

Client: NIOSH
 C/O: Dr. Ju-Hyeong Park
 Re: Bennington, VT Study

Date of Submittal: 07-05-2007
 Date of Receipt: 07-05-2007
 Date of Report: 10-22-2007

SURFACE CULTURE BACTERIA REPORT

Location:	12		15	
Comments (see below)	None		None	
Sample type	Dust sample		Dust sample	
Lab ID-Version‡:	1347015-1		1347082-1	
Bacterial Types	sample ct.*	cfu**/unit	sample ct.*	cfu**/unit
Broad spectrum	2,390	100,000	510	20,000
Gram negative, coliform†	< 10	< 430	< 10	< 400
Gram negative, non-fermentative	< 10	< 430	< 10	< 400
Gram positive	950	41,000	50	2,000
Dilutions††	1:10, 1:100, 1:1,000, 1:10,000, 1:100,000, 1:1,000,000 & 1:10,000,000		1:10, 1:100, 1:1,000, 1:10,000, 1:100,000, 1:1,000,000 & 1:10,000,000	
Media used	CNA/MacConkey/TSAw/blood		CNA/MacConkey/TSAw/blood	
Sample size††	0.023		0.025	
Unit	1 gram		1 gram	

Comments:

When detected, the minimum detection and reporting limit is a colony count of 1 at the lowest dilution plated.
 * Sample count represents the number of colonies that would have grown if the entire selected sample were plated out.

** cfu = colony forming units

†† Sensitivity depends largely upon the dilutions used and the sample size (weight, area, etc.) of the sample. For example, if one colony grew from a 1:10 dilution, then it would represent 10 colonies. If the sample weight were 0.025 grams, this would then represent 400 cfu/gram (10 cfu / 0.025 grams = 400cfu/gram).

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SURFACE CULTURE BACTERIA REPORT

Location:	16		19	
Comments (see below)	None		None	
Sample type	Dust sample		Dust sample	
Lab ID-Version‡:	1347081-1		1347080-1	
Bacterial Types	sample ct.*	cfu**/unit	sample ct.*	cfu**/unit
Broad spectrum	2,900	100,000	430	13,000
Gram negative, coliform†	< 10	< 340	< 10	< 310
Gram negative, non-fermentative	10	340	< 10	< 310
Gram positive	330	11,000	50	1,600
Dilutions††	1:10, 1:100, 1:1,000, 1:10,000, 1:100,000, 1:1,000,000 & 1:10,000,000		1:10, 1:100, 1:1,000, 1:10,000, 1:100,000, 1:1,000,000 & 1:10,000,000	
Media used	CNA/MacConkey/TSAw/blood		CNA/MacConkey/TSAw/blood	
Sample size††	0.029		0.032	
Unit	1 gram		1 gram	

Comments:

When detected, the minimum detection and reporting limit is a colony count of 1 at the lowest dilution plated.
 * Sample count represents the number of colonies that would have grown if the entire selected sample were plated out.

** cfu = colony forming units

†† Sensitivity depends largely upon the dilutions used and the sample size (weight, area, etc.) of the sample. For example, if one colony grew from a 1:10 dilution, then it would represent 10 colonies. If the sample weight were 0.025 grams, this would then represent 400 cfu/gram (10 cfu / 0.025 grams = 400cfu/gram).

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SURFACE CULTURE BACTERIA REPORT

Location:	20		21	
Comments (see below)	None		None	
Sample type	Dust sample		Dust sample	
Lab ID-Version‡:	1347079-1		1347078-1	
Bacterial Types	sample ct.*	cfu**/unit	sample ct.*	cfu**/unit
Broad spectrum	150,000	5,800,000	4,500	190,000
Gram negative, coliform†	< 10	< 380	< 10	< 420
Gram negative, non-fermentative	< 10	< 380	< 10	< 420
Gram positive	130	5,000	1,200	50,000
Dilutions††	1:10, 1:100, 1:1,000, 1:10,000, 1:100,000, 1:1,000,000 & 1:10,000,000		1:10, 1:100, 1:1,000, 1:10,000, 1:100,000, 1:1,000,000 & 1:10,000,000	
Media used	CNA/MacConkey/TSAw/blood		CNA/MacConkey/TSAw/blood	
Sample size††	0.026		0.024	
Unit	1 gram		1 gram	

Comments:

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** cfu = colony forming units

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SURFACE CULTURE BACTERIA REPORT

Location:	23		24	
Comments (see below)	None		A	
Sample type	Dust sample		Dust sample	
Lab ID-Version‡:	1347077-1		1347076-1	
Bacterial Types	sample ct.*	cfu**/unit	sample ct.*	cfu**/unit
Broad spectrum	520	21,000	150	5,600
Gram negative, coliform†	< 10	< 400	< 10	< 370
Gram negative, non-fermentative	< 10	< 400	< 10	< 370
Gram positive	120	4,800	< 10	< 370
Dilutions††	1:10, 1:100, 1:1,000, 1:10,000, 1:100,000, 1:1,000,000 & 1:10,000,000		1:10, 1:100, 1:1,000, 1:10,000, 1:100,000, 1:1,000,000 & 1:10,000,000	
Media used	CNA/MacConkey/TSAw/blood		CNA/MacConkey/TSAw/blood	
Sample size††	0.025		0.027	
Unit	1 gram		1 gram	

Comments: A) Sample was overgrown with fungi which may have reduced or eliminated the presence of some bacteria due to competition.

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** cfu = colony forming units

†† Sensitivity depends largely upon the dilutions used and the sample size (weight, area, etc.) of the sample. For example, if one colony grew from a 1:10 dilution, then it would represent 10 colonies. If the sample weight were 0.025 grams, this would then represent 400 cfu/gram (10 cfu / 0.025 grams = 400cfu/gram).

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SURFACE CULTURE BACTERIA REPORT

Location:	25		36	
Comments (see below)	None		A	
Sample type	Dust sample		Dust sample	
Lab ID-Version‡:	1347075-1		1347074-1	
Bacterial Types	sample ct.*	cfu**/unit	sample ct.*	cfu**/unit
Broad spectrum	100,000	3,200,000	3,700	120,000
Gram negative, coliform†	< 10	< 320	< 10	< 310
Gram negative, non-fermentative	< 10	< 320	< 10	< 310
Gram positive	93,000	3,000,000	< 10	< 310
Dilutions††	1:10, 1:100, 1:1,000, 1:10,000, 1:100,000, 1:1,000,000 & 1:10,000,000		1:10, 1:100, 1:1,000, 1:10,000, 1:100,000, 1:1,000,000 & 1:10,000,000	
Media used	CNA/MacConkey/TSAw/blood		CNA/MacConkey/TSAw/blood	
Sample size††	0.031		0.032	
Unit	1 gram		1 gram	

Comments: A) Sample was overgrown with fungi which may have reduced or eliminated the presence of some bacteria due to competition.

When detected, the minimum detection and reporting limit is a colony count of 1 at the lowest dilution plated.
 * Sample count represents the number of colonies that would have grown if the entire selected sample were plated out.

** cfu = colony forming units

†† Sensitivity depends largely upon the dilutions used and the sample size (weight, area, etc.) of the sample. For example, if one colony grew from a 1:10 dilution, then it would represent 10 colonies. If the sample weight were 0.025 grams, this would then represent 400 cfu/gram (10 cfu / 0.025 grams = 400cfu/gram).

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SURFACE CULTURE BACTERIA REPORT

Location:	37		38	
Comments (see below)	None		None	
Sample type	Dust sample		Dust sample	
Lab ID-Version‡:	1347073-1		1347072-1	
Bacterial Types	sample ct.*	cfu**/unit	sample ct.*	cfu**/unit
Broad spectrum	2,000	67,000	10,000	330,000
Gram negative, coliform†	< 10	< 330	< 10	< 330
Gram negative, non-fermentative	30	1,000	< 10	< 330
Gram positive	290	9,700	700	23,000
Dilutions††	1:10, 1:100, 1:1,000, 1:10,000, 1:100,000, 1:1,000,000 & 1:10,000,000		1:10, 1:100, 1:1,000, 1:10,000, 1:100,000, 1:1,000,000 & 1:10,000,000	
Media used	CNA/MacConkey/TSAw/blood		CNA/MacConkey/TSAw/blood	
Sample size††	0.03		0.03	
Unit	1 gram		1 gram	

Comments:

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** cfu = colony forming units

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SURFACE CULTURE BACTERIA REPORT

Location:	42		44	
Comments (see below)	A		None	
Sample type	Dust sample		Dust sample	
Lab ID-Version‡:	1347071-1		1347070-1	
Bacterial Types	sample ct.*	cfu**/unit	sample ct.*	cfu**/unit
Broad spectrum	720	14,000	7,000	300,000
Gram negative, coliform†	< 10	< 200	< 10	< 430
Gram negative, non-fermentative	< 10	< 200	< 10	< 430
Gram positive	< 10	< 200	300	13,000
Dilutions††	1:10, 1:100, 1:1,000, 1:10,000, 1:100,000, 1:1,000,000 & 1:10,000,000		1:10, 1:100, 1:1,000, 1:10,000, 1:100,000, 1:1,000,000 & 1:10,000,000	
Media used	CNA/MacConkey/TSAw/blood		CNA/MacConkey/TSAw/blood	
Sample size††	0.05		0.023	
Unit	1 gram		1 gram	

Comments: A) Sample was overgrown with fungi which may have reduced or eliminated the presence of some bacteria due to competition.

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* Sample count represents the number of colonies that would have grown if the entire selected sample were plated out.

** cfu = colony forming units

†† Sensitivity depends largely upon the dilutions used and the sample size (weight, area, etc.) of the sample. For example, if one colony grew from a 1:10 dilution, then it would represent 10 colonies. If the sample weight were 0.025 grams, this would then represent 400 cfu/gram (10 cfu / 0.025 grams = 400cfu/gram).

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SURFACE CULTURE BACTERIA REPORT

Location:	45		46	
Comments (see below)	None		None	
Sample type	Dust sample		Dust sample	
Lab ID-Version‡:	1347069-1		1347068-1	
Bacterial Types	sample ct.*	cfu**/unit	sample ct.*	cfu**/unit
Broad spectrum	20,000	950,000	3,500	160,000
Gram negative, coliform†	< 10	< 480	< 10	< 450
Gram negative, non-fermentative	< 10	< 480	< 10	< 450
Gram positive	6,000	290,000	190	8,600
Dilutions††	1:10, 1:100, 1:1,000, 1:10,000, 1:100,000, 1:1,000,000 & 1:10,000,000		1:10, 1:100, 1:1,000, 1:10,000, 1:100,000, 1:1,000,000 & 1:10,000,000	
Media used	CNA/MacConkey/TSAw/blood		CNA/MacConkey/TSAw/blood	
Sample size††	0.021		0.022	
Unit	1 gram		1 gram	

Comments:

When detected, the minimum detection and reporting limit is a colony count of 1 at the lowest dilution plated.
 * Sample count represents the number of colonies that would have grown if the entire selected sample were plated out.

** cfu = colony forming units

†† Sensitivity depends largely upon the dilutions used and the sample size (weight, area, etc.) of the sample. For example, if one colony grew from a 1:10 dilution, then it would represent 10 colonies. If the sample weight were 0.025 grams, this would then represent 400 cfu/gram (10 cfu / 0.025 grams = 400cfu/gram).

