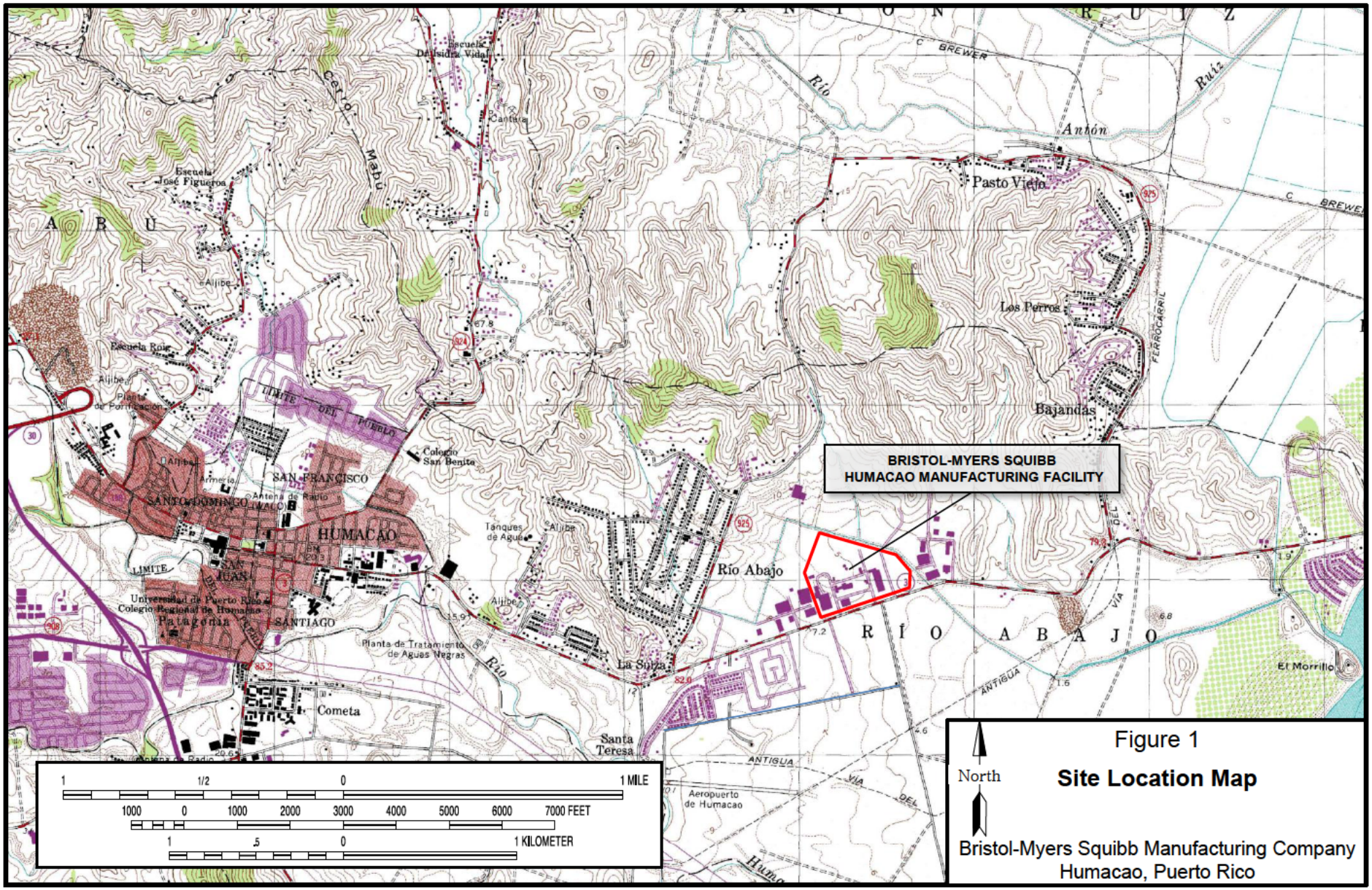
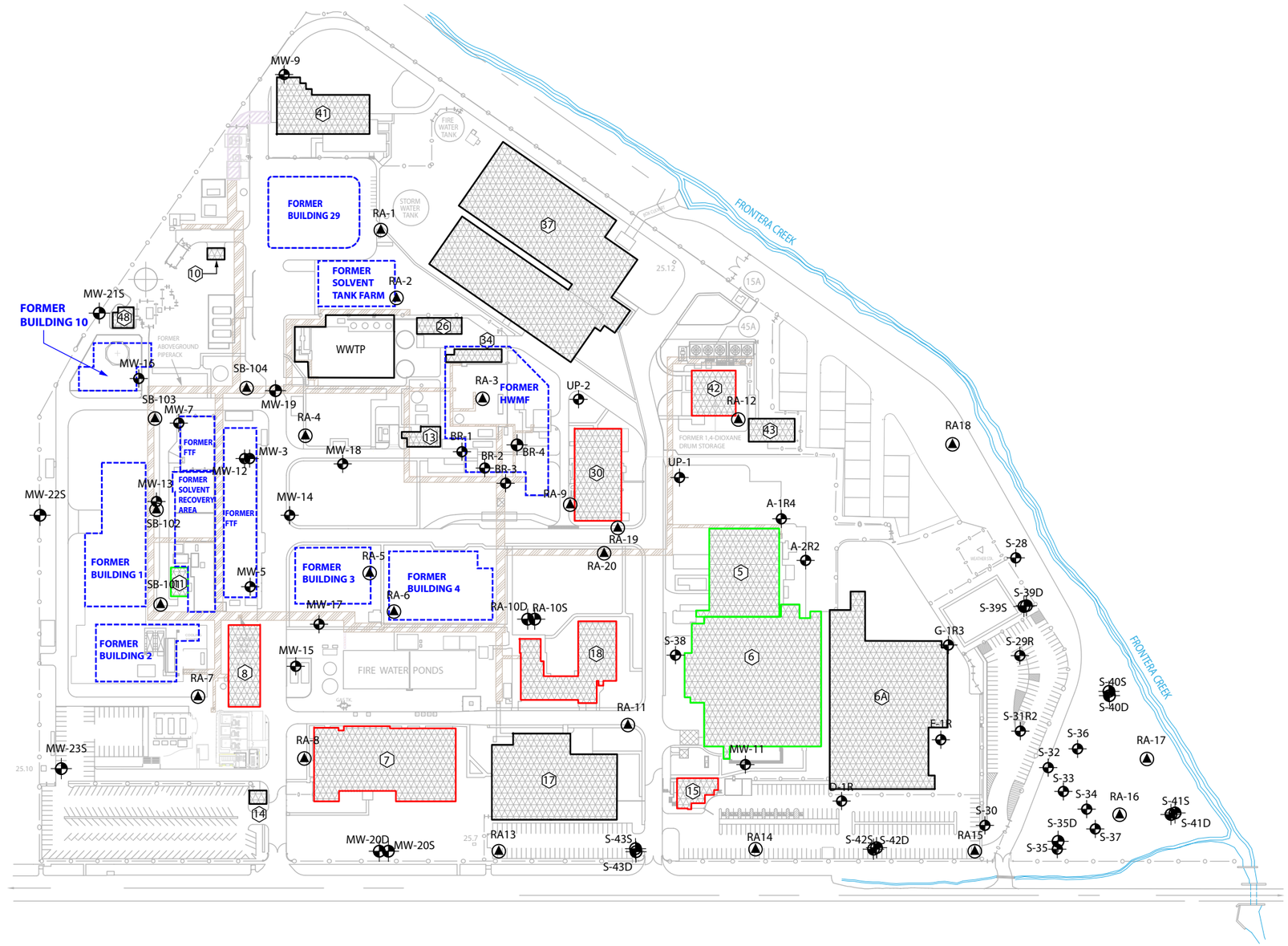


Figure 1

Site Location Map

Bristol-Myers Squibb Manufacturing Company
Humacao, Puerto Rico

Source: U.S. Geological Survey. Humacao Quadrangle, Puerto Rico. 1:24,000. 7.5 Minute Series. Reston, VA: United States Department of the Interior, USGS, 1967, Photorevised 1982.



LEGEND

MW-5 Monitoring Well Location

RA-4 In-Situ Groundwater Sample Location

Building Assessed for Vapor Intrusion (Aug. 2015 - July 2016)

Building Assessed for Vapor Intrusion (May 2012 - June 2015)

Building not Assessed for Vapor Intrusion

Former Building/Structure Location

north

0 100 200 300 400 500

SCALE IN FEET

Scale:	Date:
As Shown	Aug 2016

ANDERSON - MULHOLLAND & ASSOCIATES, INC.

PURCHASE, NEW YORK

Figure 2

Facility Site Layout

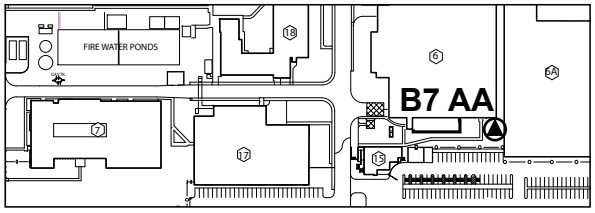
Bristol-Myers Squibb Manufacturing Company
Humacao, Puerto Rico

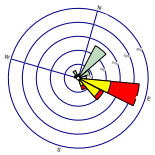
LEGEND

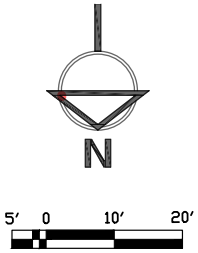
Co-Located Sub-Slab/
Indoor Air Sample Location

