

DRAFT

Appendix C

Vapor Intrusion Sampling Forms and Field Documents

college ruled

composition

SOUTH SIDE H.S. V-1

7/7/14

Building Walkthrough

Point #	Location	Floor Type ~~Area~~ 7	ACM
1	Hallway by Entrance	terrazzo	NO
2	122?	tile	
3	127	tile	~~YES~~ NO
4	125	tile	
5	124	tile	
6	122	tile	
7	120	tile	NO
8	Hall by Guidance	terrazzo	NO
9	Hall outside Girls Bath	terrazzo	NO
10	101	tile	
11	115	tile	
12	116	tile	
13	Hall outside Rm 111	terrazzo	NO
14	Hall outside Rm 103	terrazzo	NO
15	105	tile	
16	Back Stage	concrete	NO
17	Hall outside corner	terrazzo	NO
18	Janitor's Area	concrete	NO
19	Hall outside Rm 145	terrazzo	NO
20	Workout Room (Bikes)	tile	NO
21	Pool Filter Room	concrete	NO
22	Aux Gym	concrete	NO
23	Girls Locker	ceramic tile	

Arrived

SSHS 7-8-14

Pic #	Room #	Sample #
1 & 2	Hallway	1
3 & 4	130	2
4	127	3
5	127	differential pressure
6	125	4
7 & 8	124	5
8	122	6
9	120	7
10	129	8
11	100	9
12	101	10
13	115	11
14	116	12
15	111	13
16 & 17	Hallway outside 103	14
18	105	15
19	—	roof top

Room #	Time & Stamp ID
105	8:00 roof to
Hallway outside 103	7:44 (15)
111	7:42 (14)
Guardian	7:40 (13)
129	7:18 (8)
130	7:18 (2)
127	7:21 (3)
116	7:38 (12)
122	7:24 (6)
124	7:23 (5)
125	7:22 (4)
115	7:31 (11)
101	7:30 (10)
Library	7:28 (9)
100	7:42 (1)
Hallway	7:26 (7)
120	

7-08-14 127.
 16:50 roof
 17:27 roof
 11:02

SSHS

7-8-14

Time &

Stamp ID	CAN ID	Filter ID	SHW VAC	END VAC
8:00 ^{roob} _{top}	5578		28.6	4.13
7:44 (15)	5580	FL00787	28.58	4.40
7:42 (14)	96100	FC 00935	28.42	4.41
7:40 (13)	409	FC 00253	28.56	3.98
7:18 (8)	25274	FC 00665	28.75	4.27
7:18 ⁵ (2)	31155	FC 00450	28.67	3.32
7:21 (3)	5693	~~FC~~ 40670	28.75	4.16
7:38 (12)	12009	FC 00867	28.76	4.16
7:24 (6)	13864	FC 00913	28.73	4.44
7:23 (5)	35992	FC 00077	28.72	4.07
7:23 (4)	33920	FC 00427	27.93	3.14
7:31 (11)	34365	Z0891	28.74	4.14
7:30 (10)	33595	FC 00428	27.21	3.93
7:28 (9)	12955	FC 00765	28.39	4.31
7:42 (1)	12954	FC 00350	28.75	4.11
7:26 (7)	94609	FC 00516	27.53	4.16

7-08-14 127-ON

HVAC off 16:50

End date
time

OVERSIC

16:50 ^{roob} _{top}	3433563	IA	28.63	3.88	07-09-14 (07:00)
17:29 ^{roob} _{top} - ON	6L0030	04	28.57	4.73	07-09-14 (11:02)

11:02 OFF

SSHS 07-10-14

Start Time	Room #/ Sample # ID/Room #	Can FD	Filter ID	Start VAC	End VAC	End Time
08:23	girls locker (23)	916	FC00964	28.86	4.52	17:27
08:03	junior's room (18)	4167	FC00374	28.79	3.42	17:27
08:09	138A (19)	34278	FC00287	28.95	4.41	17:24
07:35	145 (21) DP	25254	FC00890	27.60	3.28	17:13
07:35	145 (21)	33862	FC00563	28.83	3.48	13:20 PM
07:30	AUX gym (22) DVP	3748	FC00843	28.82	3.83	17:19
07:30	AUX gym (22)	32126	0000006717	28.95	4.18	17:19
08:17	142 (20)	14007	FC00877	28.46	3.92	17:29
07:37	auditorium 163 (16) DP	5731	FC00254	28.45	3.63	17:16
07:37	auditorium 163 (16) DVP	13852	FC00399	28.97	4.44	17:16
08:51	outdoor air	35168	FC00237	29.14	4.73	18:00
07:56	136A (17)	438	FC00266	29.08	4.38	17:27

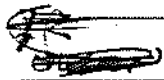
HVAC came on at 7:00am in Room # 127

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nurse room
gym
171
auxiliary gym
auditorium
163

Composition

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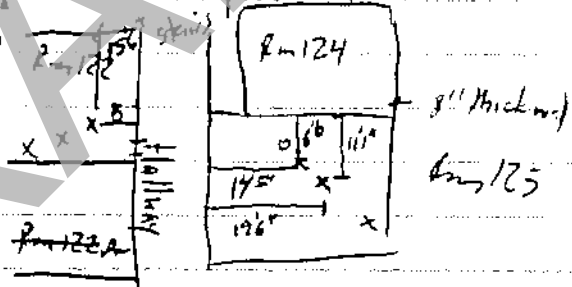
SSHS - U-2

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7/15/14

- 0700 Onsite begin calibration of equipment and
organize supplies for High Pore Value Sampling
- 0800 Begin concrete in pvc at point #5 in Room
124 Use teflon tape and 2" pvc and hydraulic
cement
- 0830 Concrete pvc at point #7 Room 120
- 0840 Concrete pvc at point #4 Room 125

- 919 start HVS-5 Room 124 Vac @ 31" $\frac{1}{2}$ V
- 933 Vac { @ 3' -1.945" H_2O vel = 305 ft/min
- 935 Pull { @ 10' -0.513" H_2O ~ 7 ft/min
- { @ 30' -0.029" H_2O
- Room 125 { @ 3' -0.011" H_2O 3' probe in Room 125, 70' distance
- { @ 10' -0.014" H_2O 10' probe
- { @ 30' -0.001" H_2O 30' probe, 10' VAC m
- Room 122 { @ 3' -0.005" H_2O
- 955 { @ 10' -0.000" H_2O



- 1010 Trans 4 test @ 3'
- 1020 @ 10'
- 1030 setup @ location #7 in Room 120
- 1045 start HVS 7 Room 120
- 1100 Room 120 { @ 3' -1.448" H_2O
- { @ 6' -0.082" H_2O
- { @ 30' -0.012" H_2O -0.013" H_2O
- Room 122 { @ 30' -0.000" H_2O
- { @ 10' -0.000" H_2O
- { @ 3' -0.000" H_2O

14:45: DM+SR @ Point 2 (Room 130)

16:00: DM+SR finished @ Point 2

From test at Room 130 pt #2

Hallway pt #8

@ 3' $\rightarrow$ 0.000 H_2O

Calc + 0.000

@ 10' $\rightarrow$ -0.002 H_2O

@ 30'

Room 111

Room 106

points @

3'

10'

30'

Differential Pressures SSHS

07/16/14

Point #1 Main Entrance Hallway
@ 3' ~~0.000 Pa~~ - 0.7 Pa

Room 130 Point #2
@ 3' ~~0.021 Pa~~ - 5.7 Pa

Guidance office Room 129C
0.0 Pa

Hallway outside of office #8
@ 3' - 0.4 Pa

Point #3 Room 127
@ 3' - 6.9 Pa

Room 104 Point #15
@ 3' 0.2 Pa (entry Room, Roof tiles out)
air coming into room from door

Room 106 Point #14
@ 3' - 4.5 Pa

Room 101 Point #10
@ 3' - 2.6 Pa

Point #9 Hallway
@ 3' - 0.3 Pa

Room 115 Point #11
@ 10' hole b/c 3' hole cork was too low
- 1.1 Pa

Mechanical Storage Area point # 18

@ 3' 0.0 Pa

↳ Doors wide open, fans going for dust control from construction

Backstage Point # 16

@ 3' -0.6 Pa

Room 138A Point # 19

@ 3' -1.1 Pa

Workout Room Point # 20

@ 3' -0.6 Pa

Service Hallway point # 7

Did not measure, in front of an open door and ventilation fan from construction

Composition
Graph Ruled

WEK42

SSH5 - V3

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1200 1m7 PN setup @ HVS-4 r ~ 125 Par, P1147
 Heavy fogbox @ start of test
 Collected 1st Sample SHS-7-15-2017-07-HVS-1

1250 Pm 125 HVS-4 Start Vacuum

$$e 3' = 0.858 \text{ in } T_{H_2O}$$

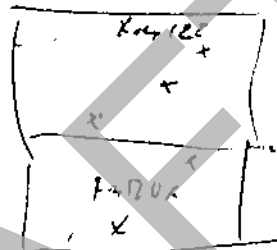
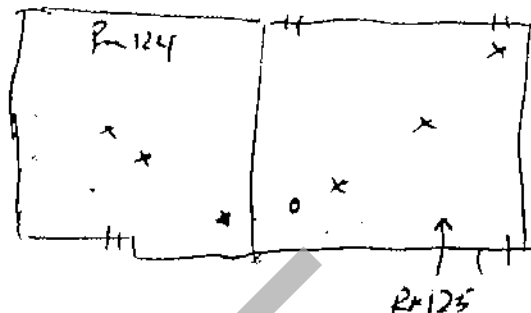
$$e 10' = 0.276$$

$$e 20' = 0.002$$

Pm 124 $20' = 0.177$
 $10' = 0.030$

Pm 122 $10' = 0.000$

Pm 120 0.000



1304 Called 2nd Fogbox "SSHS2" on log info

1315 Collected 2nd Sample SHS-7-15-14-04-HVS-2
 stop test after 55 mins

1345 1cm6 mm, PN

1400 setup @ r ~ 122 # 6

1415 start HVS Test

1422 @ Collected Sample SHS-7-15-14-06-HVS-1

1425 Pump failure on PID switched to new PID serial 7-105438

1441 Pm 122 $e 3' = 1.742$
 $e 10' = 0.353$
 $e 20' = 0.017$
 distal point

$\rightarrow$ rm 124 $\begin{matrix} \text{static pressure} \\ 30' = 0.007 \\ 10' = 0.000 \end{matrix}$ nothing

rm 125 $\begin{matrix} 3' = -0.005 \\ 10' = -0.002 \\ 30' = +0.001 \end{matrix}$ positive nothing

rm 120 $\begin{matrix} \text{static pressure} \\ 30' = -0.001 \\ 10' = 0.000 \end{matrix}$

1500 @ Collect SS/S-7-15-14-06-HVS-2

1535 Start HVS #12 Room 114

Room 114 $\begin{cases} 3'e - 1.399" H_2O \\ 10'e - 0.241" H_2O \\ 30'e - 0.036" H_2O \end{cases}$
 static point

Room 115 $\begin{cases} 3'e 0.000" H_2O \\ 10'e 0.000" H_2O \\ 30'e 0.000" H_2O \end{cases}$
 static point

1617 Collect SS/S-7-15-14-12-HVS-2

1640 set up @ HVS-11 rm 115

1657 Start HVS-11

1703 Collected sample SS/S-7-15-14-11-HVS-1

1714 static Vac $\begin{matrix} @ 3' = 0.735" H_2O \\ @ 10' = 0.077" H_2O \\ @ 30' = 0.021" H_2O \end{matrix}$ pressure 0.757 @ 1525
 pressure 0.179 @ 1524

during returning to room 102 has leak in it smoke pen does not go down.
 cover

1743
1543 @

Collected Sample
+ duplicate

SSH-7-15-14-11-HVS-2 Can 2376
SSH-7-15-14-11-HVS-2-Dup Can 3698

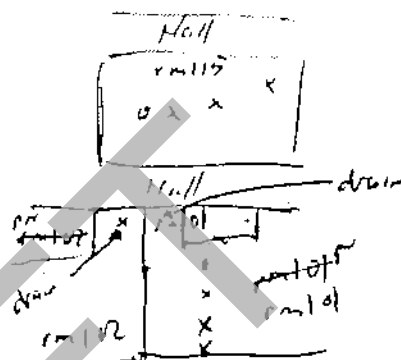
1733 Vacuum in doorway @ 1m 102 = 0.006 vac in H₂O

rm 101 @ 3' = +0.002 nothing

rm 101 drain = +0.001
just in doorway

1739 rm 116 3' = 0.002 Vac
10' = 0.000

1743



1750 setup @ HVS-9 library in hallway
redo concrete seal broke slightly on setup

1822 start HVS-9

1827 Collected sample SSH-7-15-14-9-HVS-1
Can 30406
Ivac 28.64

1840 in hallway @ 3' = 0.314 vac
in hallway @ 10' = 0.019 vac
@ 30' = 0.001 vac
distal point

1848 rm 115 @ 30' = 0.002 vac
@ 10' = 0.000 nothing

1853 no smoke into floor drain in girls bathroom

1903 @ Collect Sample SSH-7-15-14-9-HVS-2

July - 16 2014

7:15 stop @ lower for concrete
7:35 onsite
7:50 cut pipe for locations

8:40 setup @ HVS-10 in 101

907 before starting → static vac @ 3' = 0.005

907 start test HVS-10 in 101

909 collected sample SSHS-7-16-14-10-HVS-1 (an 2058)

915 ~~9015~~ baseline O_2 in BEM = 21.7%

917 Vacuum static

$3' = 0.888$ vac in H_2O
 $10' = 0.030$ pressure - 0.053
 $30' = 0.001$ vac in H_2O

0923 removed vac gauge

Vac @ HVS-9 in hallway by library

0927
@ 30' = 0.001 vac in H_2O
@ 10' = 0.002 vac
@ 3ft = +0.001 positive no vac

939 Star drain in Rm 102 vac = 0.003 in H_2O vac
flow drain in Rm 101 by door vac = 0.000

0948 @ collect SSHS-7-16-14-10-HVS-2

Nav
Stair

10:25 start @ HVS-20 workout room

10:47 GET 0759 - next O_2 % + ambient 20.9%

10:50 static vac @ 3' = 0.002 pressure in H_2O

10:53 START HVS-20

sample time

1054-1056 @ collect sample SSHS-7-16-14-20-HVS-1

Corr # 1787

1106 static vac @ 3' = 0.703

1108 @ 10' = 0.206

1110 30' = 0.009

F = 28.75

F = 2.58

16 distal (30') = 0.000

nurse 3' = 0.000

1119 tested w/ 2nd anemometer reads 363 L/min

1136-1138 Collect Sample SSHS-7-16-14-20-HVS-2

Corr # 3770

F = 28.75

Nurse's 1246-1248

SSHS-7-16-14-21-HVS-1

can ID 3253

Station

1252

3' - 1.0421

10' - 0.142

20' - 0.019

1258 Rezeroed Teclor 25' - 0.030

1312 checked 3' CTP in workout room - no response
checked drains in pool rm, nearest drain showed
smoke going in but no ΔP when blocked & Teclor
checked σ & ϕ locker rooms off pool, no response
w/ smoke.

SSHS-7-16-14-21-HVS-2

can ID 2020 or 33732

1324-1326

1345 setup @ HVS-16
initial vac @ 3' 0.000

1407 START HVS-16

~~14407-1407~~ collect SSHS-7-16-14-16-HVS-1
1409-1411 $\uparrow$ Can # 20064
I = 28.68

1420 3' - static vac 0.322

10' - 0.046

20' - 0.000

30' - 0.005 from adjacent hallway service

1431 10' - 0.000 " " "

1447-1449 collect sample SSHS-7-16-14-16-HVS-2

Can # 3511

1506 experiment remaining last 50' of exhaust hose static on 3' CRP
Ivac = 28.50

	before 150'	after 100'
3'	0.320	0.320
veloc.	455-470	455
WH vac	27"	27"

1530 Setup HVS-8 guidance

1547 start HVS-8

1551-1553 Collect Sample SSHS-7-16-14-8-HVS-8

Can # 20073

Ivac = 28.60

July 16 Cont'd.

CLOCK
TIME

3' Point - 0.012 @ 16:05

10' Point - 0.000 @ 16:07

Room 129 C 0.000 @ 16:10

DISTAL POINT in 127 0.000 @ 16:16

3' point - 0.015 @ 16:23

slurp @ HVS-1 Entrance

1657 HVS-1 start

1658/1700 Collect SSMS-7-16-14-1-HVS-1

Can # 0028

True = 28.33

Static Vacuum

1706

1707

1710

1723

2' = 0.851

10' = 0.160

measured 30' = 0.002

Ambient O_2 in GEM 20.3%

vac in H_2O

vac

1737/1739 Collect sample

SSMS-7-16-14-1-HVS-2

Can # 0580

True = 28.46

1750

1806

1808

slurp @ in 127 HVS-3

vac @ 3' probe = 0.000

start HVS-3

1809-1811 @ collect SSMS-7-16-14-3-HVS-1 Can # 3730
SSMS-7-16-14-3-HVS-1-Dup #20042

Room 127 (#3)

Vacuum @ 3' 1.796 in H_2O

@ 10' 0.692 in H_2O

@ 30' 0.010 in H_2O

From 3' 1.115 in H_2O (30' hole from outside
Guidance Hallway #8)

@ 10' hole from Guidance Hallway #8
23' to HVS-3 0.058 in H_2O

@ 3' hole from Guidance Hallway #8
3' to HVS-3 0.021 in H_2O

@ hole with Onniguard 0.009 in H_2O

1848-1850 Collect sample SSHS-7-16-14-3-HVS-2
Cen 9945
Irec = 28.28

F
Pc

Pc

F

Pc

R

Poi

Poi

Filling Log - July 17 2014

Point 4 (Room 125)

Diff. Pressure @ 3' $\rightarrow -0.030$ in H₂O
@ 800 $\rightarrow -8.8$ Pa

Point 5 (Room 124)

Diff. Pressure @ 3' $\rightarrow -1.2$ Pa
@ 812

Point 6 (Room 122)

Diff. Pressure @ 3' $\rightarrow -4.0$ Pa (Door closed)
@ 819 $\rightarrow -0.0$ Pa (Door open)

Point 7 (Room 120) @ 3'

Diff. pressure
@ 825

$\rightarrow -3.3$ Pa (Door closed)

$\rightarrow -0.2$ Pa (Door open)

Point 8 (Room 116) @ 3'

Diff. Pressure
@ 830

$\rightarrow -6.3$ Pa (Door closed)

$\rightarrow -1.0$ Pa (Door open)

Point 13 (Room 111) @ 3'

Diff. Pressure
@ 833

$\rightarrow -8.0$ Pa (Door closed)

$\rightarrow -1.2$ Pa (Door open)

Point 23 (Girls locker) @ 3'

Diff. Pressure
@ 850

$\rightarrow -1.7$ Pa (Door closed)

$\rightarrow -1.5$ Pa (Door open)

Point 22 (Aux Gym) @ 3' → - ~~2.4~~ 2.4 Pa Door ^{Close} ~~Open~~

Diff Pressure @ 855 → 0.0 Pa Door ^{Open} ~~(Close)~~

Point 21 (Nurses Room) @ 3' → 0.0 Pa Door Close

Diff Pressure @ 858 → 0.0 Pa Door Open

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July 16 Contd.

✓ 3' POINT - 0.012 @ 16:05
16' POINT - 0.000 @ 16:07

Lean 129 C 0.000 @ 16:10

DISTAL POINT 127 0.000 @ 16:16

3' point - 0.015 @ 16:23

slurp @ 16:25 - 1 Entrance

1653 FVS-1 Start

1658/1700 Collect SSMS-7-16-14-1-HVS-1

Can # 0028

Trac = 28.33

Station Vacuum

1706 3' = 0.851 Vac in H₂O

1707 10' = 0.160

1710 measured 30' = 0.002 Vac

1723 Ambient O₂ on GEM 20.3%

1737/1739 Collect sample

SSMS-7-16-14-1-HVS-2 Can # 0580

Trac = 28.46

1750 slurp @ 127 FVS-3

1806 Vac @ 3' probe = 0.000

1808 Start + FVS-3

1809-1811 @ Collect SSMS-7-16-14-3-FVS-1 Can # 3730

SSMS-7-16-14-3-HVS-1-Dup Lab # 20042

1345 setup @ HVS-16
initial vac @ 3' 0.000

1407 START HVS-16

~~1407-1409~~ collect SSHS-7-16-14-16-HVS-1
Can # 20064
1409-1411 $\uparrow$ $T = 28.68$

1420 Static vac
3' - 0.322

10' - 0.046

20' - 0.000

30' - 0.005 from adjacent hallway service

1431 10' - 0.000 " " "

1447-1449 collect sample SSHS-7-16-14-16-HVS-2

Can # 3511

1506 experiment remaining last 50' of exhaust hose static on 3' CFP

$T_{vac} = 28.50$

before 150' after 100'

3' 0.320 0.320

veloc. 455-470 455

Wt vac 27" 27"

1530 Setup HVS-8 guidance

1547 set + HVS-8

1551-1553 Collect Sample SSHS-7-16-14-8-HVS-8

Can # 20073

$T_{vac} = 28.60$

AIR MONITORING FORM

Site Name SOUTH SIDE HIGH SCHOOL Project ID MN0832

Sampler Name WERTZ/WADHAWAN

Sample Location: Building SOUTH SIDE HIGH SCHOOL Floor FIRST Room HALLWAY

Sample Type: 6 Liter Summa INDOOR AIR - SUB Weather Conditions SUNNY WITH SOME CLOUDS

Analytical Method (circle one): (TO-15 SIM) and TO-15 Scan

Sample ID	Canister ID	Regulator ID	Start			End	
			Vacuum (in Hg)	Time	Date	Vacuum (in Hg)	Date
<u>SSHS-07-08-14</u> <u>-01-1A</u>	<u>12954</u>	<u>FC00350</u>	<u>28.75</u>	<u>07:12</u>	<u>07-08-14</u>	<u>4.11</u>	<u>16:55</u> <u>07-08-14</u>

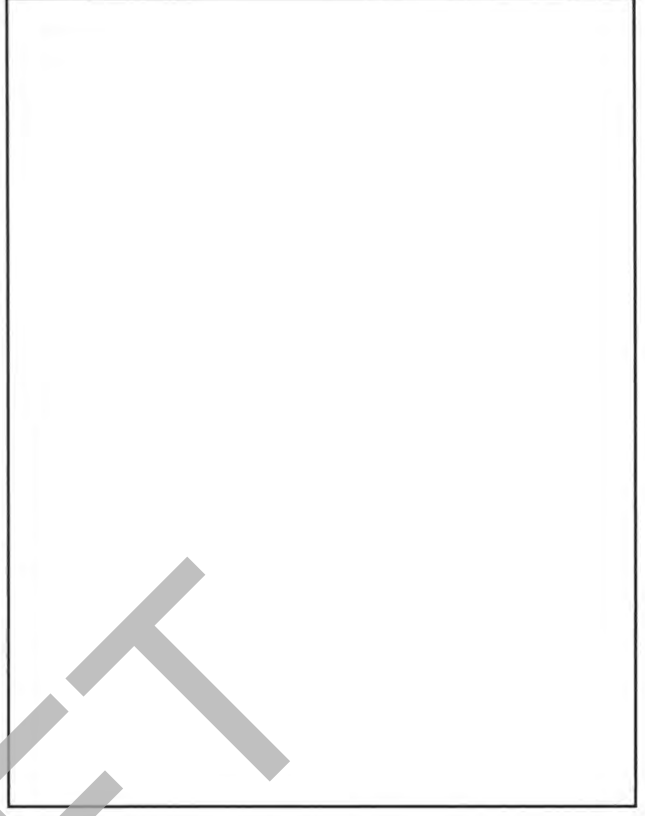
Room Temperature 70°F

PID Reading _____ (ppm.)