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SURFACE CULTURE BACTERIA REPORT

Location:	49		50	
Comments (see below)	A		A	
Sample type	Dust sample		Dust sample	
Lab ID-Version‡:	1347067-1		1347066-1	
Bacterial Types	sample ct.*	cfu**/unit	sample ct.*	cfu**/unit
Broad spectrum	120	4,300	3,000	100,000
Gram negative, coliform†	< 10	< 360	< 10	< 340
Gram negative, non-fermentative	< 10	< 360	< 10	< 340
Gram positive	< 10	< 360	20	690
Dilutions††	1:10, 1:100, 1:1,000, 1:10,000, 1:100,000, 1:1,000,000 & 1:10,000,000		1:10, 1:100, 1:1,000, 1:10,000, 1:100,000, 1:1,000,000 & 1:10,000,000	
Media used	CNA/MacConkey/TSAw/blood		CNA/MacConkey/TSAw/blood	
Sample size††	0.028		0.029	
Unit	1 gram		1 gram	

Comments: A) Sample was overgrown with fungi which may have reduced or eliminated the presence of some bacteria due to competition.

When detected, the minimum detection and reporting limit is a colony count of 1 at the lowest dilution plated.

* Sample count represents the number of colonies that would have grown if the entire selected sample were plated out.

** cfu = colony forming units

†† Sensitivity depends largely upon the dilutions used and the sample size (weight, area, etc.) of the sample. For example, if one colony grew from a 1:10 dilution, then it would represent 10 colonies. If the sample weight were 0.025 grams, this would then represent 400 cfu/gram (10 cfu / 0.025 grams = 400cfu/gram).

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SURFACE CULTURE BACTERIA REPORT

Location:	51		52	
Comments (see below)	None		None	
Sample type	Dust sample		Dust sample	
Lab ID-Version‡:	1347065-1		1347064-1	
Bacterial Types	sample ct.*	cfu**/unit	sample ct.*	cfu**/unit
Broad spectrum	3,000	110,000	50,000	1,500,000
Gram negative, coliform†	< 10	< 370	< 10	< 290
Gram negative, non-fermentative	< 10	< 370	4,300	130,000
Gram positive	< 10	< 370	900	26,000
Dilutions††	1:10, 1:100, 1:1,000, 1:10,000, 1:100,000, 1:1,000,000 & 1:10,000,000		1:10, 1:100, 1:1,000, 1:10,000, 1:100,000, 1:1,000,000 & 1:10,000,000	
Media used	CNA/MacConkey/TSAw/blood		CNA/MacConkey/TSAw/blood	
Sample size††	0.027		0.034	
Unit	1 gram		1 gram	

Comments:

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 * Sample count represents the number of colonies that would have grown if the entire selected sample were plated out.

** cfu = colony forming units

†† Sensitivity depends largely upon the dilutions used and the sample size (weight, area, etc.) of the sample. For example, if one colony grew from a 1:10 dilution, then it would represent 10 colonies. If the sample weight were 0.025 grams, this would then represent 400 cfu/gram (10 cfu / 0.025 grams = 400cfu/gram).

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SURFACE CULTURE BACTERIA REPORT

Location:	53		54	
Comments (see below)	None		None	
Sample type	Dust sample		Dust sample	
Lab ID-Version‡:	1347063-1		1347062-1	
Bacterial Types	sample ct.*	cfu**/unit	sample ct.*	cfu**/unit
Broad spectrum	1,900	90,000	2,000	71,000
Gram negative, coliform†	< 10	< 480	< 10	< 360
Gram negative, non-fermentative	10	480	< 10	< 360
Gram positive	200	9,500	1,600	57,000
Dilutions††	1:10, 1:100, 1:1,000, 1:10,000, 1:100,000, 1:1,000,000 & 1:10,000,000		1:10, 1:100, 1:1,000, 1:10,000, 1:100,000, 1:1,000,000 & 1:10,000,000	
Media used	CNA/MacConkey/TSAw/blood		CNA/MacConkey/TSAw/blood	
Sample size††	0.021		0.028	
Unit	1 gram		1 gram	

Comments:

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 * Sample count represents the number of colonies that would have grown if the entire selected sample were plated out.

** cfu = colony forming units

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Location:	55		57	
Comments (see below)	None		None	
Sample type	Dust sample		Dust sample	
Lab ID-Version‡:	1347061-1		1347060-1	
Bacterial Types	sample ct.*	cfu**/unit	sample ct.*	cfu**/unit
Broad spectrum	7,900	240,000	5,000	220,000
Gram negative, coliform†	< 10	< 300	< 10	< 430
Gram negative, non-fermentative	< 10	< 300	10	430
Gram positive	1,600	48,000	1,900	83,000
Dilutions††	1:10, 1:100, 1:1,000, 1:10,000, 1:100,000, 1:1,000,000 & 1:10,000,000		1:10, 1:100, 1:1,000, 1:10,000, 1:100,000, 1:1,000,000 & 1:10,000,000	
Media used	CNA/MacConkey/TSAw/blood		CNA/MacConkey/TSAw/blood	
Sample size††	0.033		0.023	
Unit	1 gram		1 gram	

Comments:

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** cfu = colony forming units

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Date of Submittal: 07-05-2007
Date of Receipt: 07-05-2007
Date of Report: 10-22-2007

SURFACE CULTURE BACTERIA REPORT

Location:	58		59	
Comments (see below)	None		None	
Sample type	Dust sample		Dust sample	
Lab ID-Version‡:	1347059-1		1347058-1	
Bacterial Types	sample ct.*	cfu**/unit	sample ct.*	cfu**/unit
Broad spectrum	4,000	120,000	24,000	630,000
Gram negative, coliform†	< 10	< 290	< 10	< 260
Gram negative, non-fermentative	< 10	< 290	< 10	< 260
Gram positive	30	880	40	1,100
Dilutions††	1:10, 1:100, 1:1,000, 1:10,000, 1:100,000, 1:1,000,000 & 1:10,000,000		1:10, 1:100, 1:1,000, 1:10,000, 1:100,000, 1:1,000,000 & 1:10,000,000	
Media used	CNA/MacConkey/TSAw/blood		CNA/MacConkey/TSAw/blood	
Sample size††	0.034		0.038	
Unit	1 gram		1 gram	

Comments:

When detected, the minimum detection and reporting limit is a colony count of 1 at the lowest dilution plated.
* Sample count represents the number of colonies that would have grown if the entire selected sample were plated out.

** cfu = colony forming units

†† Sensitivity depends largely upon the dilutions used and the sample size (weight, area, etc.) of the sample. For example, if one colony grew from a 1:10 dilution, then it would represent 10 colonies. If the sample weight were 0.025 grams, this would then represent 400 cfu/gram (10 cfu / 0.025 grams = 400cfu/gram).

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Date of Submittal: 07-05-2007
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 Date of Report: 10-22-2007

SURFACE CULTURE BACTERIA REPORT

Location:	60		64	
Comments (see below)	None		None	
Sample type	Dust sample		Dust sample	
Lab ID-Version‡:	1347057-1		1347056-1	
Bacterial Types	sample ct.*	cfu**/unit	sample ct.*	cfu**/unit
Broad spectrum	900,000	30,000,000	27,000	710,000
Gram negative, coliform†	< 10	< 330	10	260
Gram negative, non-fermentative	< 10	< 330	< 10	< 260
Gram positive	700,000	23,000,000	21,000	550,000
Dilutions††	1:10, 1:100, 1:1,000, 1:10,000, 1:100,000, 1:1,000,000 & 1:10,000,000		1:10, 1:100, 1:1,000, 1:10,000, 1:100,000, 1:1,000,000 & 1:10,000,000	
Media used	CNA/MacConkey/TSAw/blood		CNA/MacConkey/TSAw/blood	
Sample size††	0.03		0.038	
Unit	1 gram		1 gram	

Comments:

When detected, the minimum detection and reporting limit is a colony count of 1 at the lowest dilution plated.
 * Sample count represents the number of colonies that would have grown if the entire selected sample were plated out.

** cfu = colony forming units

†† Sensitivity depends largely upon the dilutions used and the sample size (weight, area, etc.) of the sample. For example, if one colony grew from a 1:10 dilution, then it would represent 10 colonies. If the sample weight were 0.025 grams, this would then represent 400 cfu/gram (10 cfu / 0.025 grams = 400cfu/gram).

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SURFACE CULTURE BACTERIA REPORT

Location:	65		66	
Comments (see below)	A		A	
Sample type	Dust sample		Dust sample	
Lab ID-Version‡:	1347055-1		1347054-1	
Bacterial Types	sample ct.*	cfu**/unit	sample ct.*	cfu**/unit
Broad spectrum	2,000	87,000	6,000	210,000
Gram negative, coliform†	< 10	< 430	40	1,400
Gram negative, non-fermentative	< 10	< 430	90	3,100
Gram positive	< 10	< 430	< 10	< 340
Dilutions††	1:10, 1:100, 1:1,000, 1:10,000, 1:100,000, 1:1,000,000 & 1:10,000,000		1:10, 1:100, 1:1,000, 1:10,000, 1:100,000, 1:1,000,000 & 1:10,000,000	
Media used	CNA/MacConkey/TSAw/blood		CNA/MacConkey/TSAw/blood	
Sample size††	0.023		0.029	
Unit	1 gram		1 gram	

Comments: A) Sample was overgrown with fungi which may have reduced or eliminated the presence of some bacteria due to competition.

When detected, the minimum detection and reporting limit is a colony count of 1 at the lowest dilution plated.
 * Sample count represents the number of colonies that would have grown if the entire selected sample were plated out.

** cfu = colony forming units

†† Sensitivity depends largely upon the dilutions used and the sample size (weight, area, etc.) of the sample. For example, if one colony grew from a 1:10 dilution, then it would represent 10 colonies. If the sample weight were 0.025 grams, this would then represent 400 cfu/gram (10 cfu / 0.025 grams = 400cfu/gram).

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SURFACE CULTURE BACTERIA REPORT

Location:	68		76	
Comments (see below)	A		A	
Sample type	Dust sample		Dust sample	
Lab ID-Version‡:	1347053-1		1347052-1	
Bacterial Types	sample ct.*	cfu**/unit	sample ct.*	cfu**/unit
Broad spectrum	3,000	68,000	400	9,500
Gram negative, coliform†	< 10	< 230	< 10	< 240
Gram negative, non-fermentative	10	230	< 10	< 240
Gram positive	< 10	< 230	< 10	< 240
Dilutions††	1:10, 1:100, 1:1,000, 1:10,000, 1:100,000, 1:1,000,000 & 1:10,000,000		1:10, 1:100, 1:1,000, 1:10,000, 1:100,000, 1:1,000,000 & 1:10,000,000	
Media used	CNA/MacConkey/TSAw/blood		CNA/MacConkey/TSAw/blood	
Sample size††	0.044		0.042	
Unit	1 gram		1 gram	

Comments: A) Sample was overgrown with fungi which may have reduced or eliminated the presence of some bacteria due to competition.

When detected, the minimum detection and reporting limit is a colony count of 1 at the lowest dilution plated.
 * Sample count represents the number of colonies that would have grown if the entire selected sample were plated out.

** cfu = colony forming units

†† Sensitivity depends largely upon the dilutions used and the sample size (weight, area, etc.) of the sample. For example, if one colony grew from a 1:10 dilution, then it would represent 10 colonies. If the sample weight were 0.025 grams, this would then represent 400 cfu/gram (10 cfu / 0.025 grams = 400cfu/gram).