HVAC Zone/HVAC ID

Area Served by Wall-Mounted Air Conditioner





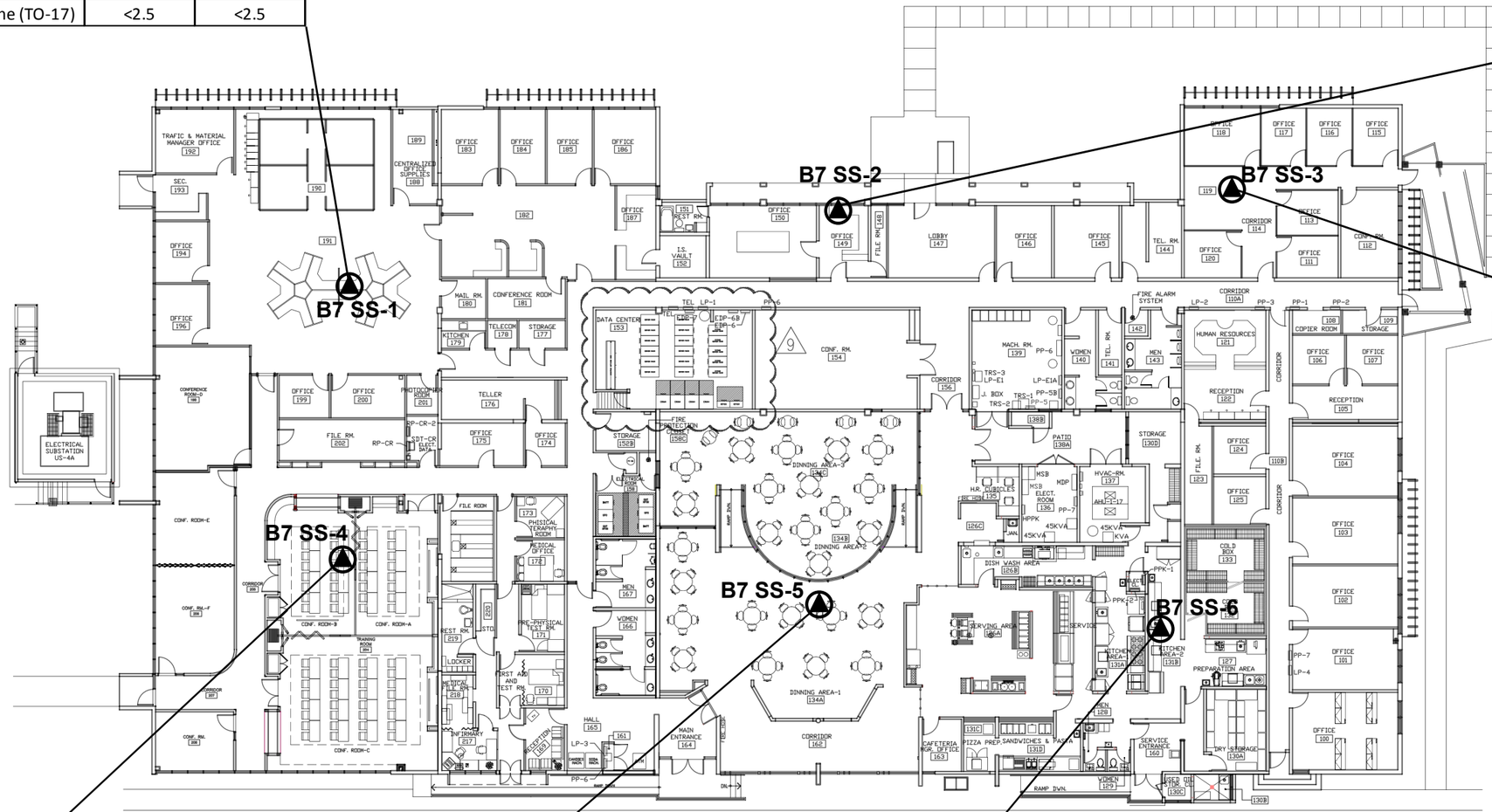


Scale: As Shown	Date: Aug 2016	**Figure 3** Building 7 Layout and Sample Locations
ANDERSON - MULHOLLAND & ASSOCIATES, INC. PURCHASE, NEW YORK		**May and June 2016** Bristol-Myers Squibb Manufacturing Company Humacao, Puerto Rico

B7 SS-1	Jun-16	Jun-16 D
1,2-Dichloroethane	<4.7	<5
Chloroform	<5.7	<6
Naphthalene (TO-15)	<12	<13
Naphthalene (TO-17)	<2.5	<2.5

B7 SS-2	Jun-16
1,2-Dichloroethane	<4.7
Chloroform	<5.7
Naphthalene (TO-15)	<12
Naphthalene (TO-17)	**1.2 J**

B7 SS-3	Jun-16
1,2-Dichloroethane	<4.4
Chloroform	<5.4
Naphthalene (TO-15)	<12
Naphthalene (TO-17)	<2.5



B7 SS-4	Jun-16
1,2-Dichloroethane	<4.9
Chloroform	<5.9
Naphthalene (TO-15)	<13
Naphthalene (TO-17)	<2.5

B7 SS-5	Jun-16
1,2-Dichloroethane	<4.6
Chloroform	<5.6
Naphthalene (TO-15)	<12
Naphthalene (TO-17)	**2.0 J**

B7 SS-6	Jun-16
1,2-Dichloroethane	<4.9
Chloroform	**4.6 J**
Naphthalene (TO-15)	<13
Naphthalene (TO-17)	<2.5

LEGEND

Co-Located Sub-Slab/
Indoor Air Sample Location

Notes:
Detected results are shown in bold.
Results that exceed a May 2016
Industrial Sub-Slab Vapor Intrusion
Screening Level are shown shaded.
J: Indicates an estimated value.

COMPOUND NAME	Industrial Sub-Slab Soil Gas Screening Level
1,2-Dichloroethane	16
Chloroform	18
Naphthalene	12

N

5' 0 10' 20'

Scale: As Shown	Date: Jul 2016
ANDERSON - MULHOLLAND & ASSOCIATES, INC. PURCHASE, NEW YORK	

Figure 4
Building 7 Sub-Slab Sampling Results, ug/m³

June 2016

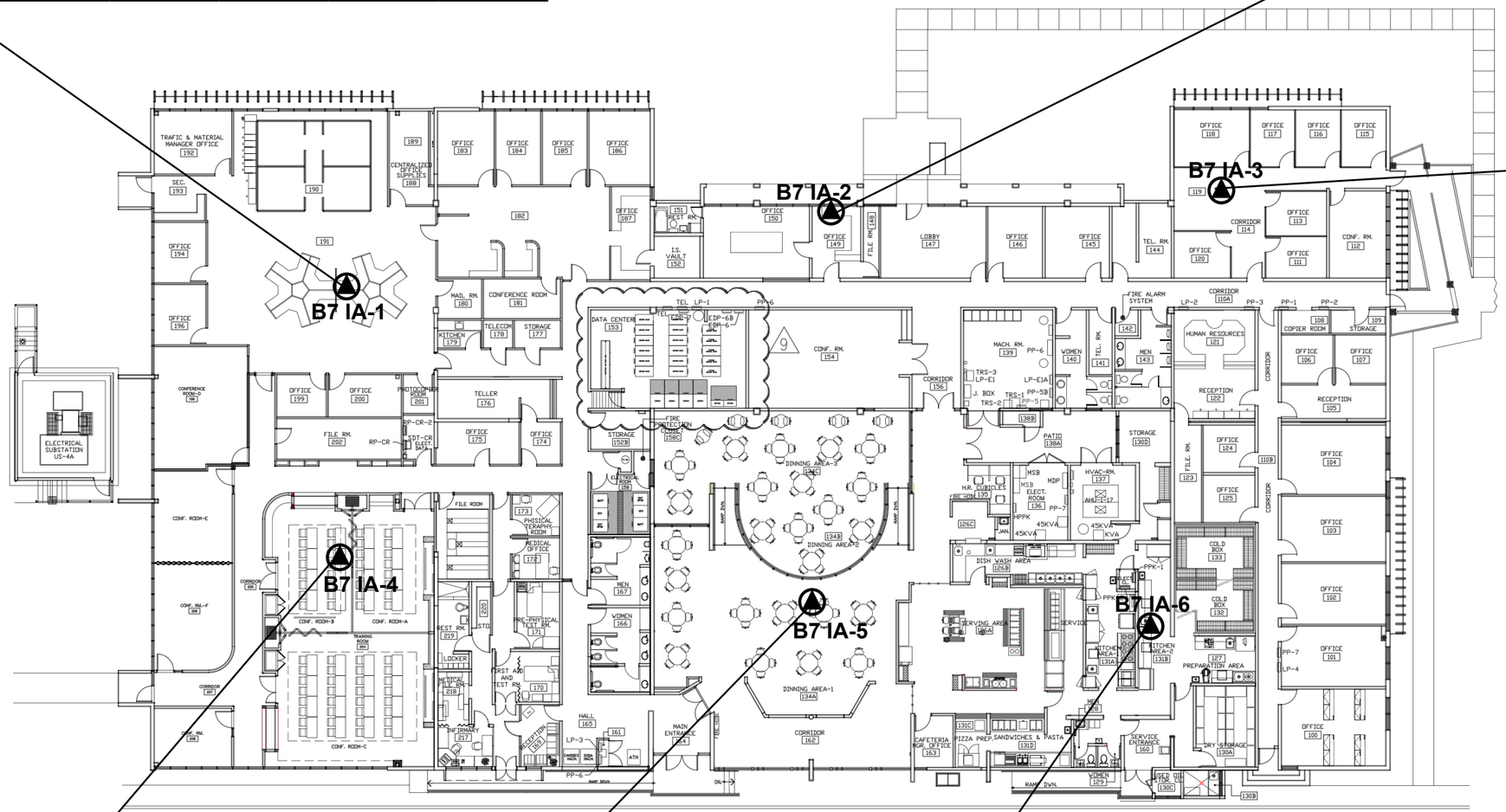
Bristol-Myers Squibb Manufacturing Company
Humacao, Puerto Rico

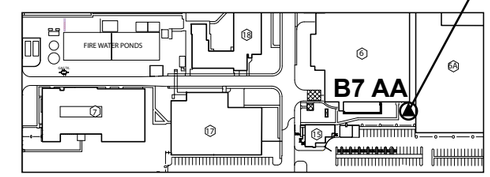
B7 IA-1	May-16	May-16 D	Jun-16	Jun-16 D
1,2-Dichloroethane	<0.66	<0.67	<0.65	<0.68
Chloroform	**0.46 J**	**0.53 J**	<0.79	<0.82
Naphthalene (TO-15)	<4.3	<4.4	**0.15 J**	**0.1 J**
Naphthalene (TO-17)	**0.1**	**0.14**	**0.12**	**0.12**

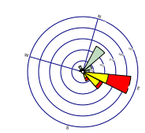
B7 IA-2	May-16	Jun-16
1,2-Dichloroethane	<0.84	<0.65
Chloroform	**0.72 J**	**0.19 J**
Naphthalene (TO-15)	**0.22 J**	**0.17 J**
Naphthalene (TO-17)	**0.37**	**0.14**

B7 IA-3	May-16	Jun-16
1,2-Dichloroethane	**0.45 J**	**0.49 J**
Chloroform	**0.53 J**	**<0.91**
Naphthalene (TO-15)	**0.41 J**	**0.31 J**
Naphthalene (TO-17)	**0.27**	**0.24**

B7 AA	May-16	Jun-16
1,2-Dichloroethane	<0.7	<0.76
Chloroform	<0.84	<0.92
Naphthalene (TO-15)	<4.5	**0.33 J**
Naphthalene (TO-17)	<0.26	**0.032 J**







LEGEND

Co-Located Sub-Slab Soil Gas/ Indoor Air Sample Location

Notes:
Detected results are shown in bold.
Results that exceed a May 2016 Industrial Indoor Air Screening Level are shown shaded.
J: Indicates an estimated value.

Compound	Industrial Indoor Air Screening Level
1,2-Dichloroethane	0.47
Chloroform	0.53
Naphthalene	0.36

N

5' 0 10' 20'

B7 IA-4	May-16	Jun-16
1,2-Dichloroethane	<0.66	<0.64
Chloroform	<0.79	<0.78
Naphthalene (TO-15)	<4.2	**0.12 J**
Naphthalene (TO-17)	**0.1 J**	**0.09**

B7 IA-5	May-16	Jun-16
1,2-Dichloroethane	<0.64	<0.68
Chloroform	**0.46 J**	**0.32 J**
Naphthalene (TO-15)	**0.47 J**	**0.45 J**
Naphthalene (TO-17)	**0.31**	**0.31**