Other Comments (e.g., PID readings, intermediate vacuum readings)

Canister on top of chair placed in the
hallway

Sketch of Sample Location (s)



Sub-Slab Sampling Probe Measurements											
Project # MN0832		Project Name: Southside High School									
Sampling Personnel: <u>W. J. R. 2</u>		Recorded by: <u>W. J. R. 2</u>									
Building # <u>SSHS-07-13-14-01-SS</u>		HS Escort: <u>2412</u>									
Slab Thickness: <u>6.25"</u>		Weather <u>2412</u>									
Sub-Slab Probe #: <u>01</u>		Floor Material & Condition: (tile, carpet, cement, etc.) <u>+ 144220</u>									
Purging Data											
PhoChek Serial #:		Lamp <u>10.6/1.7 ev</u>		Calibrated @ Time:		Purge Method		Direct through Sample Tubing ☐			
GEM 2000 Serial #:				Calibrated @ Time:		Lung Box/Tedlar Bag ☒					
Results											
Start Time		End Time		Elapsed Time		Purge Rate (LPM)		Water Dam Leaks Used ☒ (in) ☒ Observed* ☒ yes ☒ no		PhoChekPID VOCs (☐ ppb ☒ ppm)	
16:41		16:50								CH4	
16:41		16:50								Gem 2000 O2 CO2 Balance	
16:55		17:01		6 min		5645-07-15-14-01-SS		33640		FC00991	
SUMMA Sample		Start Time		End Time		Elapsed Time		Sample ID		SUMMA Canister ID	
		16:55		17:01		6 min		5645-07-15-14-01-SS		33640	
Notes:											
Building Characterization Data											
Target Area Location		Target Area Dimensions									
Front Entrance 1A4											
Omniguard Differential Pressure Meter		Model #		Serial #		Start Time		End Time		Elapsed Time	
										HVAC Status (occupied/unoccupied)	
Dwyer 475											
Notes:											
Building ID #		Sample Point ID <u>01</u>									

AIR MONITORING FORM

Site Name SOUTH SIDE HIGH SCHOOL Project ID MN0832

Sampler Name WERTZ / WADSWORTH

Sample Location: Building SOUTH SIDE HIGH SCHOOL Floor FIRST Room 130

Sample Type: 6 Liter Summa INDOOR AIR - 8 HR Weather Conditions SUNNY WITH SOME CLOUDS

Analytical Method (circle one): TO-15 SIM and TO-15 Scan

Sample ID	Canister ID	Regulator ID	Start		End	
			Vacuum (in Hg)	Time	Vacuum (in Hg)	Date
SSHS-07-08-14 -02-FA	31155	FC00450	28.67	07:15	3.32	07-08-14

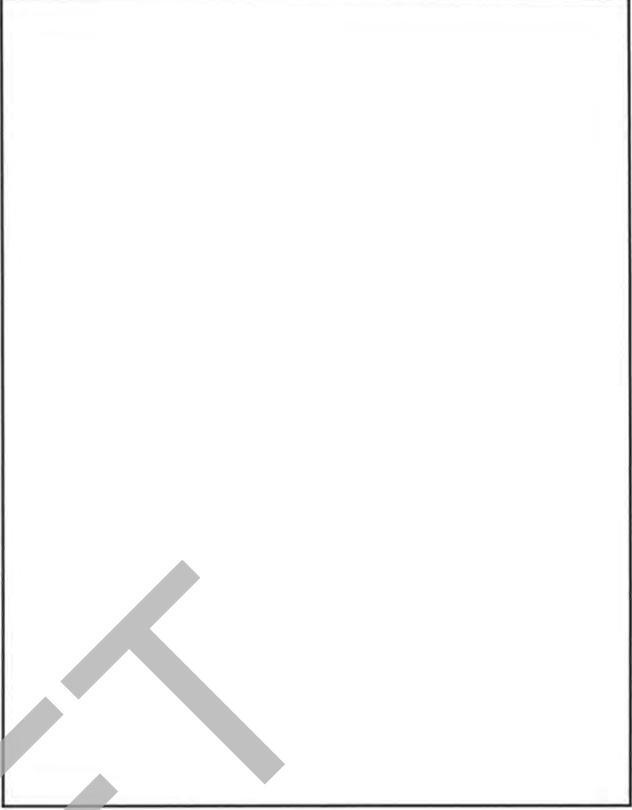
Room Temperature 70° F

PID Reading — (ppm)

Other Comments (e.g., PID readings, intermediate vacuum readings)

Canister placed on desktop in the center of the room

Sketch of Sample Location (s)



Sub-Slab Sampling Probe Measurements											
Project # MN0832		Project Name: <u>SSHS</u>		Southside High School							
Sampling Personnel: <u>DM/JR</u>		Recorded by: <u>DM</u>									
		HS Escort:									
Building #		Date <u>7/14/14</u>		Weather <u>Indoors</u>							
Slab Thickness: <u>5 3/4"</u>		Sub-Slab Probe #: <u>02</u>		Floor Material & Condition: (tile, carpet, cement, etc.) <u>tile</u>							
Purging Data											
PhoChek Serial #: <u>7-105438</u>		Lamp <u>06/11.7 ev</u>		Calibrated @ Time:		Purge Method		Direct through Sample Tubing ☐			
GEM 2000 Serial #: <u>6413798</u>				Calibrated @ Time:		Lung Box/Tedlar Bag ☒					
Results											
		Purge Rate (LPM)		Water Dam Leaks Used (☒) Yes (☐) No		PhoChekPID VOCs (☐ ppb ☒ ppm)		CH4		Gem 2000 O2 CO2 Balance	
PhoChek		Elapsed Time <u>8 min</u>				<u>2.5</u>		<u>2.6</u>		<u>0.0</u> <u>18.4</u> <u>1.2</u> <u>50.1</u>	
GEM 2000											
SUMMA Sample		Elapsed Time		SUMMA Canister ID		Initial Vacuum (in Hg)		Final Vacuum (in Hg)		Type (IA, SS, OA)	
Start Time <u>12:47</u>		End Time <u>12:52</u>		Sample ID <u>SSHS-07-14-14-02-SS</u>		<u>28.70</u>		<u>2.10</u>		<u>SS</u>	
Notes: <u>SSHS-07-14-14-02-SS</u>											
(Room 130)											
Building Characterization Data											
Target Area Location		Target Area Dimensions									
OmniGuard Differential Pressure Meter		Model #		Serial #		Start Time		End Time		Elapsed Time Differential Pressure (in H2O) HVAC Status (occupied/unoccupied)	
Dwyer 475											
Notes:											
Building ID #		Sample Point ID <u>02</u>									

Sub-Slab Sampling Probe Measurements													
Project # MN0832		Project Name: SSHS		Southside High School									
Sampling Personnel: JR/DM		Recorded by: DM											
Building #		Date 07/14/14		Weather Indoors		HS Escort:							
Slab Thickness: 5 3/4"		Sub-Slab Probe #: 02		Floor Material & Condition: (tile, carpet, cement, etc.) tile									
Purging Data													
PhoChek Serial #: T-105438		Lamp 106/11.7 ev		Calibrated @ Time:		Purge Method		Direct through Sample Tubing ☐					
GEM 2000 Serial #: G-M13798				Calibrated @ Time:		Lung Box/Tedlar Bag ☒							
Results													
		Purge Rate (LPM)		Water Dam Leaks Observed* (yes/no)		PhoChekPID VOCs (ppb/ppm)		Gem 2000 CH4		O2		CO2 Balance	
PhoChek		12:37				2.5		2.6		2.6		0.0 18.4 1.2 80.4	
GEM 2000										0.0 18.2 1.3 80.5			
SUMMA Sample		Start Time		End Time		Elapsed Time		Sample ID		Initial Vacuum (in Hg)		Final Vacuum (in Hg)	
		12:47		12:52		5 min		SSH-07-14-14-02-SS-Dup		27.28		2.16	
								SUMMA Canister ID		Type (IA, SS, OA)		Shut In Test (yes/no) Vacuum Held (in Hg)	
								35613		SS		1L 13	
Notes: SSHS-07-14-14-02-SS-Dup (Dup for room 130)													
Building Characterization Data													
Target Area Location				Target Area Dimensions									
Omniguard Differential Pressure Meter				Model #		Serial #		Start Time		End Time		Elapsed Time	
Dwyer 475												HVAC Status (occupied/unoccupied)	
Notes:													
Building ID #				Sample Point ID 02									

(dupe)

AIR MONITORING FORM

Site Name SOUTH SIDE HIGH SCHOOL Project ID MN0832

Sampler Name WERTZ / WADSWORTH

Sample Location: Building SOUTH SIDE HIGH SCHOOL Floor FIRST Room 127

Sample Type: 6 Liter Summa INDOOR AIR - 8 HR Weather Conditions SUNNY w/ SOME CLOUDS

Analytical Method (circle one): (TO-15 SIM) and TO-15 Scan

Sample ID	Canister ID	Regulator ID	Start			End		
			Vacuum (in Hg)	Time	Date	Vacuum (in Hg)	Time	Date
SSHS-07-08-14 -03-1A	5683	40670	28.75	07:21	07-08-14	4.16	16:55	07-08-14

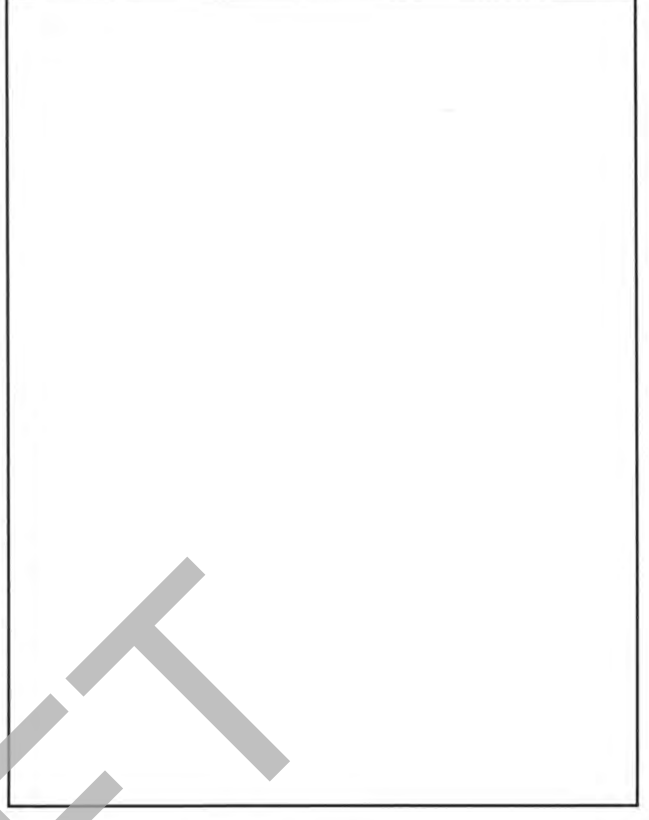
Room Temperature 70°F

PID Reading — (ppm.)

Other Comments (e.g., PID readings, intermediate vacuum readings)

Canister placed on desk top in center of the room

Sketch of Sample Location (s)



Sub-Slab Sampling Probe Measurements											
Project # MN0832		Project Name: SSHS		Southside High School							
Sampling Personnel: W. D. B.		Recorded by: W. C. A. T. Z.									
Building # SSHS		CREAMER		Date 07/13/14		Weather RAIN					
Slab Thickness: 6"		Sub-Slab Probe #: 03		Floor Material & Condition: (tile, carpet, cement, etc.) Tile							
Purging Data											
PhotoChek Serial #:		Lamp 10.6/11.7 ev		Calibrated @ Time:		Purge Method		Direct through Sample Tubing ☐			
GEM 2000 Serial #:				Calibrated @ Time:		Lung Box/Tedlar Bag ☒					
Results											
Start Time		End Time		Elapsed Time		Purge Rate (LPM)		Water Dam Leaks Used ☒ Observed* ☒ (yes/no)		PhotoChekPID VOCs (☐ ppb ☒ ppm)	
13:35										CH4	
13:35										Gem 2000 O2 CO2 Balance	
13:54		14:02		4 min		SSHS-2-13-14-03-SS		SUMMA Canister ID 35630		Initial Vacuum (in Hg) 28.71	
13:55										Final Vacuum (in Hg) 3.49	
13:55										Type (IA, SS, OA) SS	
13:55										Size 1L	
13:55										Shut In Test (yes/no) 3.1	
13:55										Vacuum Held (in Hg) 25	
Notes: SSHS-07-13-14-03-SS 8.75" thick slab PID check 7/14/14 7:45A 11.1 11.1 10.7											
Building Characterization Data											
Target Area Location		Target Area Dimensions Room 127 3' comm point 7114/14 2.7									
OmniGuard Differential Pressure Meter		Model #		Serial #		Start Time		End Time		Elapsed Time	
Dwyer 475										HVAC Status (occupied/unoccupied)	
Notes:											
Building ID #											
Sample Point ID 03											

AIR MONITORING FORM

Site Name SOUTH SIDE HIGH SCHOOL Project ID MN0832

Sampler Name WERTZ / WADHAWAN

Sample Location: Building SOUTH SIDE HIGH SCHOOL Floor FIRST Room 125

Sample Type: 6 Liter Summa INDOOR AIR - SHR Weather Conditions SUNNY w/ SOME CLOUDS

Analytical Method (circle one): TO-15 SIM and TO-15 Scan

Sample ID	Canister ID	Regulator ID	Start			End		
			Vacuum (in Hg)	Time	Date	Vacuum (in Hg)	Time	Date
SSHS-07-08-14 -04-1A	33920	FC00427	27.93	07:22	07-08-14	3.14	16:57	07-08-14

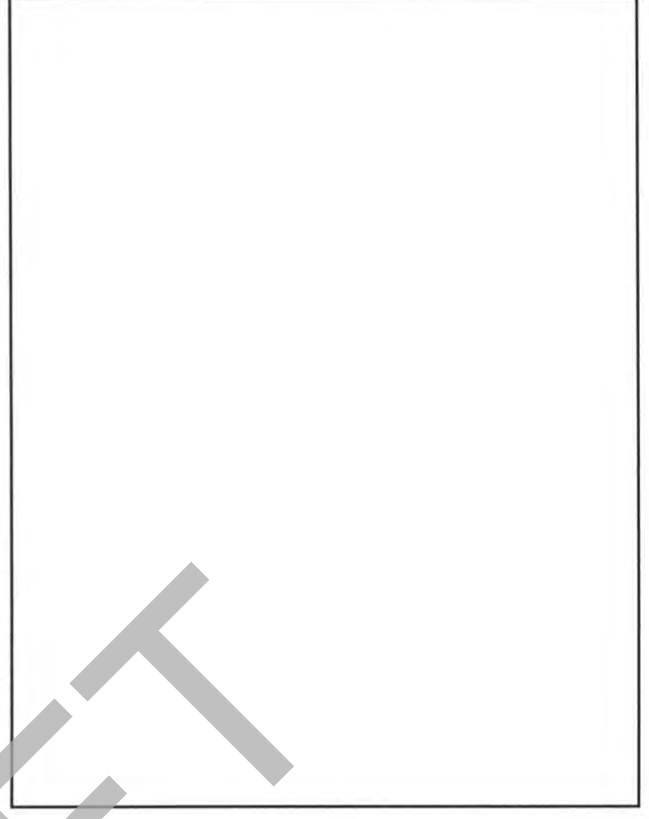
Room Temperature 70°F

PID Reading (ppm)

Other Comments (e.g., PID readings, intermediate vacuum readings)

Canister placed on desk top in center of
the room

Sketch of Sample Location (s)



Sub-Slab Sampling Probe Measurements											
Project # MN0832		Project Name: Southside High School									
Sampling Personnel: WRT & CESH		Recorded by: WRT									
Building # Am 125		Date 7/13/14		Weather RAIN		HS Escort:					
Slab Thickness: 6"		Sub-Slab Probe #: 04		Floor Material & Condition: (tile, carpet, cement, etc.) tile							
Purging Data											
PhoChek Serial #:		Lamp 10.6/11.7 ev		Calibrated @ Time:		Purge Method		Direct through Sample Tubing ☐			
GEM 2000 Serial #:				Calibrated @ Time:		Lung Box/Tedlar Bag ☒					
Results											
		Start Time		End Time		Elapsed Time		Purge Rate (LPM)		Water Dam. Leaks Used (Yes ☒ No ☐ Observed* (Yes ☒ No ☐)	
PhoChek		14:52						0.1		0.1	
GEM 2000		14:52						0.1		0.1	
SUMMA Sample		Start Time		End Time		Elapsed Time		Sample ID		SUMMA Canister ID	
		15:00		15:05		5 min		SSHS-07-13-14-04-SS		34643	
Notes:		SSHS-07-13-14-04-SS 6" SLAB									
Building Characterization Data											
Target Area Location		Target Area Dimensions									
OmniGuard Differential Pressure Meter		Model #		Serial #		Start Time		End Time		Elapsed Time	
										Differential Pressure (in H2O)	
Dwyer 475										HVAC Status (occupied/unoccupied)	
Notes:											
Building ID #		Sample Point ID 04									

AIR MONITORING FORM

Site Name SOUTH SIDE HIGH SCHOOL Project ID MN10832

Sampler Name WERTZ / WADHAWAN Floor FIRST Room 124

Sample Location: Building SOUTH SIDE HIGH SCHOOL

Sample Type: 6 Liter Summa INDOOR AIR - 8 HR Weather Conditions SUNNY w/ SOME CLOUDS

Analytical Method (circle one): TO-15 SIM and TO-15 Scan

Sample ID	Canister ID	Regulator ID	Start			End		
			Vacuum (in Hg)	Time	Date	Vacuum (in Hg)	Time	Date
SSHS-07-08-14 -05-1A	35992	FC00077	28.72	07:23	07-08-14	4.07	16:57	07-08-14

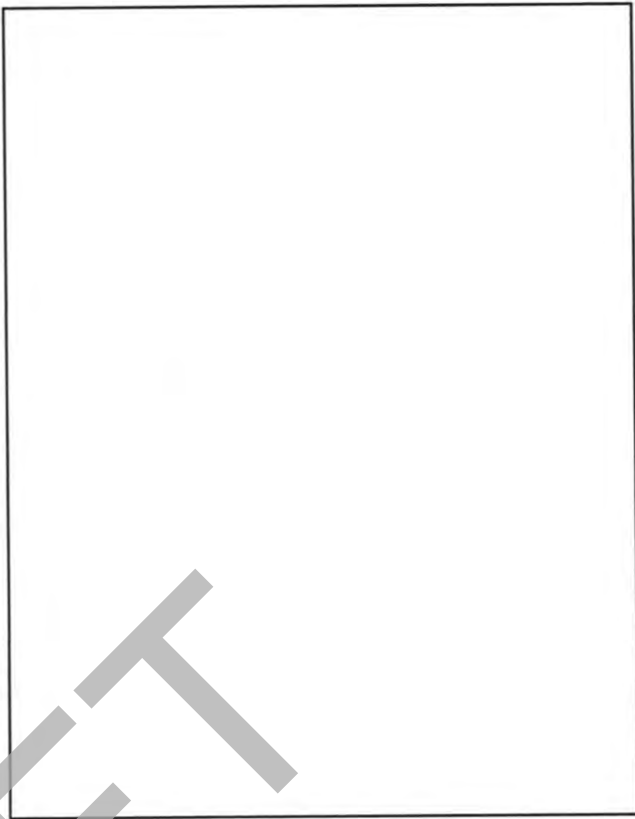
Room Temperature 70°F

PID Reading (ppm)

Other Comments (e.g., PID readings, intermediate vacuum readings)

Canister placed on desktop in center of the room

Sketch of Sample Location (s)



Sub-Slab Sampling Probe Measurements											
Project # MN0832		Project Name: Southside High School									
Sampling Personnel: W. Gutz		Recorded by: W. Gutz									
Building # Room 124		HS Escort:									
Slab Thickness: 5.0"		Date 7/13/14		Weather Rain		Floor Material & Condition: (tile, carpet, cement, etc.) Tile					
Sub-Slab Probe #: 05											
Purging Data											
PhoChek Serial #:		Lamp 10.6/11.7 ev		Calibrated @ Time:		Purge Method		Direct through Sample Tubing ☐			
GEM 2000 Serial #:				Calibrated @ Time:		Lung Box/Tedlar Bag ☒					
Results											
PhoChek		Start Time	End Time	Elapsed Time	Purge Rate (LPM)	Water Damaged Used ☒ (n)	Leaks Observed* ☒ (yes) ☒ (no)	PhoChekPID VOCs (☐ ppb ☒ ppm)		CH4	Gem 2000 O2 CO2 Balance
GEM 2000		18:44	18:52					0.6	0.6	0	20.2 0.8
SUMMA Sample		Start Time	End Time	Elapsed Time	Sample ID	SUMMA Canister ID	Flow Controller ID	Initial Vacuum (in Hg)	Final Vacuum (in Hg)	Type (IA, SS, OA)	Size Shut in Test (☒ yes ☐ no) Vacuum Held (in Hg) 23
		18:55	19:01	6 min	SS-07-13-14	2101	6839	29.72	2.71	SS	1L
Notes:											
Building Characterization Data											
Target Area Location											
Target Area Dimensions											
Omniguard Differential Pressure Meter		Model #	Serial #	Start Time	End Time	Elapsed Time		Differential Pressure (in H2O)		HVAC Status (occupied/unoccupied)	
Dwyer 475											
Notes: SS-07-13-14-05-SS Resistance to Flow 4" Hg (1 1/2" Soil in Bottom of Sample tubing)											
Building ID #										Sample Point ID 05	

HVS Test Information

www.geosyntec.com

Probe ID: SSHS-05

Time at Start of Test: _____

PID Make Model & Serial #: _____

Landtech GEM 2000 Serial #: _____

Extraction Velocity (m/s), (ft/m): _____

Extraction Vacuum (in H₂O): _____

see electronic field forms

Sample ID: SSH5-07-15-14-05-HVS1/-HVS2 Sample Type (pdms/summa): Summa/Summa
 Sample Start Time: 0915 / Date: 07-15-14 / 07-15-14
 Sample End Time: 0916 / Initial Canister Vacuum: 28.64 / 28.66 "Hg
PDMS/Summa Can #: 3915 / 40852 Final Canister Vacuum: 2.25 /
 Flow Cont. #: - / -

[illegible]

AIR MONITORING FORM

Site Name SOUTH SIDE HIGH SCHOOL Project ID MN0832
 Sampler Name WERTZ / WADHAWAN
 Sample Location: Building SOUTH SIDE HIGH SCHOOL Floor FIRST Room 122
 Sample Type: 6 Liter Summa INDOOR AIR - 8HR Weather Conditions SUNNY w/ SOME CLOUDS
 Analytical Method (circle one): TO-15 SIM and TO-15 Scan

Sample ID	Canister ID	Regulator ID	Start			End		
			Vacuum (in Hg)	Time	Date	Vacuum (in Hg)	Time	Date
SSHS-07-08-14-06-1A	13864	FC00913	28.73	07:24	07-08-14	4.44	17:04	07-08-14

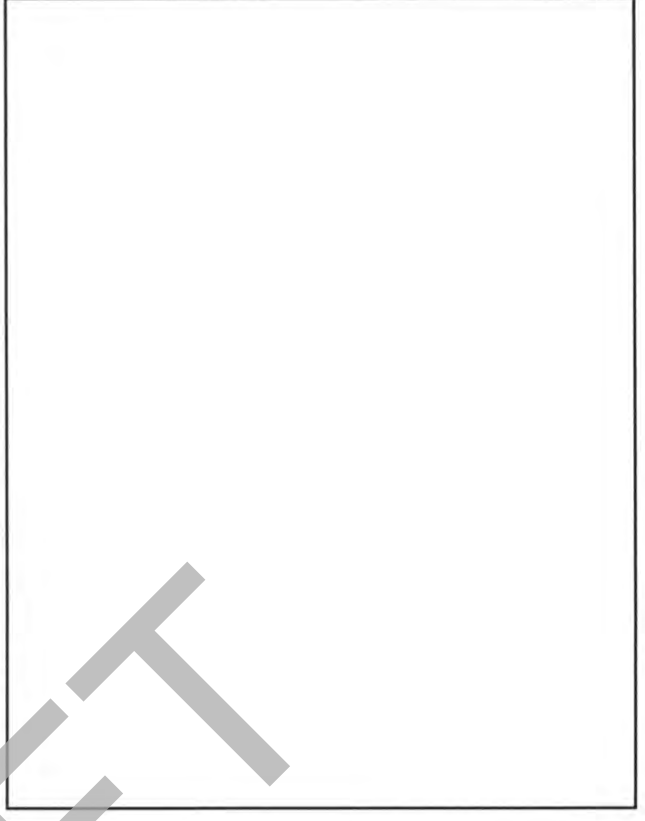
Room Temperature 70°F

PID Reading — (ppm.)