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SURFACE CULTURE BACTERIA REPORT

Location:	77		79	
Comments (see below)	A		A	
Sample type	Dust sample		Dust sample	
Lab ID-Version‡:	1347051-1		1347050-1	
Bacterial Types	sample ct.*	cfu**/unit	sample ct.*	cfu**/unit
Broad spectrum	9,000	270,000	1,300	57,000
Gram negative, coliform†	30	910	< 10	< 430
Gram negative, non-fermentative	10	300	10	430
Gram positive	1,300	39,000	10	430
Dilutions††	1:10, 1:100, 1:1,000, 1:10,000, 1:100,000, 1:1,000,000 & 1:10,000,000		1:10, 1:100, 1:1,000, 1:10,000, 1:100,000, 1:1,000,000 & 1:10,000,000	
Media used	CNA/MacConkey/TSAw/blood		CNA/MacConkey/TSAw/blood	
Sample size††	0.033		0.023	
Unit	1 gram		1 gram	

Comments: A) Sample was overgrown with fungi which may have reduced or eliminated the presence of some bacteria due to competition.

When detected, the minimum detection and reporting limit is a colony count of 1 at the lowest dilution plated.

* Sample count represents the number of colonies that would have grown if the entire selected sample were plated out.

** cfu = colony forming units

†† Sensitivity depends largely upon the dilutions used and the sample size (weight, area, etc.) of the sample. For example, if one colony grew from a 1:10 dilution, then it would represent 10 colonies. If the sample weight were 0.025 grams, this would then represent 400 cfu/gram (10 cfu / 0.025 grams = 400cfu/gram).

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SURFACE CULTURE BACTERIA REPORT

Location:	84		87	
Comments (see below)	None		None	
Sample type	Dust sample		Dust sample	
Lab ID-Version‡:	1347049-1		1347048-1	
Bacterial Types	sample ct.*	cfu**/unit	sample ct.*	cfu**/unit
Broad spectrum	107,000	2,400,000	5,000	120,000
Gram negative, coliform†	100	2,300	< 10	< 240
Gram negative, non-fermentative	10	230	< 10	< 240
Gram positive	90,000	2,000,000	< 10	< 240
Dilutions††	1:10, 1:100, 1:1,000, 1:10,000, 1:100,000, 1:1,000,000 & 1:10,000,000		1:10, 1:100, 1:1,000, 1:10,000, 1:100,000, 1:1,000,000 & 1:10,000,000	
Media used	CNA/MacConkey/TSAw/blood		CNA/MacConkey/TSAw/blood	
Sample size††	0.044		0.042	
Unit	1 gram		1 gram	

Comments:

When detected, the minimum detection and reporting limit is a colony count of 1 at the lowest dilution plated.
 * Sample count represents the number of colonies that would have grown if the entire selected sample were plated out.

** cfu = colony forming units

†† Sensitivity depends largely upon the dilutions used and the sample size (weight, area, etc.) of the sample. For example, if one colony grew from a 1:10 dilution, then it would represent 10 colonies. If the sample weight were 0.025 grams, this would then represent 400 cfu/gram (10 cfu /0.025 grams = 400cfu/gram).

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SURFACE CULTURE BACTERIA REPORT

Location:	88		89	
Comments (see below)	None		None	
Sample type	Dust sample		Dust sample	
Lab ID-Version‡:	1347047-1		1347046-1	
Bacterial Types	sample ct.*	cfu**/unit	sample ct.*	cfu**/unit
Broad spectrum	21,000	550,000	20,000	610,000
Gram negative, coliform†	< 10	< 260	< 10	< 300
Gram negative, non-fermentative	< 10	< 260	< 10	< 300
Gram positive	1,000	26,000	400	12,000
Dilutions††	1:10, 1:100, 1:1,000, 1:10,000, 1:100,000, 1:1,000,000 & 1:10,000,000		1:10, 1:100, 1:1,000, 1:10,000, 1:100,000, 1:1,000,000 & 1:10,000,000	
Media used	CNA/MacConkey/TSAw/blood		CNA/MacConkey/TSAw/blood	
Sample size††	0.038		0.033	
Unit	1 gram		1 gram	

Comments:

When detected, the minimum detection and reporting limit is a colony count of 1 at the lowest dilution plated.
 * Sample count represents the number of colonies that would have grown if the entire selected sample were plated out.

** cfu = colony forming units

†† Sensitivity depends largely upon the dilutions used and the sample size (weight, area, etc.) of the sample. For example, if one colony grew from a 1:10 dilution, then it would represent 10 colonies. If the sample weight were 0.025 grams, this would then represent 400 cfu/gram (10 cfu / 0.025 grams = 400cfu/gram).

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SURFACE CULTURE BACTERIA REPORT

Location:	90		91	
Comments (see below)	A		A	
Sample type	Dust sample		Dust sample	
Lab ID-Version‡:	1347045-1		1347044-1	
Bacterial Types	sample ct.*	cfu**/unit	sample ct.*	cfu**/unit
Broad spectrum	9,000	310,000	7,000	170,000
Gram negative, coliform†	< 10	< 340	< 10	< 240
Gram negative, non-fermentative	< 10	< 340	< 10	< 240
Gram positive	< 10	< 340	2,000	48,000
Dilutions††	1:10, 1:100, 1:1,000, 1:10,000, 1:100,000, 1:1,000,000 & 1:10,000,000		1:10, 1:100, 1:1,000, 1:10,000, 1:100,000, 1:1,000,000 & 1:10,000,000	
Media used	CNA/MacConkey/TSaw/blood		CNA/MacConkey/TSaw/blood	
Sample size††	0.029		0.042	
Unit	1 gram		1 gram	

Comments: A) Sample was overgrown with fungi which may have reduced or eliminated the presence of some bacteria due to competition.

When detected, the minimum detection and reporting limit is a colony count of 1 at the lowest dilution plated.

* Sample count represents the number of colonies that would have grown if the entire selected sample were plated out.

** cfu = colony forming units

†† Sensitivity depends largely upon the dilutions used and the sample size (weight, area, etc.) of the sample. For example, if one colony grew from a 1:10 dilution, then it would represent 10 colonies. If the sample weight were 0.025 grams, this would then represent 400 cfu/gram (10 cfu / 0.025 grams = 400cfu/gram).

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SURFACE CULTURE BACTERIA REPORT

Location:	92		93	
Comments (see below)	A		None	
Sample type	Dust sample		Dust sample	
Lab ID-Version‡:	1347043-1		1347042-1	
Bacterial Types	sample ct.*	cfu**/unit	sample ct.*	cfu**/unit
Broad spectrum	6,000	130,000	30,000	1,200,000
Gram negative, coliform†	< 10	< 220	< 10	< 400
Gram negative, non-fermentative	< 10	< 220	< 10	< 400
Gram positive	450	10,000	500	20,000
Dilutions††	1:10, 1:100, 1:1,000, 1:10,000, 1:100,000, 1:1,000,000 & 1:10,000,000		1:10, 1:100, 1:1,000, 1:10,000, 1:100,000, 1:1,000,000 & 1:10,000,000	
Media used	CNA/MacConkey/TSAw/blood		CNA/MacConkey/TSAw/blood	
Sample size††	0.045		0.025	
Unit	1 gram		1 gram	

Comments: A) Sample was overgrown with fungi which may have reduced or eliminated the presence of some bacteria due to competition.

When detected, the minimum detection and reporting limit is a colony count of 1 at the lowest dilution plated.

* Sample count represents the number of colonies that would have grown if the entire selected sample were plated out.

** cfu = colony forming units

†† Sensitivity depends largely upon the dilutions used and the sample size (weight, area, etc.) of the sample. For example, if one colony grew from a 1:10 dilution, then it would represent 10 colonies. If the sample weight were 0.025 grams, this would then represent 400 cfu/gram (10 cfu / 0.025 grams = 400cfu/gram).

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SURFACE CULTURE BACTERIA REPORT

Location:	94		96	
Comments (see below)	None		None	
Sample type	Dust sample		Dust sample	
Lab ID-Version‡:	1347041-1		1347040-1	
Bacterial Types	sample ct.*	cfu**/unit	sample ct.*	cfu**/unit
Broad spectrum	13,000	300,000	6,000	220,000
Gram negative, coliform†	10	230	< 10	< 370
Gram negative, non-fermentative	< 10	< 230	< 10	< 370
Gram positive	1,000	23,000	20	740
Dilutions††	1:10, 1:100, 1:1,000, 1:10,000, 1:100,000, 1:1,000,000 & 1:10,000,000		1:10, 1:100, 1:1,000, 1:10,000, 1:100,000, 1:1,000,000 & 1:10,000,000	
Media used	CNA/MacConkey/TSAw/blood		CNA/MacConkey/TSAw/blood	
Sample size††	0.044		0.027	
Unit	1 gram		1 gram	

Comments:

When detected, the minimum detection and reporting limit is a colony count of 1 at the lowest dilution plated.
 * Sample count represents the number of colonies that would have grown if the entire selected sample were plated out.

** cfu = colony forming units

†† Sensitivity depends largely upon the dilutions used and the sample size (weight, area, etc.) of the sample. For example, if one colony grew from a 1:10 dilution, then it would represent 10 colonies. If the sample weight were 0.025 grams, this would then represent 400 cfu/gram (10 cfu / 0.025 grams = 400cfu/gram).

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SURFACE CULTURE BACTERIA REPORT

Location:	97		98	
Comments (see below)	A		None	
Sample type	Dust sample		Dust sample	
Lab ID-Version‡:	1347039-1		1347038-1	
Bacterial Types	sample ct.*	cfu**/unit	sample ct.*	cfu**/unit
Broad spectrum	4,000	130,000	5,000	230,000
Gram negative, coliform†	< 10	< 320	< 10	< 450
Gram negative, non-fermentative	< 10	< 320	< 10	< 450
Gram positive	20	650	300	14,000
Dilutions††	1:10, 1:100, 1:1,000, 1:10,000, 1:100,000, 1:1,000,000 & 1:10,000,000		1:10, 1:100, 1:1,000, 1:10,000, 1:100,000, 1:1,000,000 & 1:10,000,000	
Media used	CNA/MacConkey/TSAw/blood		CNA/MacConkey/TSAw/blood	
Sample size††	0.031		0.022	
Unit	1 gram		1 gram	

Comments: A) Sample was overgrown with fungi which may have reduced or eliminated the presence of some bacteria due to competition.

When detected, the minimum detection and reporting limit is a colony count of 1 at the lowest dilution plated.

* Sample count represents the number of colonies that would have grown if the entire selected sample were plated out.

** cfu = colony forming units

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SURFACE CULTURE BACTERIA REPORT

Location:	100		111	
Comments (see below)	A		None	
Sample type	Dust sample		Dust sample	
Lab ID-Version‡:	1347037-1		1347036-1	
Bacterial Types	sample ct.*	cfu**/unit	sample ct.*	cfu**/unit
Broad spectrum	3,000	110,000	110,000	3,500,000
Gram negative, coliform†	< 10	< 360	< 10	< 320
Gram negative, non-fermentative	< 10	< 360	< 10	< 320
Gram positive	< 10	< 360	20,000	650,000
Dilutions††	1:10, 1:100, 1:1,000, 1:10,000, 1:100,000, 1:1,000,000 & 1:10,000,000		1:10, 1:100, 1:1,000, 1:10,000, 1:100,000, 1:1,000,000 & 1:10,000,000	
Media used	CNA/MacConkey/TSAw/blood		CNA/MacConkey/TSAw/blood	
Sample size††	0.028		0.031	
Unit	1 gram		1 gram	

Comments: A) Sample was overgrown with fungi which may have reduced or eliminated the presence of some bacteria due to competition.