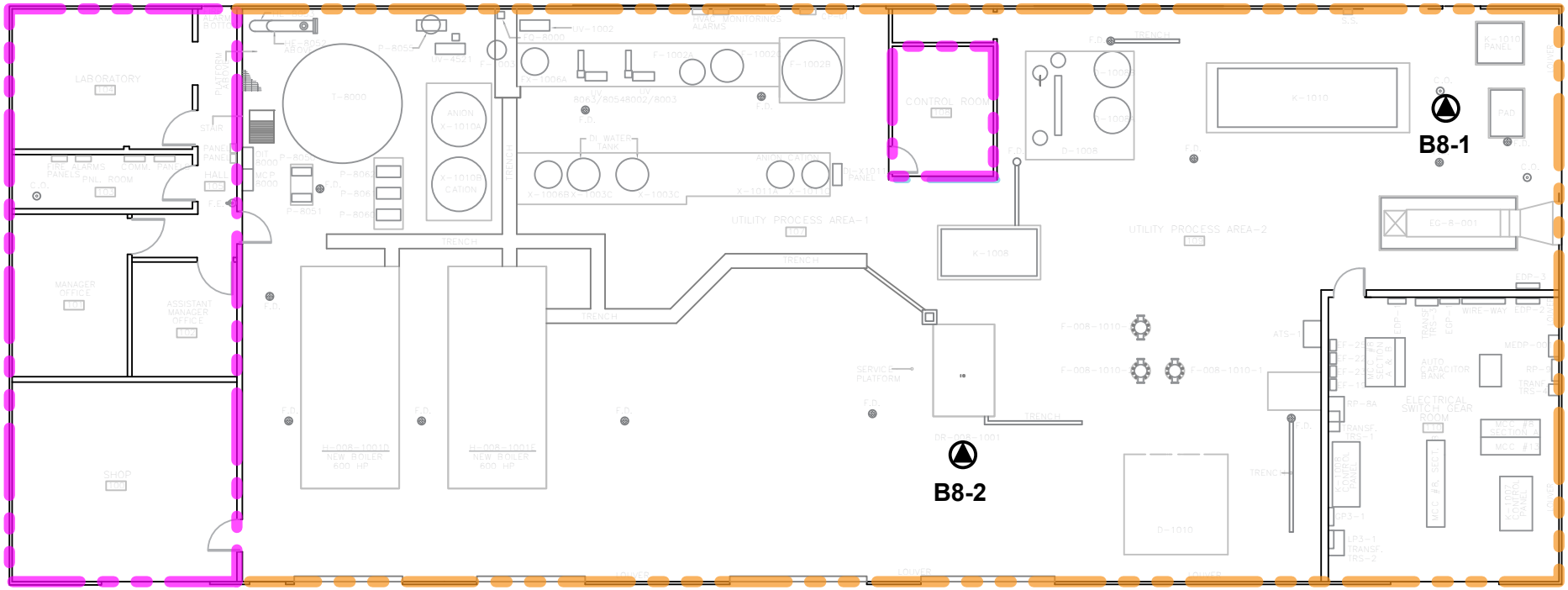
B7 IA-6	May-16	Jun-16
1,2-Dichloroethane	<1.1	<0.62
Chloroform	**0.62 J**	**0.28 J**
Naphthalene (TO-15)	**0.48 J**	**0.83 J**
Naphthalene (TO-17)	**0.3**	**0.23**

Scale: As Shown

Date: Jul 2016

ANDERSON - MULHOLLAND & ASSOCIATES, INC.
PURCHASE, NEW YORK

Figure 5
Building 7 Indoor Air Sampling Results, ug/m³
May and June 2016
Bristol-Myers Squibb Manufacturing Company
Humacao, Puerto Rico



LEGEND

Co-Located Sub-Slab/
Indoor Air Sample Location

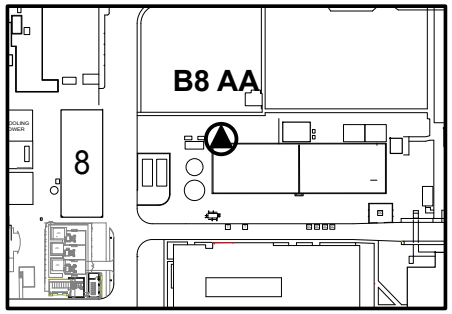
Area Served by Dedicated Air Conditioner

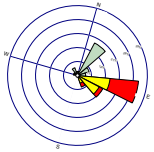
Area Ventilated by Exhaust Fans

N

0 1' 2' 5' 10' 15' 20' 25' 30' 35' 40'

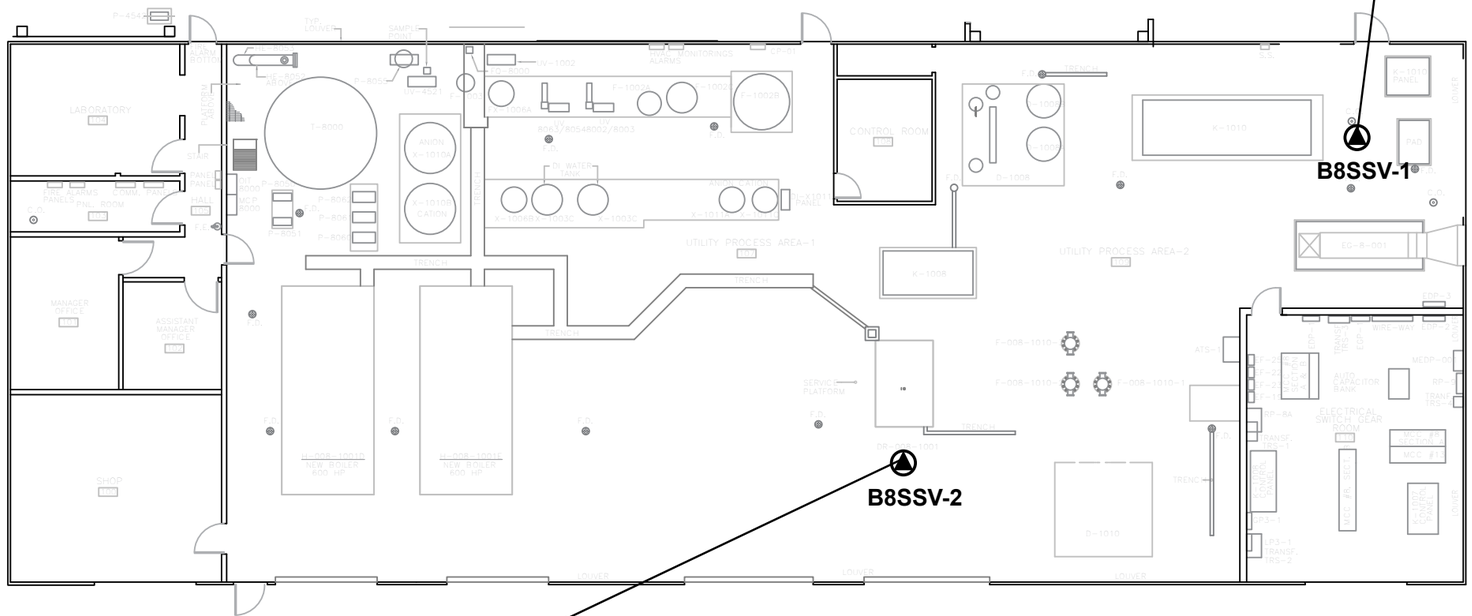
GRAPHIC SCALE





Scale: As Shown	Date: Jul 2016	**Figure 6** **Building 8 Layout and Sample Locations**
ANDERSON - MULHOLLAND & ASSOCIATES, INC. PURCHASE, NEW YORK		**Aug. and Oct. 2015** Bristol-Myers Squibb Manufacturing Company Humacao, Puerto Rico

B8 SS-1	Aug-15	Aug-15 D
Benzene	**4.8**	**4.5 J**
Ethylbenzene	**3.3 J**	**7.4**
MTBE	<2.9	<5.8
Vinyl chloride	<2	<4.1
Methane (%)	**0.012**	**0.02**



LEGEND

Co-Located Sub-Slab Soil Gas/ Indoor Air Sample Location

Notes:
Detected results are shown in bold.
Results that exceed a May 2016 Industrial Sub-Slab Soil Gas Screening Level are shown shaded.
J: Indicates an estimated value.
E: Exceeds instrument calibration range.

Compound	Industrial Sub-Slab Soil Gas Screening Level
Benzene	52
Ethylbenzene	160
MTBE	1600
Vinyl chloride	93
Methane (%)	0.5

B8 SS-2	Aug-15	Oct-15	Oct-15 D
Benzene	<77	**64 J**	**62 J**
Ethylbenzene	<100	**220**	**230**
MTBE	**1910**	**850**	**850**
Vinyl chloride	**108**	**89 J**	**98 J**
Methane (%)	**38 E**	**59**	**60**

N

GRAPHIC SCALE

Scale: As Shown

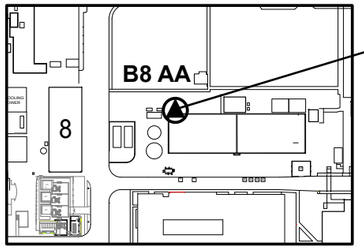
Date: Aug 2016

ANDERSON - MULHOLLAND & ASSOCIATES, INC.
PURCHASE, NEW YORK

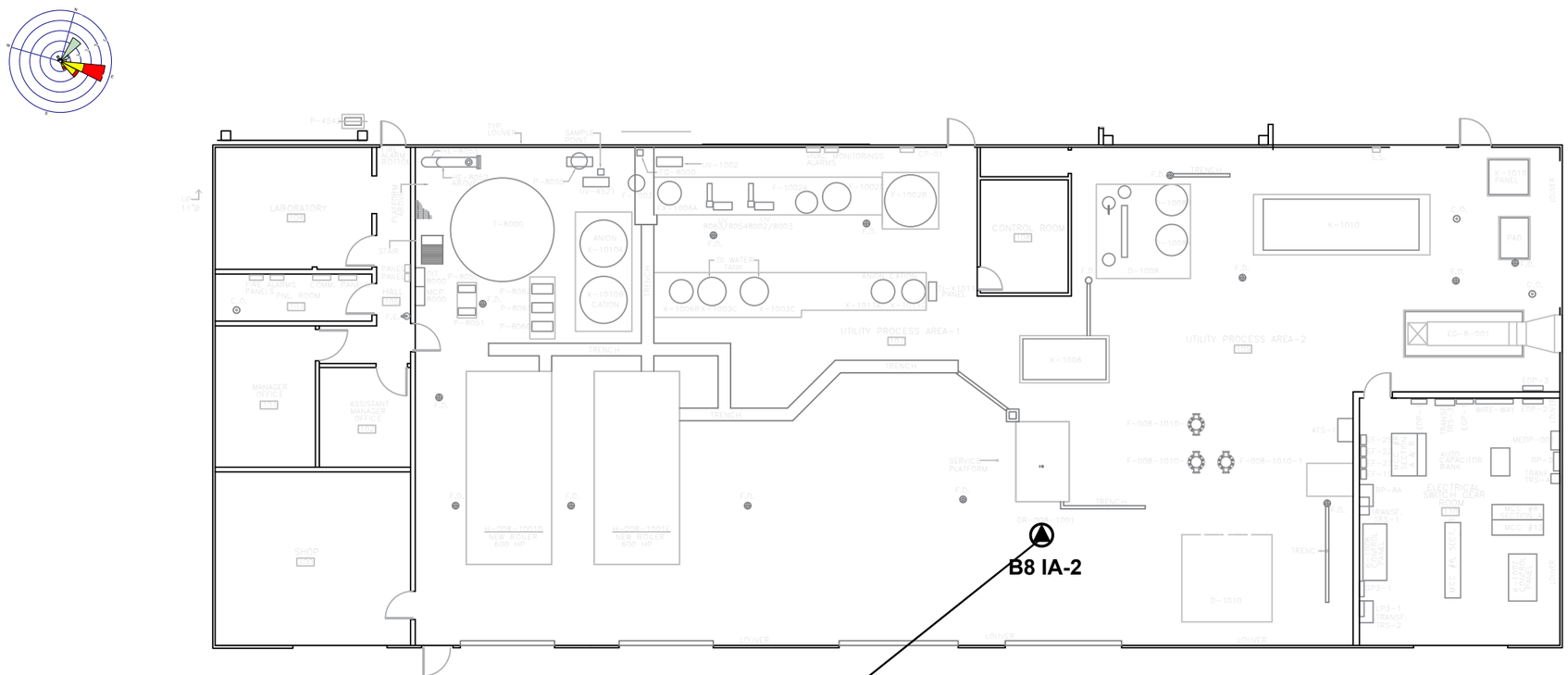
Figure 7
Building 8 Sub-Slab Soil Gas Sampling Results, ug/m³

Aug. and Oct. 2015

Bristol-Myers Squibb Manufacturing Company
Humacao, Puerto Rico



B8 AA	Oct-15
Benzene	**0.44 J**
Ethylbenzene	**0.27 J**
MTBE	<0.57
Vinyl Chloride	<0.4
Methane (%)	**0.0002**



B8 IA-2	Oct-15	Oct-15 D
Benzene	**0.32 J**	<0.56
Ethylbenzene	<0.68	<0.77
MTBE	<0.57	<0.64
Vinyl Chloride	<0.4	<0.45
Methane (%)	**0.00021**	**0.00022**

LEGEND

Co-Located Sub-Slab Soil Gas/ Indoor Air Sample Location

Notes:
Detected results are shown in bold.
Results that exceed a May 2016 Industrial Indoor Air Screening Level are shown shaded.
J: Indicates an estimated value.

