8	
5/13/2009	12:05:13 PM	262.0	
5/13/2009	12:06:13 PM	251.8	
5/13/2009	12:07:13 PM	253.8	
5/13/2009	12:08:13 PM	249.9	
5/13/2009	12:09:13 PM	249.3	
5/13/2009	12:10:13 PM	248.4	
5/13/2009	12:11:13 PM	245.9	
5/13/2009	12:12:13 PM	235.0	
5/13/2009	12:13:13 PM	241.6	
5/13/2009	12:14:13 PM	239.1	
5/13/2009	12:15:13 PM	231.9	
5/13/2009	12:16:13 PM	231.3	
5/13/2009	12:17:13 PM	234.7	
5/13/2009	12:18:13 PM	234.4	
5/13/2009	12:19:13 PM	224.1	
5/13/2009	12:20:13 PM	240.4	
5/13/2009	12:21:13 PM	254.1	
5/13/2009	12:22:13 PM	263.8	
5/13/2009	12:23:13 PM	243.7	
5/13/2009	12:24:13 PM	236.3	
5/13/2009	12:25:13 PM	254.9	
5/13/2009	12:26:13 PM	249.3	
5/13/2009	12:27:13 PM	230.0	
5/13/2009	12:28:13 PM	225.0	
5/13/2009	12:29:13 PM	243.0	
5/13/2009	12:30:13 PM	232.3	
5/13/2009	12:31:13 PM	219.8	
5/13/2009	12:32:13 PM	235.3	
5/13/2009	12:33:13 PM	244.1	
5/13/2009	12:34:13 PM	230.0	
5/13/2009	12:35:13 PM	237.3	
5/13/2009	12:36:13 PM	239.7	

5/13/2009	12:37:13 PM	228.0	
5/13/2009	12:38:13 PM	224.6	
5/13/2009	12:39:13 PM	225.2	
5/13/2009	12:40:13 PM	213.5	
Average 11:40 - 12:40		**244.3**	
5/13/2009	12:41:13 PM	209.6	
5/13/2009	12:42:13 PM	208.9	
5/13/2009	12:43:13 PM	211.2	
5/13/2009	12:44:13 PM	203.8	
5/13/2009	12:45:13 PM	208.9	
5/13/2009	12:46:13 PM	207.4	
5/13/2009	12:47:13 PM	201.7	
5/13/2009	12:48:13 PM	205.4	
5/13/2009	12:49:13 PM	208.6	
5/13/2009	12:50:13 PM	205.7	
5/13/2009	12:51:13 PM	202.0	
5/13/2009	12:52:13 PM	208.9	
5/13/2009	12:53:13 PM	205.9	
5/13/2009	12:54:13 PM	203.3	
5/13/2009	12:55:13 PM	205.0	
5/13/2009	12:56:13 PM	203.2	
5/13/2009	12:57:13 PM	199.7	
5/13/2009	12:58:13 PM	194.4	
5/13/2009	12:59:13 PM	192.4	
5/13/2009	1:00:13 PM	198.3	
5/13/2009	1:01:13 PM	224.3	
5/13/2009	1:02:13 PM	233.2	
5/13/2009	1:03:13 PM	226.1	
5/13/2009	1:04:13 PM	227.6	
5/13/2009	1:05:13 PM	220.4	
5/13/2009	1:06:13 PM	215.1	
5/13/2009	1:07:13 PM	217.6	
5/13/2009	1:08:13 PM	215.3	
5/13/2009	1:09:13 PM	213.5	
5/13/2009	1:10:13 PM	209.3	
5/13/2009	1:11:13 PM	212.1	
5/13/2009	1:12:13 PM	205.9	
5/13/2009	1:13:13 PM	205.0	
5/13/2009	1:14:13 PM	207.6	
5/13/2009	1:15:13 PM	209.2	
5/13/2009	1:16:13 PM	202.2	
5/13/2009	1:17:13 PM	204.5	
5/13/2009	1:18:13 PM	203.6	
5/13/2009	1:19:13 PM	197.8	
5/13/2009	1:20:13 PM	202.1	
5/13/2009	1:21:13 PM	205.1	
5/13/2009	1:22:14 PM	194.7	
Averages			
5/13/2009	1:23:14 PM	197.5	**Calibrating Washroom FID**
5/13/2009	1:24:14 PM	206.8	
5/13/2009	1:25:14 PM	20.4	
5/13/2009	1:26:14 PM	11.0	
5/13/2009	1:27:14 PM	9.2 Zero	
5/13/2009	1:28:14 PM	899.1 Span	
5/13/2009	1:29:14 PM	179.2	
5/13/2009	1:30:14 PM	185.0	**Start Washroom M25-3**
5/13/2009	1:31:14 PM	189.9	
5/13/2009	1:32:14 PM	190.7	
5/13/2009	1:33:14 PM	193.4	
5/13/2009	1:34:14 PM	196.0	
5/13/2009	1:35:14 PM	196.4	
5/13/2009	1:36:14 PM	189.9	

5/13/2009	1:37:14 PM	189.5	
5/13/2009	1:38:14 PM	192.5	
5/13/2009	1:39:14 PM	195.0	
5/13/2009	1:40:14 PM	194.4	
5/13/2009	1:41:14 PM	191.7	
5/13/2009	1:42:14 PM	196.0	
5/13/2009	1:43:14 PM	197.9	
5/13/2009	1:44:14 PM	198.1	
5/13/2009	1:45:14 PM	196.8	
5/13/2009	1:46:14 PM	196.1	
5/13/2009	1:47:14 PM	198.2	
5/13/2009	1:48:14 PM	190.7	
5/13/2009	1:49:14 PM	199.7	
5/13/2009	1:50:14 PM	194.8	
5/13/2009	1:51:14 PM	193.4	
5/13/2009	1:52:14 PM	197.4	
5/13/2009	1:53:14 PM	207.4	
5/13/2009	1:54:14 PM	213.3	
5/13/2009	1:55:14 PM	208.9	
5/13/2009	1:56:14 PM	243.8	
5/13/2009	1:57:14 PM	242.6	
5/13/2009	1:58:14 PM	235.5	
5/13/2009	1:59:14 PM	243.6	
5/13/2009	2:00:14 PM	254.7	
5/13/2009	2:01:14 PM	254.0	
5/13/2009	2:02:14 PM	251.0	
5/13/2009	2:03:14 PM	242.6	
5/13/2009	2:04:14 PM	242.2	
5/13/2009	2:05:14 PM	230.6	
5/13/2009	2:06:14 PM	227.4	
5/13/2009	2:07:14 PM	224.4	
5/13/2009	2:08:14 PM	220.8	
5/13/2009	2:09:14 PM	210.1	
5/13/2009	2:10:14 PM	207.6	
5/13/2009	2:11:14 PM	206.1	
5/13/2009	2:12:14 PM	205.6	
5/13/2009	2:13:14 PM	201.0	
5/13/2009	2:14:14 PM	196.5	
5/13/2009	2:15:14 PM	194.6	
5/13/2009	2:16:14 PM	191.0	
5/13/2009	2:17:14 PM	186.9	
5/13/2009	2:18:14 PM	182.2	
5/13/2009	2:19:14 PM	176.1	
5/13/2009	2:20:14 PM	180.5	
5/13/2009	2:21:14 PM	182.9	
5/13/2009	2:22:14 PM	188.8	
5/13/2009	2:23:14 PM	186.2	
5/13/2009	2:24:14 PM	179.3	
5/13/2009	2:25:14 PM	181.0	
5/13/2009	2:26:14 PM	190.4	
5/13/2009	2:27:14 PM	185.1	
5/13/2009	2:28:14 PM	181.4	
5/13/2009	2:29:14 PM	186.6	
Average	**13:30 - 14:29**	**203.4**	**End Washroom M25-3**
5/13/2009	2:30:14 PM	185.5	
5/13/2009	2:31:14 PM	175.7	
5/13/2009	2:32:14 PM	178.9	
5/13/2009	2:33:14 PM	180.8	
5/13/2009	2:34:14 PM	181.2	
5/13/2009	2:35:14 PM	171.8	
5/13/2009	2:36:14 PM	185.1	
5/13/2009	2:37:14 PM	192.0	
5/13/2009	2:38:14 PM	188.2	
5/13/2009	2:39:14 PM	181.3	
5/13/2009	2:40:14 PM	180.8	
5/13/2009	2:41:14 PM	173.8	

5/13/2009	2:42:14 PM	186.2	
5/13/2009	2:43:14 PM	180.1	
5/13/2009	2:44:14 PM	178.4	
5/13/2009	2:45:14 PM	179.3	
5/13/2009	2:46:14 PM	173.7	
5/13/2009	2:47:14 PM	170.0	
5/13/2009	2:48:14 PM	172.1	
5/13/2009	2:49:14 PM	170.0	
5/13/2009	2:50:14 PM	168.0	
5/13/2009	2:51:14 PM	163.2	
5/13/2009	2:52:14 PM	164.8	
5/13/2009	2:53:14 PM	173.7	
5/13/2009	2:54:14 PM	166.7	
5/13/2009	2:55:14 PM	160.7	
5/13/2009	2:56:14 PM	152.6	
5/13/2009	2:57:14 PM	150.7	
5/13/2009	2:58:14 PM	150.3	
5/13/2009	2:59:14 PM	151.4	
5/13/2009	3:00:14 PM	147.5	
5/13/2009	3:01:14 PM	144.7	
5/13/2009	3:02:14 PM	140.9	
5/13/2009	3:03:14 PM	140.4	
5/13/2009	3:04:14 PM	139.4	
5/13/2009	3:05:14 PM	142.2	
5/13/2009	3:06:14 PM	139.0	
5/13/2009	3:07:14 PM	134.2	
5/13/2009	3:08:14 PM	134.0	
5/13/2009	3:09:14 PM	130.9	
5/13/2009	3:10:14 PM	129.0	
5/13/2009	3:11:14 PM	128.6	
5/13/2009	3:12:14 PM	137.5	
5/13/2009	3:13:14 PM	149.0	
5/13/2009	3:14:14 PM	151.3	
5/13/2009	3:15:14 PM	153.4	
5/13/2009	3:16:14 PM	154.3	
5/13/2009	3:17:14 PM	145.5	
5/13/2009	3:18:14 PM	143.1	
5/13/2009	3:19:14 PM	144.8	
5/13/2009	3:20:14 PM	141.9	
5/13/2009	3:21:14 PM	145.9	
5/13/2009	3:22:14 PM	147.7	
5/13/2009	3:23:14 PM	143.6	
5/13/2009	3:24:14 PM	141.8	
5/13/2009	3:25:14 PM	143.5	
5/13/2009	3:26:14 PM	144.7	
5/13/2009	3:27:14 PM	145.5	
5/13/2009	3:28:14 PM	140.6	
5/13/2009	3:29:14 PM	141.7	
5/13/2009	3:30:14 PM	887.6	**Calibrating Washroom FID and Dryer FID**
5/13/2009	3:31:14 PM	890.2	span
5/13/2009	3:32:14 PM	10.2	zero
5/13/2009	3:33:14 PM	131.6	
5/13/2009	3:34:14 PM	141.6	
5/13/2009	3:35:14 PM	139.5	
5/13/2009	3:36:14 PM	142.1	
5/13/2009	3:37:14 PM	146.8	
5/13/2009	3:38:14 PM	146.9	
5/13/2009	3:39:14 PM	149.4	
5/13/2009	3:40:14 PM	146.9	
5/13/2009	3:41:14 PM	143.3	
5/13/2009	3:42:14 PM	147.8	
5/13/2009	3:43:14 PM	154.5	
5/13/2009	3:44:14 PM	164.9	
5/13/2009	3:45:14 PM	161.8	
5/13/2009	3:46:14 PM	168.8	