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** cfu = colony forming units

†† Sensitivity depends largely upon the dilutions used and the sample size (weight, area, etc.) of the sample. For example, if one colony grew from a 1:10 dilution, then it would represent 10 colonies. If the sample weight were 0.025 grams, this would then represent 400 cfu/gram (10 cfu / 0.025 grams = 400cfu/gram).

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Client: NIOSH
 C/O: Dr. Ju-Hyeong Park
 Re: Bennington, VT Study

Date of Submittal: 07-05-2007
 Date of Receipt: 07-05-2007
 Date of Report: 10-22-2007

SURFACE CULTURE BACTERIA REPORT

Location:	112		113	
Comments (see below)	A		None	
Sample type	Dust sample		Dust sample	
Lab ID-Version‡:	1347035-1		1347034-1	
Bacterial Types	sample ct.*	cfu**/unit	sample ct.*	cfu**/unit
Broad spectrum	500	19,000	7,000	320,000
Gram negative, coliform†	< 10	< 380	< 10	< 450
Gram negative, non-fermentative	< 10	< 380	< 10	< 450
Gram positive	< 10	< 380	300	14,000
Dilutions††	1:10, 1:100, 1:1,000, 1:10,000, 1:100,000, 1:1,000,000 & 1:10,000,000		1:10, 1:100, 1:1,000, 1:10,000, 1:100,000, 1:1,000,000 & 1:10,000,000	
Media used	CNA/MacConkey/TSAw/blood		CNA/MacConkey/TSAw/blood	
Sample size††	0.026		0.022	
Unit	1 gram		1 gram	

Comments: A) Sample was overgrown with fungi which may have reduced or eliminated the presence of some bacteria due to competition.

When detected, the minimum detection and reporting limit is a colony count of 1 at the lowest dilution plated.

* Sample count represents the number of colonies that would have grown if the entire selected sample were plated out.

** cfu = colony forming units

†† Sensitivity depends largely upon the dilutions used and the sample size (weight, area, etc.) of the sample. For example, if one colony grew from a 1:10 dilution, then it would represent 10 colonies. If the sample weight were 0.025 grams, this would then represent 400 cfu/gram (10 cfu / 0.025 grams = 400cfu/gram).

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SURFACE CULTURE BACTERIA REPORT

Location:	114		118	
Comments (see below)	None		None	
Sample type	Dust sample		Dust sample	
Lab ID-Version‡:	1347033-1		1347032-1	
Bacterial Types	sample ct.*	cfu**/unit	sample ct.*	cfu**/unit
Broad spectrum	1,400	47,000	4,100	130,000
Gram negative, coliform†	< 10	< 330	< 10	< 320
Gram negative, non-fermentative	< 10	< 330	< 10	< 320
Gram positive	40	1,300	1,000	32,000
Dilutions††	1:10, 1:100, 1:1,000, 1:10,000, 1:100,000, 1:1,000,000 & 1:10,000,000		1:10, 1:100, 1:1,000, 1:10,000, 1:100,000, 1:1,000,000 & 1:10,000,000	
Media used	CNA/MacConkey/TSAw/blood		CNA/MacConkey/TSAw/blood	
Sample size††	0.03		0.031	
Unit	1 gram		1 gram	

Comments:

When detected, the minimum detection and reporting limit is a colony count of 1 at the lowest dilution plated.
 * Sample count represents the number of colonies that would have grown if the entire selected sample were plated out.

** cfu = colony forming units

†† Sensitivity depends largely upon the dilutions used and the sample size (weight, area, etc.) of the sample. For example, if one colony grew from a 1:10 dilution, then it would represent 10 colonies. If the sample weight were 0.025 grams, this would then represent 400 cfu/gram (10 cfu / 0.025 grams = 400cfu/gram).

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SURFACE CULTURE BACTERIA REPORT

Location:	120		121	
Comments (see below)	A		None	
Sample type	Dust sample		Dust sample	
Lab ID-Version‡:	1347031-1		1347030-1	
Bacterial Types	sample ct.*	cfu**/unit	sample ct.*	cfu**/unit
Broad spectrum	190,000	7,900,000	11,000	340,000
Gram negative, coliform†	260	11,000	10	310
Gram negative, non-fermentative	50	2,100	160	5,000
Gram positive	12,000	500,000	9,000	280,000
Dilutions††	1:10, 1:100, 1:1,000, 1:10,000, 1:100,000, 1:1,000,000 & 1:10,000,000		1:10, 1:100, 1:1,000, 1:10,000, 1:100,000, 1:1,000,000 & 1:10,000,000	
Media used	CNA/MacConkey/TSAw/blood		CNA/MacConkey/TSAw/blood	
Sample size††	0.024		0.032	
Unit	1 gram		1 gram	

Comments: A) Sample was overgrown with fungi which may have reduced or eliminated the presence of some bacteria due to competition.

When detected, the minimum detection and reporting limit is a colony count of 1 at the lowest dilution plated.
 * Sample count represents the number of colonies that would have grown if the entire selected sample were plated out.

** cfu = colony forming units

†† Sensitivity depends largely upon the dilutions used and the sample size (weight, area, etc.) of the sample. For example, if one colony grew from a 1:10 dilution, then it would represent 10 colonies. If the sample weight were 0.025 grams, this would then represent 400 cfu/gram (10 cfu / 0.025 grams = 400cfu/gram).

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SURFACE CULTURE BACTERIA REPORT

Location:	122		139	
Comments (see below)	None		None	
Sample type	Dust sample		Dust sample	
Lab ID-Version‡:	1347029-1		1347028-1	
Bacterial Types	sample ct.*	cfu**/unit	sample ct.*	cfu**/unit
Broad spectrum	1,000,000	21,000,000	70,000,000	1,600,000,000
Gram negative, coliform†	< 10	< 210	< 10	< 220
Gram negative, non-fermentative	< 10	< 210	1,200	27,000
Gram positive	40,000	850,000	40,000,000	890,000,000
Dilutions††	1:10, 1:100, 1:1,000, 1:10,000, 1:100,000, 1:1,000,000 & 1:10,000,000		1:10, 1:100, 1:1,000, 1:10,000, 1:100,000, 1:1,000,000 & 1:10,000,000	
Media used	CNA/MacConkey/TSAw/blood		CNA/MacConkey/TSAw/blood	
Sample size††	0.047		0.045	
Unit	1 gram		1 gram	

Comments:

When detected, the minimum detection and reporting limit is a colony count of 1 at the lowest dilution plated.
 * Sample count represents the number of colonies that would have grown if the entire selected sample were plated out.

** cfu = colony forming units

†† Sensitivity depends largely upon the dilutions used and the sample size (weight, area, etc.) of the sample. For example, if one colony grew from a 1:10 dilution, then it would represent 10 colonies. If the sample weight were 0.025 grams, this would then represent 400 cfu/gram (10 cfu / 0.025 grams = 400cfu/gram).

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SURFACE CULTURE BACTERIA REPORT

Location:	140		141	
Comments (see below)	A		None	
Sample type	Dust sample		Dust sample	
Lab ID-Version‡:	1347027-1		1347026-1	
Bacterial Types	sample ct.*	cfu**/unit	sample ct.*	cfu**/unit
Broad spectrum	12,000	410,000	60,000	1,900,000
Gram negative, coliform†	< 10	< 340	< 10	< 320
Gram negative, non-fermentative	1,200	41,000	< 10	< 320
Gram positive	4,000	140,000	20,000	650,000
Dilutions††	1:10, 1:100, 1:1,000, 1:10,000, 1:100,000, 1:1,000,000 & 1:10,000,000		1:10, 1:100, 1:1,000, 1:10,000, 1:100,000, 1:1,000,000 & 1:10,000,000	
Media used	CNA/MacConkey/TSAw/blood		CNA/MacConkey/TSAw/blood	
Sample size††	0.029		0.031	
Unit	1 gram		1 gram	

Comments: A) Sample was overgrown with fungi which may have reduced or eliminated the presence of some bacteria due to competition.

When detected, the minimum detection and reporting limit is a colony count of 1 at the lowest dilution plated.

* Sample count represents the number of colonies that would have grown if the entire selected sample were plated out.

** cfu = colony forming units

†† Sensitivity depends largely upon the dilutions used and the sample size (weight, area, etc.) of the sample. For example, if one colony grew from a 1:10 dilution, then it would represent 10 colonies. If the sample weight were 0.025 grams, this would then represent 400 cfu/gram (10 cfu / 0.025 grams = 400cfu/gram).

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SURFACE CULTURE BACTERIA REPORT

Location:	142		205	
Comments (see below)	None		None	
Sample type	Dust sample		Dust sample	
Lab ID-Version‡:	1347025-1		1347024-1	
Bacterial Types	sample ct.*	cfu**/unit	sample ct.*	cfu**/unit
Broad spectrum	170,000,000	> 2,000,000,000	900	28,000
Gram negative, coliform†	< 10	< 450	< 10	< 310
Gram negative, non-fermentative	132,000	6,000,000	< 10	< 310
Gram positive	30,000,000	1,400,000,000	600	19,000
Dilutions††	1:10, 1:100, 1:1,000, 1:10,000, 1:100,000, 1:1,000,000 & 1:10,000,000		1:10, 1:100, 1:1,000, 1:10,000, 1:100,000, 1:1,000,000 & 1:10,000,000	
Media used	CNA/MacConkey/TSAw/blood		CNA/MacConkey/TSAw/blood	
Sample size††	0.022		0.032	
Unit	1 gram		1 gram	

Comments:

When detected, the minimum detection and reporting limit is a colony count of 1 at the lowest dilution plated.
 * Sample count represents the number of colonies that would have grown if the entire selected sample were plated out.

** cfu = colony forming units

†† Sensitivity depends largely upon the dilutions used and the sample size (weight, area, etc.) of the sample. For example, if one colony grew from a 1:10 dilution, then it would represent 10 colonies. If the sample weight were 0.025 grams, this would then represent 400 cfu/gram (10 cfu / 0.025 grams = 400cfu/gram).

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SURFACE CULTURE BACTERIA REPORT

Location:	206		211	
Comments (see below)	None		None	
Sample type	Dust sample		Dust sample	
Lab ID-Version‡:	1347023-1		1347022-1	
Bacterial Types	sample ct.*	cfu**/unit	sample ct.*	cfu**/unit
Broad spectrum	2,400	83,000	8,000	270,000
Gram negative, coliform†	< 10	< 340	< 10	< 330
Gram negative, non-fermentative	< 10	< 340	10	330
Gram positive	300	10,000	1,800	60,000
Dilutions††	1:10, 1:100, 1:1,000, 1:10,000, 1:100,000, 1:1,000,000 & 1:10,000,000		1:10, 1:100, 1:1,000, 1:10,000, 1:100,000, 1:1,000,000 & 1:10,000,000	
Media used	CNA/MacConkey/TSAw/blood		CNA/MacConkey/TSAw/blood	
Sample size††	0.029		0.03	
Unit	1 gram		1 gram	

Comments:

When detected, the minimum detection and reporting limit is a colony count of 1 at the lowest dilution plated.

* Sample count represents the number of colonies that would have grown if the entire selected sample were plated out.

** cfu = colony forming units

†† Sensitivity depends largely upon the dilutions used and the sample size (weight, area, etc.) of the sample. For example, if one colony grew from a 1:10 dilution, then it would represent 10 colonies. If the sample weight were 0.025 grams, this would then represent 400 cfu/gram (10 cfu / 0.025 grams = 400cfu/gram).