Other Comments (e.g., PID readings, intermediate vacuum readings)

Canister placed on desktop in center of the room

Sketch of Sample Location (s)



Sub-Slab Sampling Probe Measurements											
Project # MN0832		Project Name: Southside High School									
Sampling Personnel: Wget & Raman		Recorded by: Wget & R									
Building # 122 Room		HS Escort:									
Date 07/13/14		Weather Indoors									
Slab Thickness: 5.5"		Floor Material & Condition: (tile, carpet, cement, etc.) Tile									
Purging Data											
PhoChek Serial #:		Lamp 10.6/11.7 ev		Calibrated @ Time:		Purge Method		Direct through Sample Tubing ☐			
GEM 2000 Serial #:				Calibrated @ Time:		Lung Box/Tedlar Bag ☒					
Results											
	Start Time	End Time	Elapsed Time	Purge Rate (LPM)	Water Damaged Used ☒ (n)	Leaks Observed* ☒ (yes) ☒ (no)	PhoChekPID VOCs ☐ (ppb) ☒ (ppm)	CH4	Gem 2000 O2	CO2	Balance
PhoChek	19:24	19:30	6 min				0.1	0.2	0.2	0.2	
GEM 2000	19:24	19:30	6 min					0	20.0	0.2	
SUMMA Sample	Start Time	End Time	Elapsed Time	Sample ID	SUMMA Canister ID	Flow Controller ID	Initial Vacuum (in Hg)	Final Vacuum (in Hg)	Type (IA,SS,OA)	Shut In Test (yes ☐ no ☐)	Vacuum Held (in Hg) 21"
	19:31	19:38	7 min	SSMS-07-13-14-06-SS	2070	FC00814	28.43	2.65	SS		
Notes:											
Building Characterization Data											
Target Area Location				Target Area Dimensions							
Omniguard Differential Pressure Meter		Model #	Serial #	Start Time	End Time	Elapsed Time	Differential Pressure (in H2O)	HVAC Status (occupied/unoccupied)			
Dwyer 475											
Notes: SSMS-07-13-14-06-SS											
Building ID #		Sample Point ID 06									

AIR MONITORING FORM

Site Name SOUTH SIDE HIGH SCHOOL Project ID MN0832

Sampler Name WERTZ/WADHAWAN

Sample Location: Building SOUTH SIDE HIGH SCHOOL Floor FIRST Room 120

Sample Type: 6 Liter Summa INDOOR AIR - SH Weather Conditions SUNNY w/ SOME CLOUDS

Analytical Method (circle one): TO-15 SIM and TO-15 Scan

Sample ID	Canister ID	Regulator ID	Start			End		
			Vacuum (in Hg)	Time	Date	Vacuum (in Hg)	Time	Date
SSHS-07-08-14 -07-1A	94609	FC00516	27.53	07:26	07-08-14	4.16	16:58	07-08-14

Room Temperature 70°F

PID Reading _____ (ppm.)

Other Comments (e.g., PID readings, intermediate vacuum readings)

Canister placed on desk top in center of the room

Sketch of Sample Location (s)

Sub-Slab Sampling Probe Measurements												
Project # MN0832		Project Name:		Southside High School								
Sampling Personnel:		WGA+Z				Recorded by: WGA+Z						
Building #		CREAMER				HS Escort:						
Slab Thickness: 6.25		Date 7/14/14		Weather Cloudy								
Sub-Slab Probe #: 07		Floor Material & Condition: (tile, carpet, cement, etc.)		Tile								
Purging Data												
PhoChek Serial #: T-108454		Lamp 10.9/11.7 ev		Calibrated @ Time: 0800		Purge Method		Direct through Sample Tubing ☐				
GEM 2000 Serial #: GM13798				Calibrated @ Time: 0800		Lung Box/Tedlar Bag ☒						
Results												
PhoChek		Start Time	End Time	Elapsed Time	Purge Rate (LPM)	Water Dam Used ☒ (no)	Leaks Observed* ☒ (no)	PhoChekPID VOCs (☐ ppb ☒ ppm)	Gem 2000 CH4 O2 CO2 Balance			
		9:40	9:54					73.0 78.8 70.5	0 19.5 0.3			
GEM 2000		9:40	9:54						0 19.4 0.3			
SUMMA Sample		Start Time	End Time	Elapsed Time	Sample ID	SUMMA Canister ID	Flow Controller ID	Initial Vacuum (in Hg)	Final Vacuum (in Hg)	Type (IA,SS,OA)	Shut in Test (☒ yes ☐ no)	Vacuum Held (in Hg)
		9:55	10:01	6 min	5815-2114-15 07-SS	9445 141626	FC-00651 00744	28.00	3.22	SS		
Notes: SSS-07-14-07-SS SSS-07-14-14-07-SS 1L1626 Fitting 1L1626-ACS 11413 on 16th												
Building Characterization Data												
Target Area Location												
Target Area Dimensions												
OmniGuard Differential Pressure Meter		Model #	Serial #	Start Time	End Time	Elapsed Time	Differential Pressure (in H2O)	HVAC Status (occupied/unoccupied)				
Dwyer 475												
Notes: check w PID # 105438 10:10=66.0 - 74.2												
Building ID #		Sample Point ID 07										

AIR MONITORING FORM

Site Name SOUTH SIDE HIGH SCHOOL Project ID MN0832
 Sampler Name WERTZ/WADHAWAN
 Sample Location: Building SOUTH SIDE HIGH SCHOOL Floor FIRST Room 129
 Sample Type: 6 Liter Summa INDOOR AIR - SHS Weather Conditions SUNNY w/ SOME CLOUDS
 Analytical Method (circle one): TO-15 SIM and TO-15 Scan

Sample ID	Canister ID	Regulator ID	Start			End		
			Vacuum (in Hg)	Time	Date	Vacuum (in Hg)	Time	Date
SSHS-07-08-14 -08-1A	25274	FC00665	28.75	07:18	07-08-14	4.24	17:22	07-08-14

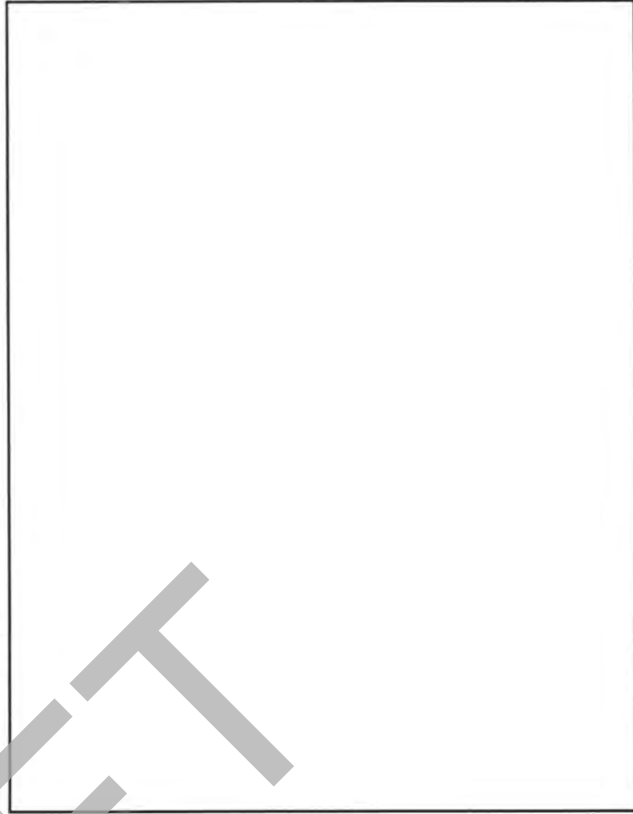
Room Temperature 70°F

PID Reading (ppm)

Other Comments (e.g., PID readings, intermediate vacuum readings)

Canister placed on desktop in center of the room

Sketch of Sample Location (s)



Sub-Slab Sampling Probe Measurements											
Project # MN0832		Project Name: Southside High School									
Sampling Personnel: WJG		Recorded by: WJG									
Building # CREM		HS Escort:									
Slab Thickness: 5.5"		Date: 7/15/14		Weather: Rain		Floor Material & Condition: (tile, carpet, cement, etc.) CARPET					
Purging Data											
PhoChek Serial #:		Lamp 10.6/11.7 ev		Calibrated @ Time:		Purge Method:		Direct through Sample Tubing ☐			
GEM 2000 Serial #:				Calibrated @ Time:		Lung Box/Tedlar Bag ☒					
Results											
Start Time		End Time		Elapsed Time		Purge Rate (LPM)		Water Damaged Used ☒ (no)		Leakage Observed* ☒ (yes) ☒ (no)	
PhoChek											
GEM 2000											
SUMMA Sample		1557		1603		6 min		SSHS-07-13-14-08-SS		SUMMA Canister ID: 37798	
										Flow Controller ID: FC00520	
										Initial Vacuum (in Hg): 28.66	
										Final Vacuum (in Hg): 3.68	
										Type (IA, SS, OA): SS	
										Size: 12	
										Shut in Test (yes ☒ no ☐): Not noted	
Notes: SSHS-07-13-14-08-SS											
Building Characterization Data											
Target Area Location: Guidance Office Rm 129											
Target Area Dimensions:											
Omniguard Differential Pressure Meter		Model #		Serial #		Start Time		End Time		Elapsed Time	
Dwyer 475										HVAC Status (occupied/unoccupied)	
Notes:											
Building ID #: Sample Point ID: 08											

AIR MONITORING FORM

Site Name SOUTH SIDE HIGH SCHOOL Project ID MN0832
 Sampler Name WERTZ/WADHAWAN
 Sample Location: Building SOUTH SIDE HIGH SCHOOL Floor FIRST Room LIBRARY 100
 Sample Type: 6 Liter Summa INDOOR AIR - SHP Weather Conditions SUNNY w/ SOME CLOUDS
 Analytical Method (circle one): TO-15 SIM and TO-15 Scan

Sample ID	Canister ID	Regulator ID	Start			End	
			Vacuum (in Hg)	Time	Date	Vacuum (in Hg)	Date
SSHS-07-08-14-09-1A	12955	FC00765	28.39	07:28	07-08-14	4.31	07-08-14

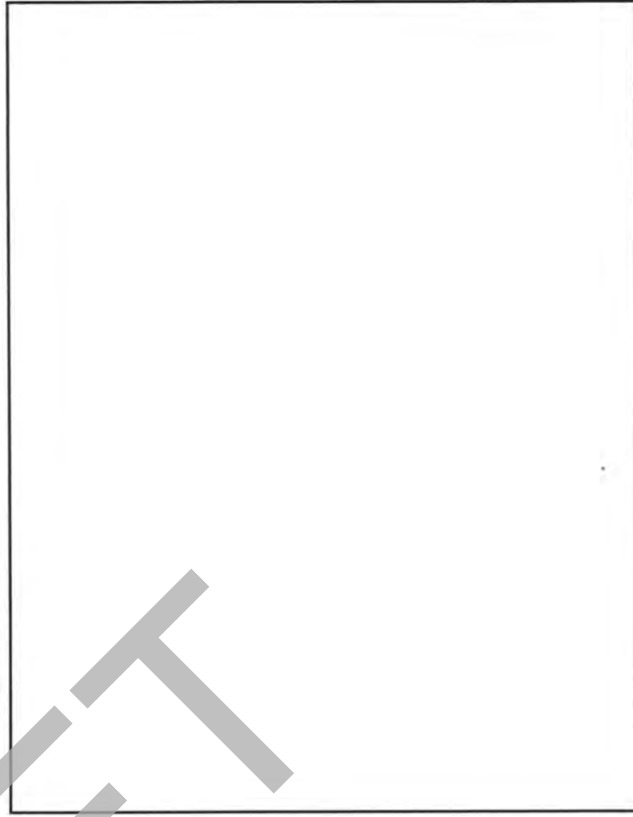
Room Temperature 70°F

PID Reading _____ (ppm.)

Other Comments (e.g., PID readings, intermediate vacuum readings)

Sampling point moved from ~~outside~~ hallway outside the library to inside the library. The canister placed on desk top in center of the room

Sketch of Sample Location (s)



Sub-Slab Sampling Probe Measurements														
Project # MN0832					Project Name: Southside High School									
Sampling Personnel: WERTZ		CREAMER		Date 7/13/14		Weather Indoors		Recorded by: WERTZ		HS Escort:				
Building # HAWKINS OUTDOOR LIBRARY		Date 7/13/14		Weather Indoors		Floor Material & Condition: (tile, carpet, cement, etc.)		PERGAS						
Slab Thickness: 7"		Sub-Slab Probe #: 09		Purging Data										
PhoChek Serial #:		Lamp 10.6/11.7 ev		Calibrated @ Time:		Purge Method		Direct through Sample Tubing ☐						
GEM 2000 Serial #:				Calibrated @ Time:		Lung Box/Tedlar Bag ☒								
Results														
	Start Time	End Time	Elapsed Time	Purge Rate (LPM)	Water Damaged Used ☒ (n)	Leaks Observed ☒ (yes) ☒ (no)	PhoChekPID VOCs (☐ ppb ☐ ppm)	CH4	Gem 2000 O2	CO2	Balance			
PhoChek	18:00	18:06					D-2	0.2	0.1			0	17.3	2.4
GEM 2000	18:00	18:06										0	17.2	2.5
SUMMA Sample	Start Time 18:07	End Time 18:12	Elapsed Time 5 min	Sample ID SS HS-07-13-14-09-SS	SUMMA Canister ID 1803477	Flow Controller ID FC00739	Initial Vacuum (in Hg) 24.63	Final Vacuum (in Hg) 1.60	Type (IA, SS, OA) SS	Size 17	Shut In Test (in Hg) 17	Vaccum He Id (in Hg) 17		
Notes:														
Building Characterization Data														
Target Area Location					Target Area Dimensions									
OmniGuard Differential Pressure Meter			Model #	Serial #	Start Time	End Time	Elapsed Time			Differential Pressure (in H2O)			HVAC Status (occupied/unoccupied)	
Dwyer 475														
Notes: SS HS-07-13-14-09-SS														
Building ID #													Sample Point ID 09	

AIR MONITORING FORM

Site Name SOUTH SIDE HIGH SCHOOL Project ID MN0832

Sampler Name WERTZ / WADHAWAN

Sample Location: Building SOUTH SIDE HIGH SCHOOL Floor FIRST Room 101

Sample Type: 6 Liter Summa INDOOR AIR - 8 HR Weather Conditions SUNNY w/ some CLOUDS

Analytical Method (circle one): TO-15 SIM and TO-15 Scan

Sample ID	Canister ID	Regulator ID	Start			End		
			Vacuum (in Hg)	Time	Date	Vacuum (in Hg)	Time	Date
SSHS-07-08-14 -10-1A	33585	FC00428	27.21	07:30	07-08-14	3.93	17:15	07-08-14

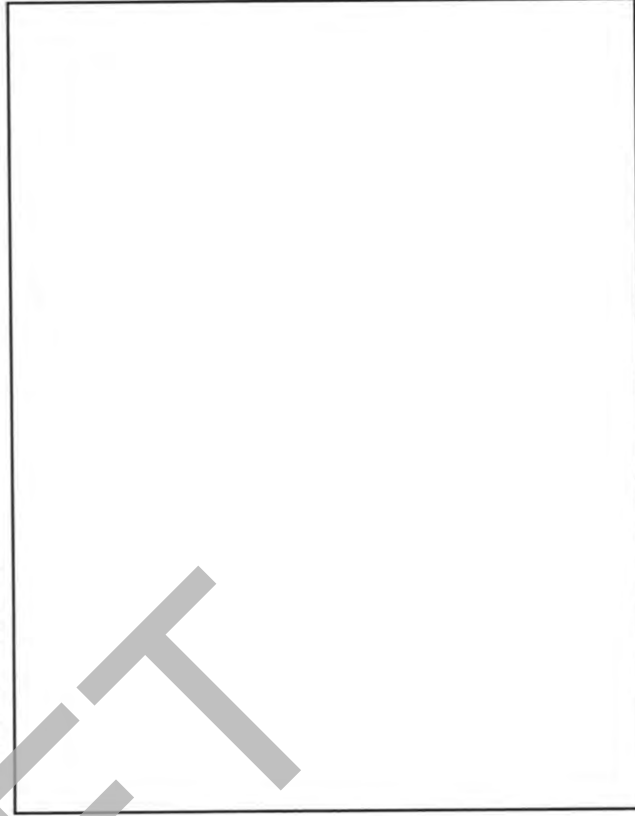
Room Temperature 70°F

PID Reading _____ (ppm.)

Other Comments (e.g., PID readings, intermediate vacuum readings)

Canister placed on desktop in center of
the room

Sketch of Sample Location (s)



Sub-Slab Sampling Probe Measurements											
Project # MN0832		Project Name: <u>SSHS</u>		Southside High School							
Sampling Personnel: <u>M. MRAW / DM</u>		Recorded by: <u>D. Hali</u>									
Building #		Date: <u>07/14/14</u>		Weather: <u>Indoors</u>		HS Escort:					
Slab Thickness: <u>6"</u>		Sub-Slab Probe #: <u>10</u>		Floor Material & Condition: (tile, carpet, cement, etc.) <u>Concrete</u>							
Purging Data											
PhoChek Serial #: <u>T-105438</u>		Lamp: <u>10.8/11.7 ev</u>		Calibrated @ Time:		Purge Method		Direct through Sample Tubing ☐			
GEM 2000 Serial #: <u>GM13798</u>				Calibrated @ Time:		Lung Box/Tedlar Bag ☒					
Results											
PhoChek		Start Time	End Time	Elapsed Time	Purge Rate (LPM)	Water Damaged Used ☒ (y) / ☐ (n)	Leaks Observed* (☐ yes / ☒ no)	PhoChekPID VOCs (☐ ppb / ☒ ppm)		CH4	Gem 2000 O2 CO2 Balance
		<u>12:09</u>	<u>12:18</u>	<u>9 min</u>				<u>0.3</u>	<u>0.3</u>	<u>0.0</u>	<u>20.3</u> <u>0.1</u> <u>79.7</u>
GEM 2000										<u>0.0</u>	<u>20.3</u> <u>0.1</u> <u>79.7</u>
SUMMA Sample		Start Time	End Time	Elapsed Time	Sample ID	SUMMA Canister ID	Flow Controller ID	Initial Vacuum (in Hg)	Final Vacuum (in Hg)	Type (IA, SS, OA)	Shut In Test (yes ☐ no ☒ Vacuum Held (in Hg)
		<u>12:20</u>	<u>12:26</u>	<u>6 min</u>	<u>SSHS-07-14-14-10-55</u>	<u>1577</u>	<u>FL00931</u>	<u>28.54</u>	<u>2.50</u>	<u>SS</u>	<u>16</u> <u>15</u>
Notes: <u>SSHS-07-14-14-10-55 (Room 101)</u>											
Building Characterization Data											
Target Area Location		Target Area Dimensions									
OmniGuard Differential Pressure Meter		Model #	Serial #	Start Time	End Time	Elapsed Time	Differential Pressure (in H2O)	HVAC Status (occupied/unoccupied)			
Dwyer 475											
Notes:											
Building ID #		Sample Point ID <u>10</u>									

AIR MONITORING FORM

Site Name SOUTH SIDE HIGH SCHOOL Project ID MN0832
 Sampler Name WERTZ/WADHAWAN
 Sample Location: Building SOUTH SIDE HIGH SCHOOL Floor FIRST Room 115
 Sample Type: 6 Liter Summa INDOOR AIR - BAR Weather Conditions SUNNY w/ SOME CLOUDS
 Analytical Method (circle one): TO-15 SIM and TO-15 Scan

Sample ID	Canister ID	Regulator ID	Start			End		
			Vacuum (in Hg)	Time	Date	Vacuum (in Hg)	Time	Date
SSHS-07-08-14 -11-1A	34365	20891	28.74	07:31	07-08-14	4.14	17:07	07-08-14

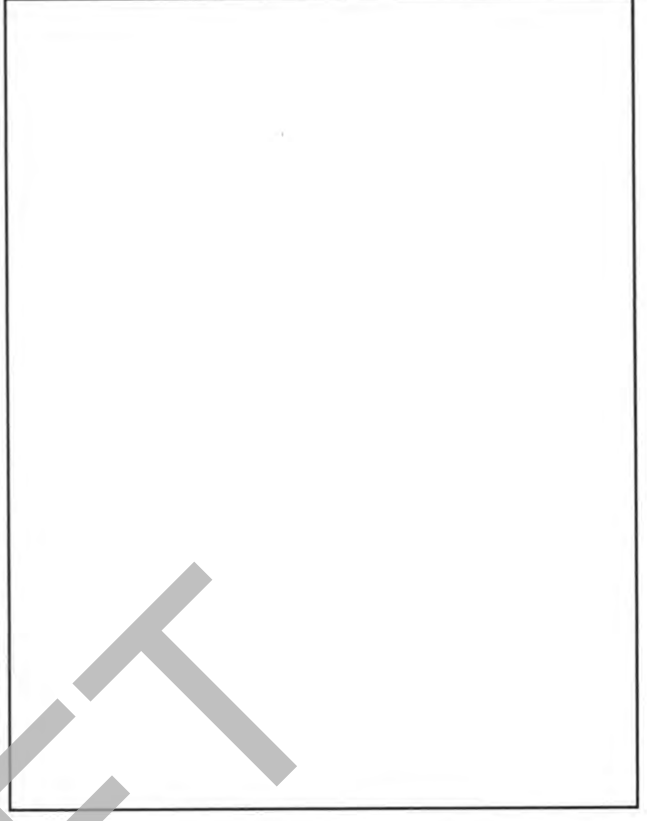
Room Temperature 70°F

PID Reading (ppm)

Other Comments (e.g., PID readings, intermediate vacuum readings)

Canister placed on desk top in center of the room

Sketch of Sample Location (s)



Sub-Slab Sampling Probe Measurements													
Project # MN0832		Project Name: <u>SSH5</u>		Southside High School									
Sampling Personnel: <u>D. Mali</u>		Recorded by: <u>J. Radice</u>											
Building #		Date <u>07/14/14</u>		Weather		HS Escort: <u>Indoor</u>							
Slab Thickness: <u>6"</u>		Sub-Slab Probe #: <u>11</u>		Floor Material & Condition: (tile, carpet, cement, etc.) <u>Tile</u>									
Purging Data													
PhoChek Serial #: <u>T-105438</u>		Lamp 10.6/11.7 ev		Calibrated @ Time:		Purge Method		Direct through Sample Tubing ☐					
GEM 2000 Serial #: <u>GM13798</u>				Calibrated @ Time:		Lung Box/Tedlar Bag ☒							
Results													
PhoChek		Start Time	End Time	Elapsed Time	Purge Rate (LPM)	Water Damaged Used ☒ (n)	Leaks Observed* ☐ (yes) ☒ (no)	PhoChekPID VOCs (☐ ppb ☒ ppm)	CH4	Gem 2000 O2	CO2 Balance		
		11:45	11:52	7				0.6	0.5	0.5	18.8	1.7	79.3
SUMMA Sample		Start Time	End Time	Elapsed Time	Sample ID	SUMMA Canister ID	Flow Controller ID	Initial Vacuum (in Hg)	Final Vacuum (in Hg)	Type (IA, SS, OA)	Size	Shut In Test (☒ yes ☐ no)	Vacuum Held (in Hg)
		11:53	12:00	7	SSH5-07-14-11-SS	15736	F60383	28.64	2.27	SS	12	16	
Notes: <u>SSH5-07-14-14-11-SS (Room 115)</u>													
Building Characterization Data													
Target Area Location		Target Area Dimensions											
OmniGuard Differential Pressure Meter		Model #	Serial #	Start Time	End Time	Elapsed Time	Differential Pressure (in H2O)	HVAC Status (occupied/unoccupied)					
Dwyer 475													
Notes:													
Building ID #		Sample Point ID <u>11</u>											

AIR MONITORING FORM

Site Name SOUTH SIDE HIGH SCHOOL Project ID MN0832
 Sampler Name WERTZ/WADHAWAN
 Sample Location: Building SOUTH SIDE HIGH SCHOOL Floor FIRST Room 116
 Sample Type: 6 Liter Summa INDOOR AIR - SHR Weather Conditions SUNNY w/ SOME CLOUDS
 Analytical Method (circle one): TO-15 SIM and TO-15 Scan

Sample ID	Canister ID	Regulator ID	Start		End	
			Vacuum (in Hg)	Time	Time	Date
SSHS-07-08-14 -12-1A	12009	FC00867	28.76	07:38	17:09	07-08-14

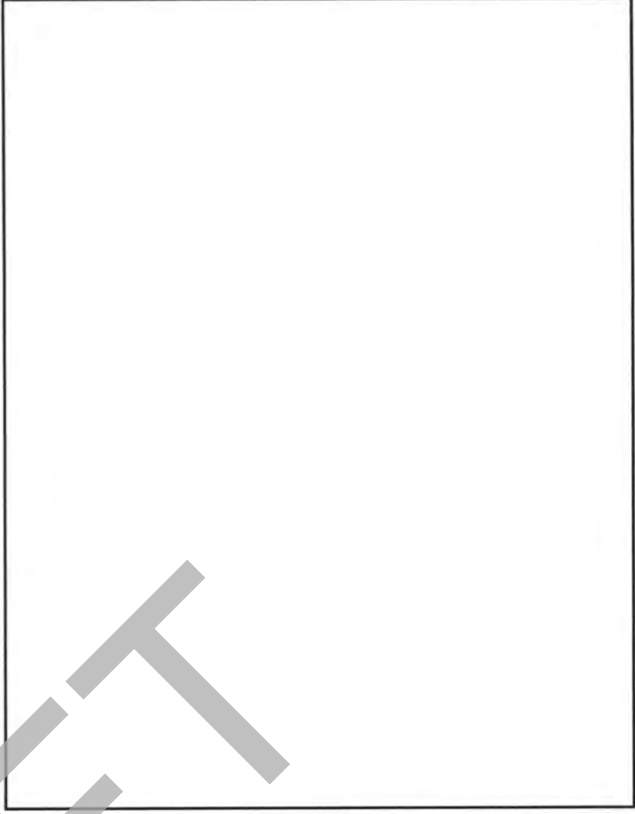
Room Temperature 70°F

PID Reading _____ (ppm)