Compound	Industrial Indoor Air Screening Level
Benzene	1.6
Ethylbenzene	4.9
MTBE	47
Vinyl Chloride	2.8
Methane (%)	0.5

N

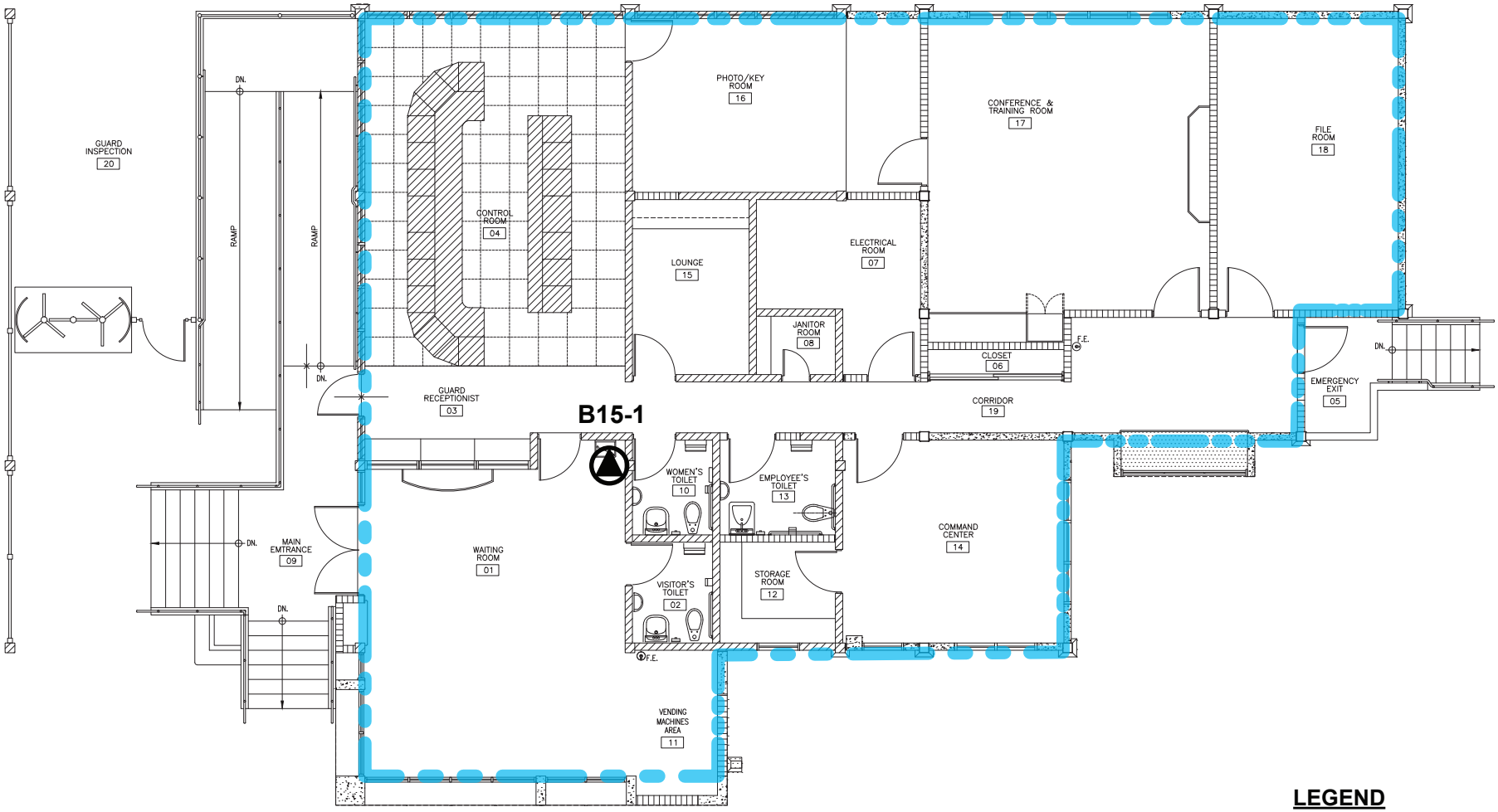
GRAPHIC SCALE

Scale: As Shown	Date: Aug 2016
ANDERSON - MULHOLLAND & ASSOCIATES, INC. PURCHASE, NEW YORK	

Figure 8
Building 8 Indoor Air Sampling Results, ug/m³

Oct. 2015

Bristol-Myers Squibb Manufacturing Company
Humacao, Puerto Rico

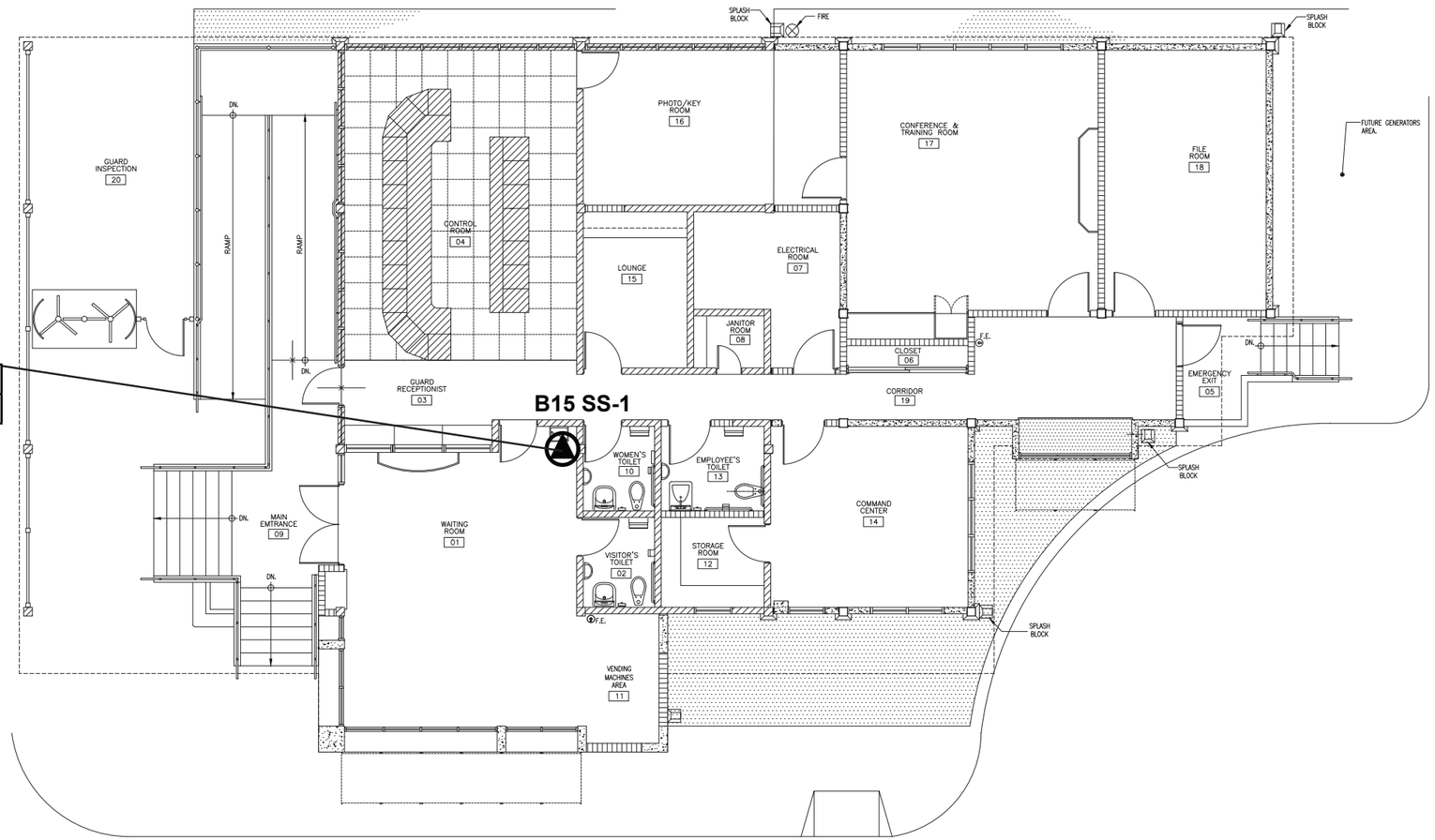


LEGEND

Sub-Slab Sample Location

HVAC Zone

Scale: As Shown	Date: Jul 2016	**Figure 9** **Building 15 Layout and Sample Location**
ANDERSON - MULHOLLAND & ASSOCIATES, INC. PURCHASE, NEW YORK		**June 2016** Bristol-Myers Squibb Manufacturing Company Humacao, Puerto Rico



B15SS-1	6/12/2016
1,4-Dioxane	**1.7 J**

LEGEND

Sub-Slab Soil Gas Sample Location

Notes:
Detected results are shown in bold.
Results that exceed a May 2016 Industrial Sub-Slab Soil Gas Screening Level are shown shaded.
J: Indicates an estimated value.

Compound	Industrial Sub-Slab Soil Gas Screening Level
1,4-Dioxane	82

N

20 0 10 20

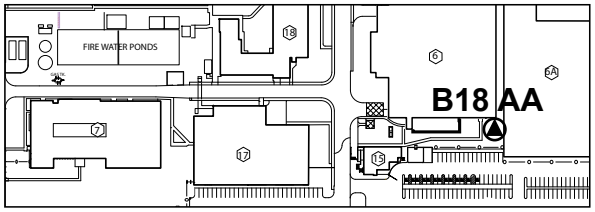
GRAPHIC SCALE (IN FEET)

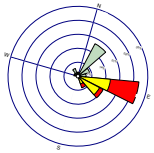
Scale: As Shown	Date: Aug 2016	**Figure 10** **Building 15 Sub-Slab Sampling Results, ug/m³**
ANDERSON - MULHOLLAND & ASSOCIATES, INC. PURCHASE, NEW YORK		**June 2016** Bristol-Myers Squibb Manufacturing Company Humacao, Puerto Rico