5/13/2009	3:47:14 PM	179.3
5/13/2009	3:48:14 PM	183.1
5/13/2009	3:49:14 PM	188.5
5/13/2009	3:50:14 PM	200.7
5/13/2009	3:51:14 PM	199.0
5/13/2009	3:52:14 PM	193.7
5/13/2009	3:53:14 PM	186.2
5/13/2009	3:54:14 PM	187.6
5/13/2009	3:55:14 PM	181.6
5/13/2009	3:56:14 PM	183.1
5/13/2009	3:57:14 PM	182.2
5/13/2009	3:58:14 PM	181.9
5/13/2009	3:59:14 PM	177.3
5/13/2009	4:00:14 PM	169.9
5/13/2009	4:01:14 PM	171.3
5/13/2009	4:02:14 PM	168.6
5/13/2009	4:03:14 PM	167.3
5/13/2009	4:04:14 PM	156.3
5/13/2009	4:05:14 PM	161.2
5/13/2009	4:06:14 PM	159.5
5/13/2009	4:07:14 PM	156.9
5/13/2009	4:08:14 PM	157.8
5/13/2009	4:09:14 PM	162.3
5/13/2009	4:10:14 PM	162.1
5/13/2009	4:11:14 PM	171.8
5/13/2009	4:12:14 PM	165.8
5/13/2009	4:13:14 PM	166.8
5/13/2009	4:14:14 PM	161.5
5/13/2009	4:15:14 PM	164.1
5/13/2009	4:16:14 PM	168.8
5/13/2009	4:17:14 PM	166.8
5/13/2009	4:18:14 PM	159.3
5/13/2009	4:19:14 PM	167.6
5/13/2009	4:20:14 PM	165.9
5/13/2009	4:21:14 PM	162.6
5/13/2009	4:22:14 PM	165.9
5/13/2009	4:23:14 PM	174.1
5/13/2009	4:24:14 PM	175.6
5/13/2009	4:25:14 PM	185.4
5/13/2009	4:26:14 PM	193.3
5/13/2009	4:27:14 PM	197.1
5/13/2009	4:28:14 PM	176.7
5/13/2009	4:29:14 PM	174.4
5/13/2009	4:30:14 PM	180.3
5/13/2009	4:31:14 PM	182.7
5/13/2009	4:32:14 PM	176.8
5/13/2009	4:33:14 PM	171.5
5/13/2009	4:34:14 PM	168.1
5/13/2009	4:35:14 PM	165.0
5/13/2009	4:36:14 PM	159.0
5/13/2009	4:37:14 PM	158.9
5/13/2009	4:38:14 PM	160.6
5/13/2009	4:39:14 PM	153.8
5/13/2009	4:40:14 PM	152.9
5/13/2009	4:41:14 PM	154.4
5/13/2009	4:42:14 PM	152.5
5/13/2009	4:43:14 PM	149.0
5/13/2009	4:44:14 PM	148.2
5/13/2009	4:45:14 PM	148.7
5/13/2009	4:46:14 PM	148.1
5/13/2009	4:47:14 PM	146.6
5/13/2009	4:48:14 PM	157.3
5/13/2009	4:49:14 PM	160.0
5/13/2009	4:50:14 PM	162.6
5/13/2009	4:51:14 PM	159.1
5/13/2009	4:52:14 PM	160.3
5/13/2009	4:53:14 PM	165.5
5/13/2009	4:54:14 PM	164.5

5/13/2009	4:55:14 PM	164.4
5/13/2009	4:56:14 PM	151.4
5/13/2009	4:57:14 PM	171.0
5/13/2009	4:58:14 PM	169.7
5/13/2009	4:59:14 PM	164.2
5/13/2009	5:00:14 PM	162.8
5/13/2009	5:01:14 PM	167.7
5/13/2009	5:02:14 PM	162.9
5/13/2009	5:03:14 PM	180.4
5/13/2009	5:04:14 PM	180.5
5/13/2009	5:05:14 PM	168.7
5/13/2009	5:06:14 PM	163.9
5/13/2009	5:07:14 PM	164.9
5/13/2009	5:08:14 PM	168.1
5/13/2009	5:09:14 PM	161.0
5/13/2009	5:10:14 PM	156.1
5/13/2009	5:11:14 PM	151.8
5/13/2009	5:12:14 PM	147.2
5/13/2009	5:13:14 PM	145.0
5/13/2009	5:14:14 PM	142.1
5/13/2009	5:15:14 PM	132.0
5/13/2009	5:16:14 PM	130.8
5/13/2009	5:17:14 PM	135.7
5/13/2009	5:18:14 PM	131.1
5/13/2009	5:19:14 PM	131.6
5/13/2009	5:20:14 PM	128.5
5/13/2009	5:21:14 PM	127.2
5/13/2009	5:22:14 PM	123.1
5/13/2009	5:23:14 PM	122.9
5/13/2009	5:24:14 PM	121.5
5/13/2009	5:25:14 PM	120.4
5/13/2009	5:26:14 PM	125.8
5/13/2009	5:27:14 PM	127.2
5/13/2009	5:28:14 PM	126.5
5/13/2009	5:29:14 PM	129.7
5/13/2009	5:30:14 PM	133.2
5/13/2009	5:31:14 PM	125.4
5/13/2009	5:32:14 PM	132.7
5/13/2009	5:33:14 PM	139.4
5/13/2009	5:34:14 PM	136.1
5/13/2009	5:35:14 PM	129.2
5/13/2009	5:36:14 PM	124.0
5/13/2009	5:37:14 PM	124.9
5/13/2009	5:38:14 PM	123.8
5/13/2009	5:39:14 PM	121.2
5/13/2009	5:40:14 PM	118.7
5/13/2009	5:41:14 PM	116.8
5/13/2009	5:42:14 PM	114.3
5/13/2009	5:43:14 PM	113.2
5/13/2009	5:44:14 PM	109.5
5/13/2009	5:45:14 PM	108.3
5/13/2009	5:46:14 PM	105.9
5/13/2009	5:47:14 PM	105.4
5/13/2009	5:48:14 PM	101.4
5/13/2009	5:49:14 PM	97.7
5/13/2009	5:50:14 PM	96.3
5/13/2009	5:51:14 PM	94.9
5/13/2009	5:52:14 PM	94.2
5/13/2009	5:53:14 PM	92.5
5/13/2009	5:54:14 PM	87.5
5/13/2009	5:55:14 PM	86.3
5/13/2009	5:56:15 PM	84.1
5/13/2009	5:57:15 PM	82.1
5/13/2009	5:58:15 PM	81.7
5/13/2009	5:59:15 PM	80.6
5/13/2009	6:00:15 PM	80.1
5/13/2009	6:01:15 PM	80.6
5/13/2009	6:02:15 PM	81.5

5/13/2009	6:03:15 PM	82.8	
5/13/2009	6:04:15 PM	85.8	
5/13/2009	6:05:15 PM	83.6	
5/13/2009	6:06:15 PM	82.6	
5/13/2009	6:07:15 PM	78.4	
5/13/2009	6:08:15 PM	78.7	
5/13/2009	6:09:15 PM	78.0	
5/13/2009	6:10:15 PM	76.4	
5/13/2009	6:11:15 PM	73.6	
5/13/2009	6:12:15 PM	73.1	
5/13/2009	6:13:15 PM	71.5	
5/13/2009	6:14:15 PM	69.1	
5/13/2009	6:15:15 PM	68.5	
5/13/2009	6:16:15 PM	67.5	
5/13/2009	6:17:15 PM	67.1	
5/13/2009	6:18:15 PM	63.8	
5/13/2009	6:19:15 PM	64.6	
5/13/2009	6:20:15 PM	62.8	
5/13/2009	6:21:15 PM	63.7	
5/13/2009	6:22:15 PM	63.5	
5/13/2009	6:23:15 PM	61.5	
5/13/2009	6:24:15 PM	61.6	
5/13/2009	6:25:15 PM	61.2	
5/13/2009	6:26:15 PM	60.5	
5/13/2009	6:27:15 PM	59.3	
5/13/2009	6:28:15 PM	60.8	
5/13/2009	6:29:15 PM	59.5	
5/13/2009	6:30:15 PM	59.3	
5/13/2009	6:31:15 PM	57.8	
5/13/2009	6:32:15 PM	58.4	
Average 10:52 - 18:32		177.8	
5/13/2009	6:33:15 PM	58.0	
5/13/2009	6:34:15 PM	15.1	**Started End Of Day Cals**
5/13/2009	6:35:15 PM	44.0	
5/13/2009	6:36:15 PM	27.9	
5/13/2009	6:37:15 PM	909.9	span
5/13/2009	6:38:15 PM	10.1	zero
5/13/2009	6:39:15 PM	15.9	
5/13/2009	6:40:15 PM	21.9	
5/13/2009	6:41:15 PM	12.9	

Washroom Exhaust Summaries

Time	Ave THC Conc	MW	(SCFM)	lb/hr	RF	Adjusted lb/hr
07:11 - 17:44	878.6	12	4893	8.02	1.063	8.52
17:45 - 07:15	102.8	12	4893	0.94	1.063	1.00

M25 Run Response Factor

	M25A Data	Conc	MW	(SCFM)	lb/hr	RF
WR-4	08:40 -09:40	989.1	12	4893	9.03	
WR-5	10:30 - 11:30	920.7	12	4893	8.40	
WR-6	14:00 - 15:00	1324.2	12	4893	12.08	
	M25 Data					
WR-4	08:40 -09:40	1008	12	4893	9.20	1.019
WR-5	10:30 - 11:30	645	12	4893	5.89	1.000
WR-6	14:00 - 15:00	1548	12	4893	14.12	1.169

Response Factor (RF) 1.063

Notes:
1. Emission rates are reported in pounds per hour as carbon.
2. The response factor is the ratio of Method 25 TGNMO emission rate to the Method 25A VOC emission rate.
3. Response factors used for emission calculations were based on the following specifications:
   WR-5 The Method 25 results were lower than the Method 25A results and a response factor of 1 was applied to provide conservative emission rates.

morning cal

CEMSoft Calibration and Test Results Log

5/14/2009

Calibration Error	THC - Washroom (ppm)
Range	900.00
Low Gas Concentration	247.10
Mid Gas Concentration	446.10
High Gas Concentration	900.00
Zero Response	-1.92
Low Response	243.86
Mid Response	442.81
High Response	896.04
Zero Cal Error	-0.21
Low Cal Error	-0.36
Mid Cal Error	-0.37
High Cal Error	-0.44

Initial Bias	; - Washroom (ppm)
Span Gas Concentration	446.10
Zero Response	0.04
Span Response	450.64
Zero Bias	0.22
Span Bias	0.87

CEMSoft Calibration and Test Results Log

G & K
4 Sources
5/14/2009

Calibration Error	THC - Washroom (ppm)
Range	4480.00
Low Gas Concentration	900.00
Mid Gas Concentration	2480.00
High Gas Concentration	4480.00
Zero Response	-1.92
Low Response	243.86
Mid Response	442.81
High Response	896.04
Zero Cal Error	-0.04
Low Cal Error	-14.65
Mid Cal Error	-45.47
High Cal Error	-80.00

1030

CEMSoft Calibration and Test Results Log

5/14/2009

Calibration Error	THC - Washroom (ppm)
Range	4480.00
Low Gas Concentration	900.00
Mid Gas Concentration	2480.00
High Gas Concentration	4480.00
Zero Response	8.08
Low Response	928.53
Mid Response	2491.55
High Response	4476.82
Zero Cal Error	0.18
Low Cal Error	0.64
Mid Cal Error	0.26
High Cal Error	-0.07

Initial Bias	; - Washroom (ppm)
Span Gas Concentration	4480.00
Zero Response	3.24
Span Response	4456.88
Zero Bias	-0.11
Span Bias	-0.45

1715

CEMSoft Calibration and Test Results Log

G & K

5/14/2009

Calibration Error	THC - Washroom (ppm)
Range	900.00
Low Gas Concentration	247.10
Mid Gas Concentration	446.10
High Gas Concentration	900.00
Zero Response	5.77
Low Response	255.30
Mid Response	456.53
High Response	899.33
Zero Cal Error	0.64
Low Cal Error	1.69
Mid Cal Error	1.16
High Cal Error	-0.07

Initial Bias	THC - Washroom (ppm)
Span Gas Concentration	900.00
Zero Response	4.23
Span Response	906.32
Zero Bias	-0.17
Span Bias	0.78

FINAL CAL 5-15-09 @ 0739

	Zero	Span
EQ Exhaust	~~29.8~~ 23.0	989
Washroom	7.5	898
Water Heater	7.0	865.0
Dryer	4.0	870.0

Date	Time	THC - Washroom (ppm)	
5/14/2009	6:28:54 AM	1	
5/14/2009	6:29:53 AM	-9.0	
5/14/2009	6:30:53 AM	5.6	
5/14/2009	6:31:53 AM	-8.7	
5/14/2009	6:32:53 AM	-8.6	
5/14/2009	6:33:53 AM	14.0	
5/14/2009	6:34:53 AM	5.0	
5/14/2009	6:35:20 AM	47.2	
5/14/2009	6:35:20 AM	50.7	
5/14/2009	6:35:20 AM	52.9	
5/14/2009	6:35:20 AM	54.6	
5/14/2009	6:35:20 AM	55.7	
5/14/2009	6:35:20 AM	57.3	
5/14/2009	6:35:20 AM	17.6	
5/14/2009	6:35:20 AM	-2.4	
5/14/2009	6:35:20 AM	61.5	
5/14/2009	6:35:20 AM	67.5	
5/14/2009	6:35:20 AM	68.4	
5/14/2009	6:35:20 AM	444.9	
5/14/2009	6:35:20 AM	98.8	
5/14/2009	6:35:20 AM	245.2	
5/14/2009	6:35:20 AM	65.7	
5/14/2009	6:35:20 AM	71.0	
5/14/2009	6:35:20 AM	72.3	
5/14/2009	6:35:20 AM	71.5	
5/14/2009	6:35:20 AM	85.5	
5/14/2009	6:35:20 AM	85.7	
5/14/2009	6:35:20 AM	86.3	
5/14/2009	6:35:20 AM	82.6	
5/14/2009	6:35:20 AM	72.6	
5/14/2009	6:35:20 AM	87.8	
5/14/2009	6:35:20 AM	80.2	
5/14/2009	6:35:20 AM	82.9	
5/14/2009	6:35:20 AM	84.4	
5/14/2009	6:35:20 AM	83.2	
5/14/2009	6:35:20 AM	79.0	
5/14/2009	6:35:20 AM	85.5	
5/14/2009	7:05:53 AM	84.5	
5/14/2009	7:06:53 AM	82.9	
5/14/2009	7:07:53 AM	83.4	
5/14/2009	7:07:59 AM	83.3	
5/14/2009	7:08:59 AM	83.1	
5/14/2009	7:09:59 AM	80.3	
5/14/2009	7:10:59 AM	82.9	**on-line collecting data**
5/14/2009	7:11:59 AM	83.0	
5/14/2009	7:12:59 AM	70.7	
5/14/2009	7:13:59 AM	70.5	
5/14/2009	7:14:59 AM	69.2	