Other Comments (e.g., PID readings, intermediate vacuum readings)

Canister placed on desk top in center of the room

Sketch of Sample Location (s)



Sub-Slab Sampling Probe Measurements										
Project # MN0832		Project Name: SSHS		Southside High School						
Sampling Personnel:		D. Mali		Recorded by: S. Reddick						
Building #		S. Reddick		HS Escort:						
Slab Thickness: 5"		Date 07/14/14		Weather: Cloudy						
Sub-Slab Probe #: 12		Floor Material & Condition: (tile, carpet, cement, etc.) Tile								
Purging Data										
PhoChek Serial #: T-105438		Lamp 10.6/11.7 ev		Calibrated @ Time:		Purge Method		Direct through Sample Tubing ☐		
GEM 2000 Serial #: G-113798				Calibrated @ Time:		Lung Box/Tedlar Bag ☒				
Results										
PhoChek		Start Time	End Time	Elapsed Time	Purge Rate (LPM)	Water Dam Used ☐ (n)	Leaks Observed* ☐ (yes) ☒ (no)	PhoChekPID VOCs (☐ ppb ☒ ppm)	CH4	Gem 2000 O2 CO2 Balance
		11:22	11:29					0.0	0.0	20.4 0.0 79.6
GEM 2000								0.0	0.0	20.4 0.0 79.6
SUMMA Sample		Start Time	End Time	Elapsed Time	Sample ID	SUMMA Canister ID	Flow Controller ID	Initial Vacuum (in Hg)	Final Vacuum (in Hg)	Type (IA, SS, OA)
		11:30	11:36	6 min	SSH-07-14-12-SS	37766	FLOCS1	28.73	2.62	SS
Notes:		SSH-07-14-12-SS (Room 116)								
Building Characterization Data										
Target Area Location		Target Area Dimensions								
OmniGuard Differential Pressure Meter		Model #	Serial #	Start Time	End Time	Elapsed Time	Differential Pressure (in H2O)	HVAC Status (occupied/unoccupied)		
Dwyer 475										
Notes:										
Building ID #		Sample Point ID 12								

Sample Point ID 12

AIR MONITORING FORM

Site Name SOUTH SIDE HIGH SCHOOL Project ID MN0832

Sampler Name WERTZ / WADHAWAN

Sample Location: Building SOUTH SIDE HIGH SCHOOL Floor FIRST Room 111

Sample Type: 6 Liter Summa INDOOR AIR - 8HR Weather Conditions SUNNY w/ SOME CLOUDS

Analytical Method (circle one): TO-15 SIM and TO-15 Scan

Sample ID	Canister ID	Regulator ID	Start		End	
			Vacuum (in Hg)	Time	Vacuum (in Hg)	Time
<u>SSH5-07-08-14</u> <u>-13-1A</u>	<u>409</u>	<u>FC00253</u>	<u>28.56</u>	<u>07:40</u>	<u>3.98</u>	<u>17:10</u>

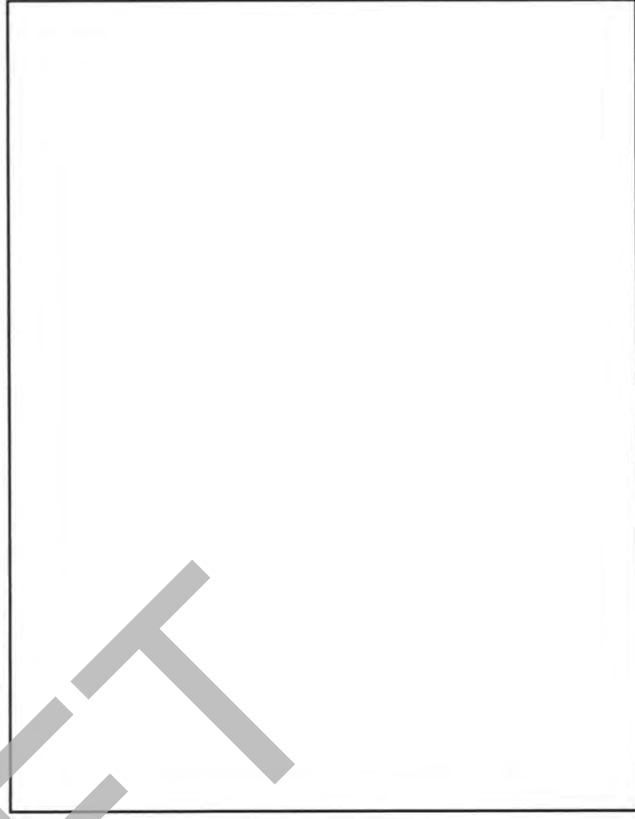
Room Temperature 70°F

PID Reading — (ppm)

Other Comments (e.g., PID readings, intermediate vacuum readings)

Canister placed on desktop in center of
the room

Sketch of Sample Location (s)



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103 ~~103~~

Start	Time	Date
07:42	07-08-14	

Sketch of Sample Location (s)

(ppm.)

103

Other Comments (e.g., PID readings, intermediate vacuum readings)

Sketch of Sample Location (s)

Sub-Slab Sampling Probe Measurements															
Project # MN0832		Project Name: Southside High School													
Sampling Personnel: <i>Darius Mc...</i>		Recorded by: <i>DM</i>													
Building #		HS Escort:													
Slab Thickness: <i>5 1/2"</i>		Date: <i>07/14/14</i>		Weather: <i>Indoors</i>		Floor Material & Condition: (tile, carpet, cement, etc.) <i>Tile</i>									
Sub-Slab Probe #: <i>14</i>															
Purging Data															
PhoChek Serial #: <i>T-105438</i>		Lamp: <i>08/11/14</i>		Calibrated @ Time:		Purge Method:		Direct through Sample Tubing ☐							
GEM 2000 Serial #:				Calibrated @ Time:		Lung Box/Tedlar Bag ☒									
Results															
Start Time		End Time		Elapsed Time		Purge Rate (LPM)		Water Dam Leaks Used ☒ (no)		PhoChekPID VOCs (☐ ppb ☒ ppm)		CH4		Gem 2000 O2 CO2 Balance	
13:15		13:22		7 min						0.3		0.3		0.0 17.0 2.8 80.6	
SUMMA Sample		Start Time		End Time		Elapsed Time		Sample ID		SUMMA Canister ID		Flow Controller ID		Initial Vacuum (in Hg)	
		13:26		13:31		5 min		SSHS-07-14-14-SS		31774		40792		2216	
														Final Vacuum (in Hg)	
														2.83	
														Type (IA, SS, OA)	
														SS	
														Size (in Hg)	
														12 10	
Notes: SSHS-07-14-14-SS (Room 106)															
Building Characterization Data															
Target Area Location															
Target Area Dimensions															
Omniguard Differential Pressure Meter		Model #		Serial #		Start Time		End Time		Elapsed Time		Differential Pressure (in H2O)		HVAC Status (occupied/unoccupied)	
Dwyer 475															
Notes: Reading ambient as 0.2 ppm on PID															
Building ID #															
Sample Point ID <i>14</i>															

AIR MONITORING FORM

Site Name SOUTH SIDE HIGH SCHOOL Project ID MN0832
 Sampler Name WERTZ / WADHAWAN
 Sample Location: Building SOUTH SIDE HIGH SCHOOL Floor FIRST Room 105
 Sample Type: 6 Liter Summa INDOOR AIR - 8HR Weather Conditions SUNNY w/ SOME CLOUDS
 Analytical Method (circle one): TO-15 SIM and TO-15 Scan

Sample ID	Canister ID	Regulator ID	Start			End		
			Vacuum (in Hg)	Time	Date	Vacuum (in Hg)	Time	Date
SSHS-07-08-14-15-1A	5580	FC00787	28.58	07:44	07-08-14	4.40	17:13	07-08-14

Room Temperature 70°F
 PID Reading (ppm.)
 Other Comments (e.g., PID readings, intermediate vacuum readings)
Canister placed on desktop in center of the room
Room 105 - Point 15
 Sketch of Sample Location (s)

Sub-Slab Sampling Probe Measurements											
Project # MN0832		Project Name: Southside High School									
Sampling Personnel: DM/MN		Recorded by: DM/MN		HS Escort:							
Building #		Date 07/14/14		Weather Inders							
Slab Thickness: 6 3/4"		Sub-Slab Probe #: 15		Floor Material & Condition: (tile, carpet, cement, etc.) ~~Inders~~ Tile HG							
Purging Data											
PhoChek Serial #: T-105438		Lamp 08/11/14		Calibrated @ Time:		Purge Method		Direct through Sample Tubing ☐			
GEM 2000 Serial #: GM13798				Calibrated @ Time:		Lung Box/Tedlar Bag ☒					
Results											
		Purge Rate (LPM)		Water Dam Leaks Used ☒ Observed* ☐ (yes/no)		PhoChekPID VOCs (☐ ppb ☒ ppm)		CH4		Gem 2000 O2 CO2 Balance	
PhoChek		14:13		14:21		8		0.1		0.0 20.2 0.4 79.4	
GEM 2000								0.0		20.2 0.5 79.4	
SUMMA Sample		14:23		14:29		6		Initial Vacuum (in Hg) 26.08		Final Vacuum (in Hg) 3.95	
		Start Time		End Time		Elapsed Time		Sample ID		SUMMA Canister ID	
		14:23		14:29		6		SSHS-07-14-14-15-SS		36545	
		Start Time		End Time		Elapsed Time		Flow Controller ID		Type (IA,SS,OA)	
		14:23		14:29		6		F200373		SS	
Notes: Room 105 #15											
Building Characterization Data											
Target Area Location		Target Area Dimensions									
Omniguard Differential Pressure Meter		Model #		Serial #		Start Time		End Time		Elapsed Time	
Dwyer 475										HVAC Status (occupied/unoccupied)	
Notes:											
Building ID #		Sample Point ID 15									

AIR MONITORING FORM

Site Name SOUTH SIDE HIGH SCHOOL Project ID MN0832
 Sampler Name WERTZ / WADHAWAN
 Sample Location: Building SOUTH SIDE HIGH SCHOOL Floor ROOF TOP Room —
 Sample Type: 6 Liter Summa OUTDOOR AIR - 8HR Weather Conditions SUNNY w/ SOME CLOUDS
 Analytical Method (circle one): TO-15 SIM and TO-15 Scan

Sample ID	Canister ID	Regulator ID	Start			End		
			Vacuum (in Hg)	Time	Date	Vacuum (in Hg)	Time	Date
SSH5-07-08-14 -0A-01	5578	not noted	28.60	08:00	07-08-14	4.13	17:27	07-08-14

Room Temperature —

PID Reading — (ppm)

Other Comments (e.g., PID readings, intermediate vacuum readings)

Sketch of Sample Location (s)

AIR MONITORING FORM

Site Name SOUTH SIDE HIGH SCHOOL Project ID MN0832

Sampler Name WERTZ/WADHAWAN

Sample Location: Building SOUTH SIDE HIGH SCHOOL Floor FIRST Room 127

Sample Type: 6 Liter Summa INDOOR AIR - 16 HR Weather Conditions SONNY PARTLY CLOUDY

Analytical Method (circle one): TO-15 SIM and TO-15 Scan

Sample ID	Canister ID	Regulator ID	Start			End		
			Vacuum (in Hg)	Time	Date	Vacuum (in Hg)	Time	Date
SSHS-07-08-14 -EADN-127	33563	not noted	28.63	16:50	07-08-14	3.88	09:00	07-09-14

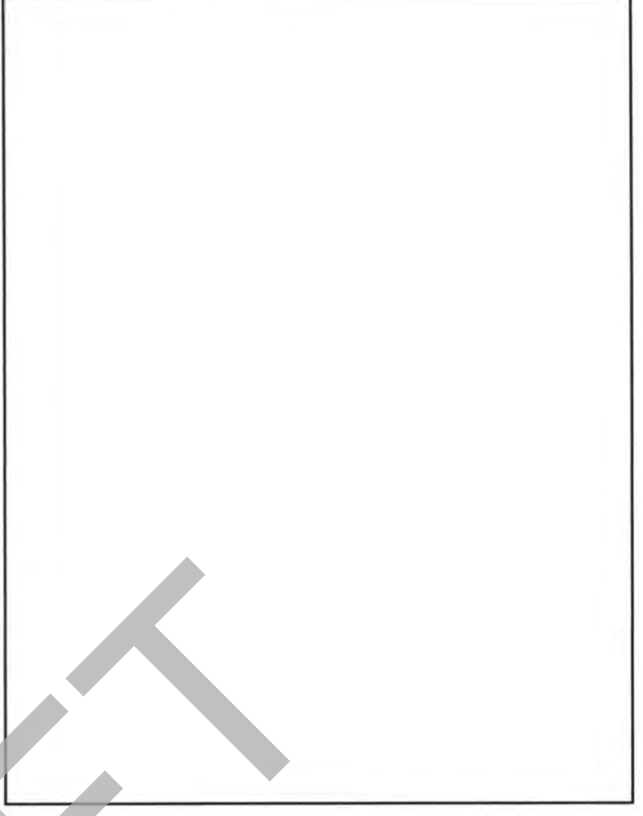
Room Temperature 70°F

PID Reading — (ppm.)

Other Comments (e.g., PID readings, intermediate vacuum readings)

HVAC turned off at 16:50 on 07-08-14.
Canister placed on desktop in center of
the room

Sketch of Sample Location (s)



AIR MONITORING FORM

Site Name SOUTH SIDE HIGH SCHOOL Project ID MN0832

Sampler Name WERTZ / WADHAWAN

Sample Location: Building SOUTH SIDE HIGH SCHOOL Floor ROOF TOP Room ---

Sample Type: 6 Liter Summa OUTDOOR AIR - 16 HR Weather Conditions PARTLY CLOUDY

Analytical Method (circle one): TO-15 SIM and TO-15 Scan

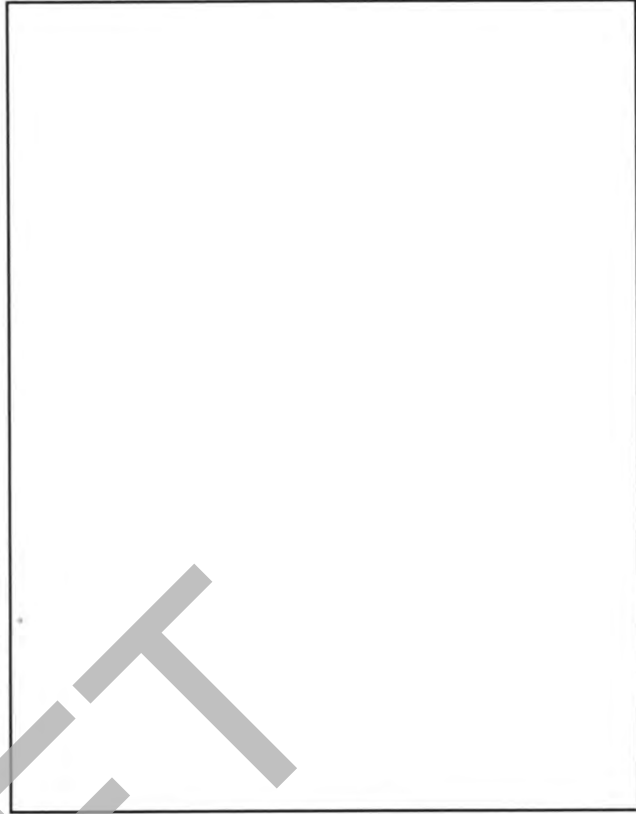
Sample ID	Canister ID	Regulator ID	Start		End	
			Vacuum (in Hg)	Time	Vacuum (in Hg)	Date
SSHS-07-08-14 -0809-01	6L0030	not used	28.57	17:27	4.73	07-08-14

Room Temperature ---

PID Reading --- (ppm)

Other Comments (e.g., PID readings, intermediate vacuum readings)

Sketch of Sample Location (s)



AIR MONITORING FORM

Site Name SOUTH SIDE HIGH SCHOOL Project ID MN0832

Sampler Name WERTZ / WASHAGAN

Sample Location: Building SOUTH SIDE HIGH SCHOOL Floor FIRST Room AUDITORIUM 163

Sample Type: 6 Liter Summa INDOOR AIR - BAK Weather Conditions SUNNY w/ SOME CLOUDS

Analytical Method (circle one): TO-15 SIM and TO-15 Scan

Sample ID	Canister ID	Regulator ID	Start			End		
			Vacuum (in Hg)	Time	Date	Vacuum (in Hg)	Time	Date
SSHS-07-10-14-16-1A	5731	FC00254	28.45	07:37	07-10-14	3.63	17:16	07-10-14

Room Temperature 70° F

PID Reading _____ (ppm.)

Other Comments (e.g., PID readings, intermediate vacuum readings)

Canister placed on chairs in center of the room

Sketch of Sample Location (s)

AIR MONITORING FORM

Site Name SOUTH SIDE HIGH SCHOOL Project ID MN0832
 Sampler Name WERTZ / WADSWORTH
 Sample Location: Building SOUTH SIDE HIGH SCHOOL Floor FIRST Room Auditorium 163
 Sample Type: 6 Liter Summa INDOOR AIR - SHR Weather Conditions SUNNY w/ SOME CLOUDS DUP
 Analytical Method (circle one): TO-15 SIM and TO-15 Scan

Sample ID	Canister ID	Regulator ID	Start		End	
			Vacuum (in Hg)	Time	Vacuum (in Hg)	Time
SSH-07-10-14 -16-1A-DUP	13852	FC00399	28.97	07:37	4.44	17:16

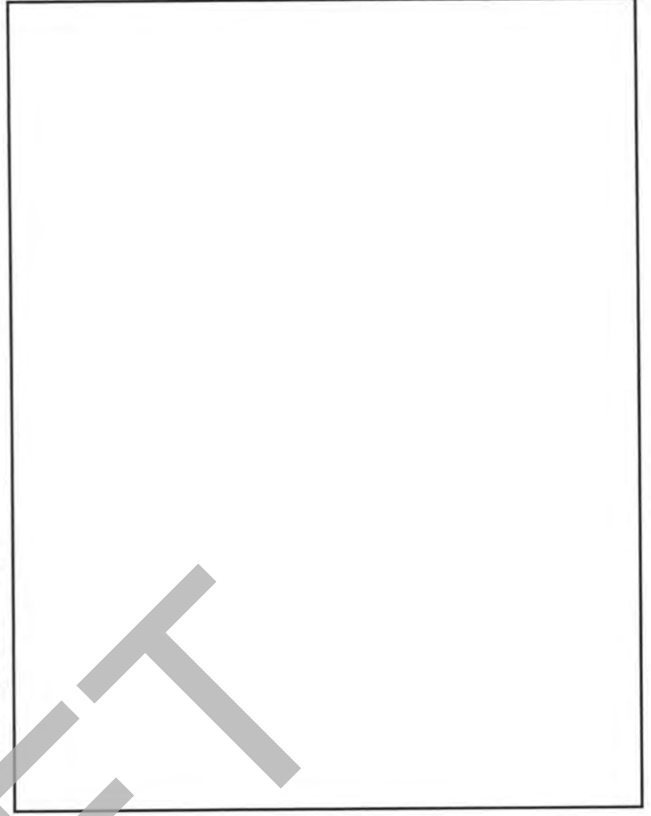
Room Temperature 70°F

PID Reading — (ppm.)

Other Comments (e.g., PID readings, intermediate vacuum readings)

Canister placed on chairs in the
center of the room

Sketch of Sample Location (s)



Sub-Slab Sampling Probe Measurements											
Project # MN0832		Project Name: <u>SSHS</u>		Southside High School							
Sampling Personnel: <u>DM/SR</u>		Recorded by: <u>DM/JR</u>									
Building #		Date: <u>07/14/14</u>		Weather: <u>Indoors</u>		HS Escort:					
Slab Thickness: <u>7.5" ll</u>		Sub-Slab Probe #: <u>16</u>		Floor Material & Condition: (tile, carpet, cement, etc.) <u>Concrete</u>							
Purging Data											
PhoChek Serial #: <u>T-105438</u>		Lamp: <u>10.6/11.7 ev</u>		Calibrated @ Time:		Purge Method		Direct through Sample Tubing ☐			
GEM 2000 Serial #: <u>GEM13798</u>				Calibrated @ Time:		Lung Box/Tedlar Bag ☒					
Results											
		Purge Rate (LPM)		Water Dam Leaks Used ☒ Observed* ☒ (yes/no)		PhoChekPID VOCs (☐ ppb ☒ ppm)		CH4		Gem 2000 O2 CO2 Balance	
PhoChek		15:14		7 min		0.3 0.2		0.2		0.0 20.3 0.3 79.4	
GEM 2000										0.0 20.3 0.4 79.3	
SUMMA Sample		Start Time		Elapsed Time		Sample ID		Initial Vacuum (in Hg)		Final Vacuum (in Hg)	
		15:22		5 min		SSHS-07-14-14-16-SS		28.05		3.85	
		End Time				SUMMA Canister ID		Flow Controller ID		Type (IA,SS,OA)	
		15:27				12377		F00451		SS 1L	
		End Time				Sample ID		Initial Vacuum (in Hg)		Final Vacuum (in Hg)	
		15:27		5 min		SSHS-07-14-14-16-SS		28.05		3.85	
		End Time				SUMMA Canister ID		Flow Controller ID		Type (IA,SS,OA)	
		15:27		5 min		12377		F00451		SS 1L	
Notes: <u>SSHS-07-14-14-16-SS (Back Stage)</u>											
Building Characterization Data											
Target Area Location											
Target Area Dimensions											
Omniguard Differential Pressure Meter		Model #		Serial #		Start Time		End Time		Elapsed Time	
										HVAC Status (occupied/unoccupied)	
Dwyer 475											
Notes:											
Building ID #		Sample Point ID <u>16</u>									

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Site Name SOUTH SIDE HIGH SCHOOL Project ID MN0832

Sampler Name WERTZ / WADHAWAN Floor FIRST Room 136 A

Sample Location: Building SOUTH SIDE HIGH SCHOOL

Sample Type: 6 Liter Summa INDOOR AIR - 8 HR Weather Conditions SUNNY w/ SOME CLOUDS

Analytical Method (circle one): TO-15 SIM and TO-15 Scan

[illegible]Sketch of Sample Location (s)

Sub-Slab Sampling Probe Measurements											
Project # MN0832		Project Name: <u>SSH5</u>		Southside High School							
Sampling Personnel: <u>Jon Radtke</u>		Recorded by: <u>JR.</u>									
Building # <u>Todd Center</u>		HS Escort:									
Date <u>14 July 2014</u>		Weather <u>Indoors</u>									
Slab Thickness: <u>7"</u>		Sub-Slab Probe #: <u>17</u>		Floor Material & Condition: (tile, carpet, cement, etc.) <u>cement</u>							
Purging Data											
PhoChek Serial #: <u>T-105438</u>		Lamp <u>10/11/17</u> ev		Calibrated @ Time:		Purge Method		Direct through Sample Tubing ☐			
GEM 2000 Serial #: <u>6413798</u>		Calibrated @ Time:		Purge Method		Lung Box/Tedlar Bag ☒					
Results											
PhoChek		Start Time	End Time	Elapsed Time	Purge Rate (LPM)	Water Damaged Used ☒ (n)	Leaks Observed* (☐ yes ☒ no)	PhoChekPID VOCs (☐ ppb ☒ ppm)		CH4	Gem 2000 O2 <u>20.6</u> Balance
GEM 2000											
SUMMA Sample		Start Time	End Time	Elapsed Time	Sample ID	SUMMA Canister ID	Flow Controller ID	Initial Vacuum (in Hg)	Final Vacuum (in Hg)	Type (IA, SS, OA)	Size Shut In Test (☒ yes ☐ no) Vacuum Held (in Hg)
		17:55	18:05					0.3	0.2	0.2	0.2 20.6 79.2
		18:00	18:14	6 min	SSH5-07-14-14-17-55	34606	FL00530	27.98	2.37	SS	14
Notes: <u>SSH5-07-14-14-17-55 Service Hallway (Room 136A)</u>											
Building Characterization Data											
Target Area Location											
Target Area Dimensions											
Omniguard Differential Pressure Meter		Model #	Serial #	Start Time	End Time	Elapsed Time		Differential Pressure (in H2O)		HVAC Status (occupied/unoccupied)	
Dwyer 475											
Notes: <u>PID Reading Background air is 0.2</u>											
Building ID #											
Sample Point ID											