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SURFACE CULTURE BACTERIA REPORT

Location:	214		215	
Comments (see below)	A		None	
Sample type	Dust sample		Dust sample	
Lab ID-Version‡:	1347021-1		1347020-1	
Bacterial Types	sample ct.*	cfu**/unit	sample ct.*	cfu**/unit
Broad spectrum	3,000	130,000	42,000	1,600,000
Gram negative, coliform†	< 10	< 430	< 10	< 370
Gram negative, non-fermentative	< 10	< 430	40	1,500
Gram positive	10	430	3,000	110,000
Dilutions††	1:10, 1:100, 1:1,000, 1:10,000, 1:100,000, 1:1,000,000 & 1:10,000,000		1:10, 1:100, 1:1,000, 1:10,000, 1:100,000, 1:1,000,000 & 1:10,000,000	
Media used	CNA/MacConkey/TSaW/blood		CNA/MacConkey/TSaW/blood	
Sample size††	0.023		0.027	
Unit	1 gram		1 gram	

Comments: A) Sample was overgrown with fungi which may have reduced or eliminated the presence of some bacteria due to competition.

When detected, the minimum detection and reporting limit is a colony count of 1 at the lowest dilution plated.
 * Sample count represents the number of colonies that would have grown if the entire selected sample were plated out.

** cfu = colony forming units

†† Sensitivity depends largely upon the dilutions used and the sample size (weight, area, etc.) of the sample. For example, if one colony grew from a 1:10 dilution, then it would represent 10 colonies. If the sample weight were 0.025 grams, this would then represent 400 cfu/gram (10 cfu / 0.025 grams = 400cfu/gram).

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SURFACE CULTURE BACTERIA REPORT

Location:	217		218	
Comments (see below)	None		None	
Sample type	Dust sample		Dust sample	
Lab ID-Version‡:	1347019-1		1347018-1	
Bacterial Types	sample ct.*	cfu**/unit	sample ct.*	cfu**/unit
Broad spectrum	5,000	150,000	5,000	200,000
Gram negative, coliform†	< 10	< 300	< 10	< 400
Gram negative, non-fermentative	30	910	< 10	< 400
Gram positive	1,000	30,000	1,000	40,000
Dilutions††	1:10, 1:100, 1:1,000, 1:10,000, 1:100,000, 1:1,000,000 & 1:10,000,000		1:10, 1:100, 1:1,000, 1:10,000, 1:100,000, 1:1,000,000 & 1:10,000,000	
Media used	CNA/MacConkey/TSAw/blood		CNA/MacConkey/TSAw/blood	
Sample size††	0.033		0.025	
Unit	1 gram		1 gram	

Comments:

When detected, the minimum detection and reporting limit is a colony count of 1 at the lowest dilution plated.
 * Sample count represents the number of colonies that would have grown if the entire selected sample were plated out.

** cfu = colony forming units

†† Sensitivity depends largely upon the dilutions used and the sample size (weight, area, etc.) of the sample. For example, if one colony grew from a 1:10 dilution, then it would represent 10 colonies. If the sample weight were 0.025 grams, this would then represent 400 cfu/gram (10 cfu / 0.025 grams = 400cfu/gram).

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SURFACE CULTURE BACTERIA REPORT

Location:	226		236	
Comments (see below)	A		A	
Sample type	Dust sample		Dust sample	
Lab ID-Version‡:	1347017-1		1347016-1	
Bacterial Types	sample ct.*	cfu**/unit	sample ct.*	cfu**/unit
Broad spectrum	14,000	540,000	1,300	37,000
Gram negative, coliform†	< 10	< 380	< 10	< 290
Gram negative, non-fermentative	< 10	< 380	< 10	< 290
Gram positive	300	12,000	< 10	< 290
Dilutions††	1:10, 1:100, 1:1,000, 1:10,000, 1:100,000, 1:1,000,000 & 1:10,000,000		1:10, 1:100, 1:1,000, 1:10,000, 1:100,000, 1:1,000,000 & 1:10,000,000	
Media used	CNA/MacConkey/TSAw/blood		CNA/MacConkey/TSAw/blood	
Sample size††	0.026		0.035	
Unit	1 gram		1 gram	

Comments: A) Sample was overgrown with fungi which may have reduced or eliminated the presence of some bacteria due to competition.

When detected, the minimum detection and reporting limit is a colony count of 1 at the lowest dilution plated.
 * Sample count represents the number of colonies that would have grown if the entire selected sample were plated out.

** cfu = colony forming units

†† Sensitivity depends largely upon the dilutions used and the sample size (weight, area, etc.) of the sample. For example, if one colony grew from a 1:10 dilution, then it would represent 10 colonies. If the sample weight were 0.025 grams, this would then represent 400 cfu/gram (10 cfu / 0.025 grams = 400cfu/gram).

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SURFACE CULTURE BACTERIA REPORT

Location:	237		241	
Comments (see below)	None		None	
Sample type	Dust sample		Dust sample	
Lab ID-Version‡:	1347002-1		1347001-1	
Bacterial Types	sample ct.*	cfu**/unit	sample ct.*	cfu**/unit
Broad spectrum	1,800	67,000	80,000	2,200,000
Gram negative, coliform†	< 10	< 370	< 10	< 280
Gram negative, non-fermentative	< 10	< 370	< 10	< 280
Gram positive	400	15,000	6,000	170,000
Dilutions††	1:10, 1:100, 1:1,000, 1:10,000, 1:100,000, 1:1,000,000 & 1:10,000,000		1:10, 1:100, 1:1,000, 1:10,000, 1:100,000, 1:1,000,000 & 1:10,000,000	
Media used	CNA/MacConkey/TSAw/blood		CNA/MacConkey/TSAw/blood	
Sample size††	0.027		0.036	
Unit	1 gram		1 gram	

Comments:

When detected, the minimum detection and reporting limit is a colony count of 1 at the lowest dilution plated.
 * Sample count represents the number of colonies that would have grown if the entire selected sample were plated out.

** cfu = colony forming units

†† Sensitivity depends largely upon the dilutions used and the sample size (weight, area, etc.) of the sample. For example, if one colony grew from a 1:10 dilution, then it would represent 10 colonies. If the sample weight were 0.025 grams, this would then represent 400 cfu/gram (10 cfu / 0.025 grams = 400cfu/gram).

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SURFACE CULTURE BACTERIA REPORT

Location:	242		248	
Comments (see below)	A		A	
Sample type	Dust sample		Dust sample	
Lab ID-Version‡:	1347000-1		1346999-1	
Bacterial Types	sample ct.*	cfu**/unit	sample ct.*	cfu**/unit
Broad spectrum	9,000	240,000	4,000	140,000
Gram negative, coliform†	< 10	< 260	< 10	< 360
Gram negative, non-fermentative	< 10	< 260	10	360
Gram positive	4,000	110,000	500	18,000
Dilutions††	1:10, 1:100, 1:1,000, 1:10,000, 1:100,000, 1:1,000,000 & 1:10,000,000		1:10, 1:100, 1:1,000, 1:10,000, 1:100,000, 1:1,000,000 & 1:10,000,000	
Media used	CNA/MacConkey/TSaW/blood		CNA/MacConkey/TSaW/blood	
Sample size††	0.038		0.028	
Unit	1 gram		1 gram	

Comments: A) Sample was overgrown with fungi which may have reduced or eliminated the presence of some bacteria due to competition.

When detected, the minimum detection and reporting limit is a colony count of 1 at the lowest dilution plated.

* Sample count represents the number of colonies that would have grown if the entire selected sample were plated out.

** cfu = colony forming units

†† Sensitivity depends largely upon the dilutions used and the sample size (weight, area, etc.) of the sample. For example, if one colony grew from a 1:10 dilution, then it would represent 10 colonies. If the sample weight were 0.025 grams, this would then represent 400 cfu/gram (10 cfu / 0.025 grams = 400cfu/gram).

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Client: NIOSH
 C/O: Dr. Ju-Hyeong Park
 Re: Bennington, VT Study

Date of Submittal: 07-05-2007
 Date of Receipt: 07-05-2007
 Date of Report: 10-22-2007

SURFACE CULTURE BACTERIA REPORT

Location:	306		307	
Comments (see below)	A		A	
Sample type	Dust sample		Dust sample	
Lab ID-Version‡:	1346998-1		1346997-1	
Bacterial Types	sample ct.*	cfu**/unit	sample ct.*	cfu**/unit
Broad spectrum	4,000	91,000	3,000	110,000
Gram negative, coliform†	< 10	< 230	< 10	< 360
Gram negative, non-fermentative	< 10	< 230	< 10	< 360
Gram positive	< 10	< 230	< 10	< 360
Dilutions††	1:10, 1:100, 1:1,000, 1:10,000, 1:100,000, 1:1,000,000 & 1:10,000,000		1:10, 1:100, 1:1,000, 1:10,000, 1:100,000, 1:1,000,000 & 1:10,000,000	
Media used	CNA/MacConkey/TSAw/blood		CNA/MacConkey/TSAw/blood	
Sample size††	0.044		0.028	
Unit	1 gram		1 gram	

Comments: A) Sample was overgrown with fungi which may have reduced or eliminated the presence of some bacteria due to competition.

When detected, the minimum detection and reporting limit is a colony count of 1 at the lowest dilution plated.

* Sample count represents the number of colonies that would have grown if the entire selected sample were plated out.

** cfu = colony forming units

†† Sensitivity depends largely upon the dilutions used and the sample size (weight, area, etc.) of the sample. For example, if one colony grew from a 1:10 dilution, then it would represent 10 colonies. If the sample weight were 0.025 grams, this would then represent 400 cfu/gram (10 cfu / 0.025 grams = 400cfu/gram).

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 Re: Bennington, VT Study

Date of Submittal: 07-05-2007
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 Date of Report: 10-22-2007

SURFACE CULTURE BACTERIA REPORT

Location:	308		309	
Comments (see below)	None		None	
Sample type	Dust sample		Dust sample	
Lab ID-Version‡:	1346996-1		1346995-1	
Bacterial Types	sample ct.*	cfu**/unit	sample ct.*	cfu**/unit
Broad spectrum	4,000	140,000	800	33,000
Gram negative, coliform†	< 10	< 340	< 10	< 420
Gram negative, non-fermentative	< 10	< 340	< 10	< 420
Gram positive	300	10,000	100	4,200
Dilutions††	1:10, 1:100, 1:1,000, 1:10,000, 1:100,000, 1:1,000,000 & 1:10,000,000		1:10, 1:100, 1:1,000, 1:10,000, 1:100,000, 1:1,000,000 & 1:10,000,000	
Media used	CNA/MacConkey/TSAw/blood		CNA/MacConkey/TSAw/blood	
Sample size††	0.029		0.024	
Unit	1 gram		1 gram	

Comments:

When detected, the minimum detection and reporting limit is a colony count of 1 at the lowest dilution plated.

* Sample count represents the number of colonies that would have grown if the entire selected sample were plated out.

** cfu = colony forming units

†† Sensitivity depends largely upon the dilutions used and the sample size (weight, area, etc.) of the sample. For example, if one colony grew from a 1:10 dilution, then it would represent 10 colonies. If the sample weight were 0.025 grams, this would then represent 400 cfu/gram (10 cfu / 0.025 grams = 400cfu/gram).