5/14/2009	7:15:59 AM	68.8
5/14/2009	7:16:59 AM	72.2
5/14/2009	7:17:59 AM	75.1
5/14/2009	7:18:59 AM	78.9
5/14/2009	7:19:59 AM	78.0
5/14/2009	7:20:59 AM	78.6
5/14/2009	7:21:59 AM	76.9
5/14/2009	7:22:59 AM	77.7
5/14/2009	7:23:59 AM	75.8
5/14/2009	7:24:59 AM	78.5
5/14/2009	7:25:59 AM	76.2
5/14/2009	7:26:59 AM	76.9
5/14/2009	7:27:59 AM	76.6
5/14/2009	7:28:59 AM	75.7
5/14/2009	7:29:59 AM	74.9
5/14/2009	7:30:59 AM	75.1
5/14/2009	7:31:59 AM	77.0
5/14/2009	7:32:59 AM	75.7
5/14/2009	7:33:59 AM	73.7
5/14/2009	7:34:59 AM	74.8
5/14/2009	7:35:59 AM	74.8
5/14/2009	7:36:59 AM	76.7
5/14/2009	7:37:59 AM	79.0
5/14/2009	7:38:59 AM	86.3
5/14/2009	7:39:59 AM	99.1
5/14/2009	7:40:59 AM	90.6
5/14/2009	7:41:59 AM	98.9
5/14/2009	7:42:59 AM	108.0
5/14/2009	7:43:59 AM	134.1
5/14/2009	7:44:59 AM	131.0
5/14/2009	7:45:59 AM	123.3
5/14/2009	7:46:59 AM	118.6
5/14/2009	7:47:59 AM	133.6
5/14/2009	7:48:59 AM	129.8
5/14/2009	7:49:59 AM	128.9
5/14/2009	7:50:59 AM	145.1
5/14/2009	7:51:59 AM	143.1
5/14/2009	7:52:59 AM	147.1
5/14/2009	7:53:59 AM	145.6
5/14/2009	7:54:59 AM	160.8
5/14/2009	7:55:59 AM	195.5
5/14/2009	7:56:59 AM	225.7
5/14/2009	7:57:59 AM	223.9
5/14/2009	7:58:59 AM	225.0
5/14/2009	7:59:59 AM	213.9
5/14/2009	8:00:59 AM	208.3
5/14/2009	8:01:59 AM	204.7
5/14/2009	8:02:59 AM	208.5
5/14/2009	8:03:59 AM	210.3
5/14/2009	8:04:59 AM	220.8
5/14/2009	8:05:59 AM	222.4
5/14/2009	8:06:59 AM	210.6

5/14/2009	8:07:59 AM	230.8	
5/14/2009	8:08:59 AM	264.4	
5/14/2009	8:09:59 AM	250.6	
5/14/2009	8:10:59 AM	251.7	
5/14/2009	8:11:59 AM	309.3	
5/14/2009	8:12:59 AM	349.2	
5/14/2009	8:13:59 AM	332.9	
5/14/2009	8:14:59 AM	360.5	
5/14/2009	8:15:59 AM	372.1	
5/14/2009	8:16:59 AM	391.3	
5/14/2009	8:17:59 AM	379.5	
5/14/2009	8:18:59 AM	400.3	
5/14/2009	8:19:59 AM	423.4	
5/14/2009	8:20:59 AM	456.2	
5/14/2009	8:21:59 AM	495.1	
5/14/2009	8:22:59 AM	502.3	
5/14/2009	8:23:59 AM	498.3	
5/14/2009	8:24:59 AM	521.5	
5/14/2009	8:25:59 AM	529.0	
5/14/2009	8:26:59 AM	526.3	
5/14/2009	8:27:59 AM	538.9	
5/14/2009	8:28:59 AM	540.4	
5/14/2009	8:29:59 AM	628.0	
5/14/2009	8:30:59 AM	624.7	**Start Washroom TO-15-2**
5/14/2009	8:31:59 AM	611.2	
5/14/2009	8:32:59 AM	607.8	
5/14/2009	8:33:59 AM	603.6	
5/14/2009	8:34:59 AM	588.0	
5/14/2009	8:35:59 AM	715.8	
5/14/2009	8:36:59 AM	736.6	
5/14/2009	8:37:59 AM	661.8	
5/14/2009	8:38:59 AM	730.4	
5/14/2009	8:39:59 AM	815.8	
5/14/2009	8:40:59 AM	739.6	**Start Washroom M25-4**
5/14/2009	8:41:59 AM	688.4	
5/14/2009	8:42:59 AM	893.0	
5/14/2009	8:43:59 AM	835.6	
5/14/2009	8:44:59 AM	785.4	
5/14/2009	8:45:59 AM	768.5	
5/14/2009	8:46:59 AM	981.8	
5/14/2009	8:47:59 AM	931.8	
5/14/2009	8:48:59 AM	889.6	
5/14/2009	8:49:59 AM	984.5	
5/14/2009	8:50:59 AM	937.0	
Average		**608.2**	
5/14/2009	8:51:59 AM	1016.4	
5/14/2009	8:52:59 AM	1005.7	
5/14/2009	8:53:59 AM	918.9	

Avearge	08:40 - 08:54	884.0	**FIDs off line for calibrations**
5/14/2009	8:59:44 AM	898.6	
5/14/2009	9:10:37 AM	16.3	
5/14/2009	9:10:37 AM	95.6	
5/14/2009	9:10:37 AM	734.5	
5/14/2009	9:10:37 AM	4477.5	
5/14/2009	9:10:37 AM	934.8	
5/14/2009	9:10:37 AM	1277.1	
5/14/2009	9:17:27 AM	1339.3	
5/14/2009	9:18:27 AM	1394.5	
5/14/2009	9:18:48 AM	1423.8	
5/14/2009	9:19:48 AM	1439.2	
5/14/2009	9:20:48 AM	1332.0	**Washroom FID Back on-line**
5/14/2009	9:21:48 AM	1237.6	
5/14/2009	9:22:48 AM	1174.2	
5/14/2009	9:23:48 AM	1228.4	
5/14/2009	9:24:48 AM	1151.2	
5/14/2009	9:25:48 AM	1146.9	
5/14/2009	9:26:48 AM	1075.2	
5/14/2009	9:27:48 AM	1062.0	
5/14/2009	9:28:48 AM	1046.3	
5/14/2009	9:29:48 AM	1014.0	
5/14/2009	9:30:48 AM	1004.8	
5/14/2009	9:31:48 AM	981.1	
5/14/2009	9:32:48 AM	971.3	
5/14/2009	9:33:48 AM	980.8	
5/14/2009	9:34:48 AM	955.5	
5/14/2009	9:35:48 AM	963.7	
5/14/2009	9:36:48 AM	951.2	
5/14/2009	9:37:48 AM	1001.5	
5/14/2009	9:38:48 AM	980.8	
5/14/2009	9:39:48 AM	983.1	
5/14/2009	9:40:48 AM	975.9	
Average		**989.1**	**End Washroom M25-4**
5/14/2009	9:41:48 AM	984.1	
5/14/2009	9:42:48 AM	1061.4	
5/14/2009	9:43:48 AM	1022.9	
5/14/2009	9:44:48 AM	1063.7	
5/14/2009	9:45:48 AM	1244.2	
5/14/2009	9:46:48 AM	1073.9	
5/14/2009	9:47:48 AM	1077.2	
5/14/2009	9:48:48 AM	1105.8	
5/14/2009	9:49:48 AM	1166.0	
5/14/2009	9:50:48 AM	1235.0	
5/14/2009	9:51:48 AM	1219.2	
5/14/2009	9:52:48 AM	1436.3	

5/14/2009	9:53:48 AM	1302.1	
5/14/2009	9:54:48 AM	1279.1	
5/14/2009	9:55:48 AM	1288.9	
5/14/2009	9:56:48 AM	1320.8	
5/14/2009	9:57:48 AM	1312.0	
5/14/2009	9:58:48 AM	1318.2	
5/14/2009	9:59:48 AM	1263.3	
5/14/2009	10:00:48 AM	1175.8	
5/14/2009	10:01:48 AM	1141.0	
5/14/2009	10:02:48 AM	1144.3	
5/14/2009	10:03:48 AM	1144.3	
5/14/2009	10:04:48 AM	1132.7	
5/14/2009	10:05:48 AM	1076.8	
5/14/2009	10:06:48 AM	1115.3	
5/14/2009	10:07:48 AM	1061.4	
5/14/2009	10:08:48 AM	1052.2	
5/14/2009	10:09:48 AM	1093.3	
5/14/2009	10:10:48 AM	1156.7	
5/14/2009	10:11:48 AM	1166.3	
5/14/2009	10:12:48 AM	1104.1	
5/14/2009	10:13:48 AM	1126.2	
5/14/2009	10:14:48 AM	1226.1	
5/14/2009	10:15:48 AM	1202.5	
5/14/2009	10:16:48 AM	1174.2	
5/14/2009	10:17:48 AM	1153.5	
5/14/2009	10:18:48 AM	1205.1	
5/14/2009	10:19:00 AM	1208.0	
5/14/2009	10:20:00 AM	1170.9	
5/14/2009	10:21:00 AM	1192.6	
5/14/2009	10:22:00 AM	1275.8	
5/14/2009	10:23:00 AM	1576.7	
5/14/2009	10:24:00 AM	2067.7	
5/14/2009	10:25:00 AM	1977.9	
5/14/2009	10:26:00 AM	1946.6	
5/14/2009	10:27:00 AM	1749.7	
5/14/2009	10:28:00 AM	1621.1	
5/14/2009	10:29:00 AM	1492.8	
5/14/2009	10:30:00 AM	1442.8	**Start Washroom M25-5**
5/14/2009	10:31:00 AM	1370.8	
5/14/2009	10:32:00 AM	1311.3	
5/14/2009	10:33:00 AM	1237.6	
5/14/2009	10:34:00 AM	1234.0	
5/14/2009	10:35:00 AM	1154.8	
5/14/2009	10:36:00 AM	1060.7	
5/14/2009	10:37:00 AM	1043.6	
5/14/2009	10:38:00 AM	1019.6	
5/14/2009	10:39:00 AM	1094.6	
5/14/2009	10:40:00 AM	1054.8	
5/14/2009	10:41:00 AM	1010.1	
5/14/2009	10:42:00 AM	976.5	
5/14/2009	10:43:00 AM	923.6	
5/14/2009	10:44:00 AM	875.6	

5/14/2009	10:45:00 AM	837.4	
5/14/2009	10:46:00 AM	857.8	
5/14/2009	10:47:00 AM	812.1	
5/14/2009	10:48:00 AM	807.2	
5/14/2009	10:49:00 AM	802.2	
5/14/2009	10:50:00 AM	786.5	
5/14/2009	10:51:00 AM	782.2	
5/14/2009	10:52:00 AM	764.4	
5/14/2009	10:53:00 AM	759.2	
5/14/2009	10:54:00 AM	729.2	
5/14/2009	10:55:00 AM	794.0	
5/14/2009	10:56:00 AM	753.6	
5/14/2009	10:57:00 AM	657.6	
5/14/2009	10:58:00 AM	632.9	
5/14/2009	10:59:00 AM	690.4	
Average		**1108.7**	
			Recalibrating FIDS
5/14/2009	11:08:25 AM	779.6	
5/14/2009	11:08:25 AM	858.8	
5/14/2009	11:08:25 AM	844.7	
5/14/2009	11:08:25 AM	966.0	
5/14/2009	11:08:25 AM	832.8	
5/14/2009	11:08:25 AM	825.9	
5/14/2009	11:08:25 AM	926.9	
5/14/2009	11:08:25 AM	875.3	
5/14/2009	11:08:25 AM	955.8	
5/14/2009	11:08:25 AM	903.5	
5/14/2009	11:08:25 AM	918.0	
5/14/2009	11:08:25 AM	930.5	
5/14/2009	11:08:25 AM	842.0	
5/14/2009	11:08:25 AM	944.0	
5/14/2009	11:08:25 AM	963.1	
5/14/2009	11:08:25 AM	928.9	
5/14/2009	11:08:25 AM	837.1	
5/14/2009	11:08:25 AM	940.4	
5/14/2009	11:27:13 AM	956.2	
5/14/2009	11:28:13 AM	955.5	
5/14/2009	11:29:13 AM	804.2	
5/14/2009	11:30:13 AM	809.5	
Average		**920.7**	**End Washroom M25-5**
5/14/2009	11:30:31 AM	826.3	
5/14/2009	11:31:31 AM	823.3	
5/14/2009	11:32:31 AM	820.0	
5/14/2009	11:33:31 AM	864.1	
5/14/2009	11:34:31 AM	898.9	
5/14/2009	11:35:31 AM	872.0	
5/14/2009	11:36:31 AM	870.6	
5/14/2009	11:37:31 AM	875.3	