Legend

Co-Located Indoor Air and Sub-Slab Soil Gas Sample Location

HVAC Zone/HVAC ID



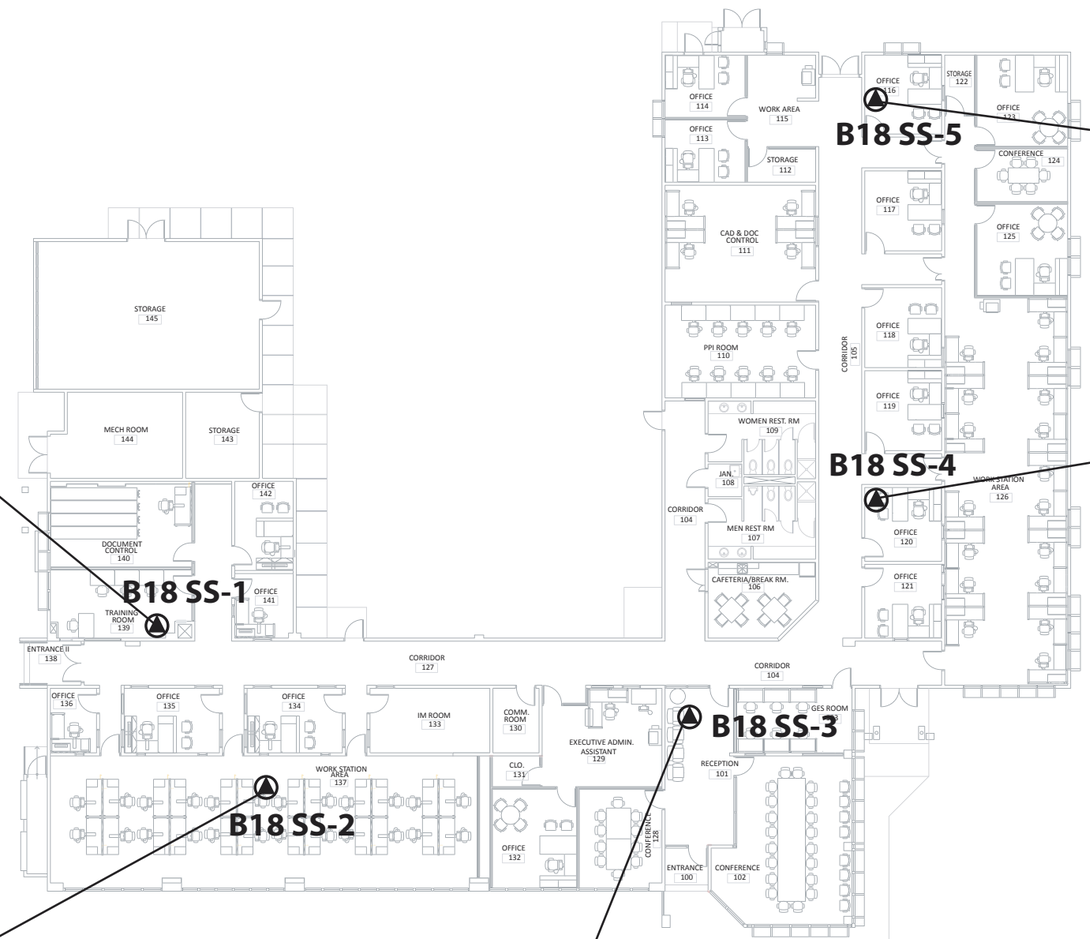


Scale: As Shown	Date: Jul 2016	**Figure 11** **Building 18 Indoor Air Sampling Locations**
ANDERSON - MULHOLLAND & ASSOCIATES, INC. PURCHASE, NEW YORK		**July 2016** Bristol-Myers Squibb Manufacturing Company Humacao, Puerto Rico

Compound	B18SS-1 7/11/2016	B18SS-1D 7/11/2016
1,2-Dichloroethane	<4.8	<4.8
Naphthalene (TO-15)	**0.77 J**	**0.58 J**
Naphthalene (TO-17)	**1.8 J**	**1.4 J**
Trichloroethene	<6.4	<6.4

Compound	B18SS-5 7/12/2016
1,2-Dichloroethane	<4.7
Naphthalene (TO-15)	**2.1 J**
Naphthalene (TO-17)	**2.6 J**
Trichloroethene	<6.3

Compound	B18SS-4 7/12/2016
1,2-Dichloroethane	<5
Naphthalene (TO-15)	**4 J**
Naphthalene (TO-17)	**3.8**
Trichloroethene	<6.6



Compound	B18SS-2 7/12/2016
1,2-Dichloroethane	**1 J**
Naphthalene (TO-15)	<12
Naphthalene (TO-17)	**1.7 J**
Trichloroethene	<6.4

Compound	B18SS-3 7/11/2016
1,2-Dichloroethane	<4.8
Naphthalene (TO-15)	<12
Naphthalene (TO-17)	**12**
Trichloroethene	<6.4

Legend

Co-Located Sub-Slab Soil Gas/ Indoor Air Sample Location

Notes:
Detected results are shown in bold.
Results that exceed a May 2016 Industrial Sub-Slab Soil Gas Screening Level are shown shaded.
J: Indicates an estimated value.

Compound	Industrial Sub-Slab Screening Level
1,2-Dichloroethane	16
Naphthalene (TO-15)	12
Naphthalene (TO-17)	12
Trichloroethene	100

N

5′ 0 10′ 20′

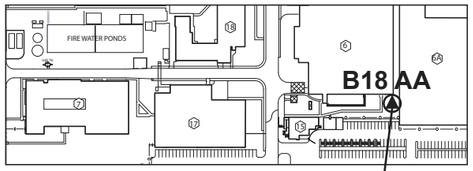
Scale: As Shown

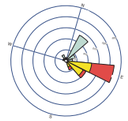
Date: Aug 2016

ANDERSON - MULHOLLAND & ASSOCIATES, INC.
PURCHASE, NEW YORK

Figure 12
Building 18 Sub-Slab Sampling Results, ug/m³

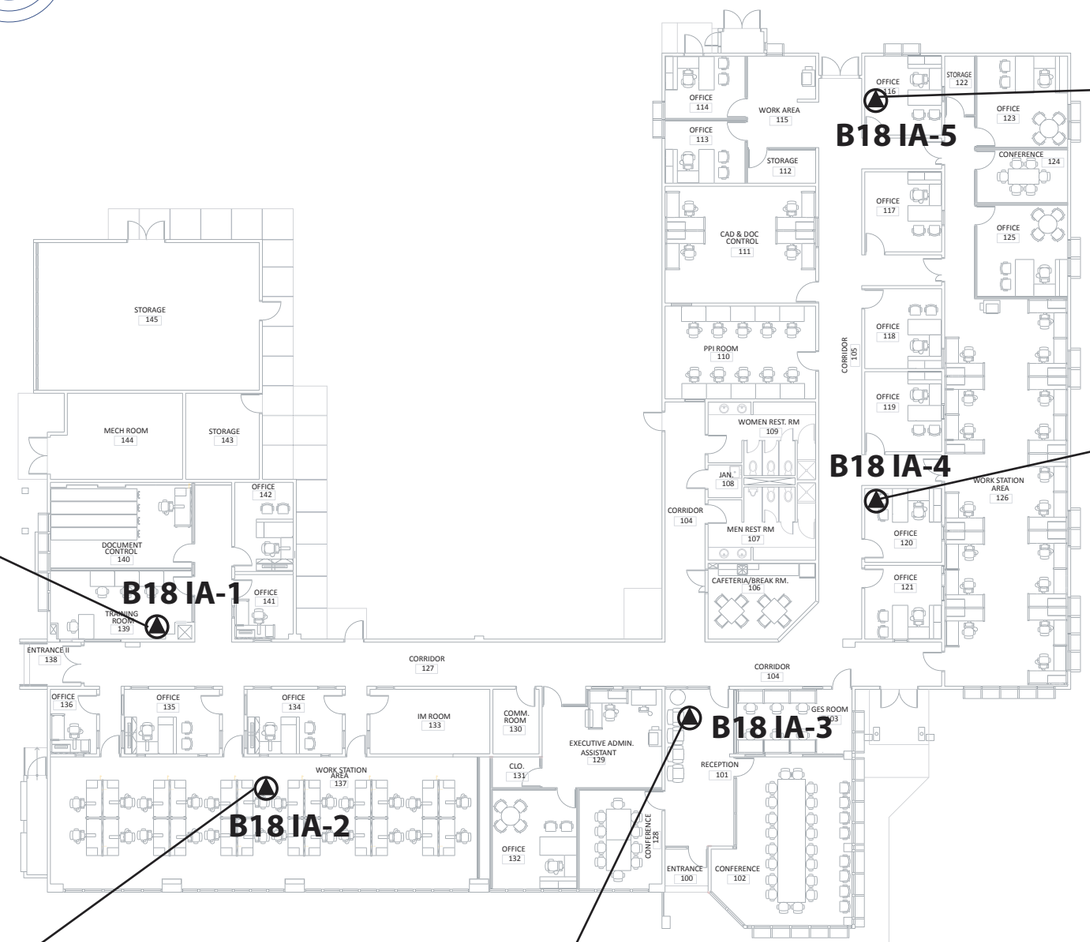
July 2016
Bristol-Myers Squibb Manufacturing Company
Humacao, Puerto Rico





Compound	B18AA 7/12/2016
1,2-Dichloroethane	<0.64
Naphthalene (TO-15)	**0.12 J**
Naphthalene (TO-17)	<0.06
Trichloroethene	<0.85

Compound	B18IA-1 7/9/2016	B18IA-1D 7/9/2016
1,2-Dichloroethane	**5**	**4.8**
Naphthalene (TO-15)	**0.19 J**	**0.18 J**
Naphthalene (TO-17)	**0.16**	<0.088
Trichloroethene	**3.2**	**2.9**



Compound	B18IA-2 7/9/2016
1,2-Dichloroethane	**4.4**
Naphthalene (TO-15)	**0.16 J**
Naphthalene (TO-17)	**0.046 J**
Trichloroethene	**2.1**

Compound	B18IA-3 7/9/2016
1,2-Dichloroethane	**1.5**
Naphthalene (TO-15)	**0.12 J**
Naphthalene (TO-17)	**0.11**
Trichloroethene	**1.5**

Compound	B18IA-5 7/9/2016
1,2-Dichloroethane	**3.2**
Naphthalene (TO-15)	**0.16 J**
Naphthalene (TO-17)	**0.39**
Trichloroethene	**2.9**

Compound	B18IA-4 7/9/2016
1,2-Dichloroethane	**3.6**
Naphthalene (TO-15)	**0.24 J**
Naphthalene (TO-17)	**0.15**
Trichloroethene	**3.6**

Legend

Co-Located Sub-Slab Soil Gas/ Indoor Air Sample Location

Notes:
Detected results are shown in bold.
Results that exceed a May 2016
Industrial Indoor Air
Screening Level are shown shaded.
J: Indicates an estimated value.