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Analytical Method (circle one): (TO-15 SIM) and TO-15 Scan[illegible]Sketch of Sample Location (s)

Sub-Slab Sampling Probe Measurements									
Project # MN0832		Project Name: Southside High School							
Sampling Personnel: T Greamer		Recorded by: C Greamer							
Building #		HS Escort: Joradio							
Slab Thickness: 6.5"		Date: 14 July 2014	Weather: mostly cloudy		Floor Material & Condition: (tile, carpet, cement, etc.) cement				
Sub-Slab Probe #: 18									
Purging Data									
PhoChek Serial #: T-105454		Lamp 10.6/11.7 ev		Calibrated @ Time:		Purge Method		Direct through Sample Tubing ☐	
GEM 2000 Serial #: GM07759				Calibrated @ Time:		Lung Box/Tedlar Bag ☒			
Results									
PhoChek		Start Time	End Time	Elapsed Time	Purge Rate (LPM)	Water Damaged ☒ Observed* ☒ (yes/no)	PhoChekPID VOCs (☐ ppb ☒ ppm)		Gem 2000 O2 CO2 Balance
		18:40	18:47				0.0		0.0 19.9 0.8
SUMMA Sample		Start Time	End Time	Elapsed Time	Sample ID	SUMMA Canister ID	Initial Vacuum (in Hg)	Final Vacuum (in Hg)	Shut In Test (yes/no) Vacuum He id (in Hg)
		1850	19:05	15 min	SSHS-07-14-18-55	207BS	28.62	3.04	0.0 19.9 0.9
Notes: SSHS-07-14-14-18-55 Mechanical storage area									
Building Characterization Data									
Target Area Location									
Target Area Dimensions									
OmniGuard Differential Pressure Meter		Model #	Serial #	Start Time	End Time	Elapsed Time	Differential Pressure (in H2O)	HVAC Status (occupied/unoccupied)	
Dwyer 475									
Notes: confirmed 0.0 ppm w/ other PID on 3rd bag									
Building ID #		Sample Point ID 18							

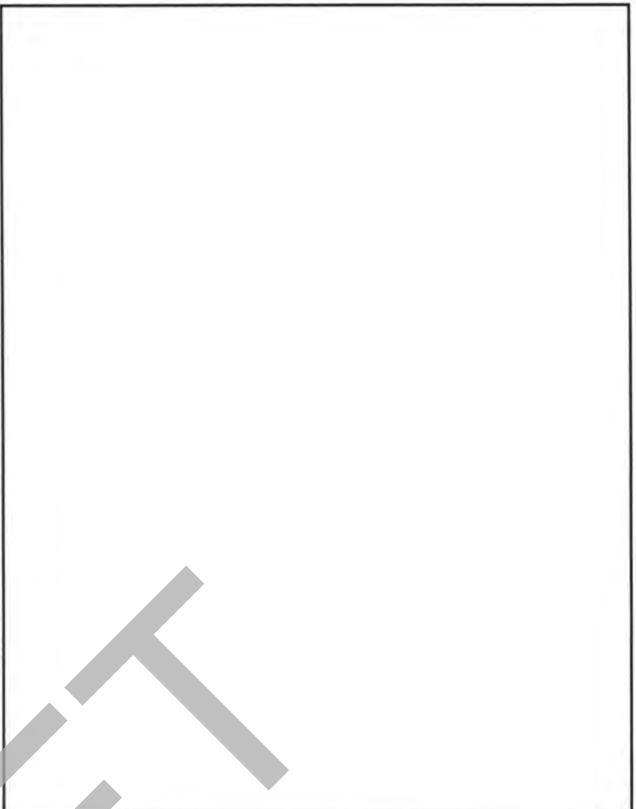
AIR MONITORING FORM

Site Name SOUTH SIDE HIGH SCHOOL Project ID MN0832
 Sampler Name WERTZ / WADHAWAN
 Sample Location: Building SOUTH SIDE HIGH SCHOOL Floor FIRST Room ~~113~~ 138A
 Sample Type: 6 Liter Summa INDOOR AIR - 8H Weather Conditions SUNNY w/ SOME CLOUDS
 Analytical Method (circle one): TO-15 SIM and TO-15 Scan

Sample ID	Canister ID	Regulator ID	Start		End	
			Vacuum (in Hg)	Time	Vacuum (in Hg)	Date
SSH5-07-10-14 -19-1A	34278	FC00287	28.95	08:09	4.41	07-10-14

Room Temperature 70°F
 PID Reading _____ (ppm)
 Other Comments (e.g., PID readings, intermediate vacuum readings)
Canister placed on ~~wooden~~ desktop
center of the room

Sketch of Sample Location (s)



Sub-Slab Sampling Probe Measurements											
Project # MN0832		Project Name: Southside High School									
Sampling Personnel: DM/SR		Recorded by: DM/SR									
Building #		HS Escort:									
Date: 07/14/14		Weather: Indoors									
Slab Thickness: 0.74"		Sub-Slab Probe #: 19 Floor Material & Condition: (tile, carpet, cement, etc.) tile									
Purging Data											
PhoChek Serial #: 7-1054		Lamp 10.6/11.7 ev		Calibrated @ Time:		Purge Method		Direct through Sample Tubing ☐			
GEM 2000 Serial #:				Calibrated @ Time:		Lung Box/Tedlar Bag ☒					
Results											
		Start Time	End Time	Elapsed Time	Purge Rate (LPM)	Water Dam Leaks Used (☐) Observed* (☐)yes (☐)no	PhoChekPID VOCs (☐ ppb (☒ ppm)	CH4	Gem 2000 O2	CO2	Balance
PhoChek	15:36						2.2	0.4	20.2	0.3	74.5
GEM 2000	16:42	16:49	7 min						20.3	0.4	79.3
SUMMA Sample	16:51	16:58	7 min	5:15-07-14-14-19-SS	Sample ID	SUMMA Canister ID: 30831	Flow Controller ID: F00028	Initial Vacuum (in Hg): 28.60	Final Vacuum (in Hg): 4.81	Type (IA, SS, OA): SS	Size: 1L
Notes: SSHS-07-14-14-19-SS (Room 138A)											
Building Characterization Data											
Target Area Location		Target Area Dimensions									
OmniGuard Differential Pressure Meter		Model #	Serial #	Start Time	End Time	Elapsed Time	Differential Pressure (in H2O)	HVAC Status (occupied/unoccupied)			
Dwyer 475											
Notes:											
Building ID #		Sample Point ID 19									

AIR MONITORING FORM

Site Name SOUTH SIDE HIGH SCHOOL Project ID MN0832
 Sampler Name WERTZ / WADHAWAN
 Sample Location: Building SOUTH SIDE HIGH SCHOOL Floor FIRST Room 142 (workout)
 Sample Type: 6 Liter Summa INDOOR AIR - RHR Weather Conditions SUNNY w/ SOME CLOUDS
 Analytical Method (circle one): (TO-15 SIM) and TO-15 Scan

Sample ID	Canister ID	Regulator ID	Start			End		
			Vacuum (in Hg)	Time	Date	Vacuum (in Hg)	Time	Date
SSHS-07-10-14 -20-1A	14007	FC00877	28.46	08:17	07-10-14	3.92	17:29	07-10-14

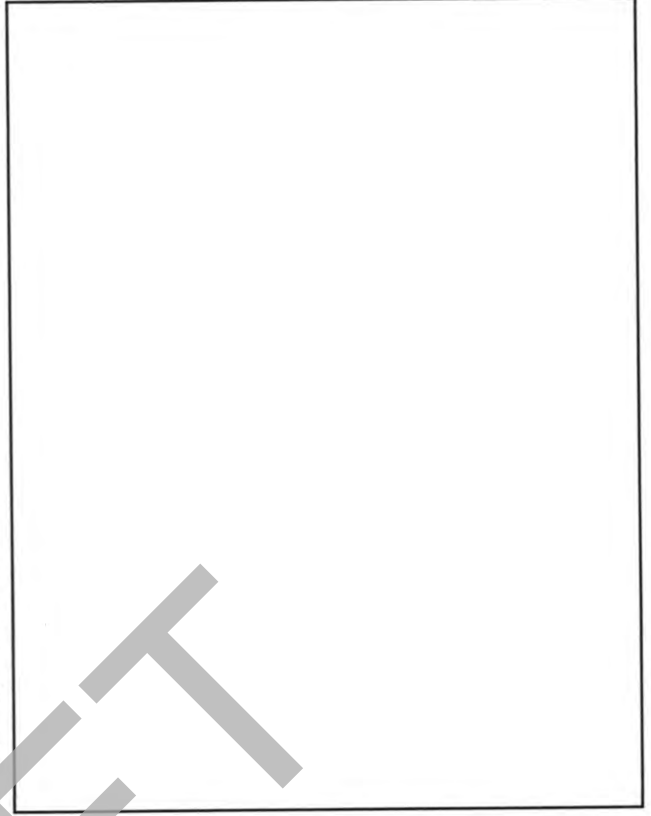
Room Temperature 70°F

PID Reading _____ (ppm.)

Other Comments (e.g., PID readings, intermediate vacuum readings)

Canister placed on workout step stool
in center of the room

Sketch of Sample Location (s)



Sub-Slab Sampling Probe Measurements												
Project # MN0832		Project Name: Southside High School										
Sampling Personnel: DM/SR		Recorded by: DM/SR										
Building #		Date: 07/14/14		Weather								
Slab Thickness: 8 1/2"		Sub-Slab Probe #: 20		Floor Material & Condition: (tile, carpet, cement, etc.) FSR								
Purging Data												
PhoChek Serial #: T-105418		Lamp: 11.7 ev		Calibrated @ Time:		Purge Method		Direct through Sample Tubing ☐				
GEM 2000 Serial #: GM13798				Calibrated @ Time:		Lung Box/Tedlar Bag ☒						
Results												
	Start Time	End Time	Elapsed Time	Purge Rate (LPM)	Water Damaged Used (by ☒ No ☐ Yes ☐)	Leakage Observed* (☐ Yes ☒ No)	PhoChekPID VOCs (☐ ppb ☒ ppm)	CH4	Gem 2000 O2	CO2	Balance	
PhoChek	15:58	16:04	6 min				0.4	0.2	0.0	20.3	0.2	79.5
GEM 2000									8.0	20.4	0.2	79.4
SUMMA Sample	16:51	17:01	5 min	15754	SUMMA Canister ID: 5545-07-14-14-20-SS	Flow Controller ID: F600104	Initial Vacuum (in Hg): 28.05	Final Vacuum (in Hg): 3.45	SS	7L	10" Hg	
Notes: Room 142 (workout room)												
Building Characterization Data												
Target Area Location				Target Area Dimensions								
OmniGuard Differential Pressure Meter		Model #	Serial #	Start Time	End Time	Elapsed Time	Differential Pressure (in H2O)	HVAC Status (occupied/unoccupied)				
Dwyer 475												
Notes: Faulty tee, went to direct connection from port through sample controller into the SUMMA.												
Building ID #										Sample Point ID: 20		

AIR MONITORING FORM

Site Name SOUTH SIDE HIGH SCHOOL Project ID MN0832
 Sampler Name WERTZ / WAN HAWAN
 Sample Location: Building SOUTH SIDE HIGH SCHOOL Floor FIRST Room 145 (NURSE)
 Sample Type: 6 Liter Summa INDOOR AIR - SHR Weather Conditions SUNNY w/ SOME CLOUDS
 Analytical Method (circle one): TO-15 SIM and TO-15 Scan

Sample ID	Canister ID	Regulator ID	Start		End	
			Vacuum (in Hg)	Time	Vacuum (in Hg)	Time
SSHS-07-10-14 -21-1A	33862	FC00863	28.83	07:35	3.48	15:20

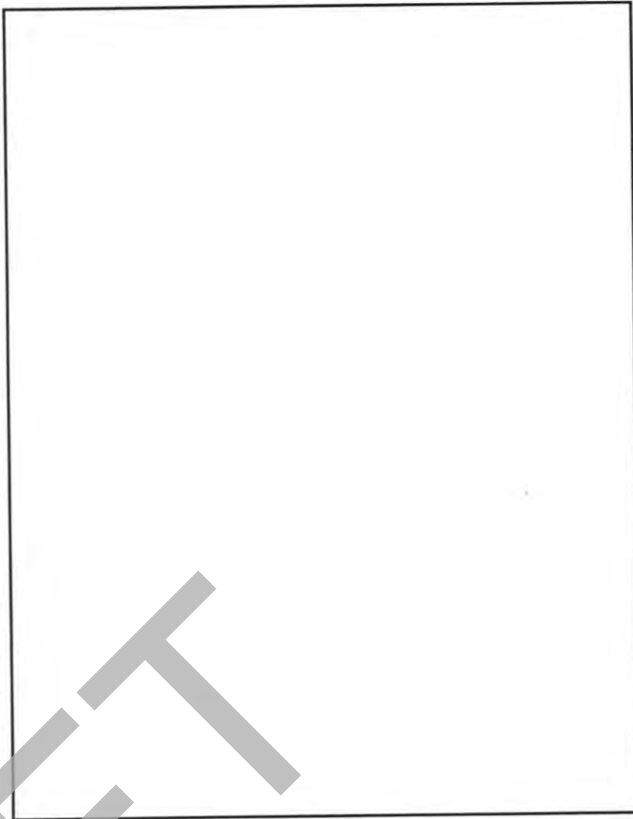
Room Temperature 70°F

PID Reading — (ppm)

Other Comments (e.g., PID readings, intermediate vacuum readings)

Canisters placed on ~~top~~ desktop in center of the room. Collected a duplicate

Sketch of Sample Location (s)



AIR MONITORING FORM

Site Name SOUTH SIDE HIGH SCHOOL Project ID MN0832
 Sampler Name WEETZ/WADHAWAN
 Sample Location: Building SOUTH SIDE HIGH SCHOOL Floor FIRST Room 145 (NURSE)
 Sample Type: 6 Liter Summa INDOOR AIR - CAR Weather Conditions SUNNY
 Analytical Method (circle one): TO-15 SIM and TO-15 Scan

Sample ID	Canister ID	Regulator ID	Start		End	
			Vacuum (in Hg)	Time	Vacuum (in Hg)	Time
SSHS-07-10-14 -21-JA-DUP	25254	FC00890	27.60	07:35	3.28	17:13

Room Temperature 70°F Sketch of Sample Location (s)

PID Reading _____ (ppm.)

Other Comments (e.g., PID readings, intermediate vacuum readings)

Canisters placed on desktop in center of room.

Sub-Slab Sampling Probe Measurements											
Project # MN0832		Project Name: Southside High School									
Sampling Personnel: SA DM		Recorded by: JR		HS Escort:							
Building # Room 1453E		Date 7/14/14		Weather Indoors							
Slab Thickness: 8.0"		Sub-Slab Probe #: 21		Floor Material & Condition: (tile, carpet, cement, etc.) T.C.							
Purging Data											
PhoChek Serial #:		Lamp 10.6/11.7 ev		Calibrated @ Time:		Purge Method		Direct through Sample Tubing ☐			
GEM 2000 Serial #:				Calibrated @ Time:		Lung Box/Tedlar Bag ☒					
Results											
	Start Time	End Time	Elapsed Time	Purge Rate (LPM)	Water Dam Used ☒ (yes) ☐ (no)	Leaks Observed* ☒ (yes) ☐ (no)	PhoChekPID VOCs (☐ ppb ☒ ppm)	CH4	Gem 2000 O2	CO2	Balance
PhoChek	18:25	18:31					0.2	0.3	20.4	0.2	74.2
GEM 2000									20.6	0.2	79.2
SUMMA Sample	Start Time	End Time	Elapsed Time	Sample ID	SUMMA Canister ID	Flow Controller ID	Initial Vacuum (in Hg)	Final Vacuum (in Hg)	Type (IA, SS, OA)	Size	Shut In Test (yes ☐ no ☒)
	18:33	18:39	6 min	54HS-07-14-14-21-35	15737	FLO710	28.05	2.75	SS	IL	Vacuum Held (in Hg) 1.0"
Notes: #21 NUTS ROOM											
Building Characterization Data											
Target Area Location											
Target Area Dimensions											
OmniGuard Differential Pressure Meter		Model #	Serial #	Start Time	End Time	Elapsed Time	Differential Pressure (in H2O)	HVAC Status (occupied/unoccupied)			
Dwyer 475											
Notes: Water dam failed! - SMALL BEADS OF WATER ON 1ST ATTEMPT - STOPPED SAMPLING - WAITED 15 MIN REPAIRED TUBING IN LOWER TUBING NO WATER IN CANISTERS RE-SAMPLED											
Building ID #		Sample Point ID 21									

Sub-Slab Sampling Probe Measurements											
Project # MN0832		Project Name: Southside High School									
Sampling Personnel:				Recorded by:							
				HS Escort:							
Building #		Date		Weather							
Slab Thickness:		Sub-Slab Probe #:		Floor Material & Condition: (tile, carpet, cement, etc.)							
Purging Data											
PhoChek Serial #:		Lamp 10.6/11.7 ev		Calibrated @ Time:		Purge Method		Direct through Sample Tubing ☐			
GEM 2000 Serial #:				Calibrated @ Time:		Lung Box/Tedlar Bag ☐					
Results											
		Start Time		End Time		Elapsed Time		Purge Rate (LPM)		Water Dam Leaks Observed* (yes no)	
PhoChek											
GEM 2000										PhoChekPID VOCs (☐ ppb ☐ ppm)	
										CH4	
										Gem 2000 O2 CO2 Balance	
SUMMA Sample		Start Time		End Time		Elapsed Time		Sample ID		SUMMA Canister ID	
		18:33		18:46		13min		5545-07-14-14 21-55-Dup		37423	
										Flow Controller ID	
										40508	
										Initial Vacuum (in Hg)	
										2482	
										Final Vacuum (in Hg)	
										3.73	
										Type (IA,SS,OA)	
										SS	
										Size	
										1L	
										Shut in Test (☐ yes ☐ no) Vacuum Held (in Hg)	
Notes: #21 (Dup) Nurse's Room 10 dipped elapsed time than investigative sample, this can be filed more slowly											
Building Characterization Data											
Target Area Location											
Target Area Dimensions											
OmniGuard Differential Pressure Meter											
		Model #		Serial #		Start Time		End Time		Elapsed Time	
										HVAC Status (occupied/unoccupied)	
Dwyer 475											
Notes:											
Building ID #											
Sample Point ID											

AIR MONITORING FORM

Site Name SOUTH SIDE HIGH SCHOOL Project ID MW0832
 Sampler Name WERTZ/JADHAWAN
 Sample Location: Building SOUTH SIDE HIGH SCHOOL Floor FIRST Room 171 AUDITORIUM GYM
 Sample Type: 6 Liter Summa INDOOR AIR Weather Conditions SUNNY w/ SOME CLOUDS
 Analytical Method (circle one): TO-15 SIM and TO-15 Scan

Sample ID	Canister ID	Regulator ID	Start		End	
			Vacuum (in Hg)	Time	Vacuum (in Hg)	Date
<u>SM15-07-10-14</u> <u>-22-1A</u>	<u>32126</u>	<u>0000006717</u>	<u>28.95</u>	<u>07:30</u>	<u>4.16</u>	<u>07-10-14</u>

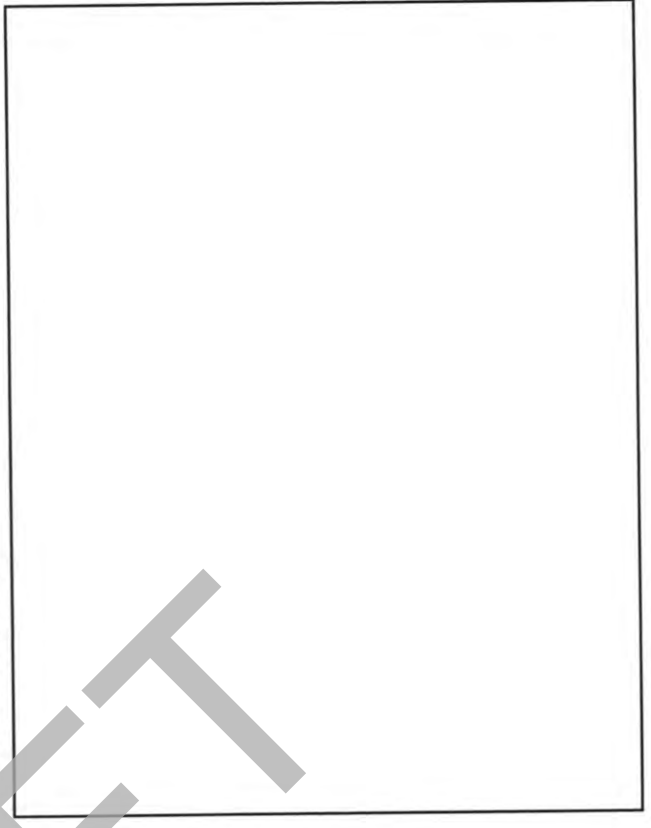
Room Temperature 70°F

PID Reading (ppm)

Other Comments (e.g., PID readings, intermediate vacuum readings)

Canisters placed on benchtop in center of
the room. Collected a duplicate sample

Sketch of Sample Location (s)



Geosyntec
consultants

Site Name SOUTH SIDE HIGH SCHOOL Project ID MN0832

Sampler Name WERTZ / WADHAWAN

Sample Location: Building SOUTH SIDE HIGH SCHOOL Floor FIRST Room 171 AUXILIARY GYM

Sample Type: 6 Liter Summa INDOOR AIR - 8H Weather Conditions SOINY w/ SOME CLOUDS

Analytical Method (circle one): TO-15 SIM and TO-15 Scan

[illegible]

Room Temperature 70°F

PID Reading — (ppm)

Other Comments (e.g., PID readings, intermediate vacuum readings)

Canisters placed on benchtop in center
of the room

Sketch of Sample Location (s)

Sub-Slab Sampling Probe Measurements											
Project # MN0832		Project Name: Southside High School									
Sampling Personnel: mm/dm		Recorded by: mm/dm									
		HS Escort:									
Building # 171 #22		Date 7/14/14		Weather Indirect							
Slab Thickness: 6"		Sub-Slab Probe #: 22		Floor Material & Condition: (tile, carpet, cement, etc.) ~~Thin Concrete~~							
Purging Data											
PhoChek Serial #: T-105454		Lamp 10.6/11.7 ev		Calibrated @ Time:		Purge Method		Direct through Sample Tubing ☐			
GEM 2000 Serial #: GM07759				Calibrated @ Time:		Lung Box/Tedlar Bag ☒					
Results											
		Purge Rate (LPM)		Water Dam Leaks Used (☒ Yes ☐ No)		PhoChekPID VOCs (☐ ppb ☒ ppm)		CH4		Gem 2000 O2 CO2 Balance	
PhoChek						1.2		1.0		20.6 0.0 79.4	
GEM 2000								0.0		20.6 0.0 79.4	
SUMMA Sample		Start Time		Elapsed Time		Sample ID		SUMMA Canister ID		Flow Controller ID	
		18:37		8 min		545-07-14-14-22-5		8003		FL00670	
		Start Time		Elapsed Time		Initial Vacuum (in Hg)		Final Vacuum (in Hg)		Type (IA, SS, OA)	
						28.67		3.88		SS	
								Size		Shut In Test (Yes ☐ No ☒)	
								See notes		Vacuum Held (in Hg)	
Notes:											
Building ID #											
Sample Point ID 22											

Notes: Shut in test performed on flow controller w/ lung box. Shut in test passed. Connect directly for sample collection because tee was leaking.