5/14/2009	11:38:31 AM	941.0
5/14/2009	11:39:31 AM	947.6
5/14/2009	11:40:31 AM	944.3
5/14/2009	11:41:31 AM	990.0
5/14/2009	11:42:31 AM	967.7
5/14/2009	11:43:31 AM	973.3
5/14/2009	11:44:31 AM	954.5
5/14/2009	11:45:31 AM	1058.4
5/14/2009	11:46:31 AM	1257.4
5/14/2009	11:47:31 AM	1222.5
5/14/2009	11:48:31 AM	1126.5
5/14/2009	11:49:31 AM	1112.4
5/14/2009	11:50:31 AM	1128.5
5/14/2009	11:51:31 AM	1090.3
5/14/2009	11:52:31 AM	1031.1
5/14/2009	11:53:31 AM	1037.7
5/14/2009	11:54:31 AM	984.1
5/14/2009	11:55:31 AM	928.2
5/14/2009	11:56:31 AM	927.9
5/14/2009	11:57:31 AM	933.8
5/14/2009	11:58:31 AM	893.7
5/14/2009	11:59:31 AM	871.0
5/14/2009	12:00:31 PM	844.7
5/14/2009	12:01:31 PM	914.1
5/14/2009	12:02:31 PM	906.8
5/14/2009	12:03:31 PM	861.1
5/14/2009	12:04:31 PM	859.5
5/14/2009	12:05:31 PM	830.5
5/14/2009	12:06:31 PM	838.4
5/14/2009	12:07:31 PM	846.0
5/14/2009	12:08:31 PM	802.9
5/14/2009	12:09:31 PM	836.4
5/14/2009	12:10:31 PM	821.7
5/14/2009	12:11:31 PM	798.6
5/14/2009	12:12:31 PM	812.4
5/14/2009	12:13:31 PM	787.8
5/14/2009	12:14:31 PM	817.7
5/14/2009	12:15:31 PM	803.9
5/14/2009	12:16:31 PM	801.9
5/14/2009	12:17:31 PM	794.7
5/14/2009	12:18:31 PM	788.8
5/14/2009	12:19:31 PM	846.6
5/14/2009	12:20:31 PM	828.2
5/14/2009	12:21:31 PM	851.6
5/14/2009	12:22:31 PM	840.1
5/14/2009	12:23:31 PM	854.5
5/14/2009	12:24:31 PM	823.6
5/14/2009	12:25:31 PM	977.5
5/14/2009	12:26:31 PM	890.1
5/14/2009	12:27:31 PM	919.3
5/14/2009	12:28:31 PM	930.5
5/14/2009	12:29:31 PM	981.8

5/14/2009	12:30:31 PM	930.5
5/14/2009	12:31:31 PM	957.5
5/14/2009	12:32:31 PM	1132.7
5/14/2009	12:33:31 PM	1029.5
5/14/2009	12:34:31 PM	1019.3
5/14/2009	12:35:31 PM	1006.8
5/14/2009	12:36:31 PM	1110.1
5/14/2009	12:37:31 PM	1057.1
5/14/2009	12:38:31 PM	1046.6
5/14/2009	12:39:31 PM	1172.2
5/14/2009	12:40:31 PM	1112.7
5/14/2009	12:41:31 PM	1184.4
5/14/2009	12:42:31 PM	1120.9
5/14/2009	12:43:31 PM	1086.7
5/14/2009	12:44:31 PM	1093.6
5/14/2009	12:45:31 PM	1052.8
5/14/2009	12:46:31 PM	1044.3
5/14/2009	12:47:31 PM	1031.8
5/14/2009	12:48:31 PM	1021.9
5/14/2009	12:49:31 PM	980.5
5/14/2009	12:50:31 PM	951.9
5/14/2009	12:51:31 PM	993.0
5/14/2009	12:52:31 PM	971.6
5/14/2009	12:53:31 PM	951.2
5/14/2009	12:54:31 PM	935.8
5/14/2009	12:55:31 PM	914.1
5/14/2009	12:56:31 PM	932.1
5/14/2009	12:57:31 PM	917.0
5/14/2009	12:58:31 PM	942.3
5/14/2009	12:59:31 PM	968.3
5/14/2009	1:00:31 PM	1012.4
5/14/2009	1:01:31 PM	1001.2
5/14/2009	1:02:31 PM	1017.0
5/14/2009	1:03:31 PM	1045.3
5/14/2009	1:04:31 PM	1040.3
5/14/2009	1:05:31 PM	1009.8
5/14/2009	1:06:31 PM	1021.6
5/14/2009	1:07:31 PM	1165.3
5/14/2009	1:08:31 PM	1244.6
5/14/2009	1:09:31 PM	1282.4
5/14/2009	1:10:31 PM	1327.1
5/14/2009	1:11:31 PM	1351.1
5/14/2009	1:12:31 PM	1342.2
5/14/2009	1:13:31 PM	1208.7
5/14/2009	1:14:31 PM	1188.0
5/14/2009	1:15:31 PM	1146.9
5/14/2009	1:16:31 PM	1074.2
5/14/2009	1:17:31 PM	1013.7
5/14/2009	1:18:31 PM	995.3
5/14/2009	1:19:31 PM	1067.0
5/14/2009	1:20:31 PM	941.4
5/14/2009	1:21:31 PM	906.2

5/14/2009	1:22:31 PM	884.8	
5/14/2009	1:23:31 PM	956.5	
5/14/2009	1:24:31 PM	859.1	
5/14/2009	1:25:31 PM	851.9	
5/14/2009	1:26:31 PM	848.9	
5/14/2009	1:27:31 PM	724.6	
5/14/2009	1:28:31 PM	798.0	
5/14/2009	1:29:31 PM	779.9	
5/14/2009	1:30:31 PM	782.5	
5/14/2009	1:31:31 PM	734.5	
5/14/2009	1:32:31 PM	684.5	
5/14/2009	1:33:31 PM	742.4	
5/14/2009	1:34:31 PM	712.5	
5/14/2009	1:35:31 PM	699.3	
5/14/2009	1:36:31 PM	701.0	
5/14/2009	1:37:31 PM	689.8	
5/14/2009	1:38:31 PM	681.6	
5/14/2009	1:39:31 PM	670.1	
5/14/2009	1:40:31 PM	724.0	
5/14/2009	1:41:31 PM	563.2	
5/14/2009	1:42:31 PM	663.1	
5/14/2009	1:43:31 PM	692.4	
5/14/2009	1:44:31 PM	700.0	
5/14/2009	1:45:31 PM	695.7	
5/14/2009	1:46:31 PM	677.3	
5/14/2009	1:47:31 PM	818.0	
5/14/2009	1:48:31 PM	738.5	
5/14/2009	1:49:31 PM	738.8	
5/14/2009	1:50:31 PM	946.0	
5/14/2009	1:51:31 PM	777.9	
5/14/2009	1:52:31 PM	800.6	
5/14/2009	1:53:31 PM	791.7	
5/14/2009	1:54:31 PM	1105.4	
5/14/2009	1:55:31 PM	884.1	
5/14/2009	1:56:31 PM	872.3	
5/14/2009	1:57:31 PM	1062.7	
5/14/2009	1:58:31 PM	1019.9	
5/14/2009	1:59:31 PM	1006.1	
5/14/2009	2:00:31 PM	1024.2	**Start Washroom M25-6**
5/14/2009	2:01:31 PM	1176.5	
5/14/2009	2:02:31 PM	1162.7	
5/14/2009	2:03:31 PM	1202.1	
5/14/2009	2:04:31 PM	1173.5	
5/14/2009	2:05:31 PM	1187.3	
5/14/2009	2:06:31 PM	1172.9	
5/14/2009	2:07:31 PM	1201.8	
5/14/2009	2:08:31 PM	1149.8	
5/14/2009	2:09:31 PM	1217.9	
5/14/2009	2:10:31 PM	1191.9	
5/14/2009	2:11:31 PM	1203.4	
5/14/2009	2:12:31 PM	1285.7	
5/14/2009	2:13:31 PM	1208.7	

5/14/2009	2:14:31 PM	1218.2	
5/14/2009	2:15:31 PM	1213.6	
5/14/2009	2:16:31 PM	1226.5	
5/14/2009	2:17:31 PM	1219.9	
5/14/2009	2:18:31 PM	1303.1	
5/14/2009	2:19:31 PM	1387.3	
5/14/2009	2:20:31 PM	1426.4	
5/14/2009	2:21:31 PM	1412.9	
5/14/2009	2:22:31 PM	1376.4	
5/14/2009	2:23:31 PM	1368.9	
5/14/2009	2:24:31 PM	1474.1	
5/14/2009	2:25:31 PM	934.8	**900 ppm Cal gas check**
5/14/2009	2:26:31 PM	1497.8	
5/14/2009	2:27:31 PM	1613.2	
5/14/2009	2:28:31 PM	1570.4	
5/14/2009	2:29:31 PM	1589.2	
5/14/2009	2:30:31 PM	1520.1	
5/14/2009	2:31:31 PM	1754.9	
5/14/2009	2:32:31 PM	2289.0	
5/14/2009	2:33:31 PM	1920.3	
5/14/2009	2:34:31 PM	1899.9	
5/14/2009	2:35:31 PM	1822.0	
5/14/2009	2:36:31 PM	1859.5	
5/14/2009	2:37:31 PM	1806.2	
5/14/2009	2:38:31 PM	1681.6	
5/14/2009	2:39:31 PM	1631.6	
5/14/2009	2:40:31 PM	1460.3	
5/14/2009	2:41:31 PM	1443.5	
5/14/2009	2:42:31 PM	1373.5	
5/14/2009	2:43:31 PM	1350.8	
5/14/2009	2:44:31 PM	1313.0	
5/14/2009	2:45:31 PM	1285.0	
5/14/2009	2:46:31 PM	1273.5	
5/14/2009	2:47:31 PM	1202.8	
5/14/2009	2:48:31 PM	1182.4	
5/14/2009	2:49:31 PM	1155.1	
5/14/2009	2:50:31 PM	1121.2	
5/14/2009	2:51:31 PM	1081.1	
5/14/2009	2:52:31 PM	1057.8	
5/14/2009	2:53:31 PM	1017.0	
5/14/2009	2:54:31 PM	979.5	
5/14/2009	2:55:31 PM	973.9	
5/14/2009	2:56:31 PM	951.5	
5/14/2009	2:57:31 PM	949.9	
5/14/2009	2:58:31 PM	946.3	
5/14/2009	2:59:31 PM	909.8	
5/14/2009	3:00:31 PM	782.5	
Average		**1324.2**	**End Washroom M25-6**

5/14/2009	3:01:31 PM	852.9
5/14/2009	3:02:31 PM	854.9
5/14/2009	3:03:31 PM	860.1
5/14/2009	3:04:31 PM	908.8
5/14/2009	3:05:31 PM	879.9
5/14/2009	3:06:31 PM	866.7
5/14/2009	3:07:31 PM	860.8
5/14/2009	3:08:31 PM	869.0
5/14/2009	3:09:31 PM	875.3
5/14/2009	3:10:31 PM	934.8
5/14/2009	3:11:31 PM	942.7
5/14/2009	3:12:31 PM	941.7
5/14/2009	3:13:31 PM	916.0
5/14/2009	3:14:31 PM	1031.1
5/14/2009	3:15:31 PM	987.7
5/14/2009	3:16:31 PM	988.7
5/14/2009	3:17:31 PM	1102.2
5/14/2009	3:18:31 PM	1059.7
5/14/2009	3:19:31 PM	1065.3
5/14/2009	3:20:31 PM	1039.7
5/14/2009	3:21:31 PM	1169.6
5/14/2009	3:22:31 PM	1113.3
5/14/2009	3:23:31 PM	1084.1
5/14/2009	3:24:31 PM	1210.0
5/14/2009	3:25:31 PM	1146.9
5/14/2009	3:26:31 PM	1217.3
5/14/2009	3:27:31 PM	1149.2
5/14/2009	3:28:31 PM	1149.8
5/14/2009	3:29:31 PM	1101.8
5/14/2009	3:30:31 PM	1141.6
5/14/2009	3:31:31 PM	1062.0
5/14/2009	3:32:31 PM	1098.2
5/14/2009	3:33:31 PM	1124.2
5/14/2009	3:34:31 PM	1081.4
5/14/2009	3:35:31 PM	1092.6
5/14/2009	3:36:31 PM	1111.4
5/14/2009	3:37:31 PM	1081.1
5/14/2009	3:38:31 PM	1098.2
5/14/2009	3:39:31 PM	1125.8
5/14/2009	3:40:31 PM	1086.0
5/14/2009	3:41:31 PM	1130.1
5/14/2009	3:42:31 PM	1158.1
5/14/2009	3:43:31 PM	1174.8
5/14/2009	3:44:31 PM	1112.4
5/14/2009	3:45:31 PM	1185.4
5/14/2009	3:46:31 PM	1279.4
5/14/2009	3:47:31 PM	1234.0
5/14/2009	3:48:31 PM	1173.5
5/14/2009	3:49:31 PM	1224.8
5/14/2009	3:50:31 PM	1220.9
5/14/2009	3:51:31 PM	1194.2
5/14/2009	3:52:31 PM	1178.5