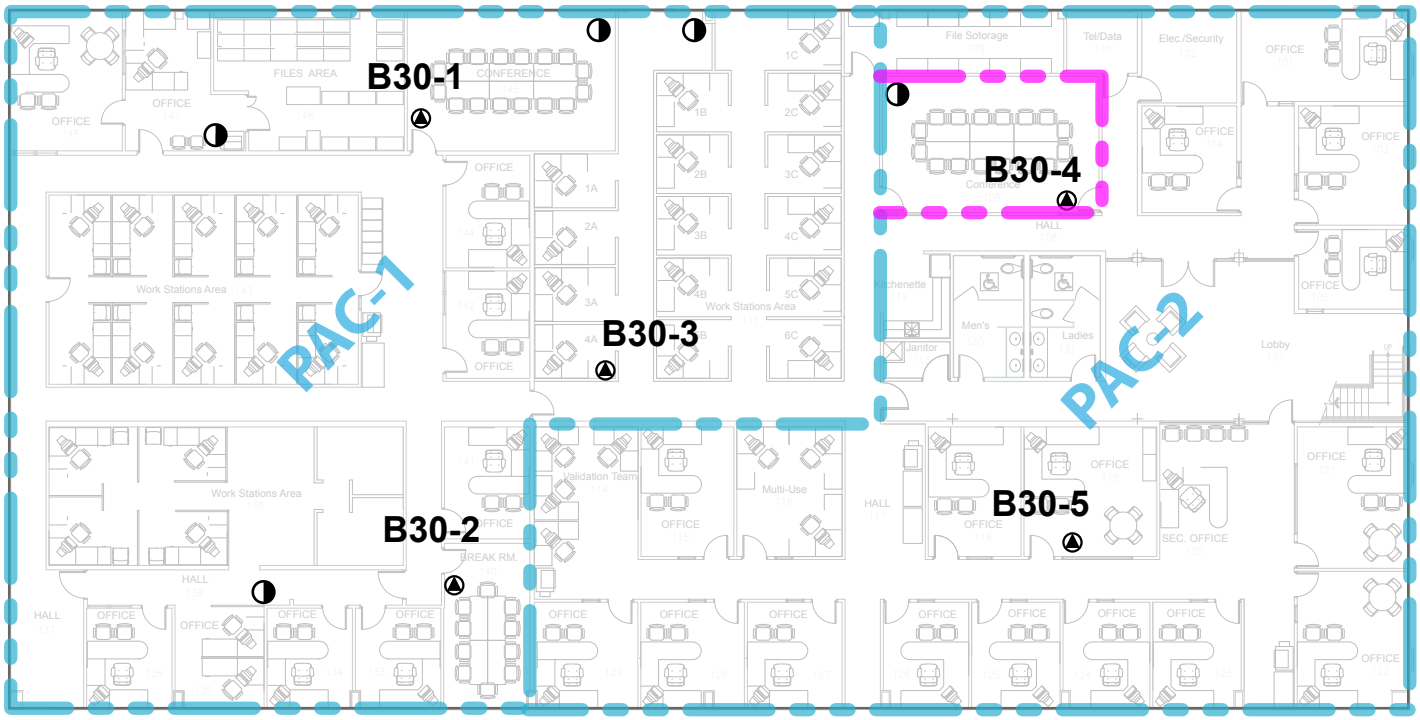
Compound	Industrial Indoor Air SL
1,2-Dichloroethane	0.47
Naphthalene (TO-15)	0.36
Naphthalene (TO-17)	0.36
Trichloroethene	3

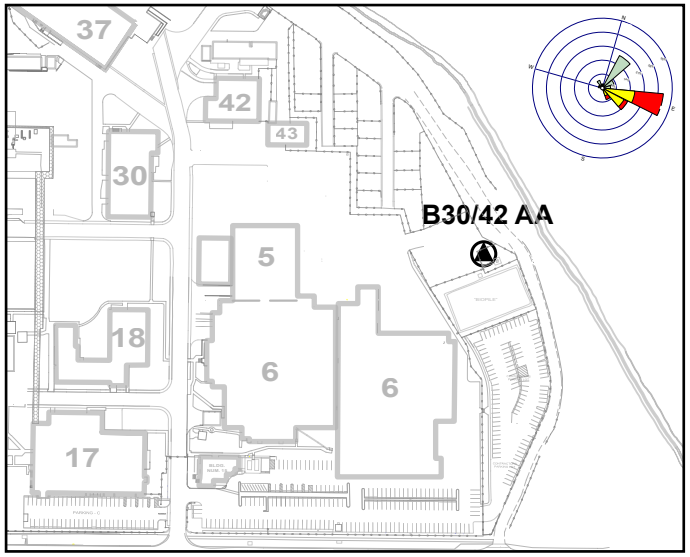
N

5′ 0 10′ 20′

Scale: As Shown	Date: Aug 2016
ANDERSON - MULHOLLAND & ASSOCIATES, INC. PURCHASE, NEW YORK	

Figure 13
Building 18 Indoor Air Sampling Results, ug/m³
July 2016
Bristol-Myers Squibb Manufacturing Company
Humacao, Puerto Rico





LEGEND

- Co-Located Sub-Slab/ Indoor Air Sample Location
- Location of Aller Air Carbon Unit
- HVAC Zone/ HVAC ID
- Area Served by Portable Air Conditioner

N

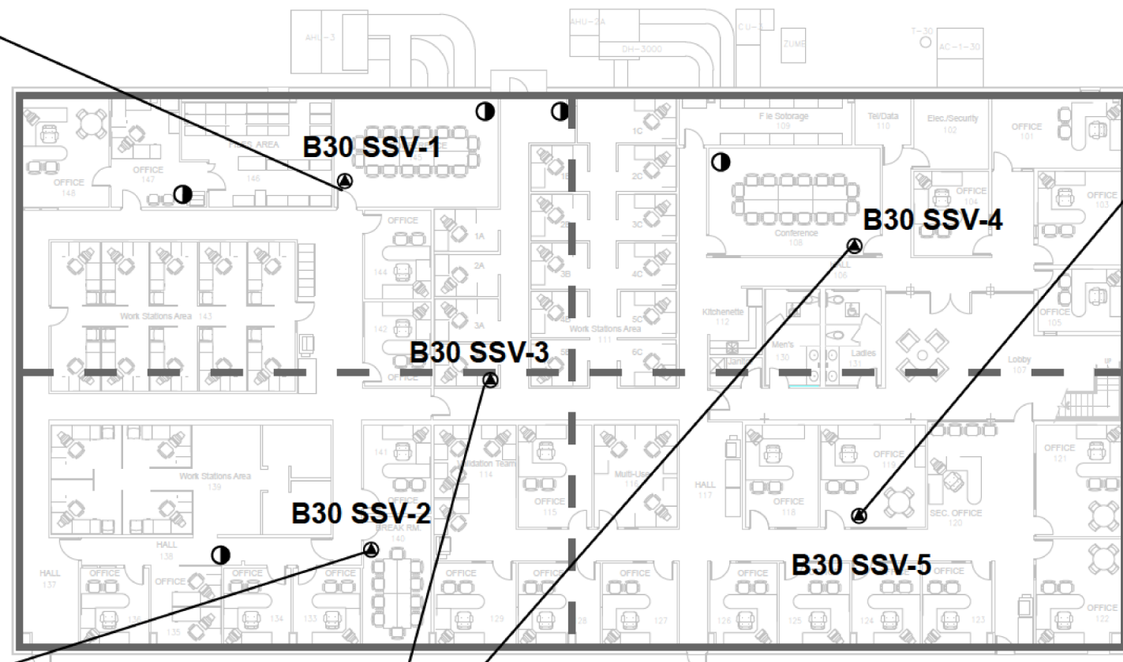
20 0 10 20

GRAPHIC SCALE (IN FEET)

Scale: As Shown	Date: Jul 2016	**Figure 14** **Building 30 Layout and Sample Locations**
ANDERSON - MULHOLLAND & ASSOCIATES, INC. PURCHASE, NEW YORK		**Oct. 2015, Jan. 2016, May 2016, July 2016** Bristol-Myers Squibb Manufacturing Company Humacao, Puerto Rico

B30 SS-1	Oct-15 TO-15	Jan-16 TO-15	Jan-16 TO-17
Benzene	**1700 J**	<13000	**680**
Ethylbenzene	**280000**	**61000**	**6200 EJ**
Total Xylenes	**3059000**	**1936000**	**97600 SJ**
1,2-Dichloroethane	<4700	<16000	<10
1,2-Dichloropropane	<5400	<18000	<12
Naphthalene (TO-15)	<24000	<83000	**1.5 J**
Vinyl Chloride	<3000	<10000	**170**
Methane (%)	**9.3**	**48**	NS

B30 SS-5	Oct-15	Jan-16
Benzene	NS(1)	<3.4
Ethylbenzene	NS(1)	<4.7
Total Xylenes	NS(1)	**1.4 J**
1,2-Dichloroethane	NS(1)	<4.4
1,2-Dichloropropane	NS(1)	<5
Naphthalene (TO-15)	NS(1)	<11
Naphthalene (TO-17)	NS(1)	<2.5
Vinyl Chloride	NS(1)	<2.7
Methane (%)	**0.0002**	**0.00022**



LEGEND

Co-Located Sub-Slab Soil Gas/ Indoor Air Sample Location

Location of Aller Air Carbon Units

Notes:
Detected results are shown in bold.
Results that exceed a May 2016 Target Industrial Sub-Slab Soil Gas Screening Level are shown shaded.
NS: Sample not analyzed for this compound.
NS(1): Sample not analyzed for this compound due to laboratory error.
J: Indicates an estimated value.
E: Exceeds instrumentation calibration range.
S: Saturated peak.
EJ: Exceeds instrument calibration range. Value is estimated
SJ: Saturated peak value is estimated
JJ: Indicates field duplicate precision criteria was not met.

Compound	Target Industrial Sub-Slab Soil Gas Screening Level
Benzene	52
Ethylbenzene	160
Total Xylenes	15000
1,2-Dichloroethane	16
1,2-Dichloropropane	41
Naphthalene	12
Vinyl Chloride	93
Methane (%)	0.5

B30 SS-2	Oct-15	Jan-16
Benzene	**190**	<3.7
Ethylbenzene	**14 J**	<5
Total Xylenes	**50 J**	<5
1,2-Dichloroethane	<18	<4.7
1,2-Dichloropropane	<21	<5.4
Naphthalene (TO-15)	<48	<12
Naphthalene (TO-17)	NS	<2.5
Vinyl Chloride	<12	<3
Methane (%)	**0.25**	**0.00029**

B30 SS-3	Oct-15	Jan-16
Benzene	**4.3**	<4
Ethylbenzene	<5	<5.4
Total Xylenes	**5 J**	<5.4
1,2-Dichloroethane	<4	<5.1
1,2-Dichloropropane	<5	<5.8
Naphthalene (TO-15)	**0.62 J**	<13
Naphthalene (TO-17)	NS	<2.5
Vinyl Chloride	<3	<3.2
Methane (%)	**0.14**	**0.00066**

B30 SS-4	Oct-15	Oct-15 D	Jan-16	Jan-16 D
Benzene	**1.8 J**	<3	NS	<27
Ethylbenzene	<4	<5	NS	**16 J**
Total Xylenes	**2.4 J**	<5	NS	**68 J**
1,2-Dichloroethane	<4	<4	NS	<34
1,2-Dichloropropane	<5	<5	NS	<39
Naphthalene (TO-15)	**0.36 JJ**	**0.3 JJ**	NS	<89
Naphthalene (TO-17)	NS	NS	<2.5	<2.5
Vinyl Chloride	<2	<3	NS	<22
Methane (%)	**0.00022**	**0.00021**	NS	**0.00018 J**

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GRAPHIC SCALE (IN FEET)