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SURFACE CULTURE BACTERIA REPORT

Location:	310		311	
Comments (see below)	A		A	
Sample type	Dust sample		Dust sample	
Lab ID-Version‡:	1346994-1		1346993-1	
Bacterial Types	sample ct.*	cfu**/unit	sample ct.*	cfu**/unit
Broad spectrum	220,000	5,000,000	3,800	79,000
Gram negative, coliform†	10	230	10	210
Gram negative, non-fermentative	40	910	40	830
Gram positive	80,000	1,800,000	< 10	< 210
Dilutions††	1:10, 1:100, 1:1,000, 1:10,000, 1:100,000, 1:1,000,000 & 1:10,000,000		1:10, 1:100, 1:1,000, 1:10,000, 1:100,000, 1:1,000,000 & 1:10,000,000	
Media used	CNA/MacConkey/TSAw/blood		CNA/MacConkey/TSAw/blood	
Sample size††	0.044		0.048	
Unit	1 gram		1 gram	

Comments: A) Sample was overgrown with fungi which may have reduced or eliminated the presence of some bacteria due to competition.

When detected, the minimum detection and reporting limit is a colony count of 1 at the lowest dilution plated.

* Sample count represents the number of colonies that would have grown if the entire selected sample were plated out.

** cfu = colony forming units

†† Sensitivity depends largely upon the dilutions used and the sample size (weight, area, etc.) of the sample. For example, if one colony grew from a 1:10 dilution, then it would represent 10 colonies. If the sample weight were 0.025 grams, this would then represent 400 cfu/gram (10 cfu / 0.025 grams = 400cfu/gram).

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SURFACE CULTURE BACTERIA REPORT

Location:	312		313	
Comments (see below)	None		None	
Sample type	Dust sample		Dust sample	
Lab ID-Version‡:	1346992-1		1346991-1	
Bacterial Types	sample ct.*	cfu**/unit	sample ct.*	cfu**/unit
Broad spectrum	161,000	4,700,000	1,300	38,000
Gram negative, coliform†	< 10	< 290	< 10	< 290
Gram negative, non-fermentative	10	290	20	590
Gram positive	74,000	2,200,000	100	2,900
Dilutions††	1:10, 1:100, 1:1,000, 1:10,000, 1:100,000, 1:1,000,000 & 1:10,000,000		1:10, 1:100, 1:1,000, 1:10,000, 1:100,000, 1:1,000,000 & 1:10,000,000	
Media used	CNA/MacConkey/TSAw/blood		CNA/MacConkey/TSAw/blood	
Sample size††	0.034		0.034	
Unit	1 gram		1 gram	

Comments:

When detected, the minimum detection and reporting limit is a colony count of 1 at the lowest dilution plated.
 * Sample count represents the number of colonies that would have grown if the entire selected sample were plated out.

** cfu = colony forming units

†† Sensitivity depends largely upon the dilutions used and the sample size (weight, area, etc.) of the sample. For example, if one colony grew from a 1:10 dilution, then it would represent 10 colonies. If the sample weight were 0.025 grams, this would then represent 400 cfu/gram (10 cfu /0.025 grams = 400cfu/gram).

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SURFACE CULTURE BACTERIA REPORT

Location:	314		315	
Comments (see below)	A		None	
Sample type	Dust sample		Dust sample	
Lab ID-Version‡:	1346990-1		1346989-1	
Bacterial Types	sample ct.*	cfu**/unit	sample ct.*	cfu**/unit
Broad spectrum	48,000	1,200,000	6,000	180,000
Gram negative, coliform†	< 10	< 240	40	1,200
Gram negative, non-fermentative	70	1,700	< 10	< 290
Gram positive	< 10	< 240	360	11,000
Dilutions††	1:10, 1:100, 1:1,000, 1:10,000, 1:100,000, 1:1,000,000 & 1:10,000,000		1:10, 1:100, 1:1,000, 1:10,000, 1:100,000, 1:1,000,000 & 1:10,000,000	
Media used	CNA/MacConkey/TSAw/blood		CNA/MacConkey/TSAw/blood	
Sample size††	0.041		0.034	
Unit	1 gram		1 gram	

Comments: A) Sample was overgrown with fungi which may have reduced or eliminated the presence of some bacteria due to competition.

When detected, the minimum detection and reporting limit is a colony count of 1 at the lowest dilution plated.
 * Sample count represents the number of colonies that would have grown if the entire selected sample were plated out.

** cfu = colony forming units

†† Sensitivity depends largely upon the dilutions used and the sample size (weight, area, etc.) of the sample. For example, if one colony grew from a 1:10 dilution, then it would represent 10 colonies. If the sample weight were 0.025 grams, this would then represent 400 cfu/gram (10 cfu / 0.025 grams = 400cfu/gram).

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SURFACE CULTURE BACTERIA REPORT

Location:	316		317	
Comments (see below)	None		None	
Sample type	Dust sample		Dust sample	
Lab ID-Version‡:	1346988-1		1346987-1	
Bacterial Types	sample ct.*	cfu**/unit	sample ct.*	cfu**/unit
Broad spectrum	3,600	88,000	4,500	150,000
Gram negative, coliform†	150	3,700	< 10	< 330
Gram negative, non-fermentative	< 10	< 240	40	1,300
Gram positive	40	980	300	10,000
Dilutions††	1:10, 1:100, 1:1,000, 1:10,000, 1:100,000, 1:1,000,000 & 1:10,000,000		1:10, 1:100, 1:1,000, 1:10,000, 1:100,000, 1:1,000,000 & 1:10,000,000	
Media used	CNA/MacConkey/TSaW/blood		CNA/MacConkey/TSaW/blood	
Sample size††	0.041		0.03	
Unit	1 gram		1 gram	

Comments:

When detected, the minimum detection and reporting limit is a colony count of 1 at the lowest dilution plated.
 * Sample count represents the number of colonies that would have grown if the entire selected sample were plated out.

** cfu = colony forming units

†† Sensitivity depends largely upon the dilutions used and the sample size (weight, area, etc.) of the sample. For example, if one colony grew from a 1:10 dilution, then it would represent 10 colonies. If the sample weight were 0.025 grams, this would then represent 400 cfu/gram (10 cfu / 0.025 grams = 400cfu/gram).

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SURFACE CULTURE BACTERIA REPORT

Location:	318		320	
Comments (see below)	None		None	
Sample type	Dust sample		Dust sample	
Lab ID-Version‡:	1346986-1		1346985-1	
Bacterial Types	sample ct.*	cfu**/unit	sample ct.*	cfu**/unit
Broad spectrum	640	23,000	3,400	92,000
Gram negative, coliform†	< 10	< 360	30	810
Gram negative, non-fermentative	< 10	< 360	< 10	< 270
Gram positive	500	18,000	2,600	70,000
Dilutions††	1:10, 1:100, 1:1,000, 1:10,000, 1:100,000, 1:1,000,000 & 1:10,000,000		1:10, 1:100, 1:1,000, 1:10,000, 1:100,000, 1:1,000,000 & 1:10,000,000	
Media used	CNA/MacConkey/TSAw/blood		CNA/MacConkey/TSAw/blood	
Sample size††	0.028		0.037	
Unit	1 gram		1 gram	

Comments:

When detected, the minimum detection and reporting limit is a colony count of 1 at the lowest dilution plated.
 * Sample count represents the number of colonies that would have grown if the entire selected sample were plated out.

** cfu = colony forming units

†† Sensitivity depends largely upon the dilutions used and the sample size (weight, area, etc.) of the sample. For example, if one colony grew from a 1:10 dilution, then it would represent 10 colonies. If the sample weight were 0.025 grams, this would then represent 400 cfu/gram (10 cfu / 0.025 grams = 400cfu/gram).

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Date of Submittal: 07-05-2007
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SURFACE CULTURE BACTERIA REPORT

Location:	321		322	
Comments (see below)	None		None	
Sample type	Dust sample		Dust sample	
Lab ID-Version‡:	1346984-1		1346983-1	
Bacterial Types	sample ct.*	cfu**/unit	sample ct.*	cfu**/unit
Broad spectrum	690,000	24,000,000	17,000	460,000
Gram negative, coliform†	50	1,700	< 10	< 270
Gram negative, non-fermentative	290	10,000	< 10	< 270
Gram positive	450,000	16,000,000	21,000	570,000
Dilutions††	1:10, 1:100, 1:1,000, 1:10,000, 1:100,000, 1:1,000,000 & 1:10,000,000		1:10, 1:100, 1:1,000, 1:10,000, 1:100,000, 1:1,000,000 & 1:10,000,000	
Media used	CNA/MacConkey/TSAw/blood		CNA/MacConkey/TSAw/blood	
Sample size††	0.029		0.037	
Unit	1 gram		1 gram	

Comments:

When detected, the minimum detection and reporting limit is a colony count of 1 at the lowest dilution plated.
* Sample count represents the number of colonies that would have grown if the entire selected sample were plated out.

** cfu = colony forming units

†† Sensitivity depends largely upon the dilutions used and the sample size (weight, area, etc.) of the sample. For example, if one colony grew from a 1:10 dilution, then it would represent 10 colonies. If the sample weight were 0.025 grams, this would then represent 400 cfu/gram (10 cfu / 0.025 grams = 400cfu/gram).

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SURFACE CULTURE BACTERIA REPORT

Location:	323		325	
Comments (see below)	None		None	
Sample type	Dust sample		Dust sample	
Lab ID-Version‡:	1346982-1		1346981-1	
Bacterial Types	sample ct.*	cfu**/unit	sample ct.*	cfu**/unit
Broad spectrum	22,000	1,000,000	4,700	180,000
Gram negative, coliform†	< 10	< 450	50	1,900
Gram negative, non-fermentative	50	2,300	90	3,500
Gram positive	20,000	910,000	4,100	160,000
Dilutions††	1:10, 1:100, 1:1,000, 1:10,000, 1:100,000, 1:1,000,000 & 1:10,000,000		1:10, 1:100, 1:1,000, 1:10,000, 1:100,000, 1:1,000,000 & 1:10,000,000	
Media used	CNA/MacConkey/TSAw/blood		CNA/MacConkey/TSAw/blood	
Sample size††	0.022		0.026	
Unit	1 gram		1 gram	

Comments:

When detected, the minimum detection and reporting limit is a colony count of 1 at the lowest dilution plated.
 * Sample count represents the number of colonies that would have grown if the entire selected sample were plated out.

** cfu = colony forming units

†† Sensitivity depends largely upon the dilutions used and the sample size (weight, area, etc.) of the sample. For example, if one colony grew from a 1:10 dilution, then it would represent 10 colonies. If the sample weight were 0.025 grams, this would then represent 400 cfu/gram (10 cfu /0.025 grams = 400cfu/gram).

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SURFACE CULTURE BACTERIA REPORT

Location:	326		327	
Comments (see below)	None		None	
Sample type	Dust sample		Dust sample	
Lab ID-Version‡:	1346980-1		1346979-1	
Bacterial Types	sample ct.*	cfu**/unit	sample ct.*	cfu**/unit
Broad spectrum	1,300	57,000	2,900	120,000
Gram negative, coliform†	< 10	< 430	30	1,300
Gram negative, non-fermentative	50	2,200	30	1,300
Gram positive	140	6,100	230	9,600
Dilutions††	1:10, 1:100, 1:1,000, 1:10,000, 1:100,000, 1:1,000,000 & 1:10,000,000		1:10, 1:100, 1:1,000, 1:10,000, 1:100,000, 1:1,000,000 & 1:10,000,000	
Media used	CNA/MacConkey/TSAw/blood		CNA/MacConkey/TSAw/blood	
Sample size††	0.023		0.024	
Unit	1 gram		1 gram	

Comments:

When detected, the minimum detection and reporting limit is a colony count of 1 at the lowest dilution plated.
 * Sample count represents the number of colonies that would have grown if the entire selected sample were plated out.