5/14/2009	3:53:31 PM	1192.6	
5/14/2009	3:54:31 PM	1210.0	
5/14/2009	3:55:31 PM	1171.2	
5/14/2009	3:56:31 PM	1153.1	
5/14/2009	3:57:31 PM	1174.8	
5/14/2009	3:58:31 PM	1296.8	
5/14/2009	3:59:31 PM	1389.6	
5/14/2009	4:00:31 PM	1575.7	
5/14/2009	4:01:31 PM	1389.2	
5/14/2009	4:02:31 PM	1267.9	
5/14/2009	4:03:31 PM	1155.4	
5/14/2009	4:04:31 PM	1138.3	
5/14/2009	4:05:31 PM	1140.0	
5/14/2009	4:06:31 PM	1094.9	
5/14/2009	4:07:31 PM	1027.8	
5/14/2009	4:08:31 PM	962.1	
5/14/2009	4:09:31 PM	927.2	
5/14/2009	4:10:31 PM	915.7	
5/14/2009	4:11:31 PM	882.8	
5/14/2009	4:12:31 PM	829.5	
5/14/2009	4:13:31 PM	793.7	
5/14/2009	4:14:31 PM	750.6	
5/14/2009	4:15:31 PM	743.7	
5/14/2009	4:16:31 PM	720.7	
5/14/2009	4:17:31 PM	691.8	
5/14/2009	4:18:31 PM	639.8	
5/14/2009	4:19:31 PM	657.6	
5/14/2009	4:20:31 PM	625.0	
5/14/2009	4:21:31 PM	619.4	
5/14/2009	4:22:31 PM	597.0	
5/14/2009	4:23:31 PM	581.6	
5/14/2009	4:24:31 PM	553.3	
5/14/2009	4:25:31 PM	552.3	
5/14/2009	4:26:31 PM	526.0	
5/14/2009	4:27:31 PM	517.8	
5/14/2009	4:28:31 PM	501.4	
5/14/2009	4:29:31 PM	371.1	
5/14/2009	4:30:31 PM	444.5	**End Washroom TO-15-2**
5/14/2009	4:31:31 PM	473.4	
5/14/2009	4:32:31 PM	457.0	
5/14/2009	4:33:31 PM	459.9	
5/14/2009	4:34:31 PM	449.4	
5/14/2009	4:35:31 PM	445.4	
5/14/2009	4:36:31 PM	425.7	
5/14/2009	4:37:31 PM	428.7	
5/14/2009	4:38:31 PM	417.8	
5/14/2009	4:39:31 PM	292.5	
5/14/2009	4:40:31 PM	288.3	
5/14/2009	4:41:31 PM	283.0	
5/14/2009	4:42:31 PM	281.0	
5/14/2009	4:43:31 PM	284.0	
5/14/2009	4:44:31 PM	273.1	

5/14/2009	4:45:31 PM	309.0	
5/14/2009	4:46:31 PM	385.9	
5/14/2009	4:47:31 PM	380.7	
5/14/2009	4:48:31 PM	379.3	
5/14/2009	4:49:31 PM	375.7	
5/14/2009	4:50:31 PM	364.9	
5/14/2009	4:51:31 PM	371.8	
5/14/2009	4:52:31 PM	372.8	
5/14/2009	4:53:31 PM	370.8	
5/14/2009	4:54:31 PM	361.9	
5/14/2009	4:55:31 PM	364.2	
5/14/2009	4:56:31 PM	356.7	
5/14/2009	4:57:31 PM	358.6	
Average		**878.6**	**End of Daytime Monitoring Peri**
5/14/2009	4:58:31 PM	156.4	**calibration checks**
5/14/2009	4:59:31 PM	134.7	
5/14/2009	5:00:31 PM	131.7	
5/14/2009	5:01:31 PM	115.0	
5/14/2009	5:02:31 PM	90.3	
5/14/2009	5:03:31 PM	88.3	
5/14/2009	5:04:32 PM	86.3	
5/14/2009	5:05:32 PM	816.4	
5/14/2009	5:06:32 PM	315.6	
5/14/2009	5:07:32 PM	320.5	
5/14/2009	5:08:32 PM	316.5	
5/14/2009	5:09:32 PM	312.9	
5/14/2009	5:10:32 PM	308.3	
5/14/2009	5:11:32 PM	312.3	
5/14/2009	5:12:32 PM	305.4	
5/14/2009	5:13:32 PM	307.3	
5/14/2009	5:14:32 PM	298.1	
5/14/2009	5:15:32 PM	303.7	
5/14/2009	5:18:56 PM	55.9	
5/14/2009	5:18:56 PM	59.3	
5/14/2009	5:18:56 PM	50.7	
5/14/2009	5:18:56 PM	47.8	
5/14/2009	5:18:56 PM	54.7	
5/14/2009	5:18:56 PM	54.8	
5/14/2009	5:18:56 PM	52.6	
5/14/2009	5:18:56 PM	186.1	
5/14/2009	5:18:56 PM	170.4	
5/14/2009	5:18:56 PM	52.4	
5/14/2009	5:18:56 PM	265.5	
5/14/2009	5:18:56 PM	901.3	
5/14/2009	5:18:56 PM	-11.8	
5/14/2009	5:18:56 PM	215.9	
5/14/2009	5:18:56 PM	219.0	
5/14/2009	5:18:56 PM	220.0	

5/14/2009	5:18:56 PM	219.8	
5/14/2009	5:18:56 PM	474.6	
5/14/2009	5:18:56 PM	265.2	
5/14/2009	5:18:56 PM	209.6	
5/14/2009	5:18:56 PM	467.7	
5/14/2009	5:18:56 PM	196.7	
5/14/2009	5:18:56 PM	203.9	
5/14/2009	5:18:56 PM	193.8	
5/14/2009	5:18:56 PM	195.5	
5/14/2009	5:44:32 PM	199.4	**Washroom back on-line**
5/14/2009	5:44:33 PM	196.7	**Start of Night Time Monitoring**
5/14/2009	5:45:33 PM	190.5	
5/14/2009	5:46:33 PM	191.5	
5/14/2009	5:47:33 PM	190.6	
5/14/2009	5:48:33 PM	190.1	
5/14/2009	5:49:33 PM	186.2	
5/14/2009	5:50:33 PM	188.5	
5/14/2009	5:51:33 PM	185.7	
5/14/2009	5:52:33 PM	180.9	
5/14/2009	5:53:33 PM	184.5	
5/14/2009	5:54:33 PM	183.3	
5/14/2009	5:55:33 PM	183.3	
5/14/2009	5:56:33 PM	180.4	
5/14/2009	5:57:33 PM	183.3	
5/14/2009	5:58:33 PM	178.6	
5/14/2009	5:59:33 PM	177.7	
5/14/2009	6:00:33 PM	175.5	
5/14/2009	6:01:33 PM	172.2	
5/14/2009	6:02:33 PM	171.2	
5/14/2009	6:03:33 PM	174.6	
5/14/2009	6:04:33 PM	170.7	
5/14/2009	6:05:33 PM	168.9	
5/14/2009	6:06:33 PM	170.6	
5/14/2009	6:07:33 PM	167.0	
5/14/2009	6:08:33 PM	169.0	
5/14/2009	6:09:33 PM	169.2	
5/14/2009	6:10:33 PM	169.3	
5/14/2009	6:11:33 PM	171.7	
5/14/2009	6:12:33 PM	170.1	
5/14/2009	6:13:33 PM	168.6	
5/14/2009	6:14:33 PM	168.7	
5/14/2009	6:15:33 PM	166.6	
5/14/2009	6:16:33 PM	166.5	
5/14/2009	6:17:33 PM	164.0	
5/14/2009	6:18:33 PM	163.9	
5/14/2009	6:19:33 PM	165.2	
5/14/2009	6:20:33 PM	164.2	
5/14/2009	6:21:33 PM	164.6	
5/14/2009	6:22:33 PM	163.4	
5/14/2009	6:23:33 PM	160.4	
5/14/2009	6:24:33 PM	164.4	

5/14/2009	6:25:33 PM	159.7
5/14/2009	6:26:33 PM	162.3
5/14/2009	6:27:33 PM	162.4
5/14/2009	6:28:33 PM	161.3
5/14/2009	6:29:33 PM	160.3
5/14/2009	6:30:33 PM	163.1
5/14/2009	6:31:33 PM	164.2
5/14/2009	6:32:33 PM	161.3
5/14/2009	6:33:33 PM	160.0
5/14/2009	6:34:33 PM	157.5
5/14/2009	6:35:33 PM	157.0
5/14/2009	6:36:33 PM	154.9
5/14/2009	6:37:33 PM	156.6
5/14/2009	6:38:33 PM	154.3
5/14/2009	6:39:33 PM	153.1
5/14/2009	6:40:33 PM	0.0
5/14/2009	6:41:33 PM	0.0
5/14/2009	6:42:33 PM	0.0
5/14/2009	6:43:33 PM	0.0
5/14/2009	6:44:33 PM	0.0
5/14/2009	6:45:33 PM	0.0
5/14/2009	6:46:33 PM	0.0
5/14/2009	6:47:33 PM	147.1
5/14/2009	6:48:33 PM	0.0
5/14/2009	6:49:33 PM	145.5
5/14/2009	6:50:33 PM	145.0
5/14/2009	6:51:33 PM	144.7
5/14/2009	6:52:33 PM	145.1
5/14/2009	6:53:33 PM	141.6
5/14/2009	6:54:33 PM	142.9
5/14/2009	6:55:33 PM	144.4
5/14/2009	6:56:33 PM	142.3
5/14/2009	6:57:33 PM	142.7
5/14/2009	6:58:33 PM	142.8
5/14/2009	6:59:33 PM	142.9
5/14/2009	7:00:33 PM	139.4
5/14/2009	7:01:33 PM	142.3
5/14/2009	7:02:33 PM	139.6
5/14/2009	7:03:33 PM	142.6
5/14/2009	7:04:33 PM	141.5
5/14/2009	7:05:33 PM	147.3
5/14/2009	7:06:33 PM	145.1
5/14/2009	7:07:33 PM	139.1
5/14/2009	7:08:33 PM	138.4
5/14/2009	7:09:33 PM	139.4
5/14/2009	7:10:33 PM	140.0
5/14/2009	7:11:33 PM	140.4
5/14/2009	7:12:33 PM	135.7
5/14/2009	7:13:33 PM	134.9
5/14/2009	7:14:33 PM	135.3

5/14/2009	7:15:33 PM	138.4
5/14/2009	7:16:33 PM	137.4
5/14/2009	7:17:33 PM	136.6
5/14/2009	7:18:33 PM	132.2
5/14/2009	7:19:33 PM	130.4
5/14/2009	7:20:33 PM	130.5
5/14/2009	7:21:33 PM	133.4
5/14/2009	7:22:33 PM	132.5
5/14/2009	7:23:33 PM	131.3
5/14/2009	7:24:33 PM	130.8
5/14/2009	7:25:33 PM	133.5
5/14/2009	7:26:33 PM	131.2
5/14/2009	7:27:33 PM	133.2
5/14/2009	7:28:33 PM	132.9
5/14/2009	7:29:33 PM	132.2
5/14/2009	7:30:33 PM	129.1
5/14/2009	7:31:33 PM	132.4
5/14/2009	7:32:33 PM	131.0
5/14/2009	7:33:33 PM	128.4
5/14/2009	7:34:33 PM	130.2
5/14/2009	7:35:33 PM	129.1
5/14/2009	7:36:33 PM	128.5
5/14/2009	7:37:33 PM	126.6
5/14/2009	7:38:33 PM	127.3
5/14/2009	7:39:33 PM	124.8
5/14/2009	7:40:33 PM	127.5
5/14/2009	7:41:33 PM	130.2
5/14/2009	7:42:33 PM	128.5
5/14/2009	7:43:33 PM	126.2
5/14/2009	7:44:33 PM	127.1
5/14/2009	7:45:33 PM	126.7
5/14/2009	7:46:33 PM	124.5
5/14/2009	7:47:33 PM	124.0
5/14/2009	7:48:33 PM	124.3
5/14/2009	7:49:33 PM	124.3
5/14/2009	7:50:33 PM	123.9
5/14/2009	7:51:33 PM	124.7
5/14/2009	7:52:33 PM	125.1
5/14/2009	7:53:33 PM	124.0
5/14/2009	7:54:33 PM	124.3
5/14/2009	7:55:33 PM	122.6
5/14/2009	7:56:33 PM	123.1
5/14/2009	7:57:33 PM	121.0
5/14/2009	7:58:33 PM	124.0
5/14/2009	7:59:33 PM	121.0
5/14/2009	8:00:33 PM	124.1
5/14/2009	8:01:33 PM	120.7
5/14/2009	8:02:33 PM	122.8
5/14/2009	8:03:33 PM	120.7
5/14/2009	8:04:33 PM	118.2
5/14/2009	8:05:33 PM	119.0
5/14/2009	8:06:33 PM	121.8