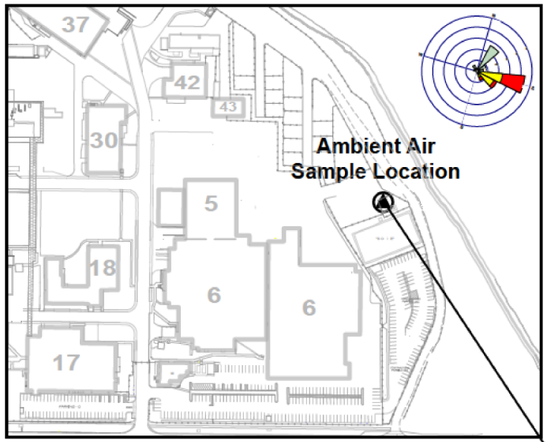
Scale: As Shown

Date: Aug 2016

ANDERSON - MULHOLLAND & ASSOCIATES, INC.
PURCHASE, NEW YORK

Figure 15
Building 30 Sub-Slab Soil Gas Sampling Results, ug/m³

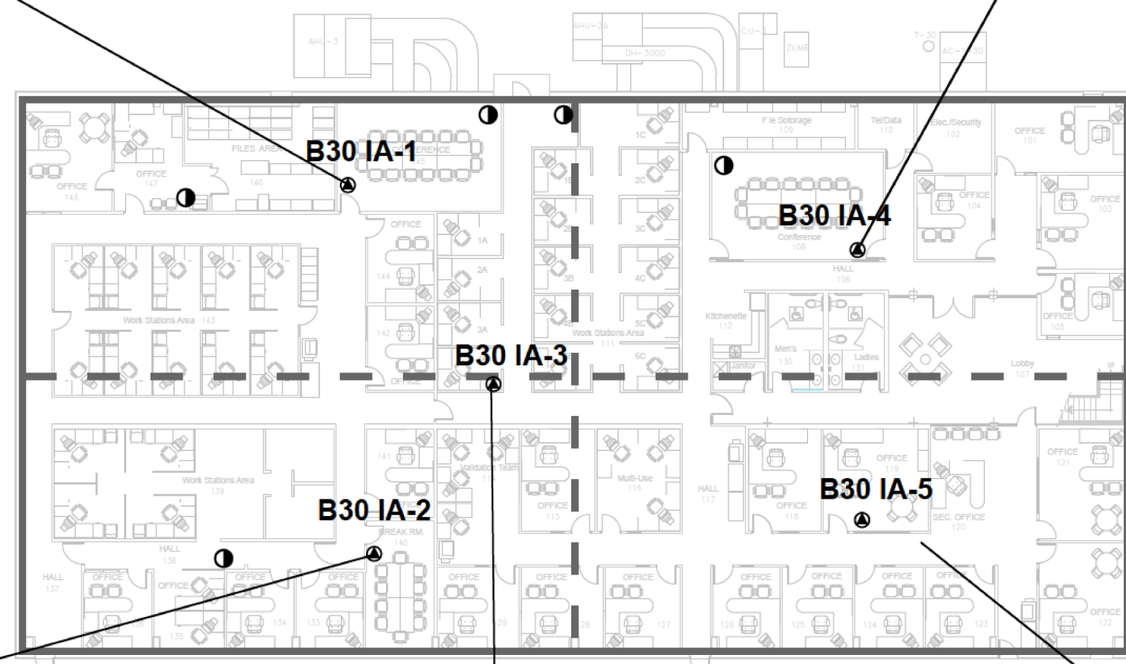
Oct. 2015 and Jan. 2016
Bristol-Myers Squibb Manufacturing Company
Humacao, Puerto Rico



Compounds	B3042AA Oct-15	B30AA Jan-16	B3042AA May-16	B18AA Jul-16
Benzene	<0.6	**0.24 J**	**0.26 J**	**0.32 J**
Ethylbenzene	**0.36 J**	<0.83	<0.75	<0.69
Total Xylenes	**1.4 J**	<0.83	**0.18 J**	**0.17 J**
1,2-Dichloroethane	<0.76	<0.77	<0.7	<0.64
1,2-Dichloropropane	<0.87	<0.88	<0.8	<0.73
Naphthalene (TO-15)	<4.9	<5	**0.25 J**	**0.12 J**
Naphthalene (TO-17)	NA	<0.068	<0.063	<0.06
Vinyl Chloride	<0.48	<0.49	<0.44	<0.41
Methane	**0.0002**	**0.0002**	**0.00024**	**0.00018**

B30 IA-1	Oct-15	Jan-16	May-16	May-16 D	Jul-16
Benzene	**1.5**	**0.7**	**0.23 J**	**0.43 J**	**0.23 J**
Ethylbenzene	**4.9**	<0.79	**0.19 J**	**0.35 J**	<0.71
Total Xylenes	**19.8**	**0.37 J**	**0.72 J**	**1.22 J**	**0.54 J**
1,2-Dichloroethane	**0.31 J**	<0.74	<0.63	<0.63	<0.66
1,2-Dichloropropane	**3.3**	<0.84	<0.72	<0.72	<0.76
Naphthalene (TO-15)	<4.4	<4.8	**0.23 J**	**0.64 J**	<4.3
Naphthalene (TO-17)	NS	**0.54**	**0.094 J**	**0.078**	**0.087**
Vinyl Chloride	<0.42	<0.47	<0.4	<0.4	<0.42
Methane	**0.00023**	**0.00027**	**0.00035**	**0.0003**	**0.00037**

B30 IA-4	Oct-15	Oct-15 D	Jan-16	Jan-16 D	May-16
Benzene	**0.32 J**	**0.35 J**	**0.29 J**	**0.34 J**	**0.27 J**
Ethylbenzene	**0.71**	**0.47 J**	<0.63	<0.87	<0.76
Total Xylenes	**2.26**	**1.54 J**	**0.52 J**	**0.41 J**	**0.77 J**
1,2-Dichloroethane	<0.65	**0.21 J**	**0.15 J**	<0.81	**0.31 J**
1,2-Dichloropropane	**0.31 J**	<0.7	<0.67	<0.93	<0.81
Naphthalene (TO-15)	**2.6 JJ**	**1.6 J**	**0.22 J**	<5.3	<4.6
Naphthalene (TO-17)	NS	NS	**0.16**	**0.18**	**0.095**
Vinyl Chloride	<0.41	<0.38	<0.37	<0.51	<0.45
Methane	**0.00028**	**0.00028**	**0.00023**	**0.00023**	**0.0003**



LEGEND

Co-Located Sub-Slab Soil Gas/ Indoor Air Sample Location

Location of Aller Air Carbon Unit

Notes:
Detected results are shown in bold.
Results that exceed a May 2016 Industrial Indoor Air Screening Level are shown shaded.
NS: Sample not analyzed for this compound.
J: Indicates an estimated value.
JJ: Indicates field duplicate precision criteria was not met.
Ambient air sample B18AA was collected as the ambient air sample for indoor air sample B30IA-1 collected on July 9, 2016

Compound	Industrial Indoor Air Screening Level
Benzene	1.6
Ethylbenzene	4.9
Total Xylenes	440
1,2-Dichloroethane	0.47
1,2-Dichloropropane	1.2
Naphthalene	0.36
Vinyl Chloride	2.8
Methane	0.5

B30 IA-2	Oct-15	Jan-16	May-16
Benzene	**0.29 J**	**0.33 J**	**0.36 J**
Ethylbenzene	<0.72	<0.74	**0.17 J**
Total Xylenes	**0.96 J**	**0.38 J**	**0.55 J**
1,2-Dichloroethane	**0.28 J**	<0.69	**0.52 J**
1,2-Dichloropropane	<0.77	<0.79	<0.61
Naphthalene (TO-15)	<4.4	**0.33 J**	<3.4
Naphthalene (TO-17)	NS	**0.077 J**	**0.2**
Vinyl Chloride	<0.43	<0.44	<0.34
Methane	**0.00032**	**0.00027**	**0.00021**

B30 IA-3	Oct-15	Jan-16	May-16
Benzene	**0.3 J**	**0.28 J**	**0.37 J**
Ethylbenzene	<0.75	<0.78	**0.22 J**
Total Xylenes	**0.7 J**	**0.33 J**	**0.85 J**
1,2-Dichloroethane	<0.7	<0.72	<0.62
1,2-Dichloropropane	<0.79	<0.83	<0.7
Naphthalene (TO-15)	<4.5	<4.7	**0.2 J**
Naphthalene (TO-17)	NS	**0.095**	**0.069**
Vinyl Chloride	<0.44	<0.46	<0.39
Methane	**0.00029**	**0.00024**	**0.00034**

B30 IA-5	Oct-15	Jan-16	May-16
Benzene	**0.41 J**	**0.3 J**	**0.41 J**
Ethylbenzene	**0.52 J**	<0.81	**0.38 J**
Total Xylenes	**2.25 J**	**0.36 J**	**1.32 J**
1,2-Dichloroethane	**0.12 J**	<0.76	<0.62
1,2-Dichloropropane	<0.78	<0.86	<0.71
Naphthalene (TO-15)	<4.4	<4.9	**0.35 J**
Naphthalene (TO-17)	NS	**0.082**	**0.15**
Vinyl Chloride	<0.43	<0.48	<0.39
Methane	**0.00027**	**0.00021**	**0.00025**

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GRAPHIC SCALE (IN FEET)

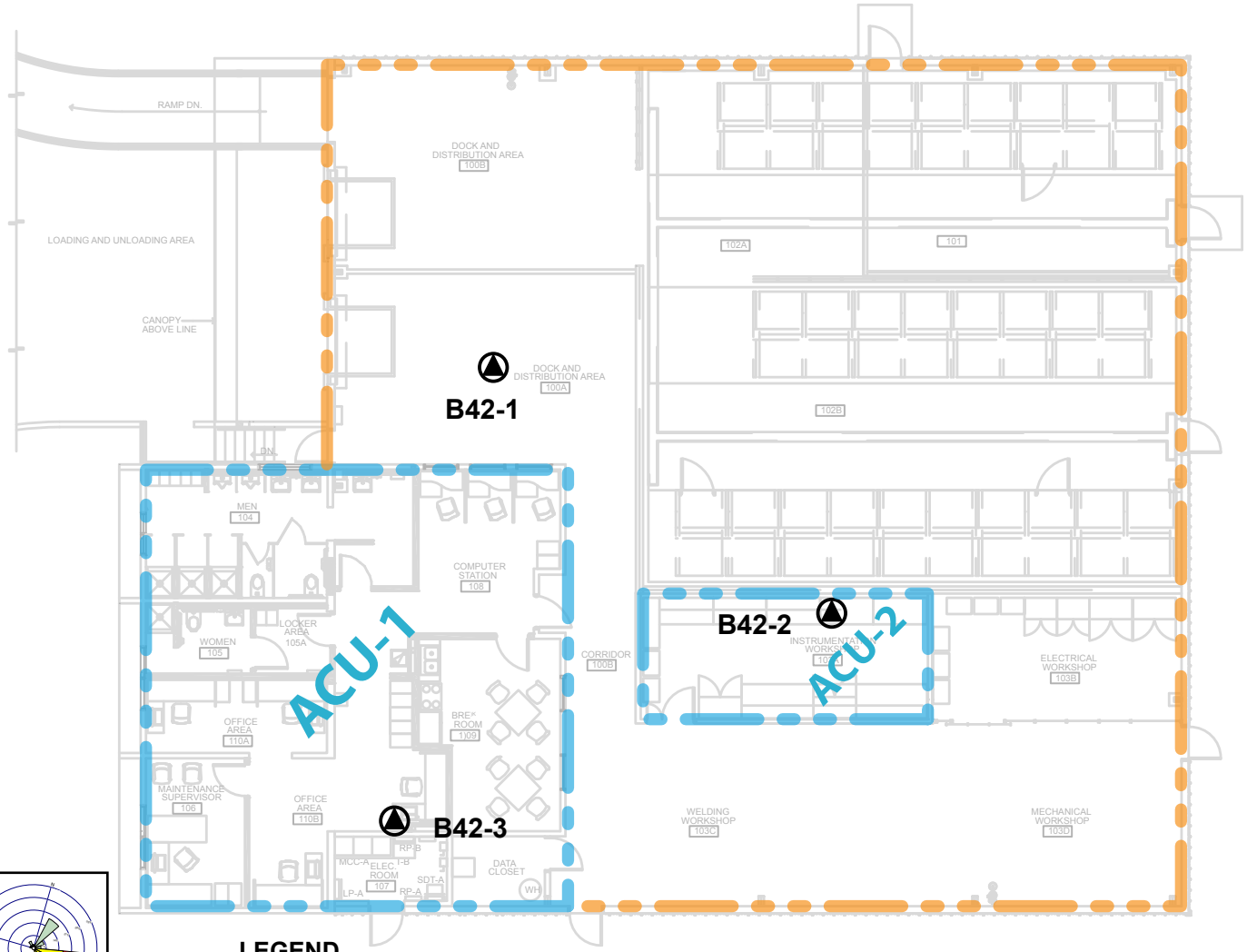
Scale: As Shown

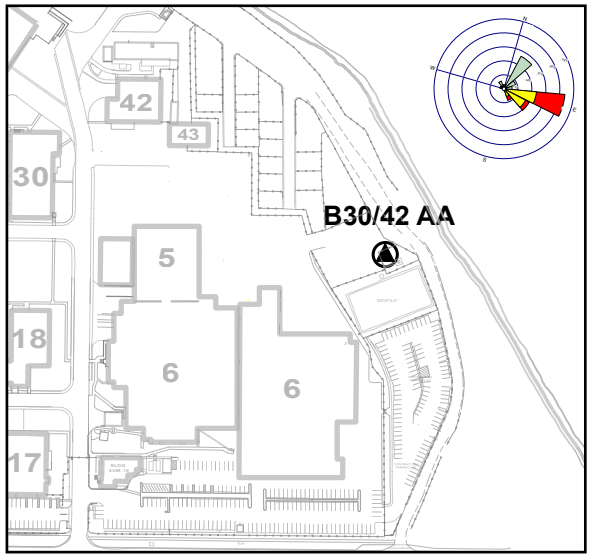
Date: Aug 2016

ANDERSON - MULHOLLAND & ASSOCIATES, INC.
PURCHASE, NEW YORK

Figure 16
Building 30 Indoor Air Sampling Results, ug/m³

Oct. 2015, Jan. 2016, May 2016, July 2016
Bristol-Myers Squibb Manufacturing Company
Humacao, Puerto Rico