Summa

AIR MONITORING FORM

Site Name SOUTH SIDE HIGH SCHOOL Project ID MN0832
 Sampler Name WERTZ/WADSWORTH
 Sample Location: Building SOUTH SIDE HIGH SCHOOL Floor FIRST Room GIRLS LOCKER ROOM
 Sample Type: 6 Liter Summa INDOOR AIR - SUB Weather Conditions SUNNY w/ CLOUDS
 Analytical Method (circle one): TO-15 SIM and TO-15 Scan

Sample ID	Canister ID	Regulator ID	Start			End		
			Vacuum (in Hg)	Time	Date	Vacuum (in Hg)	Time	Date
SSHS-07-10-14-23-TA	916	FC00964	28.86	08:23 ~~07-10-14~~	07-10-14	4.52	17:27	07-10-14

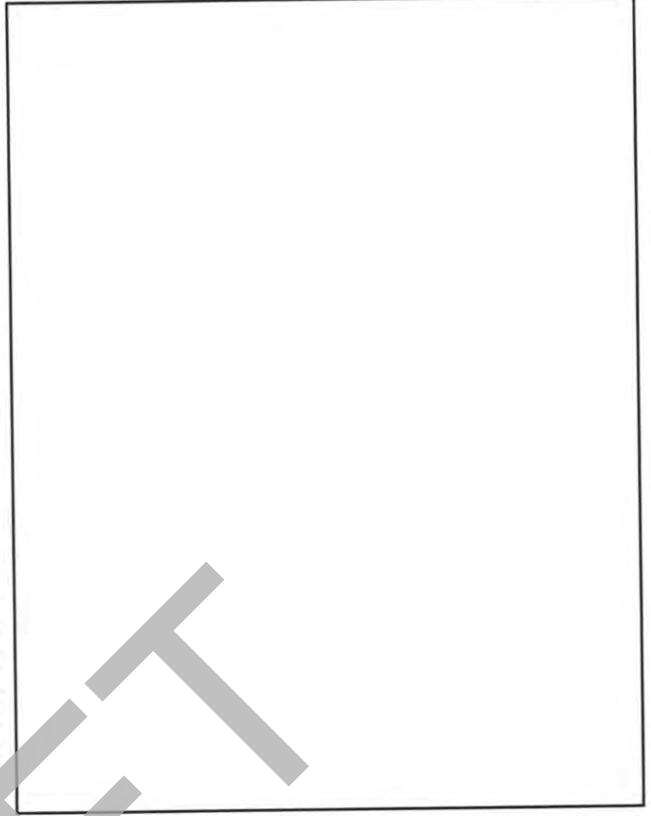
Room Temperature 70°F

PID Reading — (ppm)

Other Comments (e.g., PID readings, intermediate vacuum readings)

Canister placed on changing bench in center of the locker room area

Sketch of Sample Location (s)



Sub-Slab Sampling Probe Measurements											
Project # MN0832		Project Name: Southside High School									
Sampling Personnel: DM/MA		Recorded by: DM/MA									
Building #		Date 07/14/14		Weather cloudy, calm, not humid 82F							
Slab Thickness: 6"		Sub-Slab Probe #: 23		Floor Material & Condition: (tile, carpet, cement, etc.) Ceramic tile							
Purging Data											
PhoChek Serial #: T-105438		Calibrated @ Time: Lamp 10:51/11:17 ev		Purge Method		Direct through Sample Tubing ☐					
GEM 2000 Serial #: G-M13798		Calibrated @ Time:		Lung Box/Tedlar Bag ☒							
Results											
	Start Time	End Time	Elapsed Time	Purge Rate (LPM)	Water Damaged Used ☒ (n)	Leaks Observed* ☒ (yes) ☒ (no)	PhoChekPID VOCs (☐ ppb ☒ ppm)	CH4	Gem 2000 O2	CO2	Balance
PhoChek	19:14	19:18	4 min				0.3	0.2	0.2	0.0	79.3
GEM 2000								0.0	20.8	0.0	79.2
SUMMA Sample	Start Time	End Time	Elapsed Time	Sample ID	SUMMA Canister ID	Flow Controller ID	Initial Vacuum (in Hg)	Final Vacuum (in Hg)	Type (IA, SS, OA)	Size	Shut In Test (☒ Yes ☐ No)
	19:19	19:23	4 min	5415-07-14-14-23-59	9475	FLO-018	27.45	2.83	SS	1L	11
Notes:											
Building Characterization Data											
Target Area Location											
Target Area Dimensions											
OmniGuard Differential Pressure Meter		Model #	Serial #	Start Time	End Time	Elapsed Time	Differential Pressure (in H2O)	HVAC Status (occupied/unoccupied)			
Dwyer 475											
Notes:											
Building ID #											
Sample Point ID 23											

AIR MONITORING FORM

Site Name SOUTH SIDE HIGH SCHOOL Project ID MN0832

Sampler Name _____

Sample Location: Building SOUTH SIDE HIGH SCHOOL Floor FIRST Room ROOF TOP

Sample Type: 6 Liter Summa OUTDOOR AIR - SHR Weather Conditions SONNY w/ SOME CLOUDS

Analytical Method (circle one): TO-15 SIM and TO-15 Scan

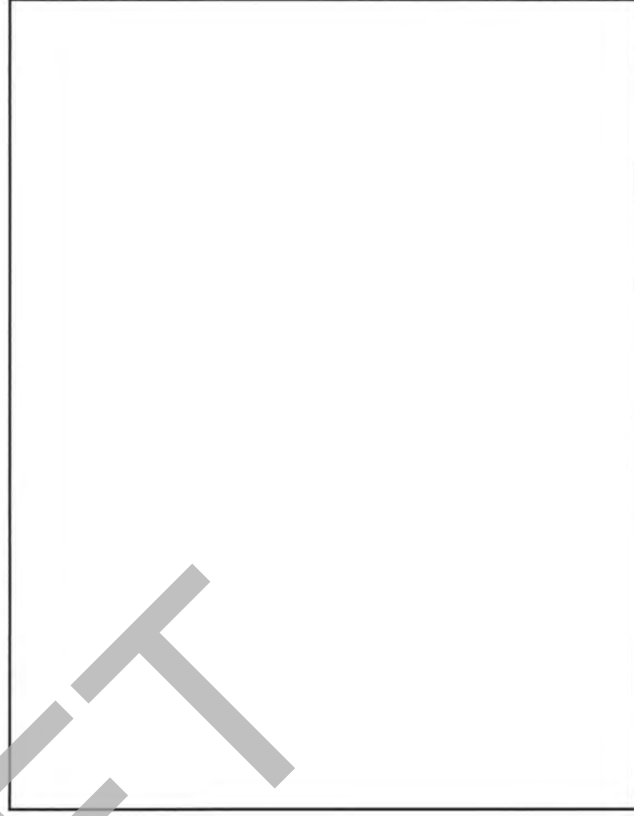
Sample ID	Canister ID	Regulator ID	Start		End	
			Vacuum (in Hg)	Time	Vacuum (in Hg)	Date
SSHS-07-10-14 -0A-02	35168	FC00237	29.14	08:51	4.73	07-10-14

Room Temperature _____

PID Reading _____ (ppm.)

Other Comments (e.g., PID readings, intermediate vacuum readings)

Sketch of Sample Location (s)



Rm
130
(#2)

Window

North

Window

95"
20'
33"

West

East

110"

10'

85"
30"
127"
60"

door

South

← hallway →



Winter

17

30'

1000

124

A handwritten signature, possibly reading "P. J. ...", written in dark ink across the bottom of the page.

10

136

4

Sept 16

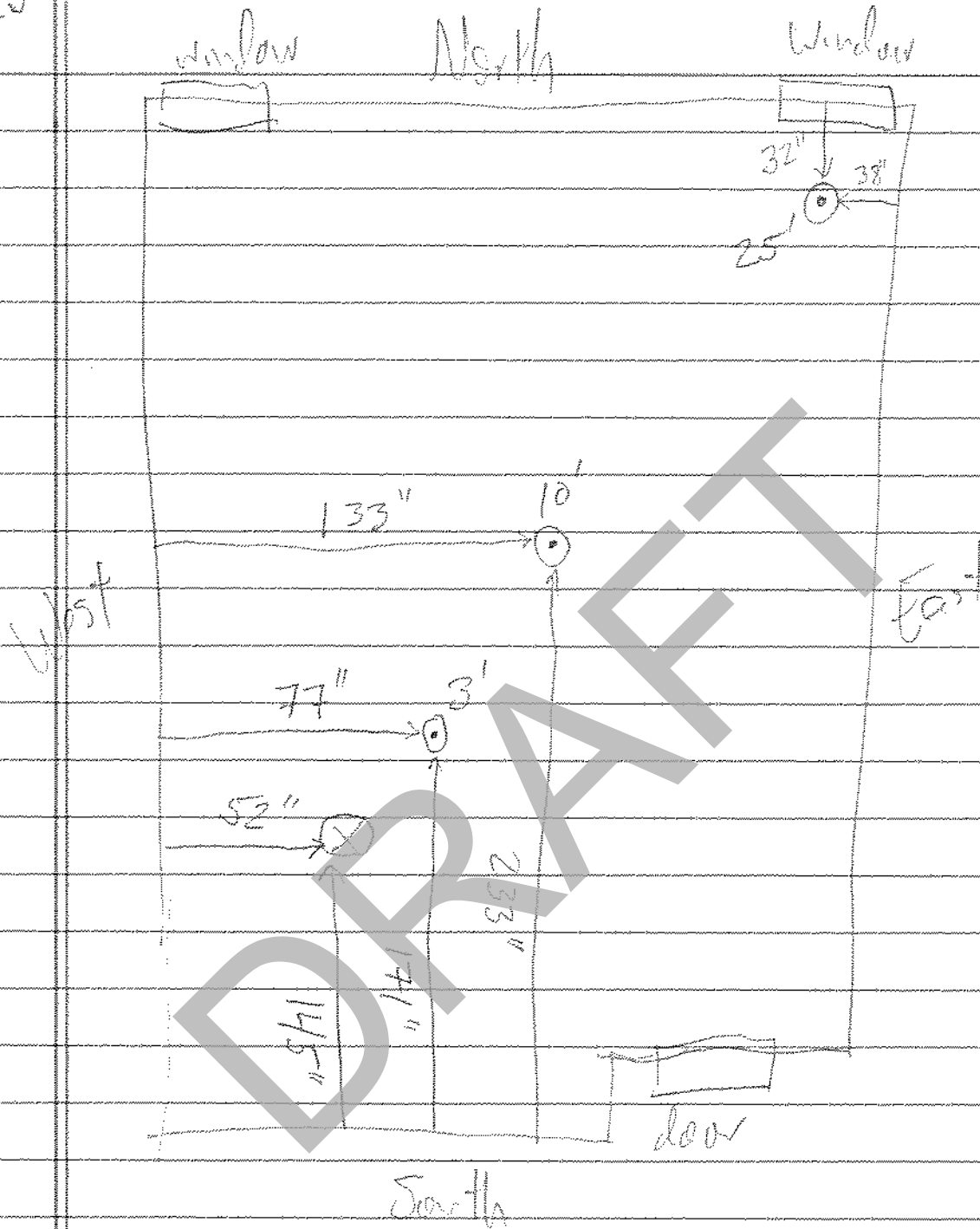
backlog

255-16-165

15th of November

~~X~~ this point is not a function. Why?

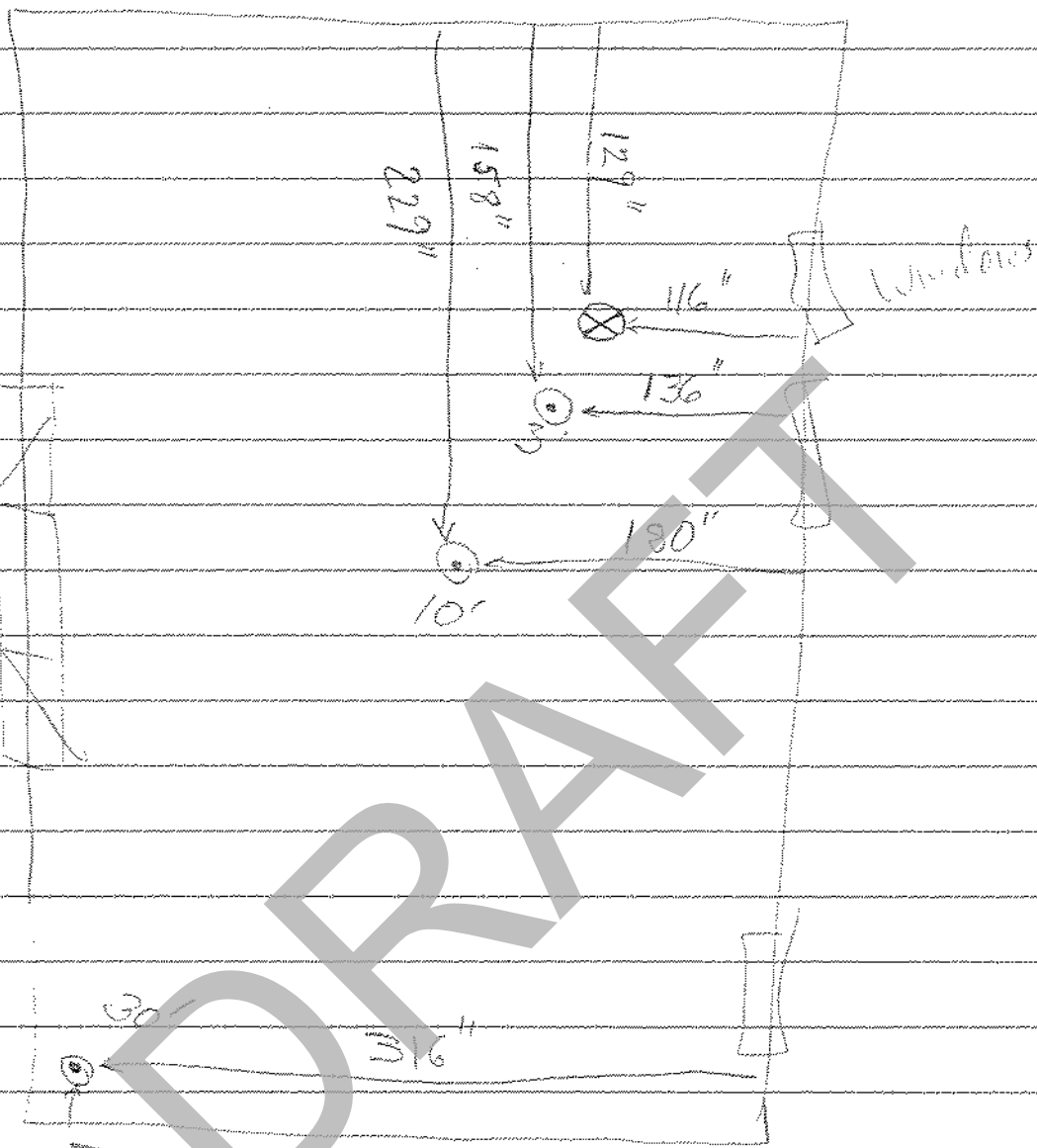
Rm 125
(#4)



← hallway →

Rm 124
(#5)

West



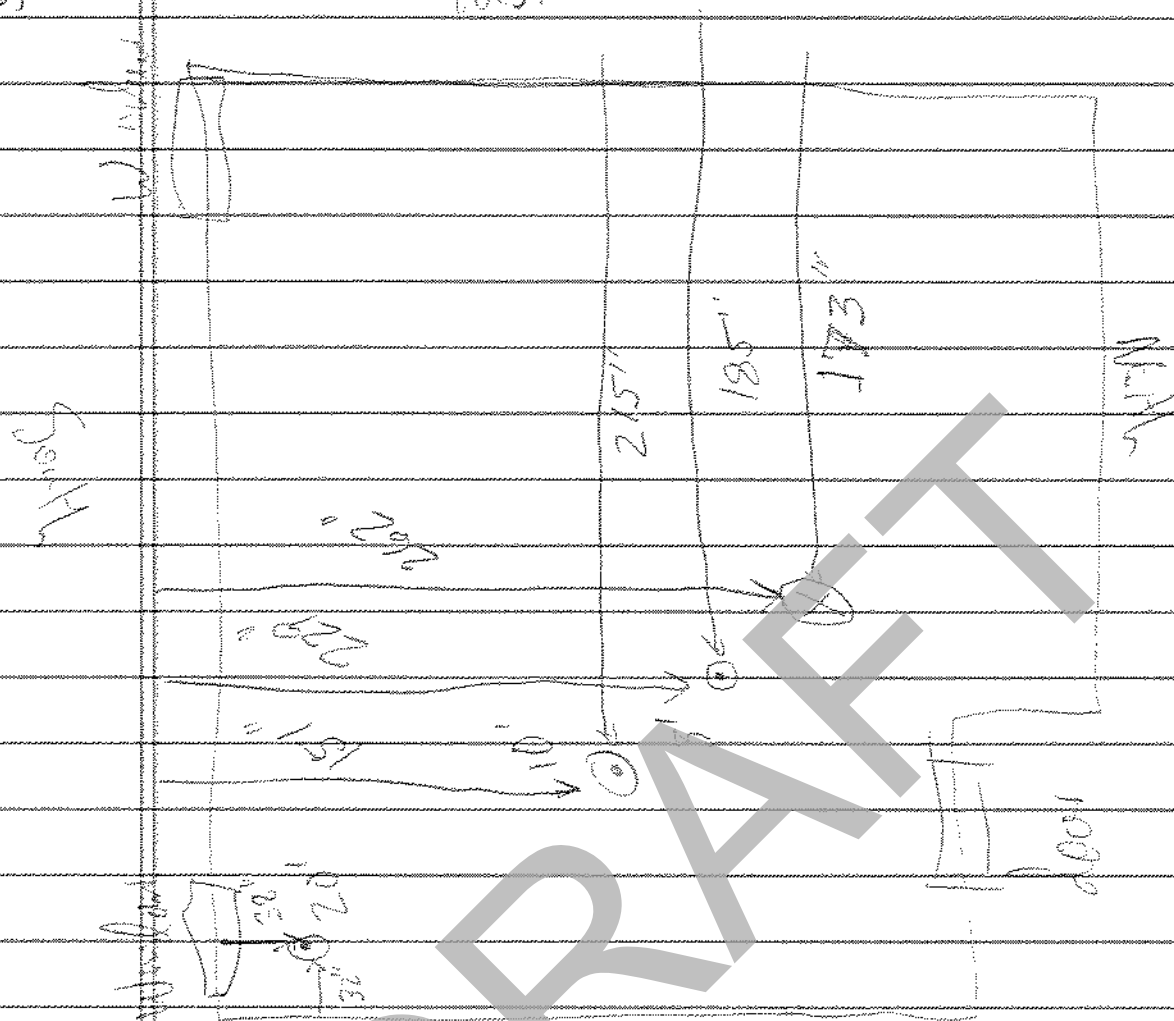
South

North

East

(#6)

West



65x

Rm
120
(#7)

No. 11



Guidance
Hallway
(#8)

East

North

Rm 128

Door

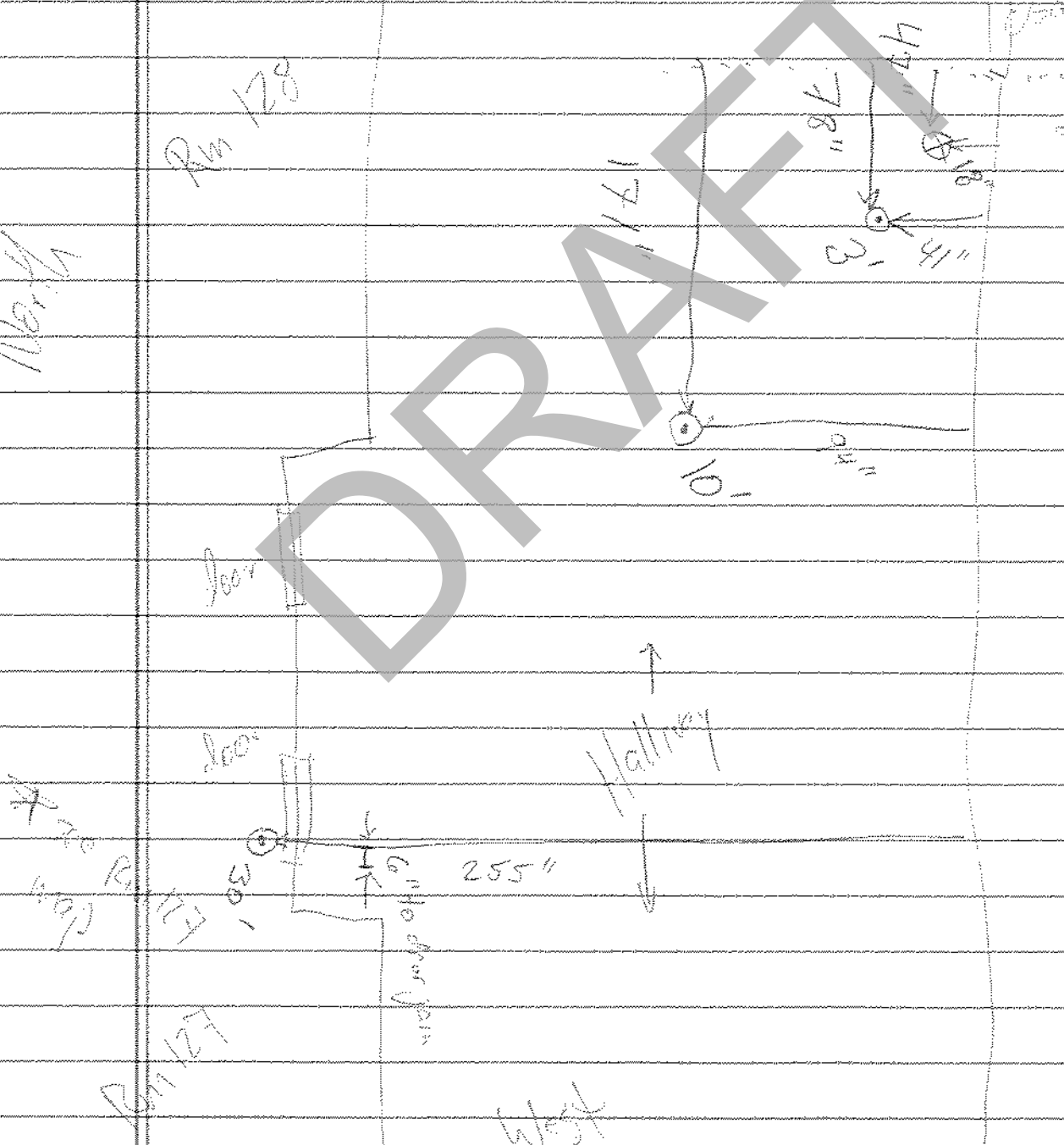
Door

Hallway

Rm 127

West

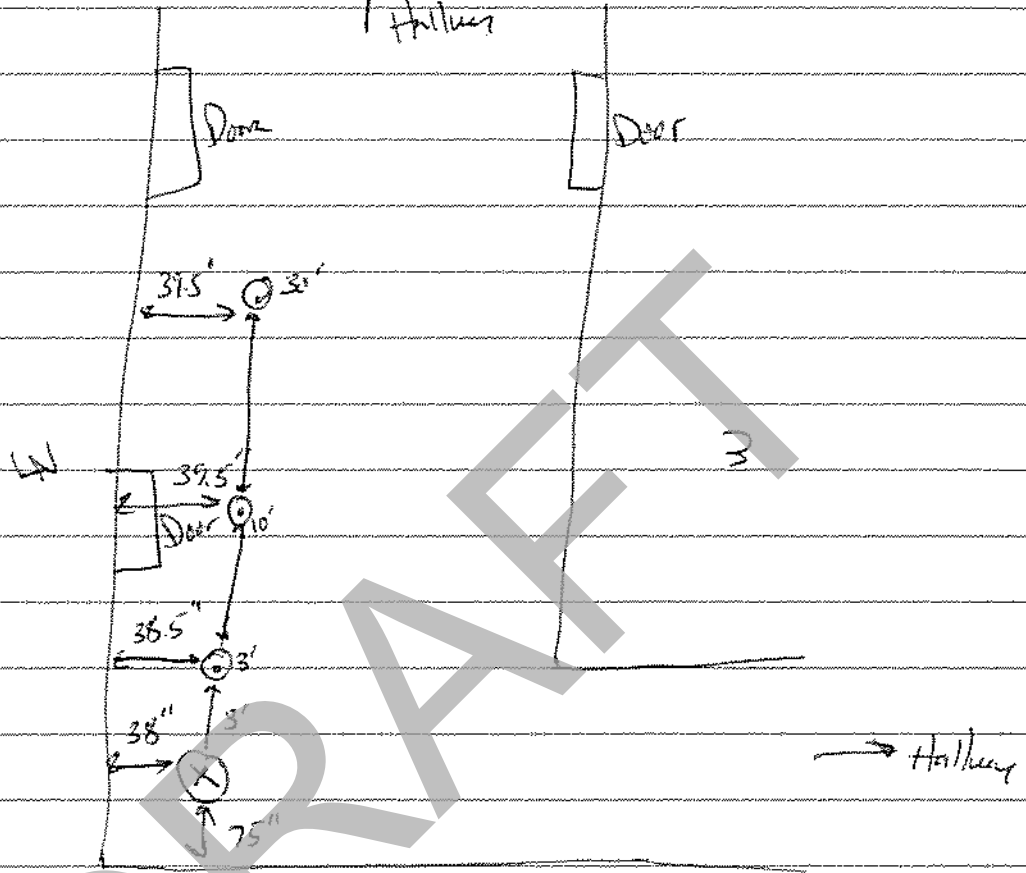
near side of
Chapel
South



Hallway #9

5

Hallway



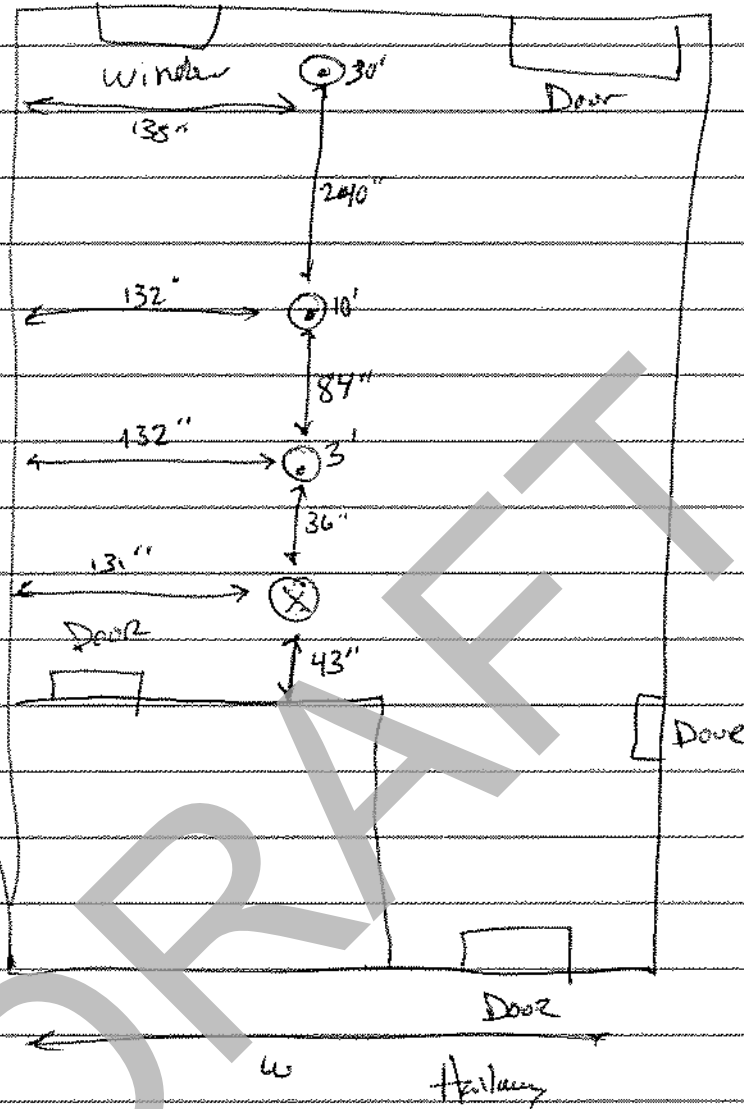
2

Lm 101
(#10)