5/14/2009	8:07:33 PM	122.0
5/14/2009	8:08:33 PM	120.1
5/14/2009	8:09:33 PM	120.2
5/14/2009	8:10:33 PM	120.8
5/14/2009	8:11:33 PM	119.2
5/14/2009	8:12:33 PM	118.0
5/14/2009	8:13:33 PM	120.8
5/14/2009	8:14:33 PM	121.4
5/14/2009	8:15:33 PM	119.3
5/14/2009	8:16:33 PM	119.5
5/14/2009	8:17:33 PM	116.1
5/14/2009	8:18:33 PM	117.4
5/14/2009	8:19:33 PM	120.8
5/14/2009	8:20:33 PM	119.0
5/14/2009	8:21:33 PM	120.9
5/14/2009	8:22:33 PM	119.0
5/14/2009	8:23:33 PM	119.5
5/14/2009	8:24:33 PM	116.3
5/14/2009	8:25:33 PM	116.9
5/14/2009	8:26:33 PM	118.9
5/14/2009	8:27:33 PM	118.9
5/14/2009	8:28:33 PM	115.7
5/14/2009	8:29:33 PM	117.5
5/14/2009	8:30:33 PM	116.1
5/14/2009	8:31:33 PM	115.9
5/14/2009	8:32:33 PM	115.5
5/14/2009	8:33:33 PM	115.3
5/14/2009	8:34:33 PM	113.3
5/14/2009	8:35:33 PM	114.4
5/14/2009	8:36:33 PM	114.6
5/14/2009	8:37:33 PM	116.1
5/14/2009	8:38:33 PM	113.6
5/14/2009	8:39:33 PM	111.2
5/14/2009	8:40:33 PM	114.1
5/14/2009	8:41:28 PM	110.9
5/14/2009	8:42:28 PM	112.3
5/14/2009	8:43:28 PM	111.9
5/14/2009	8:44:28 PM	113.1
5/14/2009	8:45:28 PM	111.1
5/14/2009	8:46:28 PM	113.4
5/14/2009	8:47:28 PM	114.6
5/14/2009	8:48:28 PM	116.6
5/14/2009	8:49:28 PM	112.9
5/14/2009	8:49:37 PM	109.8
5/14/2009	8:50:37 PM	111.2
5/14/2009	8:51:37 PM	109.6
5/14/2009	8:52:37 PM	112.1
5/14/2009	8:53:37 PM	111.9
5/14/2009	8:54:37 PM	110.0
5/14/2009	8:55:37 PM	112.1
5/14/2009	8:56:37 PM	110.9
5/14/2009	8:57:37 PM	112.4

5/14/2009	8:58:37 PM	111.5
5/14/2009	8:59:37 PM	109.8
5/14/2009	9:00:37 PM	111.6
5/14/2009	9:01:37 PM	107.2
5/14/2009	9:02:37 PM	110.5
5/14/2009	9:03:37 PM	105.3
5/14/2009	9:04:37 PM	105.5
5/14/2009	9:05:37 PM	108.1
5/14/2009	9:06:37 PM	105.0
5/14/2009	9:07:37 PM	108.3
5/14/2009	9:08:37 PM	106.3
5/14/2009	9:09:37 PM	107.7
5/14/2009	9:10:37 PM	107.6
5/14/2009	9:11:37 PM	104.8
5/14/2009	9:12:37 PM	104.4
5/14/2009	9:13:37 PM	102.8
5/14/2009	9:14:37 PM	101.9
5/14/2009	9:15:37 PM	103.2
5/14/2009	9:16:37 PM	-44.7
5/14/2009	9:17:37 PM	92.2
5/14/2009	9:18:37 PM	145.1
5/14/2009	9:19:37 PM	146.6
5/14/2009	9:20:37 PM	144.9
5/14/2009	9:21:37 PM	146.4
5/14/2009	9:22:37 PM	149.7
5/14/2009	9:23:37 PM	55.6
5/14/2009	9:24:37 PM	17.4
5/14/2009	9:25:37 PM	922.3
5/14/2009	9:26:37 PM	91.7
5/14/2009	9:27:37 PM	105.3
5/14/2009	9:28:37 PM	105.7
5/14/2009	9:29:37 PM	101.9
5/14/2009	9:30:37 PM	103.4
5/14/2009	9:31:37 PM	100.6
5/14/2009	9:32:37 PM	99.4
5/14/2009	9:33:37 PM	98.7
5/14/2009	9:34:37 PM	99.3
5/14/2009	9:35:37 PM	99.6
5/14/2009	9:36:37 PM	99.6
5/14/2009	9:37:37 PM	98.7
5/14/2009	9:38:37 PM	100.9
5/14/2009	9:39:37 PM	99.1
5/14/2009	9:40:37 PM	97.0
5/14/2009	9:41:37 PM	97.9
5/14/2009	9:42:37 PM	98.5
5/14/2009	9:43:37 PM	100.0
5/14/2009	9:44:37 PM	96.6

5/14/2009	9:45:37 PM	98.4
5/14/2009	9:46:37 PM	97.7
5/14/2009	9:47:37 PM	95.8
5/14/2009	9:48:37 PM	99.9
5/14/2009	9:49:37 PM	98.4
5/14/2009	9:50:37 PM	99.5
5/14/2009	9:51:37 PM	99.3
5/14/2009	9:52:37 PM	99.5
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5/15/2009	5:24:37 AM	78.3
5/15/2009	5:25:37 AM	78.0
5/15/2009	5:26:37 AM	79.6
5/15/2009	5:27:37 AM	79.2
5/15/2009	5:28:37 AM	79.0
5/15/2009	5:29:37 AM	76.6
5/15/2009	5:30:37 AM	77.6
5/15/2009	5:31:37 AM	78.8
5/15/2009	5:32:37 AM	78.1

5/15/2009	5:33:37 AM	79.4
5/15/2009	5:34:37 AM	79.0
5/15/2009	5:35:37 AM	80.0
5/15/2009	5:36:37 AM	78.4
5/15/2009	5:37:37 AM	78.6
5/15/2009	5:38:37 AM	79.8
5/15/2009	5:39:37 AM	81.1
5/15/2009	5:40:37 AM	81.7
5/15/2009	5:41:37 AM	78.6
5/15/2009	5:42:37 AM	79.9
5/15/2009	5:43:37 AM	79.1
5/15/2009	5:44:37 AM	81.1
5/15/2009	5:45:37 AM	82.0
5/15/2009	5:46:37 AM	81.9
5/15/2009	5:47:37 AM	83.0
5/15/2009	5:48:37 AM	85.3
5/15/2009	5:49:37 AM	82.2
5/15/2009	5:50:37 AM	84.1
5/15/2009	5:51:37 AM	84.4
5/15/2009	5:52:37 AM	84.4
5/15/2009	5:53:37 AM	83.5
5/15/2009	5:54:37 AM	85.0
5/15/2009	5:55:37 AM	82.2
5/15/2009	5:56:37 AM	85.3
5/15/2009	5:57:37 AM	83.2
5/15/2009	5:58:37 AM	84.9
5/15/2009	5:59:37 AM	82.1
5/15/2009	6:00:37 AM	83.3
5/15/2009	6:01:37 AM	83.1
5/15/2009	6:02:37 AM	83.3
5/15/2009	6:03:37 AM	83.8
5/15/2009	6:04:37 AM	84.6
5/15/2009	6:05:37 AM	82.5
5/15/2009	6:06:37 AM	81.5
5/15/2009	6:07:37 AM	83.8
5/15/2009	6:08:37 AM	83.8
5/15/2009	6:09:37 AM	84.0
5/15/2009	6:10:37 AM	82.4
5/15/2009	6:11:37 AM	84.9
5/15/2009	6:12:37 AM	83.9
5/15/2009	6:13:37 AM	81.7
5/15/2009	6:14:37 AM	81.2
5/15/2009	6:15:37 AM	82.4
5/15/2009	6:16:37 AM	82.7
5/15/2009	6:17:37 AM	81.1
5/15/2009	6:18:37 AM	84.2
5/15/2009	6:19:37 AM	83.4
5/15/2009	6:20:37 AM	83.3
5/15/2009	6:21:37 AM	83.3
5/15/2009	6:22:37 AM	84.0
5/15/2009	6:23:37 AM	83.8
5/15/2009	6:24:37 AM	82.4

5/15/2009	6:25:37 AM	82.3
5/15/2009	6:26:37 AM	83.5
5/15/2009	6:27:37 AM	87.8
5/15/2009	6:28:37 AM	91.7
5/15/2009	6:29:37 AM	96.9
5/15/2009	6:30:37 AM	103.5
5/15/2009	6:31:37 AM	112.9
5/15/2009	6:32:37 AM	116.7
5/15/2009	6:33:37 AM	118.3
5/15/2009	6:34:37 AM	125.2
5/15/2009	6:35:37 AM	130.7
5/15/2009	6:36:37 AM	139.7
5/15/2009	6:37:37 AM	139.6
5/15/2009	6:38:37 AM	142.1
5/15/2009	6:39:37 AM	141.0
5/15/2009	6:40:37 AM	146.2
5/15/2009	6:41:37 AM	144.7
5/15/2009	6:42:37 AM	145.0
5/15/2009	6:43:37 AM	149.6
5/15/2009	6:44:37 AM	155.4
5/15/2009	6:45:37 AM	165.3
5/15/2009	6:46:37 AM	168.0
5/15/2009	6:47:37 AM	163.6
5/15/2009	6:48:37 AM	168.6
5/15/2009	6:49:37 AM	172.5
5/15/2009	6:50:37 AM	170.3
5/15/2009	6:51:37 AM	172.6
5/15/2009	6:52:37 AM	164.0
5/15/2009	6:53:37 AM	161.8
5/15/2009	6:54:37 AM	159.0
5/15/2009	6:55:37 AM	160.2
5/15/2009	6:56:37 AM	155.2
5/15/2009	6:57:37 AM	154.4
5/15/2009	6:58:37 AM	153.4
5/15/2009	6:59:37 AM	153.0
5/15/2009	7:00:37 AM	150.2
5/15/2009	7:01:37 AM	152.0
5/15/2009	7:02:37 AM	150.2
5/15/2009	7:03:37 AM	153.3
5/15/2009	7:04:37 AM	152.6
5/15/2009	7:05:37 AM	154.5
5/15/2009	7:06:37 AM	153.5
5/15/2009	7:07:37 AM	152.8
5/15/2009	7:08:37 AM	155.1
5/15/2009	7:09:37 AM	154.7
5/15/2009	7:10:37 AM	151.5
5/15/2009	7:11:37 AM	150.2
5/15/2009	7:12:37 AM	153.7
5/15/2009	7:13:37 AM	151.4
5/15/2009	7:14:37 AM	152.6
5/15/2009	7:15:37 AM	153.1

Average		**102.8**	**End Nighttime Monitoring**

5/15/2009	7:16:37 AM	148.7
5/15/2009	7:17:37 AM	148.0
5/15/2009	7:18:37 AM	148.4
5/15/2009	7:19:37 AM	143.5
5/15/2009	7:20:37 AM	144.8
5/15/2009	7:21:37 AM	143.3
5/15/2009	7:22:37 AM	139.3
5/15/2009	7:23:37 AM	141.2
5/15/2009	7:24:37 AM	144.2
5/15/2009	7:25:37 AM	139.1
5/15/2009	7:26:37 AM	135.3
5/15/2009	7:27:37 AM	132.2
5/15/2009	7:28:37 AM	136.6
5/15/2009	7:29:37 AM	132.9
5/15/2009	7:30:37 AM	129.7
5/15/2009	7:31:37 AM	134.0
5/15/2009	7:32:37 AM	134.6
5/15/2009	7:33:37 AM	138.9
5/15/2009	7:34:37 AM	142.4
5/15/2009	7:35:37 AM	139.9
5/15/2009	7:36:37 AM	133.4
5/15/2009	7:37:37 AM	132.7
5/15/2009	7:38:37 AM	142.4
5/15/2009	7:39:37 AM	140.8
5/15/2009	7:40:37 AM	137.3
5/15/2009	7:41:37 AM	123.2
5/15/2009	7:42:37 AM	107.0
5/15/2009	7:43:37 AM	103.0
5/15/2009	7:44:37 AM	12.5
5/15/2009	7:45:37 AM	7.1
5/15/2009	7:46:37 AM	874.1
5/15/2009	7:47:37 AM	9.9
5/15/2009	7:48:37 AM	36.4
5/15/2009	7:49:37 AM	24.9
5/15/2009	7:50:37 AM	37.8
5/15/2009	7:51:37 AM	6.5
5/15/2009	7:52:37 AM	8.1
5/15/2009	7:53:37 AM	2.2
5/15/2009	7:54:37 AM	2.2
5/15/2009	7:55:37 AM	7.0
5/15/2009	7:56:37 AM	6.3
5/15/2009	7:57:37 AM	6.6
5/15/2009	7:58:37 AM	3.8
5/15/2009	7:59:37 AM	-86.8

Method 25 Sampling Data

Facility: G+K
Location: washroom vent
Date: 5-13-09

Run Number: washroom - 1
Operator: AC

Tank Number: 201
Trap Number: AJK

Sample ID: WR - 1

	Tank Vacuum		Barometric Pressure (mmHg)	Ambient Temperature (°C)
	Manometer (mmHg) PP	Gauge (inHg)		
Pretest	~~30.11~~ 30.07		30.60	65
Post-test	17.35		30.60	69

Pretest Leak Rate (mmHg/10 minutes):	Initial Vacuum	Final Vacuum	Diffence
	28.00	27.83	0.17" → 4.32mm ~~(<8 mmHg)~~
	06:50	07:00	