** cfu = colony forming units

†† Sensitivity depends largely upon the dilutions used and the sample size (weight, area, etc.) of the sample. For example, if one colony grew from a 1:10 dilution, then it would represent 10 colonies. If the sample weight were 0.025 grams, this would then represent 400 cfu/gram (10 cfu / 0.025 grams = 400cfu/gram).

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SURFACE CULTURE BACTERIA REPORT

Location:	335		343	
Comments (see below)	None		None	
Sample type	Dust sample		Dust sample	
Lab ID-Version‡:	1346978-1		1346977-1	
Bacterial Types	sample ct.*	cfu**/unit	sample ct.*	cfu**/unit
Broad spectrum	27,000	570,000	2,200	69,000
Gram negative, coliform†	220	4,700	< 10	< 310
Gram negative, non-fermentative	280	6,000	70	2,200
Gram positive	9,800	210,000	60	1,900
Dilutions††	1:10, 1:100, 1:1,000, 1:10,000, 1:100,000, 1:1,000,000 & 1:10,000,000		1:10, 1:100, 1:1,000, 1:10,000, 1:100,000, 1:1,000,000 & 1:10,000,000	
Media used	CNA/MacConkey/TSAw/blood		CNA/MacConkey/TSAw/blood	
Sample size††	0.047		0.032	
Unit	1 gram		1 gram	

Comments:

When detected, the minimum detection and reporting limit is a colony count of 1 at the lowest dilution plated.

* Sample count represents the number of colonies that would have grown if the entire selected sample were plated out.

** cfu = colony forming units

†† Sensitivity depends largely upon the dilutions used and the sample size (weight, area, etc.) of the sample. For example, if one colony grew from a 1:10 dilution, then it would represent 10 colonies. If the sample weight were 0.025 grams, this would then represent 400 cfu/gram (10 cfu / 0.025 grams = 400cfu/gram).

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SURFACE CULTURE BACTERIA REPORT

Location:	348		350	
Comments (see below)	None		None	
Sample type	Dust sample		Dust sample	
Lab ID-Version‡:	1346976-1		1346975-1	
Bacterial Types	sample ct.*	cfu**/unit	sample ct.*	cfu**/unit
Broad spectrum	2,500	56,000	4,400	130,000
Gram negative, coliform†	< 10	< 220	100	3,000
Gram negative, non-fermentative	40	890	300	9,100
Gram positive	310	6,900	500	15,000
Dilutions††	1:10, 1:100, 1:1,000, 1:10,000, 1:100,000, 1:1,000,000 & 1:10,000,000		1:10, 1:100, 1:1,000, 1:10,000, 1:100,000, 1:1,000,000 & 1:10,000,000	
Media used	CNA/MacConkey/TSAw/blood		CNA/MacConkey/TSAw/blood	
Sample size††	0.045		0.033	
Unit	1 gram		1 gram	

Comments:

When detected, the minimum detection and reporting limit is a colony count of 1 at the lowest dilution plated.
 * Sample count represents the number of colonies that would have grown if the entire selected sample were plated out.

** cfu = colony forming units

†† Sensitivity depends largely upon the dilutions used and the sample size (weight, area, etc.) of the sample. For example, if one colony grew from a 1:10 dilution, then it would represent 10 colonies. If the sample weight were 0.025 grams, this would then represent 400 cfu/gram (10 cfu / 0.025 grams = 400cfu/gram).

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Client: NIOSH
 C/O: Dr. Ju-Hyeong Park
 Re: Bennington, VT Study

Date of Submittal: 07-05-2007
 Date of Receipt: 07-05-2007
 Date of Report: 10-22-2007

SURFACE CULTURE BACTERIA REPORT

Location:	351		353	
Comments (see below)	None		None	
Sample type	Dust sample		Dust sample	
Lab ID-Version‡:	1346974-1		1346973-1	
Bacterial Types	sample ct.*	cfu**/unit	sample ct.*	cfu**/unit
Broad spectrum	1,300	42,000	1,300	29,000
Gram negative, coliform†	50	1,600	< 10	< 220
Gram negative, non-fermentative	100	3,200	< 10	< 220
Gram positive	1,100	35,000	70	1,600
Dilutions††	1:10, 1:100, 1:1,000, 1:10,000, 1:100,000, 1:1,000,000 & 1:10,000,000		1:10, 1:100, 1:1,000, 1:10,000, 1:100,000, 1:1,000,000 & 1:10,000,000	
Media used	CNA/MacConkey/TSAw/blood		CNA/MacConkey/TSAw/blood	
Sample size††	0.031		0.045	
Unit	1 gram		1 gram	

Comments:

When detected, the minimum detection and reporting limit is a colony count of 1 at the lowest dilution plated.
 * Sample count represents the number of colonies that would have grown if the entire selected sample were plated out.

** cfu = colony forming units

†† Sensitivity depends largely upon the dilutions used and the sample size (weight, area, etc.) of the sample. For example, if one colony grew from a 1:10 dilution, then it would represent 10 colonies. If the sample weight were 0.025 grams, this would then represent 400 cfu/gram (10 cfu / 0.025 grams = 400cfu/gram).

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Date of Submittal: 07-05-2007
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SURFACE CULTURE BACTERIA REPORT

Location:	356A		356B	
Comments (see below)	None		None	
Sample type	Dust sample		Dust sample	
Lab ID-Version‡:	1346972-1		1346971-1	
Bacterial Types	sample ct.*	cfu**/unit	sample ct.*	cfu**/unit
Broad spectrum	1,900	66,000	2,500	100,000
Gram negative, coliform†	< 10	< 340	390	16,000
Gram negative, non-fermentative	240	8,300	510	21,000
Gram positive	900	31,000	< 10	< 420
Dilutions††	1:10, 1:100, 1:1,000, 1:10,000, 1:100,000, 1:1,000,000 & 1:10,000,000		1:10, 1:100, 1:1,000, 1:10,000, 1:100,000, 1:1,000,000 & 1:10,000,000	
Media used	CNA/MacConkey/TSAw/blood		CNA/MacConkey/TSAw/blood	
Sample size††	0.029		0.024	
Unit	1 gram		1 gram	

Comments:

When detected, the minimum detection and reporting limit is a colony count of 1 at the lowest dilution plated.
 * Sample count represents the number of colonies that would have grown if the entire selected sample were plated out.

** cfu = colony forming units

†† Sensitivity depends largely upon the dilutions used and the sample size (weight, area, etc.) of the sample. For example, if one colony grew from a 1:10 dilution, then it would represent 10 colonies. If the sample weight were 0.025 grams, this would then represent 400 cfu/gram (10 cfu / 0.025 grams = 400cfu/gram).

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SURFACE CULTURE BACTERIA REPORT

Location:	400		401	
Comments (see below)	None		None	
Sample type	Dust sample		Dust sample	
Lab ID-Version‡:	1346970-1		1347089-1	
Bacterial Types	sample ct.*	cfu**/unit	sample ct.*	cfu**/unit
Broad spectrum	300	8,600	290	12,000
Gram negative, coliform†	< 10	< 290	< 10	< 400
Gram negative, non-fermentative	< 10	< 290	20	800
Gram positive	< 10	< 290	< 10	< 400
Dilutions††	1:10, 1:100, 1:1,000, 1:10,000, 1:100,000, 1:1,000,000 & 1:10,000,000		1:10, 1:100, 1:1,000, 1:10,000, 1:100,000, 1:1,000,000 & 1:10,000,000	
Media used	CNA/MacConkey/TSAw/blood		CNA/MacConkey/TSAw/blood	
Sample size††	0.035		0.025	
Unit	1 gram		1 gram	

Comments:

When detected, the minimum detection and reporting limit is a colony count of 1 at the lowest dilution plated.
 * Sample count represents the number of colonies that would have grown if the entire selected sample were plated out.

** cfu = colony forming units

†† Sensitivity depends largely upon the dilutions used and the sample size (weight, area, etc.) of the sample. For example, if one colony grew from a 1:10 dilution, then it would represent 10 colonies. If the sample weight were 0.025 grams, this would then represent 400 cfu/gram (10 cfu / 0.025 grams = 400cfu/gram).

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SURFACE CULTURE BACTERIA REPORT

Location:	402		403	
Comments (see below)	A		None	
Sample type	Dust sample		Dust sample	
Lab ID-Version‡:	1347088-1		1347087-1	
Bacterial Types	sample ct.*	cfu**/unit	sample ct.*	cfu**/unit
Broad spectrum	210	4,800	1,400	29,000
Gram negative, coliform†	< 10	< 230	30	630
Gram negative, non-fermentative	< 10	< 230	40	830
Gram positive	< 10	< 230	1,000	21,000
Dilutions††	1:10, 1:100, 1:1,000, 1:10,000, 1:100,000, 1:1,000,000 & 1:10,000,000		1:10, 1:100, 1:1,000, 1:10,000, 1:100,000, 1:1,000,000 & 1:10,000,000	
Media used	CNA/MacConkey/TSAw/blood		CNA/MacConkey/TSAw/blood	
Sample size††	0.044		0.048	
Unit	1 gram		1 gram	

Comments: A) Sample was overgrown with fungi which may have reduced or eliminated the presence of some bacteria due to competition.

When detected, the minimum detection and reporting limit is a colony count of 1 at the lowest dilution plated.

* Sample count represents the number of colonies that would have grown if the entire selected sample were plated out.

** cfu = colony forming units

†† Sensitivity depends largely upon the dilutions used and the sample size (weight, area, etc.) of the sample. For example, if one colony grew from a 1:10 dilution, then it would represent 10 colonies. If the sample weight were 0.025 grams, this would then represent 400 cfu/gram (10 cfu / 0.025 grams = 400cfu/gram).

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SURFACE CULTURE BACTERIA REPORT

Location:	404		405	
Comments (see below)	A		None	
Sample type	Dust sample		Dust sample	
Lab ID-Version‡:	1347086-1		1347085-1	
Bacterial Types	sample ct.*	cfu**/unit	sample ct.*	cfu**/unit
Broad spectrum	2,200	69,000	4,300	150,000
Gram negative, coliform†	130	4,100	110	3,800
Gram negative, non-fermentative	170	5,300	320	11,000
Gram positive	< 10	< 310	1,000	34,000
Dilutions††	1:10, 1:100, 1:1,000, 1:10,000, 1:100,000, 1:1,000,000 & 1:10,000,000		1:10, 1:100, 1:1,000, 1:10,000, 1:100,000, 1:1,000,000 & 1:10,000,000	
Media used	CNA/MacConkey/TSAw/blood		CNA/MacConkey/TSAw/blood	
Sample size††	0.032		0.029	
Unit	1 gram		1 gram	

Comments: A) Sample was overgrown with fungi which may have reduced or eliminated the presence of some bacteria due to competition.

When detected, the minimum detection and reporting limit is a colony count of 1 at the lowest dilution plated.

* Sample count represents the number of colonies that would have grown if the entire selected sample were plated out.

** cfu = colony forming units

†† Sensitivity depends largely upon the dilutions used and the sample size (weight, area, etc.) of the sample. For example, if one colony grew from a 1:10 dilution, then it would represent 10 colonies. If the sample weight were 0.025 grams, this would then represent 400 cfu/gram (10 cfu / 0.025 grams = 400cfu/gram).