E

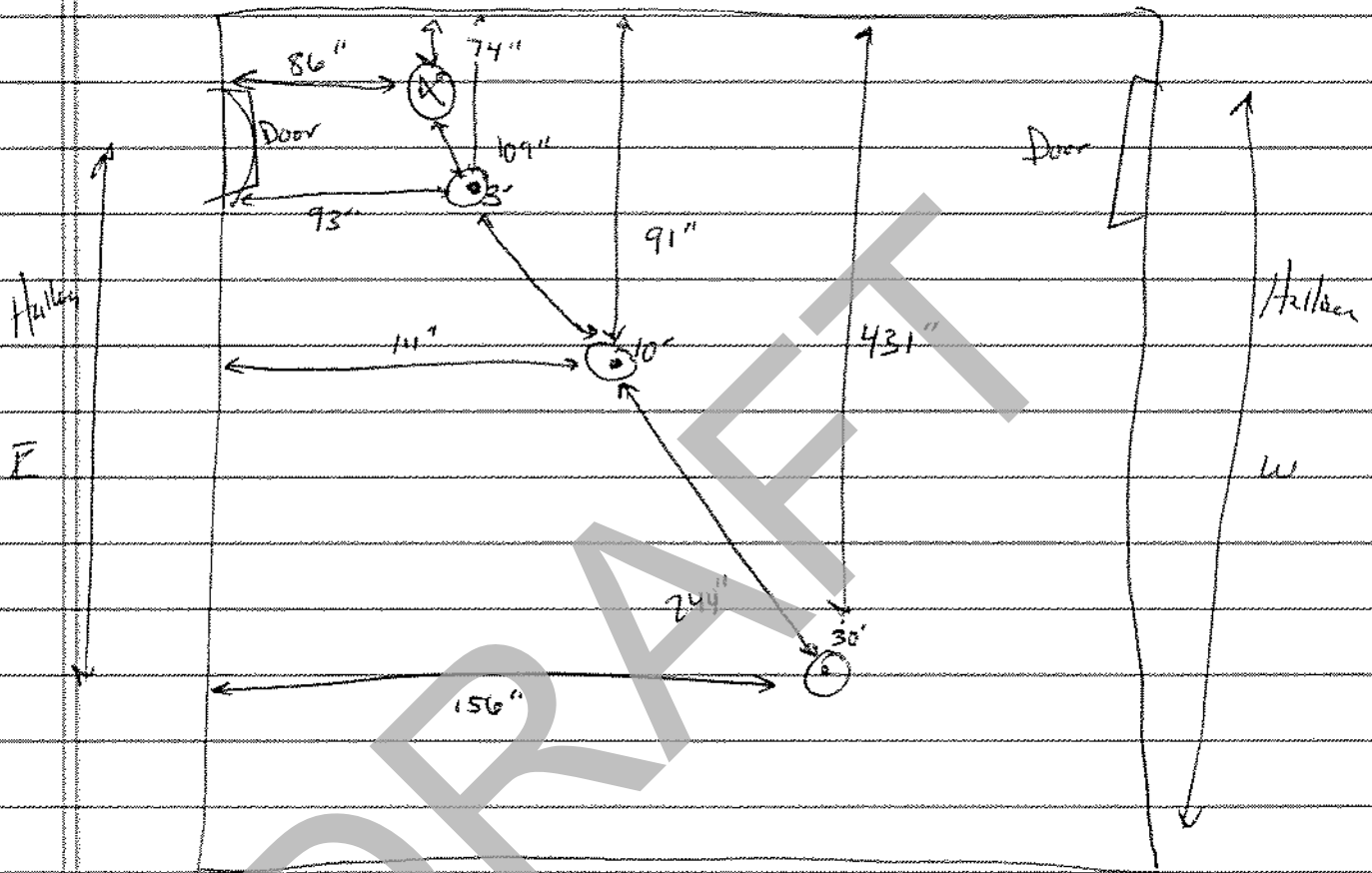
N

S



Room 115
(#11)

S



N

Rm
116
(#12)

South

East

Window

48"
20'
56'

West

10'
134"

188'

152"

Window

North

Door

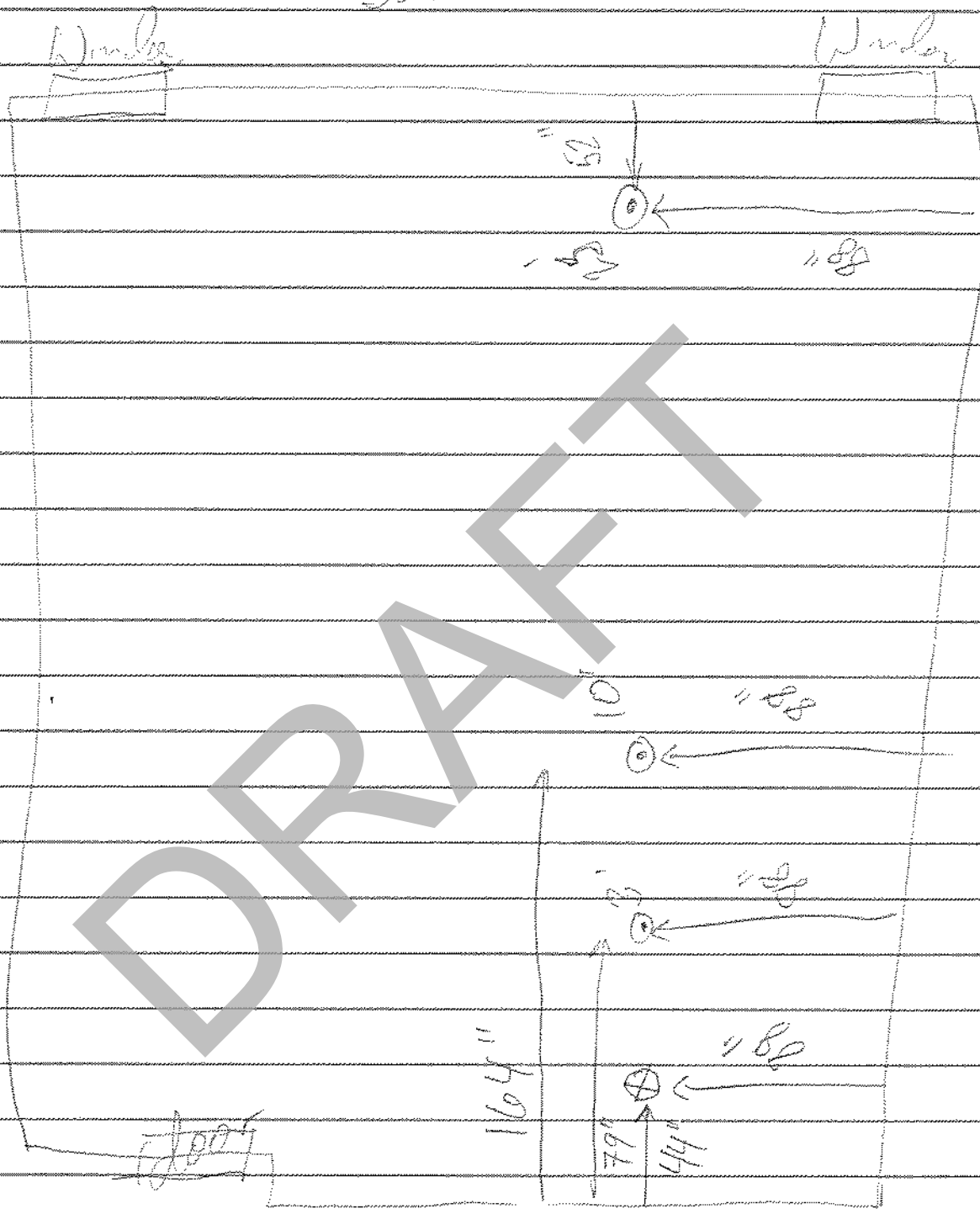
60"

84"

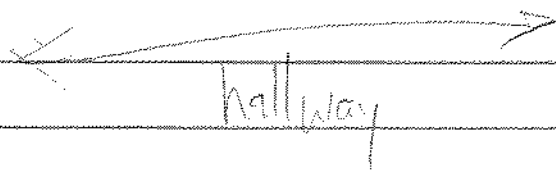
DRAFT

Rm III
(#13)

South

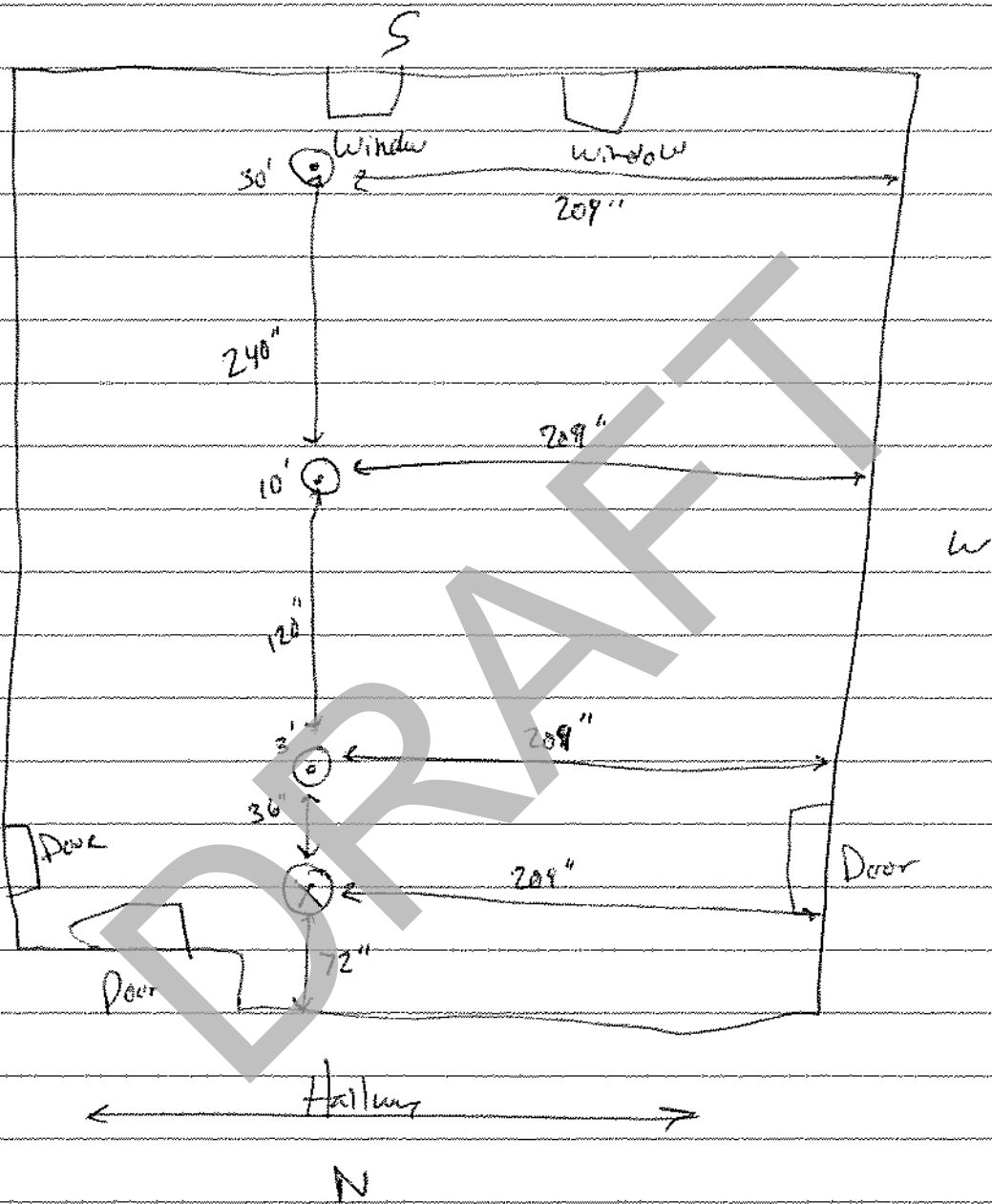


North



Lm 106
(#14)

E



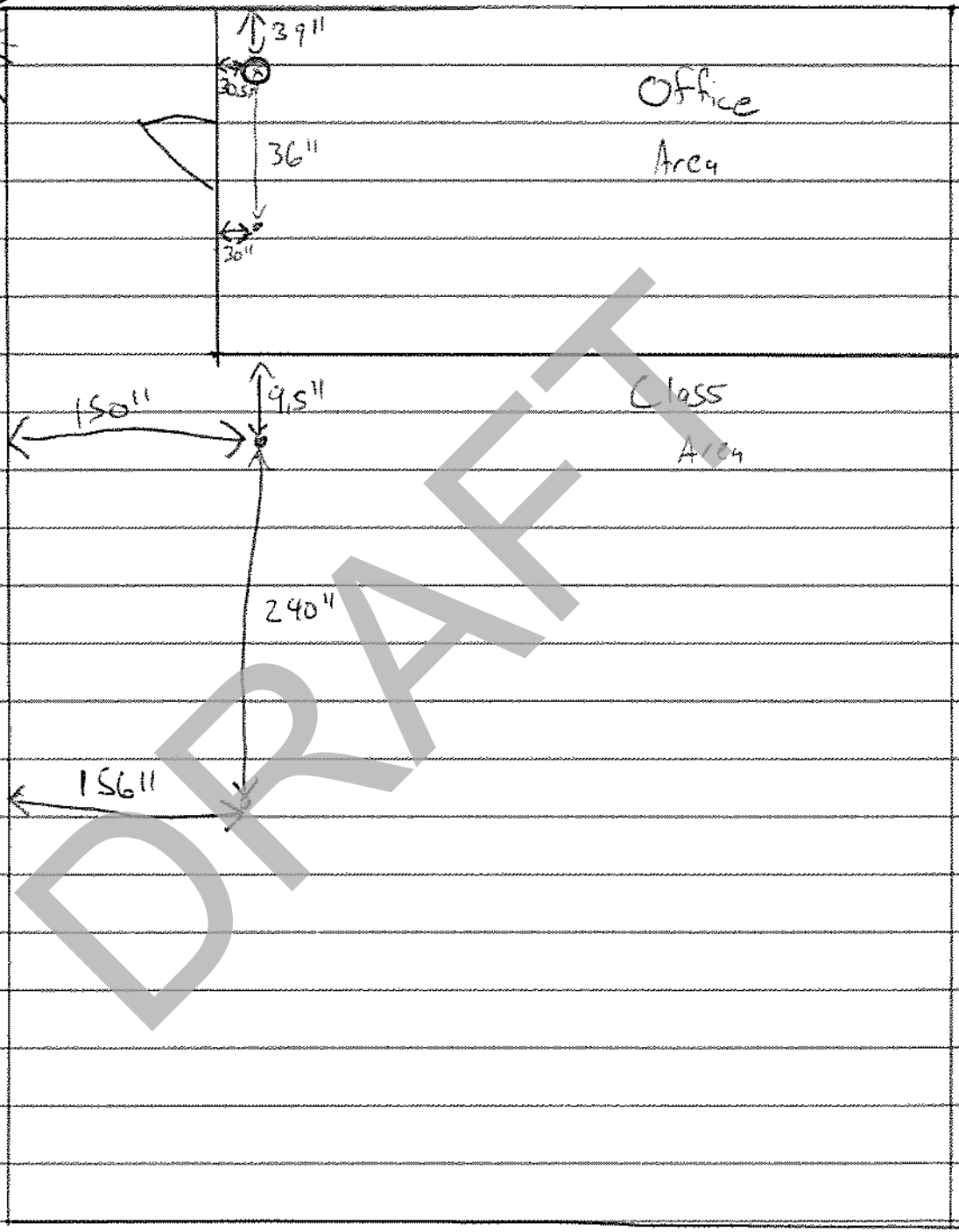
Room 104
(#15)