60 minute canister leak check successfully performed ✓

Traps positioned on dry ice for a minimum of 30 minutes ✓

Sampling train purged @ 80 cc/min for 10 minutes ✓

Temperatures maintained for a minimum of 30 minutes ✓

Clock Time	Elapsed Time	Gauge Vacuum (inHg)	Flowmeter Setting (ml/min)	Probe Temperature (°C)	Box Temperature (°C)
0900	0	30.0	60	127	119
	5	29.5	60	127	119
	10	29.0	60	127	119
	15	28.0	60	127	119
	20	27.0	60	127	119
	25	26.0	60	127	119
	30	25.0	60	127	119
	35	~~24~~ 23.5	60	127	119
	40	22.0	60	127	119
	45	21.0	60	127	119
	50	20.0	60	127	119
	55	19.0	60	127	119
10:00	60	18.0	60	127	119

TRC Environmental

Method 25 Sampling Data

Facility: G+K

Location: wash room vent

Date: 5-13-09

Run Number: WR-2

Operator: AC

Tank Number: 165

Trap Number: BAB

Sample ID: WR-2

	Tank Vacuum		Barometric Pressure (mmHg)	Ambient Temperature (°C)
	Manometer (mmHg)	Gauge (inHg)		
Pretest		30.00 LP	30.60	70
Post-test		12.04	30.60	75

Pretest Leak Rate (mmHg/10 minutes):	Initial Vacuum	Final Vacuum	Diffence	
	19.60	19.47	-.13	(< 8 mmHg)
	10:25	1035		

60 minute canister leak check successfully performed ✓

Traps positioned on dry ice for a minimum of 30 minutes

Sampling train purged @ 80 cc/min for 10 minutes

Temperatures maintained for a minimum of 30 minutes ✓

On ice @ 1030 LP

Clock Time	Elapsed Time	Gauge Vacuum (inHg)	Flowmeter Setting (ml/min)	Probe Temperature (°C)	Box Temperature (°C)
1140	0	30.0	90	127	119
	5	29.0	90	127	119
	10	28.0	90	127	119
	15	26.5	90	127	119
	20	25.0	90	127	119
	25	23.5	90	127	119
1210	30	22.0	90	127	119
	35	20.0	90	127	119
	40	18.5	90	127	119
	45	17.0	90	127	119
	50	16.0	90	127	119
	55	14.5	90	127	119
1240	60	13.0	90	127	119

TRC Environmental

Method 25 Sampling Data

Facility: G+K

Location: washroom

Date: 5-13-09

Run Number: WR-3

Operator: AC

Tank Number: 117

Trap Number: LA

Sample ID:

	Tank Vacuum		Barometric Pressure (mmHg)	Ambient Temperature (°C)
	Manometer (mmHg)	Gauge (inHg)		
Pretest		29.90	30.60	75
Post-test		12.12	30.60	77

Pretest Leak Rate (mmHg/10 minutes): Initial Vacuum 18.40 (1300) Final Vacuum 18.28 Diffence -0.12 ~~(< 8 mmHg)~~

60 minute canister leak check successfully performed ✓

Traps positioned on dry ice for a minimum of 30 minutes ✓

Sampling train purged @ 80 cc/min for 10 minutes ✓

Temperatures maintained for a minimum of 30 minutes ✓

Clock Time	Elapsed Time	Gauge Vacuum (inHg)	Flowmeter Setting (ml/min)	Probe Temperature (°C)	Box Temperature (°C)
1330	0	29	90	127	119
	5	29	90	127	119
	10	28.5	90	127	119
	15	27.0	90	127	119
	20	25.0	90	127	119
	25	24.0	90	127	119
1400	30	22.0	90	127	119
	35	20.5	90	127	119
	40	19.0	90	127	119
	45	17.5	90	127	119
	50	16.0	90	127	119
	55	14.5	90	127	119
1430	60	13.0	90	127	119

TRC Environmental

Method 25 Sampling Data

Facility: G+K
Location: washroom
Date: 5-14-09

Run Number: WR-4
Operator: AC

Tank Number: 184
Trap Number: AXD

Sample ID: WR-4

	Tank Vacuum		Barometric Pressure (mmHg)	Ambient Temperature (°C)
	Manometer (mmHg)	Gauge (inHg)		
Pretest		30.10	30.36	69
Post-test		11.70	30.36	71

Pretest Leak Rate (mmHg/10 minutes):	Initial Vacuum	Final Vacuum	Diffence
	21.35	21.09	-.26
	0625	0635	

~~(< 8 mmHg)~~

60 minute canister leak check successfully performed ✓
Traps positioned on dry ice for a minimum of 30 minutes ✓
Sampling train purged @ 80 cc/min for 10 minutes
Temperatures maintained for a minimum of 30 minutes ✓

Clock Time	Elapsed Time	Gauge Vacuum (inHg)	Flowmeter Setting (ml/min)	Probe Temperature (°C)	Box Temperature (°C)
840	0	~~28~~ 30	90	127	119
	5	29	90	127	119
	10	28	90	127	119
	15	26.5	90	127	119
	20	25.0	90	127	119
	25	23.5	90	127	119
	30	22.0	90	127	119
	35	20.5	90	127	119
	40	18.5	90	127	119
	45	17.0	90	127	119
	50	~~16~~ 15.5	90	127	119
	55	14.0	90	127	119
940	60	12.5	90	127	119

TRC Environmental

Method 25 Sampling Data

Facility: G+K
Location: Washroom
Date: 5-14-09

Run Number: WR-5
Operator: AC

Tank Number: 103
Trap Number: E5

Sample ID: WR-5

	Tank Vacuum		Barometric Pressure (mmHg)	Ambient Temperature (°C)
	Manometer (mmHg)	Gauge (inHg)		
Pretest		30.09	30.36	69
Post-test		11.51	30.36	66

Pretest Leak Rate (mmHg/10 minutes):	Initial Vacuum	Final Vacuum	Diffence
	19.15	18.99	0.16"
	10:00	10:10	

(~~<8 mmHg~~)

60 minute canister leak check successfully performed ✓

Traps positioned on dry ice for a minimum of 30 minutes ✓

Sampling train purged @ 80 cc/min for 10 minutes ✓

Temperatures maintained for a minimum of 30 minutes ✓

Clock Time	Elapsed Time	Gauge Vacuum (inHg)	Flowmeter Setting (ml/min)	Probe Temperature (°C)	Box Temperature (°C)
1030	0	29.5	90	127	119
	5	29.0	90	127	119
	10	28.0	90	127	119
	15	27.0	90	127	119
	20	25.5	90	127	119
	25	24.0	90	127	119
1100	30	22.0	90	127	119
	35	20.5	90	127	119
	40	18.5	90	127	119
	45	17.0	90	127	119
	50	15.5	90	127	119
	55	14.0	90	127	119
1130	60	12.0	90	127	119

TRC Environmental

Method 25 Sampling Data

Facility: G+K

Location: WRoom

Date: 5-14-09

Run Number: WR-6

Operator: AC

Tank Number: 138

Trap Number: NA

Sample ID: WR-6

	Tank Vacuum		Barometric Pressure (mmHg)	Ambient Temperature (°C)
	Manometer (mmHg)	Gauge (inHg)		
Pretest		30.05	30.36	64
Post-test		9.33	30.36	62

Pretest Leak Rate (mmHg/10 minutes):	Initial Vacuum	Final Vacuum	Diffence
	28.85 1330	28.53 1340	±0.32

(~~<8mmHg~~)

60 minute canister leak check successfully performed ✓

Traps positioned on dry ice for a minimum of 30 minutes ✓

Sampling train purged @ 80 cc/min for 10 minutes ✓

Temperatures maintained for a minimum of 30 minutes ✓

Clock Time	Elapsed Time	Gauge Vacuum (inHg)	Flowmeter Setting (ml/min)	Probe Temperature (°C)	Box Temperature (°C)
1400	0	29.0	90	127	119
	5	28.0	90	127	119
	10	27.0	90	127	119
	15	26.0	90	127	119
	20	24.0	90	127	119
	25	22.5	90	127	119
1430	30	20.5	90	127	119
	35	18.5	90	127	119
	40	17.0	90	127	119
	45	15.0	90	127	119
	50	13.0	90	127	119
	55	11.5	90	127	119
1500	60	10.0	90	127	119

TRC Environmental

Method TO-15 Sampling Data

Facility: GTH

Location: washroom vent

Date: 5·13·09

Run Number: WR 1

Operator: Alex Canora

Tank Number: 00454

Sample ID: WR1

	Tank Vacuum		Barometric Pressure (mmHg)	Ambient Temperature (°F)
	Manometer (mmHg)	Gauge (inHg)		
Pretest	30.11		30.60	~~74~~ 68
Post-test	~~12.04~~ RP 3.98		30.60	~~75~~ 73

Clock Time	Elapsed Time	Gauge Vacuum (in Hg)
0900	0	30.00
	~~10~~ 30	28.40
1000	~~20~~ 60	25.80
	~~30~~ 90	23.00
1100	~~40~~ 120	19.70
	~~50~~ 150	18.00
1200	~~60~~ 180	15.90
	~~70~~ 210	14.00
1300	~~80~~ 240	12.10
	~~90~~ 270	10.50
1400	~~100~~ 300	9.0
	~~110~~ 330	7.5
1500	~~120~~ 360	5.5
1630	~~390~~	4.0
	~~420~~	
	~~450~~	
	~~480~~	
	~~510~~	
	~~540~~	

TRC Environmental

Method TO-15 Sampling Data

Facility: G+K

Location: Washroom Vent

Date: ~~5-13-09~~ 5-14-09 MP

Run Number: WR-2

Operator: AC

Tank Number: 00275

Sample ID: WR-2

	Tank Vacuum		Barometric Pressure (mmHg)	Ambient Temperature (°F)
	Manometer (mmHg)	Gauge (inHg)		
Pretest		30.10	30.36	69
Post-test		3.12		62

Clock Time	Elapsed Time	Gauge Vacuum (in Hg)
830	0	31.0
	~~10~~ 60	25.7
1030	~~20~~ 120	21.1
	~~30~~ 180	16.4
~~1030~~ 1230	~~40~~ 240	12.0
	~~50~~ 300	9.3
1430	~~60~~ 360	7.0
	~~70~~ 420	4.9
~~1230~~ 1630	~~80~~ 480	2.4
	~~90~~	
	~~100~~	
	~~110~~	
	~~120~~	

TRC Environmental

Wash Room Stack-Shop Towels
G&K Services

Run No.	**1**	**2**	**3**	
Date:	**13-May-09**	**13-May-09**	**13-May-09**	
Start Time	**09:42**	**15:15**	**16:44**	
Stop Time	**11:07**	**15:20**	**16:52**	**AVERAGES**
Net Sampling Time, (minutes)	65.0	60.0	60.0	61.7
Volume of Gas Collected, (dscf)	51.540	46.985	45.727	48.084
Dry Mole Fraction	0.9900	0.9900	0.9900	0.9900
CO_2 Concentration, (percent dry)	0.0	0.0	0.0	0.0
O_2 Concentration, (percent dry)	20.9	20.9	20.9	20.9
CO and N_2, (percent dry)	79.1	79.1	79.1	79.1
Stack Pressure, (inches of mercury)	30.5	30.5	30.5	30.5
Average Stack Temperature, (°F)	85	92	83	86
Stack Gas Velocity, (actual feet per minute - afpm)	2,698	2,775	2,793	2,755
Stack Flowrate, (actual cubic feet per minute - acfm)	4,768	4,904	4,935	4,869
Stack Flowrate, (standard cubic feet per minute - scfm)	4,718	4,790	4,898	4,802
Stack Flowrate, (dry standard cubic feet per minute - dscfm)	4,671	4,743	4,850	4,755
F-Factor				

Wash Room Stack-Shop Towels
G&K Services
Methods 1-4 Summary

Run No.	1	2	3	
Date:	**13-May-09**	**13-May-09**	**13-May-09**	
Start Time	**9:42**	**15:15**	**16:44**	
Stop Time	**11:07**	**15:20**	**16:52**	**AVERAGES**
Barometric Pressure, (inches of mercury)	30.60	30.60	30.60	30.60
Net Sampling Time, (minutes)	65.0	60.0	60.0	61.7
Volume Metered, (cubic feet)	51.816	47.636	46.360	48.604
Average Dry Gas Meter Temperature, (°F)	85	90	90	88
Average ΔH, (inches of water)	1.70	2.00	2.00	1.90
Average ΔH, (inches of mercury)	0.1250	0.1471	0.1471	0.1397
Dry Gas Meter Calibration Factor (Y) Meterbox # 28515	0.9998	0.9998	0.9998	0.9998
Dry Gas Meter ΔH @	1.800	1.800	1.800	1.800
Volume of Gas Collected, (dscf)	51.540	46.985	45.727	48.084
Wet Bulb Temp., (F)	64	64	64	64
Dry Bulb Temp., (F)	90	90	90	90
Calculated Saturation Constant	0.01972	0.01971	0.01971	0.0197
Moisture, (percent)	1.0	1.0	1.0	1.0
Dry Mole Fraction	0.9900	0.9900	0.9900	0.9900
CO_2 Concentration, (percent dry)	0.0	0.0	0.0	0.0
O_2 Concentration, (percent dry)	20.9	20.9	20.9	20.9
CO and N_2, (percent dry)	79.1	79.1	79.1	79.1
Dry Molecular Weight, (lb/lb mole)	28.84	28.84	28.84	28.84
Wet Molecular Weight, (lb/lb mole)	28.73	28.73	28.73	28.73
Excess Air at Stack, (percent)	-118750.0	-118750.0	-118750.0	-118750.0
Stack Area, (square inches)	254.5	254.5	254.5	254.5
Static Pressure, (inches of water)	-0.97	-0.92	-0.91	-0.93
Stack Pressure, (inches of mercury)	30.53	30.53	30.53	30.53
Average Stack Temperature, (°F)	85	92	83	86
Average Sqroot of ΔP	0.7947	0.8121	0.8238	0.8102
SDE Average	18.544	19.073	19.194	18.937
Pitot Coefficient	0.84	0.84	0.84	0.84
Stack Gas Velocity, (actual feet per minute - afpm)	2,698	2,775	2,793	2,755
Stack Flowrate, (actual cubic feet per minute - acfm)	4,768	4,904	4,935	4,869
Stack Flowrate, (standard cubic feet per minute - scfm)	4,718	4,790	4,898	4,802
Stack Flowrate, (dry standard cubic feet per minute - dscfm)	4,671	4,743	4,850	4,755