LEGEND

Co-Located Sub-Slab/ Indoor Air Sample Location

Area served by Air Conditioning Unit

Area Served by Exhaust Fans

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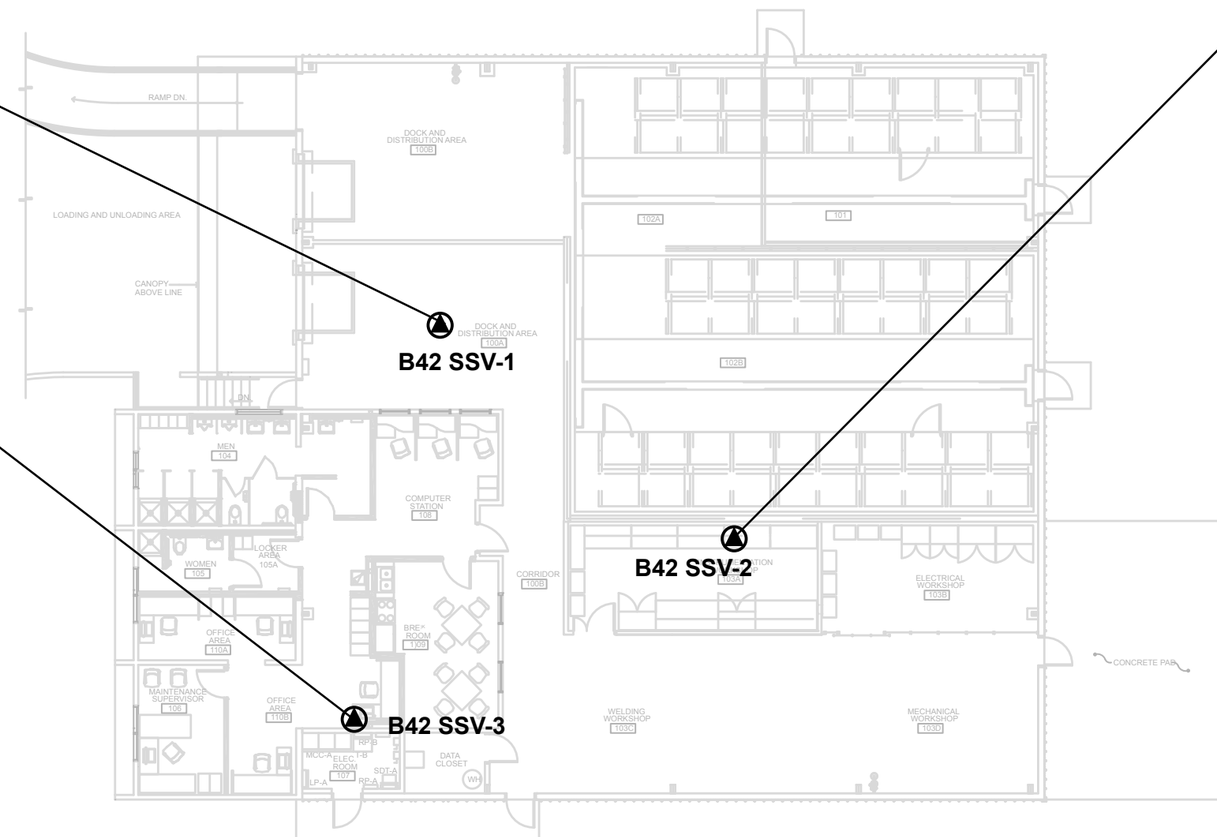
GRAPHIC SCALE (IN FEET)

Scale: As Shown	Date: Jul 2016	**Figure 17** **Building 42 Layout and Sample Locations**
ANDERSON - MULHOLLAND & ASSOCIATES, INC. PURCHASE, NEW YORK		**Oct. 2015 and Jan. 2016** Bristol-Myers Squibb Manufacturing Company Humacao, Puerto Rico

B42 SS-1	Oct-15	Jan-16
Naphthalene (TO-15)	**1.3 J**	<50
Naphthalene (TO-17)	NS	**1.3 J**

B42 SS-2	Oct-15	Jan-16
Naphthalene (TO-15)	**0.48 J**	<12
Naphthalene (TO-17)	NS	**7.5**

B42 SS-3	Oct-15	Jan-16
Naphthalene (TO-15)	**0.36 J**	<12
Naphthalene (TO-17)	NS	<2.5



LEGEND

Co-Located Sub-Slab Soil Gas/ Indoor Air Sample Location

Notes:
Detected results are shown in bold.
Results that exceed a May 2016 Industrial Sub-Slab Soil Gas Screening Level are shown shaded.
NS: Sample not analyzed by TO-17.
J: Indicates an estimated value.

Compound	Industrial Sub-Slab Soil Gas Screening Level
Naphthalene	12

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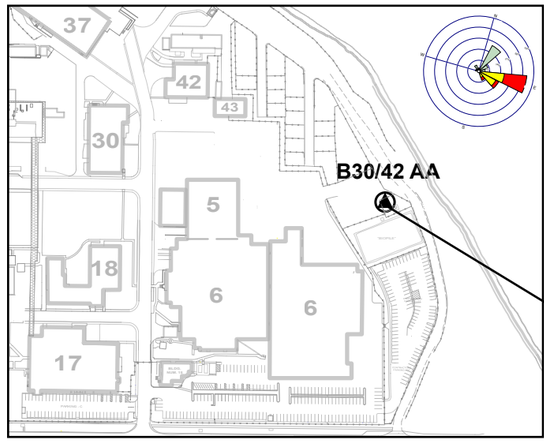
GRAPHIC SCALE (IN FEET)

Scale: As Shown	Date: Aug 2016
ANDERSON - MULHOLLAND & ASSOCIATES, INC. PURCHASE, NEW YORK	

Figure 18
Building 42 Sub-Slab Sampling Results, ug/m³
Oct. 2015 and Jan. 2016
Bristol-Myers Squibb Manufacturing Company
Humacao, Puerto Rico

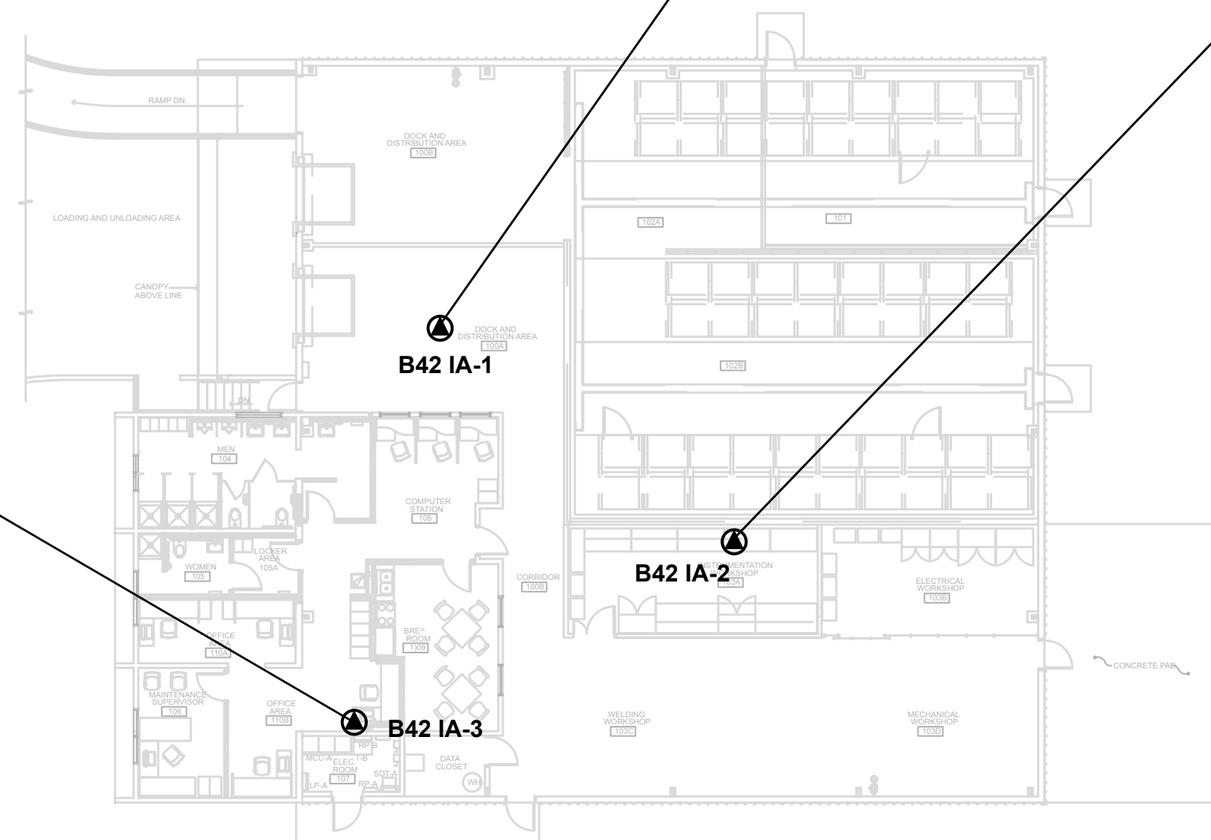


B30/42 AA	Oct-15	Jan-16
Naphthalene (TO-15)	<4.9	<5
Naphthalene (TO-17)	NS	<0.068

B42 IA-1	Oct-15	Jan-16
Naphthalene (TO-15)	**1.3 J**	**0.59 J**
Naphthalene (TO-17)	NS	**0.12**

B42 IA-2	Oct-15	Jan-16
Naphthalene (TO-15)	<4.1	**0.19 J**
Naphthalene (TO-17)	NS	**0.1**

B42 IA-3	Oct-15	Jan-16
Naphthalene (TO-15)	<3.8	<4.5
Naphthalene (TO-17)	NS	**0.091**



LEGEND

Co-Located Sub-Slab Soil Gas/ Indoor Air Sample Location

Notes:
Detected results are shown in bold.
Results that exceed a May 2016 Industrial Indoor Air Screening Level are shown shaded.
NS: Sample not analyzed by TO-17.
J: Indicates an estimated value.

Compound	Industrial Indoor Air Screening Level
Naphthalene	0.36

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GRAPHIC SCALE (IN FEET)

Scale: As Shown	Date: Aug 2016
ANDERSON - MULHOLLAND & ASSOCIATES, INC. PURCHASE, NEW YORK	

Figure 19
Building 42 Indoor Air Sampling Results, ug/m³
Oct. 2015 and Jan. 2016
Bristol-Myers Squibb Manufacturing Company
Humacao, Puerto Rico