N

Hallway

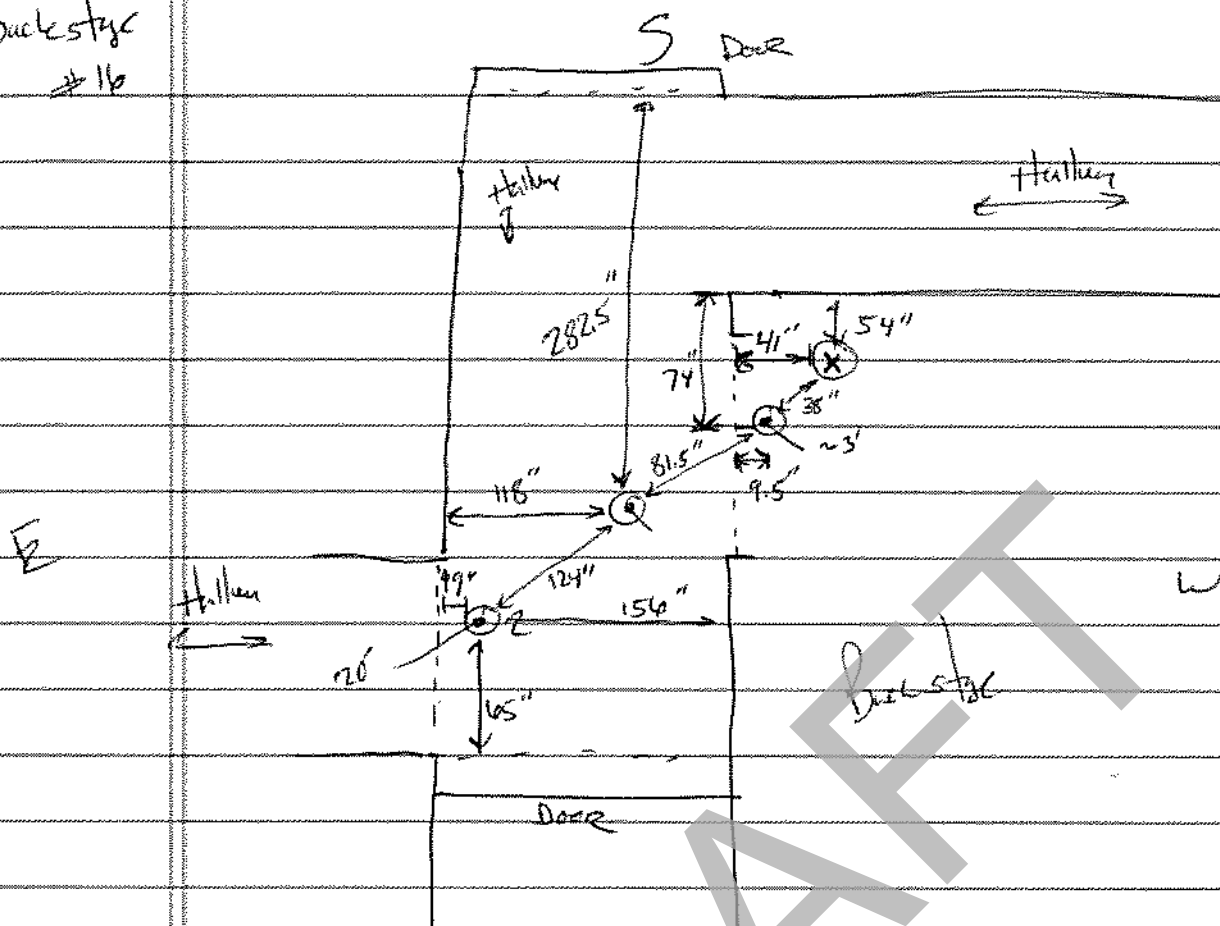
Office
Area

Class
Area



S

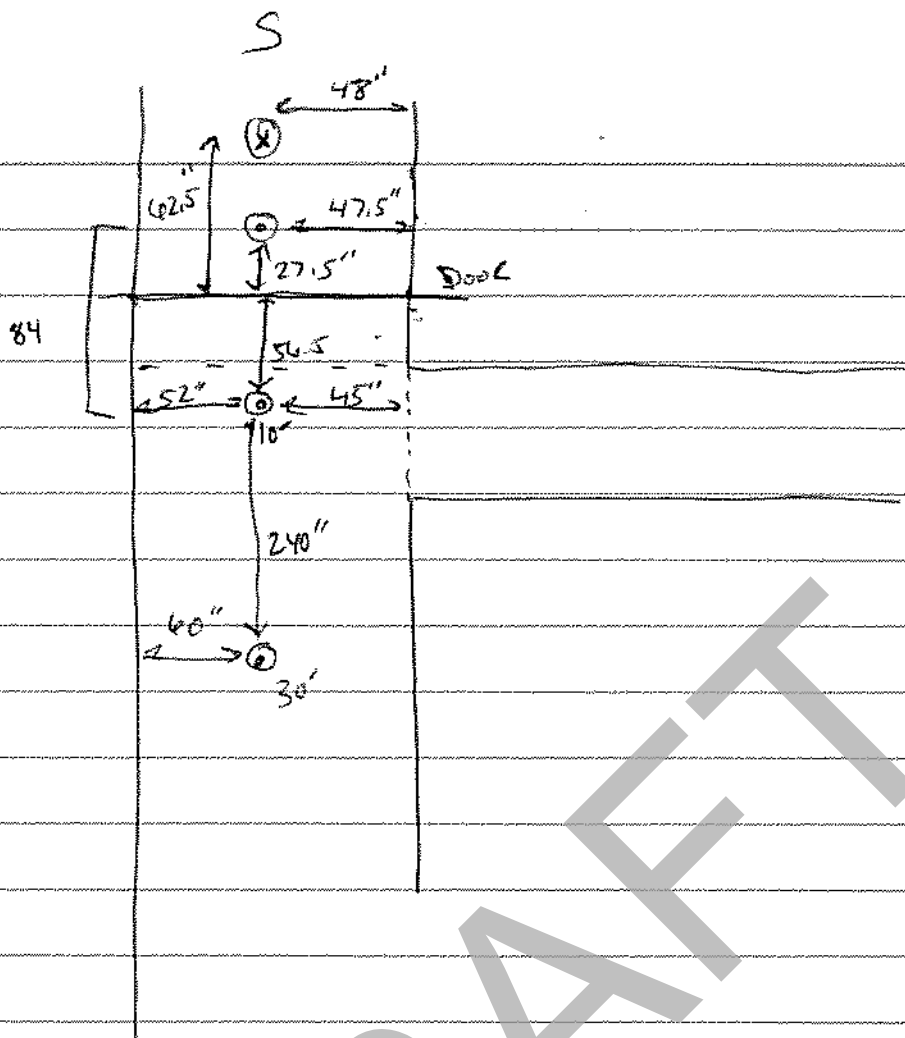
Buckstye
#16



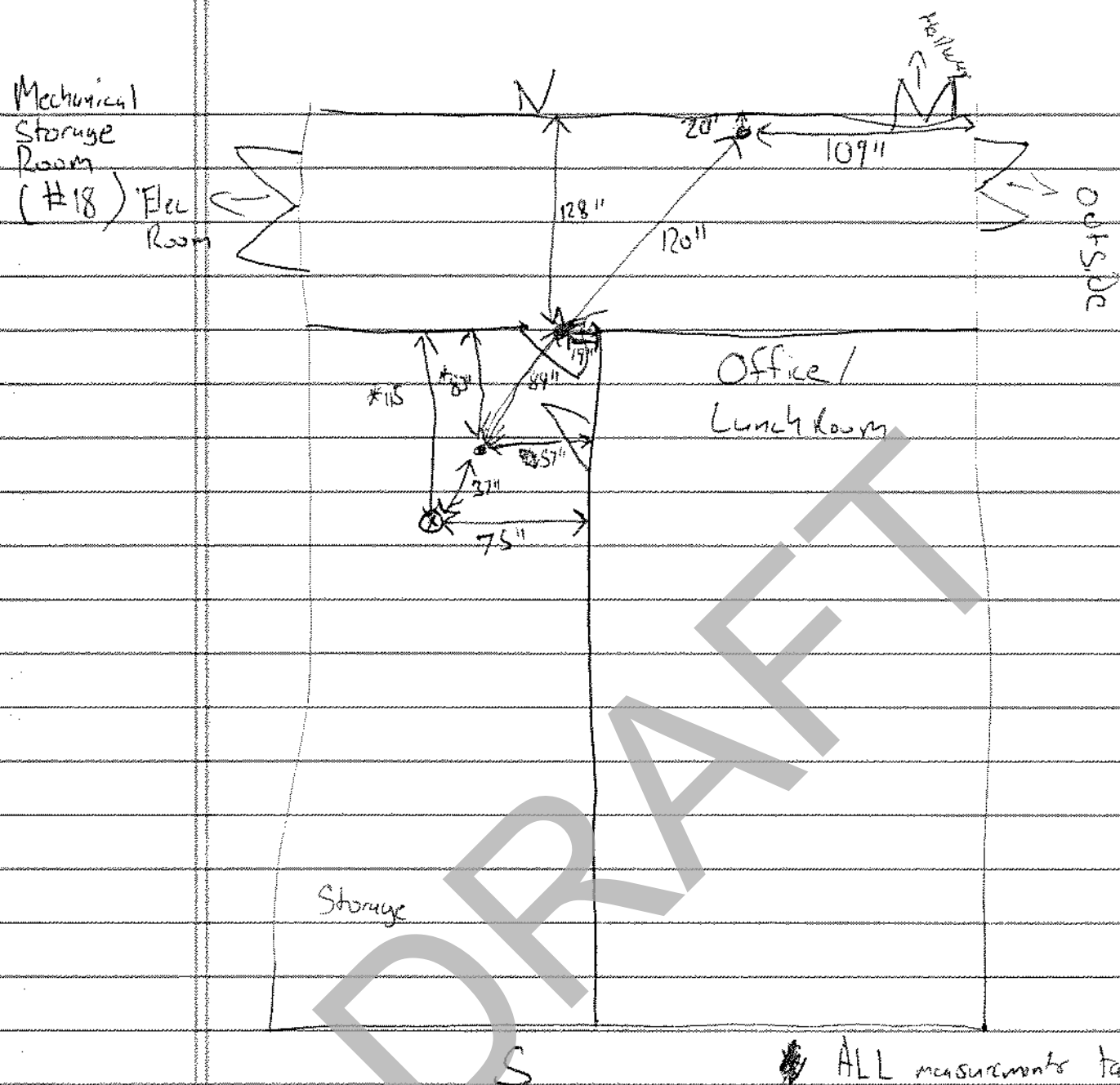
Notes

----- wall boundary extended

Sequi
the
Hiker
(#17)



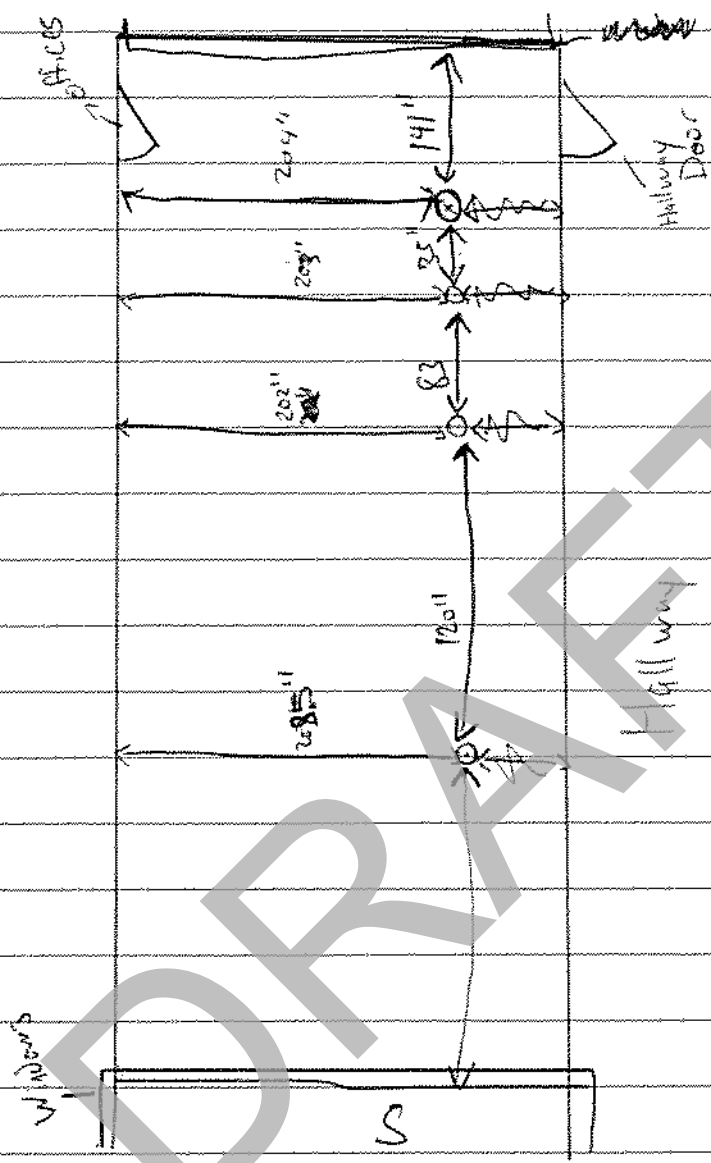
DRAFT



ALL measurements taken to the Cinder Block except ones w/ * → these are measured to the wood curb on the north side of the storage area.

Room 138A
(Point 19)

N



262

Room 142

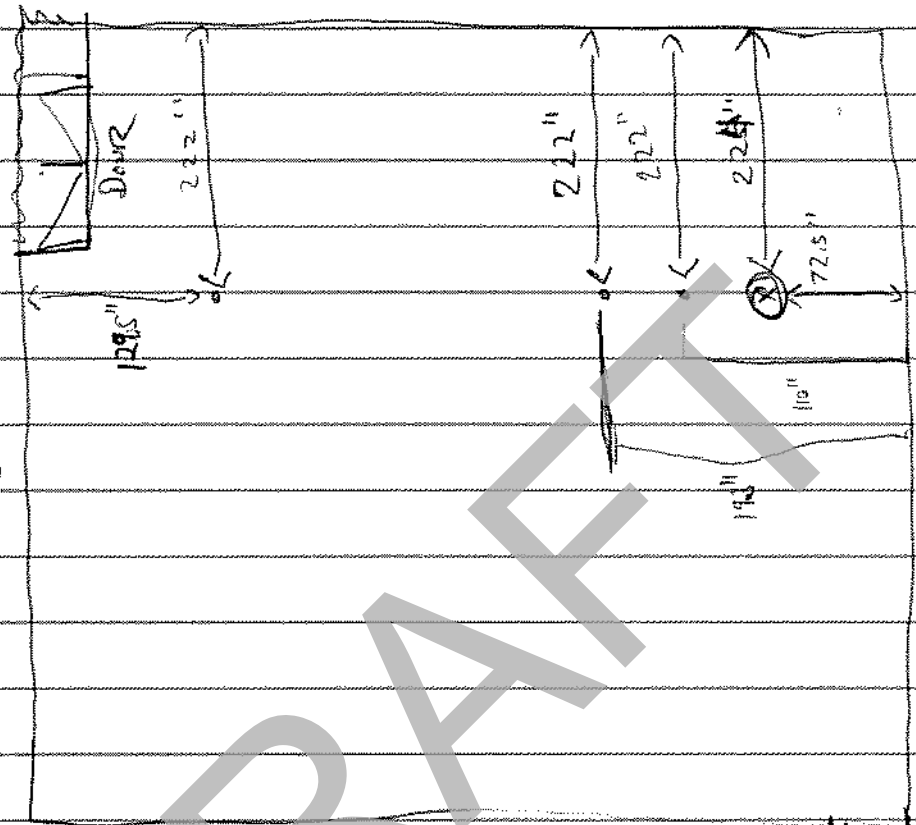
SW

Work out Room
(#20)

Hatch

5

2



SW E

SW

Work out Room

87.5

142:

129.5

Work out Room

N



Note: all wall measures
are to Center Blocks.

Aux Gym
(Point 22)

N

W

E

Outside

Hall
Way

147"

501"

240"

226"

288"

312"

84"

36"

222"

S

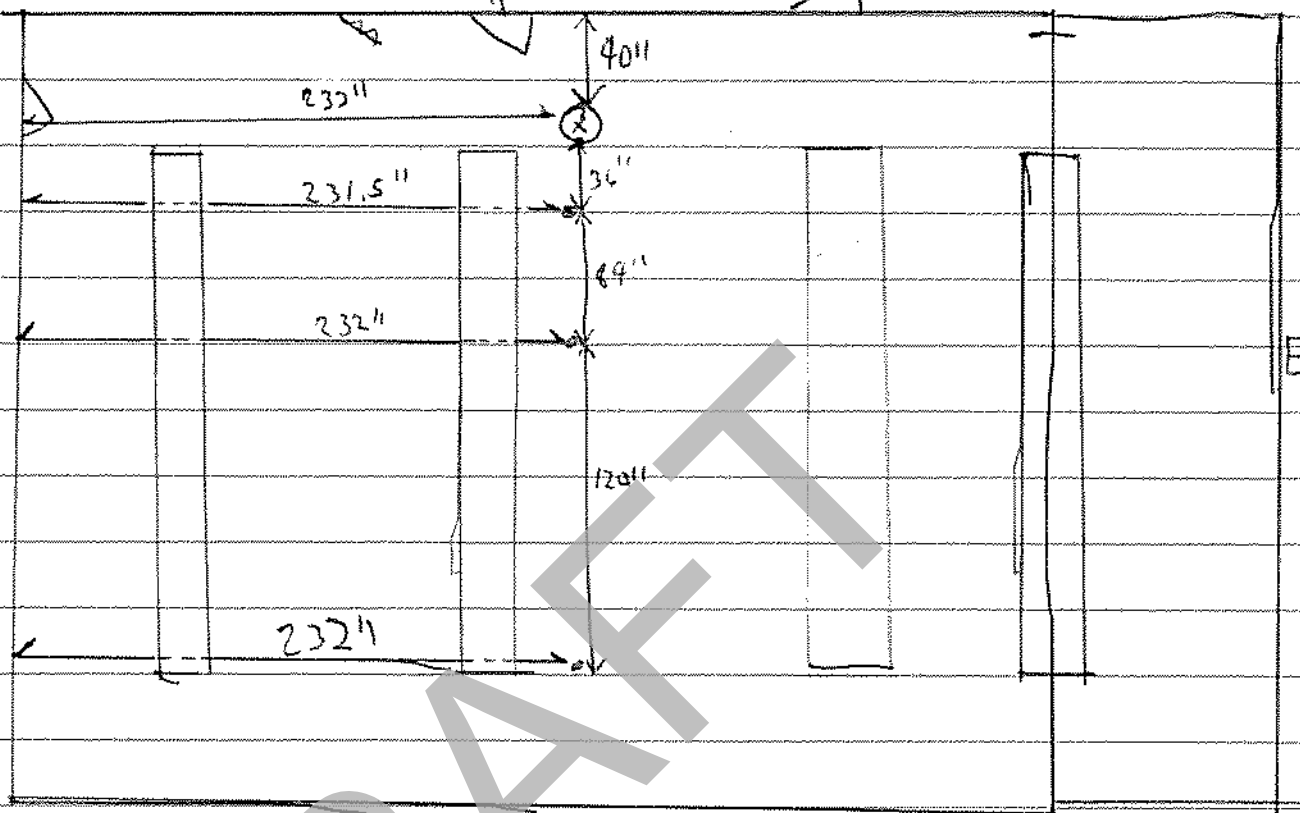
Note all wall measurements
are to green trim @ bottom

Girls Locker Room
(Point 23)

N
office

to Shower

H
A
L
L
W
A
Y



METER CALIBRATION

Project Name: SS HS Date: 7/13/14 Recorded By: W. Eltz Page 1 of 1
Project Number: MD0832 Weather: Cloudy, warm Primary Activities: SUB-SLAB SAMPLING

PIDs PhotoCheck Tiger		Ambient Air (ppm)		100ppm Isobutylene (ppm)
Serial Number				
U.S. ENV Rental T-105438	Initial Time:	10:50		96.1
	Final Time:	11:00		
GEM-13798	Initial Time:	13:01		
	Final Time:	13:08		
	Initial Time:			
	Final Time:			
	Initial Time:			
	Final Time:			

GEMs		Ambient Air			Calibration Gas			Ambient Air		
Serial Number		CH ₄ (%)	CO ₂ (%)	O ₂ (%)	CH ₄ (%)	CO ₂ (%)	O ₂ (%)	CH ₄ (%)	CO ₂ (%)	O ₂ (%)
GM 13798	Initial Time:	8.0	0.0	20.4	15.0	15.1	0.0	0.0	0.0	20.6
	Final Time:	0.0	0.0	20.8	15.3	14.6	0.6	0.0	0.0	20.6
	Initial Time:									
	Final Time:									
	Initial Time:									
	Final Time:									
	Initial Time:									
	Final Time:									

NOTES:

Personnel Signature: _____ Date: _____

METER CALIBRATION

Project Name: 59HS Date: 7/14/14 Recorded By: Creamer Page 1 of 1
 Project Number: MN 0832 Weather: fog 70F Primary Activities: subslab sampling

PIDs				
Serial Number			Ambient Air (ppm)	100ppm Isobutylene (ppm)
T-105454	Initial Time:	0800	0.0	99.8 calibrated
	Final Time:		0.0	111
T-105438	Initial Time:	1046	0.0	100.0 calibrated
	Final Time:		0.0	97.5
	Initial Time:			
	Final Time:			
	Initial Time:			
	Final Time:			

GEMS		span cal				span cal			
Serial Number		Calibration Gas				Ambient Air			
		CH ₄ (%)	CO ₂ (%)	O ₂ (%)	CH ₄ (%)	CO ₂ (%)	CH ₄ (%)	CO ₂ (%)	O ₂ (%)
GM 13798	Initial Time:	0.0	0.0	20.8	15.0	15.0	0.0	0.0	20.4
	Final Time:	0.0	0.0	20.8	15.3	15.0	0.0	0.0	20.7
GM 07759	Initial Time:	0.0	0.1	21.0	15.0	15.0	0.0	0.1	20.9
	Final Time:	0.0	0.1	21.0	14.9	14.9	0.0	0.1	21.0
	Initial Time:								
	Final Time:								
	Initial Time:								
	Final Time:								

NOTES:

Personnel Signature: _____ Date: _____

METER CALIBRATION

Project Name: SSHS Date: 13 July 2014 Recorded By: H. Goensevelt Page 1 of 1
Project Number: MN0832 Weather: Cloudy 70°F Primary Activities: High volume sampling

PIDS Ion Science PhotoCheck Tigers

Serial Number	Initial Time:	Final Time:	Ambient Air (ppm)	100ppm Isobutylene (ppm)
T-105454	0745	0.0	✓	100.0
	1430	0.0		99.6 (not re calibrated)
	0745	0.0		99.5
T-105438	1425	0.0 (99.99 N ₂)		94.6 (off - 2 cal)
	1855	0.7 (99.99% N ₂) / 0.3 (room air)		94.6
	1912	0.2 (99.99% N ₂) / 0.0 (room air)		101.4

GEMs

Serial Number	Initial Time:	Final Time:	Ambient Air	Calibration Gas	Ambient Air
GM 13798	8:00	8:19:04	CH ₄ (%) 0.0	CH ₄ (%) 14.8	CH ₄ : (15%) CO ₂ : (15%) O ₂ : (0%)
			0.0	14.7	
GM 07759	8:00	8:19:04	CH ₄ (%) 0.0	CH ₄ (%) 15.1	CH ₄ : (15%) CO ₂ : (15%) O ₂ : (0%)
			0.0	15.1	
	1915	19:15	CH ₄ (%) 0.0	CH ₄ (%) 15.7	CH ₄ : (15%) CO ₂ : (15%) O ₂ : (0%)
			0.0	15.7	
	Initial Time:				
	Final Time:				
	Initial Time:				
	Final Time:				

NOTES:

Personnel Signature: _____

Date: _____

METER CALIBRATION

Project Name: SSHS Date: 7-16-2014 Recorded By: Creamer Page 1 of 1
 Project Number: MN0832 Weather: cool sun/fog Primary Activities: HVS

PIDs	Serial Number	Ambient Air (ppm)		100ppm Isobutylene (ppm)
		Initial Time:		
		Final Time:		
	T-105454	07:15	0.0	100.4
		18:30	0.0	96.8
		Initial Time:		
		Final Time:		
	T-105438	07:29	0.0	100.4
		18:50	0.0	81.4
		Initial Time:		
		Final Time:		
		Initial Time:		
		Final Time:		

GEMs	Serial Number	Ambient Air			Calibration Gas			Ambient Air		
		CH ₄ (%)	CO ₂ (%)	O ₂ (%)	CH ₄ (%)	CO ₂ (%)	O ₂ (%)	CH ₄ (%)	CO ₂ (%)	O ₂ (%)
	GM 07759	Initial Time:			15.0	15.0	0.5	0.0	0.0	20.6
		Final Time:			15.1	14.6	0.3	0.0	0.0	21.3
	GM 13718	Initial Time:			14.9	15.0	0.1	0.0	0.0	20.7
		Final Time:			14.7	14.5	0.5	0.0	0.0	20.7
		Initial Time:								
		Final Time:								
		Initial Time:								
		Final Time:								

NOTES:

Personnel Signature: _____ Date: _____

DAILY FIELD REPORT

www.geosyntec.com

Project Name: MN0832 ELMIRA HIGH SCHOOL Date: 27 JUNE 2018 Page 1 of

Project Number: MN0832 Primary Activities:

Field Personnel: W. LIERTZ - UTILITY LOCATES
E. LOVENOWSKI T. GARRIS - SURFACE PROBE INSTALLATION

Recorded By: E LOVENOWSKI - SAMPLE CANISTER PREP

Weather: RAIN, 60°F

Daily Field Report

DAILY FIELD REPORT

www.geosyntec.com

Date: 28 JUNE 2018 Page 1 of 1

Primary Activities: _____

IA + SS SAMPLING

HVS PORT INSTALL

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Journal compilation © 2006 Blackwell Publishing Ltd

Daily Field Report

A handwritten signature, possibly 'H', is written on a five-line staff. The signature is composed of two main strokes: a vertical line on the left and a large, looping stroke on the right that crosses the vertical line. The ink is dark and the lines are slightly irregular, suggesting a pen or pencil.

www.geosyntec.com

Weather: Occasional Rain 80°F

Differential Pressure Monitoring

Daily Field Report

DAILY FIELD REPORT

www.geosyntec.com

Date: 6/29/18 Page 1 of 1

Primary Activities: _____

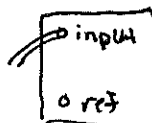
Differential Pressure Monitoring

Journal of Management Education 36(8) 970-986

[illegible]

Daily Field Report

Readings collected with
Sub slab ~~4000~~ tube
connected to input side
of meter



Q4 2024 Chemical Inventory
Elmira High School

Room	Chemical/Name	Ounces or Amount	Quantity	Comments	Contains COCs	Name of Chemical(s)
Music	Hand Sanitizer	10 oz	2		X	
Music	Apple barrel Acrylic Paint	16 oz	2		X	
Music	Prang Tempera Paint	8 oz	3		X	
Music	Crayola Washable Tempura Paint	16 oz	1		X	
Music	School Smart Washable Tempura Paint	16 oz	3		X	
Music	Monster Mask Paint	4 oz	6		X	
Music	Tulip Slick Dimensional Fabric Paint	4 oz	4		X	
Music	Tulip Fabric Paint	2 oz	4		X	
Music	Fresh Scent Disinfectant Spray	19 oz	1		X	
Music	Spic and Span - Fresh Lavender	1 pint	3		X	
Music	Pipette Hand Sanitizer	32 oz	1		X	
Music	Scent Theory Hand Sanitizer	12 oz	2		X	
Music	Lysol Disinfectant spray	19 oz	2		X	
Music	Spic and Span- Citrus Scent	16 oz	2		X	
Music	Ultra Palmolive Soap	32 oz	1		X	
Music	Up+Up Hand Sanitizer	32 oz	1		X	
Music	Radiance Disinfectant Wipes	75 wipes	1		X	
Music	Spray Bottle With Wrinkle Releaser	N/A	1	Hand Written Label	✓	Possibly tetrachloroethene, toluene, xylene
Music	Goo Gone Adhesive Remover	2 oz	1		✓	toluene, xylene (o)
Music	Pad Treatment Damp Chaser	16 oz	1		X	
Music	Bissell Multi- Surface	8 oz	1		X	
Music	Native Deodorant and Body Spray	3.5 oz	1		X	
Music	Scentivia Disinfecting Wipes	75 wipes	1		X	
Music	Holiday Lodge Home Fragrance	6 oz	1		--	
Music	Argan oil and Morocco oil	3.3 oz	1		X	
Music	Magic Volume Powder	0.35 oz	1		--	
Music	Tresemme Hair Spray	4.2 oz	1		--	
Music	Purezero Dry Shampoo	5 oz	2		X	
Music	Not Your Mothers Beach texturizing Spray	8 oz	1		--	
Music	Herbal Essences Volumizing Mousse	6.8 oz	1		--	
Music	Cake the Locks Smith Dry Conditioner	4.7 oz	1		X	
Music	Instant Freeze Gel	7 oz	1		--	
Music	Pineapple Curls Refresher Mist	4 oz	1		--	
Music	Isopropyl Alcohol	16 oz	1		X	
Music	Brumisateur Spray	14 oz	1		--	
Music	Vaseline Intensive Care	20.3 oz	1		X	
Gym	MeridiClean All Purpose Cleaner/ Disinfectant	N/A	3		X	
127	Tulip Stick Dimensional Fabric Paint	4 oz	5		X	
127	Herbal Essences Hairspray	8 oz	1		X	
127	Raid Ant Killer	17.5 oz	1		X	
127	Scentiva Disinfectant Wipes	75 wipes	1		X	
127	Breathe Hand Sanitizer Spray	5 oz	1		X	
127	Green Works All Purpose Cleaner	32 oz	1		X	
127	Mean Green Cleaner + Degreaser	32 oz	1		X	
127	Windex	26 oz	1		X	
127	Palmer Washable Poster Paint	16 oz	1		X	
127	Rust-Oleum Spray Paint	11 oz	1		✓	toluene, xylene (o)
127	Rust-Oleum Protective Enamel	8 oz	3		✓	toluene, xylene (o)
127	Elmers Multi Purpose Spray Adhesive	4 oz	1		✓	Benzene
127	Apple Barrell Acrylic Paint	N/A	1		X	

Notes:

COC - chemical of concern

-- - Did not look for chemical(s) in this item.

X - Chemical(s) are not in item.

✓ - Chemical(s) are in item.