TRC

40 CFR 60 Method 2 -- VELOCITY TRAVERSE

Page of

Project No.	Barometric Pressure at Ground Level (in Hg) 30.1				Date 5-13-09
Client G&K	Platform Elevation (ft)				Operator SB AC
Facility Manchester NH	Adjusted Barometric Pressure (in Hg)				Pressure Gauge ID
Source Wash room	Estimated Stack CO_2 (%)	Estimated Stack O_2 (%)	Pitot ID P3-1	Internal Dimensions (in)	Gauge Sensitivity
Condition			Pitot Side		Thermocouple ID P3-1
Sampling Location			PTCF 0.84		Meter Box ID ~~58515~~ 28515 RP

Run No. 1		P Static (in H_2O) -0.06	
Run Time (24-hr)		Pitot Check (in H_2O)	
Start 11:00	Stop 11:05	Pre-Test ✓	Post-Test ✓
Traverse Point No.	Flue Gas Temp. (°F)	Δ P (in H_2O)	Sq Root of Δ P
1	87	0.36	
2	87	0.51	
3	84	0.60	
4	84	0.71	
5	84	0.71	
6	84	0.66	
1	84	0.55	
2	84	0.62	
3	84	0.71	
4	84	0.80	
5	84	0.76	
6	84	0.66	
Average			

Run No. 2		P Static (in H_2O) +0.01	
Run Time (24-hr)		Pitot Check (in H_2O)	
Start 15:15	Stop 15:20	Pre-Test ✓	Post-Test ✓
Traverse Point No.	Flue Gas Temp. (°F)	Δ P (in H_2O)	Sq Root of Δ P
1	90	0.45	
2	90	0.57	
3	92	075	
4	92	079	
5	92	0.75	
6	92	0.65	
1	91	0.50	
2	92	0.59	
3	92	0.74	
4	92	0.78	
5	92	0.72	
6	92	0.68	
T_W = 64			
T_D = 90			
Average			

Run No. 3		P Static (in H_2O) -0.02	
Run Time (24-hr)		Pitot Check (in H_2O)	
Start 1644	Stop 1652	Pre-Test ✓	Post-Test ✓
Traverse Point No.	Flue Gas Temp. (°F)	Δ P (in H_2O)	Sq Root of Δ P
A 1	82	0.68	
2	83	0.76	
3	83	0.77	
4	83	0.75	
5	82	0.66	
6	83	0.51	
B 1	83	0.52	
2	83	0.65	
3	83	0.69	
4	83	0.75	
5	83	0.78	
6	83	0.66	
Average			

NOTE: Schematic of the Sampling Location is drawn on a separate sheet.

Checked By: _____ (Project Manager or QA Manager - sign and date)

Wash Room Stack-Print Towels
G&K Services

Run No.	**1**	**2**	**3**	
Date:	**14-May-09**	**14-May-09**	**14-May-09**	
Start Time	**08:20**	**11:18**	**12:50**	
Stop Time	**08:25**	**11:23**	**12:55**	**AVERAGES**
Net Sampling Time, (minutes)	5.0	5.0	5.0	5.0
Volume of Gas Collected, (dscf)	53.086	48.378	47.082	49.515
Dry Mole Fraction	0.9875	0.9875	0.9875	0.9875
CO_2 Concentration, (percent dry)	0.0	0.0	0.0	0.0
O_2 Concentration, (percent dry)	20.9	20.9	20.9	20.9
CO and N_2, (percent dry)	79.1	79.1	79.1	79.1
Stack Pressure, (inches of mercury)	30.3	30.3	30.3	30.3
Average Stack Temperature, (°F)	78	84	84	82
Stack Gas Velocity, (actual feet per minute - afpm)	2,831	2,796	2,796	2,807
Stack Flowrate, (actual cubic feet per minute - acfm)	5,002	4,941	4,941	4,961
Stack Flowrate, (standard cubic feet per minute - scfm)	4,970	4,855	4,855	4,893
Stack Flowrate, (dry standard cubic feet per minute - dscfm)	4,907	4,794	4,794	4,832
F-Factor				

Wash Room Stack-Print Towels
G&K Services
Methods 1-4 Summary

Run No.	1	2	3	
Date:	**14-May-09**	**14-May-09**	**14-May-09**	
Start Time	**8:20**	**11:18**	**12:50**	
Stop Time	**8:25**	**11:23**	**12:55**	**AVERAGES**
Barometric Pressure, (inches of mercury)	30.36	30.36	30.36	30.36
Net Sampling Time, (minutes)	5.0	5.0	5.0	5.0
Volume Metered, (cubic feet)	51.816	47.636	46.360	48.604
Average Dry Gas Meter Temperature, (°F)	65	70	70	68
Average ΔH, (inches of water)	1.70	2.00	2.00	1.90
Average ΔH, (inches of mercury)	0.1250	0.1471	0.1471	0.1397
Dry Gas Meter Calibration Factor (Y) Meterbox # 28515	0.9998	0.9998	0.9998	0.9998
Dry Gas Meter ΔH @	1.800	1.800	1.800	1.800
Volume of Gas Collected, (dscf)	53.086	48.378	47.082	49.515
Wet Bulb Temp., (F)	62	62	62	62
Dry Bulb Temp., (F)	78	78	78	78
Calculated Saturation Constant	0.01852	0.01852	0.01852	0.0185
Moisture, (percent)	1.3	1.3	1.3	1.3
Dry Mole Fraction	0.9875	0.9875	0.9875	0.9875
CO_2 Concentration, (percent dry)	0.0	0.0	0.0	0.0
O_2 Concentration, (percent dry)	20.9	20.9	20.9	20.9
CO and N_2, (percent dry)	79.1	79.1	79.1	79.1
Dry Molecular Weight, (lb/lb mole)	28.84	28.84	28.84	28.84
Wet Molecular Weight, (lb/lb mole)	28.70	28.70	28.70	28.70
Excess Air at Stack, (percent)	-118750.0	-118750.0	-118750.0	-118750.0
Stack Area, (square inches)	254.5	254.5	254.5	254.5
Static Pressure, (inches of water)	-0.97	-0.92	-0.91	-0.93
Stack Pressure, (inches of mercury)	30.29	30.29	30.29	30.29
Average Stack Temperature, (°F)	78	84	84	82
Average Sqroot of ΔP	0.8350	0.8202	0.8202	0.8251
SDE Average	19.368	19.130	19.130	19.209
Pitot Coefficient	0.84	0.84	0.84	0.84
Stack Gas Velocity, (actual feet per minute - afpm)	2,831	2,796	2,796	2,807
Stack Flowrate, (actual cubic feet per minute - acfm)	5,002	4,941	4,941	4,961
Stack Flowrate, (standard cubic feet per minute - scfm)	4,970	4,855	4,855	4,893
Stack Flowrate, (dry standard cubic feet per minute - dscfm)	4,907	4,794	4,794	4,832

TRC

40 CFR 60 Method 2 -- VELOCITY TRAVERSE

Page of

Project No.	Barometric Pressure at Ground Level (in Hg) 30.36				Date 5-14-09
Client G&K	Platform Elevation (ft)				Operator SB AC
Facility Manchester NH	Adjusted Barometric Pressure (in Hg)				Pressure Gauge ID
Source Washroom duct	Estimated Stack CO_2 (%)	Estimated Stack O_2 (%)	Pitot ID P3-1	Internal Dimensions (in)	Gauge Sensitivity
Condition			Pitot Side		Thermocouple ID P3-1
Sampling Location			PTCF 0.84		Meter Box ID 28515

Run No. 4		P Static (in H_2O) -0.38	
Run Time (24-hr)		Pitot Check (in H_2O)	
Start 8:20	Stop 8:25	Pre-Test ✓	Post-Test ✓
Traverse Point No.	Flue Gas Temp. (°F)	Δ P (in H_2O)	Sq Root of Δ P
1	78	0.66	
2	78	0.75	
3	78	0.78	
4	78	0.78	
5	78	0.66	
6	78	0.56	
1	78	0.61	
2	78	0.75	
3	78	0.78	
4	78	0.76	
5	78	0.67	
6	78	0.63	
Td	78		
Tw	62		
Average			

Run No. 5		P Static (in H_2O) -0.40	
Run Time (24-hr)		Pitot Check (in H_2O)	
Start 11:18	Stop 11:23	Pre-Test ✓	Post-Test ✓
Traverse Point No.	Flue Gas Temp. (°F)	Δ P (in H_2O)	Sq Root of Δ P
1	84	0.68	
2	84	0.77	
3	84	0.79	
4	84	0.76	
5	84	0.69	
6	84	0.57	
1	84	0.63	
2	84	0.71	
3	84	0.78	
4	84	0.76	
5	84	0.65	
6	84	0.59	
Average			

Run No. 6		P Static (in H_2O) -0.55	
Run Time (24-hr)		Pitot Check (in H_2O)	
Start 12:50	Stop 12:55	Pre-Test	Post-Test
Traverse Point No.	Flue Gas Temp. (°F)	Δ P (in H_2O)	Sq Root of Δ P
1	84	0.65	
2	84	0.74	
3	84	0.75	
4	84	0.74	
5	84	0.68	
6	84	0.56	
1	84	0.60	
2	84	0.67	
3	84	0.74	
4	84	0.72	
5	84	0.64	
6	84	0.60	
Average			

NOTE: Schematic of the Sampling Location is drawn on a separate sheet.

Checked By: _____(Project Manager or QA Manager - sign and date)

Room Differential Pressure and Face Velocities at NDO

Shop Towels

G&K
Manchester, NH

13-May-09

Time	Differential Pressure	NDO Face Velocity 1	2	3	4	5
0805	-0.0063	280	only one designated NDO			
0830	-0.0083	250				
0900	-0.0049	300	→ tape across top of NDO			
0930	-.0070	310	used to indicate flow was			
1000	-.0122	400	always into the building			
1030	-.0094	310				
1145	-0.0163	320				
1230	-0.0195	345				
1245	-0.0157	335				
1300	-0.0165	320				
1315	-0.0144	325				
1330						
1345						
1400						
1415						
1430	-0.0171					
1500	-0.0202	425				
1530	-0.0124	390				
1600	-0.0155	300				
1630	-0.0216	300				
1700	-0.0236	310				
1730	-0.0137	330				
1800	-0.0101	345				
1830	-0.0193					

Room Differential Pressure and Face Velocities at NDO

Print Towels

G&K
Manchester, NH

14-May-09

Time	Differential Pressure	NDO Face Velocity 1	2	3	4	5
730	0.012	255				
	0.008	240				
830	0.009	270				
	0.007	350				
930	0.007	300				
	0.012	325				
1030	0.013	350				
	0.0081	390				
1130	0.018	360				
	0.007	330				
1230	0.007	370				
	0.011	380				
1330	0.009	390				
	0.010	310				
1430	0.014	340				
	0.013	315				
1530	0.009	325				
	0.021	330				
1630	0.017	360				

May 13 2009

08:00 Start Process

Room VOC Concentrations

Shop Towels

G&K
Manchester, NH

13-May-09

Time	Location 1	2	3	4	5	6	
08:30	0.0	52.0	49.0	55.0	23	1.0	EPA
0900	0.0	34	23	20	8.5	2.0	TRC
1000	0.5	15	18	11	8.0	2.5	
1100	0.5	15	22	24	20	6.5	
1200	0.0	13.1	26	20	19	3.0	
1300	1.2	8.0	23	17	13	5.0	
1400	0.5	10	18	14	21	2	
1500	0.0	15	22	15	15	10	
1600	0.0	12.5	14.6	12.5	14.1	14.0	
180	0.0	14	12	11	8	2.	

1 - Clean Room

START 7:35

Room VOC Concentrations

Print Towels

G&K
Manchester, NH

14-May-09

Time	Location 1	2	3	4	5	6	
0830	0.0	38.8	60	50	32	25	7
0900	0.0	63	98	67	75	60	
1000	0.0	118	193	143	150	95	
1100	0.0	70	90	95	85	70	
1200	0.0	84	141	302	112	15	
1300	0.0	135	300	300	190	140	
1420	0.5	250	250	160	140	75	140
1600	0.0	113	160	100	135	80	60
~~1700~~	0.0	30	35	27	29	8.0	20
1645	~~5.0~~	~~10~~					
		MAY 15					
0735	0.0	10	10	10	10	2	7
		WASH ROOM DUCT @ 0735 = 10 ppm					

concentrations ppm as methane