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SURFACE CULTURE BACTERIA REPORT

Location:	406		407	
Comments (see below)	None		None	
Sample type	Dust sample		Dust sample	
Lab ID-Version‡:	1347084-1		1347083-1	
Bacterial Types	sample ct.*	cfu**/unit	sample ct.*	cfu**/unit
Broad spectrum	2,200	52,000	5,900	280,000
Gram negative, coliform†	40	950	20	950
Gram negative, non-fermentative	90	2,100	70	3,300
Gram positive	800	19,000	3,000	140,000
Dilutions††	1:10, 1:100, 1:1,000, 1:10,000, 1:100,000, 1:1,000,000 & 1:10,000,000		1:10, 1:100, 1:1,000, 1:10,000, 1:100,000, 1:1,000,000 & 1:10,000,000	
Media used	CNA/MacConkey/TSAw/blood		CNA/MacConkey/TSAw/blood	
Sample size††	0.042		0.021	
Unit	1 gram		1 gram	

Comments:

When detected, the minimum detection and reporting limit is a colony count of 1 at the lowest dilution plated.
 * Sample count represents the number of colonies that would have grown if the entire selected sample were plated out.

** cfu = colony forming units

†† Sensitivity depends largely upon the dilutions used and the sample size (weight, area, etc.) of the sample. For example, if one colony grew from a 1:10 dilution, then it would represent 10 colonies. If the sample weight were 0.025 grams, this would then represent 400 cfu/gram (10 cfu / 0.025 grams = 400cfu/gram).

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SURFACE CULTURE BACTERIA REPORT

Location:	408		409	
Comments (see below)	None		A	
Sample type	Dust sample		Dust sample	
Lab ID-Version‡:	1347003-1		1347004-1	
Bacterial Types	sample ct.*	cfu**/unit	sample ct.*	cfu**/unit
Broad spectrum	800	22,000	3,400	120,000
Gram negative, coliform†	90	2,500	< 10	< 360
Gram negative, non-fermentative	< 10	< 280	260	9,300
Gram positive	660	18,000	250	8,900
Dilutions††	1:10, 1:100, 1:1,000, 1:10,000, 1:100,000, 1:1,000,000 & 1:10,000,000		1:10, 1:100, 1:1,000, 1:10,000, 1:100,000, 1:1,000,000 & 1:10,000,000	
Media used	CNA/MacConkey/TSAw/blood		CNA/MacConkey/TSAw/blood	
Sample size††	0.036		0.028	
Unit	1 gram		1 gram	

Comments: A) Sample was overgrown with fungi which may have reduced or eliminated the presence of some bacteria due to competition.

When detected, the minimum detection and reporting limit is a colony count of 1 at the lowest dilution plated.

* Sample count represents the number of colonies that would have grown if the entire selected sample were plated out.

** cfu = colony forming units

†† Sensitivity depends largely upon the dilutions used and the sample size (weight, area, etc.) of the sample. For example, if one colony grew from a 1:10 dilution, then it would represent 10 colonies. If the sample weight were 0.025 grams, this would then represent 400 cfu/gram (10 cfu / 0.025 grams = 400cfu/gram).

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SURFACE CULTURE BACTERIA REPORT

Location:	410		411	
Comments (see below)	A		A	
Sample type	Dust sample		Dust sample	
Lab ID-Version‡:	1347005-1		1347006-1	
Bacterial Types	sample ct.*	cfu**/unit	sample ct.*	cfu**/unit
Broad spectrum	3,600	88,000	3,700	150,000
Gram negative, coliform†	150	3,700	70	2,800
Gram negative, non-fermentative	170	4,100	100	4,000
Gram positive	< 10	< 240	400	16,000
Dilutions††	1:10, 1:100, 1:1,000, 1:10,000, 1:100,000, 1:1,000,000 & 1:10,000,000		1:10, 1:100, 1:1,000, 1:10,000, 1:100,000, 1:1,000,000 & 1:10,000,000	
Media used	CNA/MacConkey/TSAw/blood		CNA/MacConkey/TSAw/blood	
Sample size††	0.041		0.025	
Unit	1 gram		1 gram	

Comments: A) Sample was overgrown with fungi which may have reduced or eliminated the presence of some bacteria due to competition.

When detected, the minimum detection and reporting limit is a colony count of 1 at the lowest dilution plated.

* Sample count represents the number of colonies that would have grown if the entire selected sample were plated out.

** cfu = colony forming units

†† Sensitivity depends largely upon the dilutions used and the sample size (weight, area, etc.) of the sample. For example, if one colony grew from a 1:10 dilution, then it would represent 10 colonies. If the sample weight were 0.025 grams, this would then represent 400 cfu/gram (10 cfu / 0.025 grams = 400cfu/gram).

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SURFACE CULTURE BACTERIA REPORT

Location:	412		413	
Comments (see below)	None		A	
Sample type	Dust sample		Dust sample	
Lab ID-Version‡:	1347007-1		1347008-1	
Bacterial Types	sample ct.*	cfu**/unit	sample ct.*	cfu**/unit
Broad spectrum	7,000	290,000	42,000	1,500,000
Gram negative, coliform†	10	420	< 10	< 360
Gram negative, non-fermentative	20	830	50	1,800
Gram positive	< 10	< 420	3,000	110,000
Dilutions††	1:10, 1:100, 1:1,000, 1:10,000, 1:100,000, 1:1,000,000 & 1:10,000,000		1:10, 1:100, 1:1,000, 1:10,000, 1:100,000, 1:1,000,000 & 1:10,000,000	
Media used	CNA/MacConkey/TSAw/blood		CNA/MacConkey/TSAw/blood	
Sample size††	0.024		0.028	
Unit	1 gram		1 gram	

Comments: A) Sample was overgrown with fungi which may have reduced or eliminated the presence of some bacteria due to competition.

When detected, the minimum detection and reporting limit is a colony count of 1 at the lowest dilution plated.
 * Sample count represents the number of colonies that would have grown if the entire selected sample were plated out.

** cfu = colony forming units

†† Sensitivity depends largely upon the dilutions used and the sample size (weight, area, etc.) of the sample. For example, if one colony grew from a 1:10 dilution, then it would represent 10 colonies. If the sample weight were 0.025 grams, this would then represent 400 cfu/gram (10 cfu / 0.025 grams = 400cfu/gram).

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SURFACE CULTURE BACTERIA REPORT

Location:	414		415	
Comments (see below)	None		None	
Sample type	Dust sample		Dust sample	
Lab ID-Version‡:	1347009-1		1347010-1	
Bacterial Types	sample ct.*	cfu**/unit	sample ct.*	cfu**/unit
Broad spectrum	16,000	640,000	10,000	430,000
Gram negative, coliform†	< 10	< 400	< 10	< 430
Gram negative, non-fermentative	40	1,600	< 10	< 430
Gram positive	100	4,000	220	9,600
Dilutions††	1:10, 1:100, 1:1,000, 1:10,000, 1:100,000, 1:1,000,000 & 1:10,000,000		1:10, 1:100, 1:1,000, 1:10,000, 1:100,000, 1:1,000,000 & 1:10,000,000	
Media used	CNA/MacConkey/TSAw/blood		CNA/MacConkey/TSAw/blood	
Sample size††	0.025		0.023	
Unit	1 gram		1 gram	

Comments:

When detected, the minimum detection and reporting limit is a colony count of 1 at the lowest dilution plated.
 * Sample count represents the number of colonies that would have grown if the entire selected sample were plated out.

** cfu = colony forming units

†† Sensitivity depends largely upon the dilutions used and the sample size (weight, area, etc.) of the sample. For example, if one colony grew from a 1:10 dilution, then it would represent 10 colonies. If the sample weight were 0.025 grams, this would then represent 400 cfu/gram (10 cfu / 0.025 grams = 400cfu/gram).

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SURFACE CULTURE BACTERIA REPORT

Location:	416		417	
Comments (see below)	A		A	
Sample type	Dust sample		Dust sample	
Lab ID-Version‡:	1347011-1		1347012-1	
Bacterial Types	sample ct.*	cfu**/unit	sample ct.*	cfu**/unit
Broad spectrum	5,000	230,000	70	2,800
Gram negative, coliform†	< 10	< 450	< 10	< 400
Gram negative, non-fermentative	< 10	< 450	< 10	< 400
Gram positive	< 10	< 450	< 10	< 400
Dilutions††	1:10, 1:100, 1:1,000, 1:10,000, 1:100,000, 1:1,000,000 & 1:10,000,000		1:10, 1:100, 1:1,000, 1:10,000, 1:100,000, 1:1,000,000 & 1:10,000,000	
Media used	CNA/MacConkey/TSAw/blood		CNA/MacConkey/TSAw/blood	
Sample size††	0.022		0.025	
Unit	1 gram		1 gram	

Comments: A) Sample was overgrown with fungi which may have reduced or eliminated the presence of some bacteria due to competition.

When detected, the minimum detection and reporting limit is a colony count of 1 at the lowest dilution plated.
 * Sample count represents the number of colonies that would have grown if the entire selected sample were plated out.

** cfu = colony forming units

†† Sensitivity depends largely upon the dilutions used and the sample size (weight, area, etc.) of the sample. For example, if one colony grew from a 1:10 dilution, then it would represent 10 colonies. If the sample weight were 0.025 grams, this would then represent 400 cfu/gram (10 cfu / 0.025 grams = 400cfu/gram).

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SURFACE CULTURE BACTERIA REPORT

Location:	418		419	
Comments (see below)	None		None	
Sample type	Dust sample		Dust sample	
Lab ID-Version‡:	1347013-1		1347014-1	
Bacterial Types	sample ct.*	cfu**/unit	sample ct.*	cfu**/unit
Broad spectrum	3,000	94,000	1,400,000	38,000,000
Gram negative, coliform†	< 10	< 310	< 10	< 270
Gram negative, non-fermentative	< 10	< 310	< 10	< 270
Gram positive	< 10	< 310	300	8,100
Dilutions††	1:10, 1:100, 1:1,000, 1:10,000, 1:100,000, 1:1,000,000 & 1:10,000,000		1:10, 1:100, 1:1,000, 1:10,000, 1:100,000, 1:1,000,000 & 1:10,000,000	
Media used	CNA/MacConkey/TSAw/blood		CNA/MacConkey/TSAw/blood	
Sample size††	0.032		0.037	
Unit	1 gram		1 gram	

Comments:

When detected, the minimum detection and reporting limit is a colony count of 1 at the lowest dilution plated.
* Sample count represents the number of colonies that would have grown if the entire selected sample were plated out.

** cfu = colony forming units

†† Sensitivity depends largely upon the dilutions used and the sample size (weight, area, etc.) of the sample. For example, if one colony grew from a 1:10 dilution, then it would represent 10 colonies. If the sample weight were 0.025 grams, this would then represent 400 cfu/gram (10 cfu / 0.025 grams = 400cfu/gram).

Based on samples delivered. Sampling techniques, contaminants infecting samples, unrepresentative samples and other similar or dissimilar factors may affect results. EMLab P&K hereby disclaims any liability for indirect, punitive, incidental, special or consequential damages arising out of the use or interpretation of the data contained in, or any actions taken in reliance upon, this report; and its actual direct damages arising out of the use or interpretation of the data contained in, or any actions or omitted taken in reliance upon, this report shall be limited to the cost of this report.

‡ A "Version" greater than 1 indicates amended data.