ENVIRONMENTAL HEALTH & ENGINEERING

Environmental Health & Engineering, Inc.

117 Fourth Avenue
Needham, MA
02494-2725

TEL 800-825-5343
781-247-4300
FAX 781-247-4305

www.eheinc.com

Home Inspection/Questionnair Form

House ID 090209VA03

Date 09/02/09

Field Technician(s) TXM, BRH, NSE.

House Address (b)(6) GINIA BEACH VA

General Weather Description Sunny

1. Questionnaire

1) Interviewed home owner (YES) NO

2) Age of the House (years)

2006 Jan 2007 moved in.

3) Estimated Floor Area (sqft)

3700 sqft.

4) Was as there any demo's to the house?

YES (NO)

If YES, when was it done? Please Explain.

5) Has there been any fire in the building?

YES (NO)

If YES, when did it happen? Please Explain.

6) Any pesticides/herbicides been applied around the building or in the yard?

YES (NO)

If YES, when was it applied? Please list the type of chemicals used.

7) Has there been any recent painting/staining done in the home?

YES NO

If YES, when, where and what type of paint/stain was used?

small samples in powder room

8) Has any work been done on the AC system since construction?

YES NO

If YES, please describe?

9) Are all the AC system components original?

YES NO

If NO, please describe?

10) What is the age of your refrigerator?

2006 years

downstairs old 1996 ~ garage.

11) Has any piping been replaced in the home?

YES NO

If YES, please describe?

2. Building Characteristics

1) Residential Type (Single/Multi-Family Building) If multi-family, how many units?

Single

2) Number of rooms

4 Beds, 2 ½ bath., 3 living + kitchen, office.

3) Above grade Construction

Wood Frame Concrete Stone Brick front Other hardyboard planks concrete

4) Basement

Full Crawlspace Slab Other _____

5) Foundation

Concrete Cinder Block Stone Other_____

6) Garage

YES NO

If YES, Attached Detached

If YES, Used for Car Parking? YES NO

If YES, Any gas-powered equipment or cans of gasoline/fuels stored?

YES NO

7) Type of HVAC System

_____

Make _____ HVAC Model _____ Condenser Model _____

8) Types of Fuel (circle all that apply)

bottom — Natural Gas Fuel Oil Kerosene Electric — upstairs

Propane Solar Wood Coal

9) Water Supply

Public Well Other _____

10) Sewage

Public Septic Leach Field Other _____

11) Attic

Finished Unfinished

3. Interior Characteristics

1) Any odors upon entering the building?

YES NO

If YES, describe _____

2) Fireplace

YES NO

3) Floors (circle all that apply)

Hardwood Carpet Ceramic Tile Vinyl Tile

Unfinished Wood Unfinished Concrete Other Slate tile

4) Walls (circle all that apply)

Wall Paper Paint Skim Coat Textured

Wood or Wood Paneling Other _____

5) Ceiling (circle all that apply)

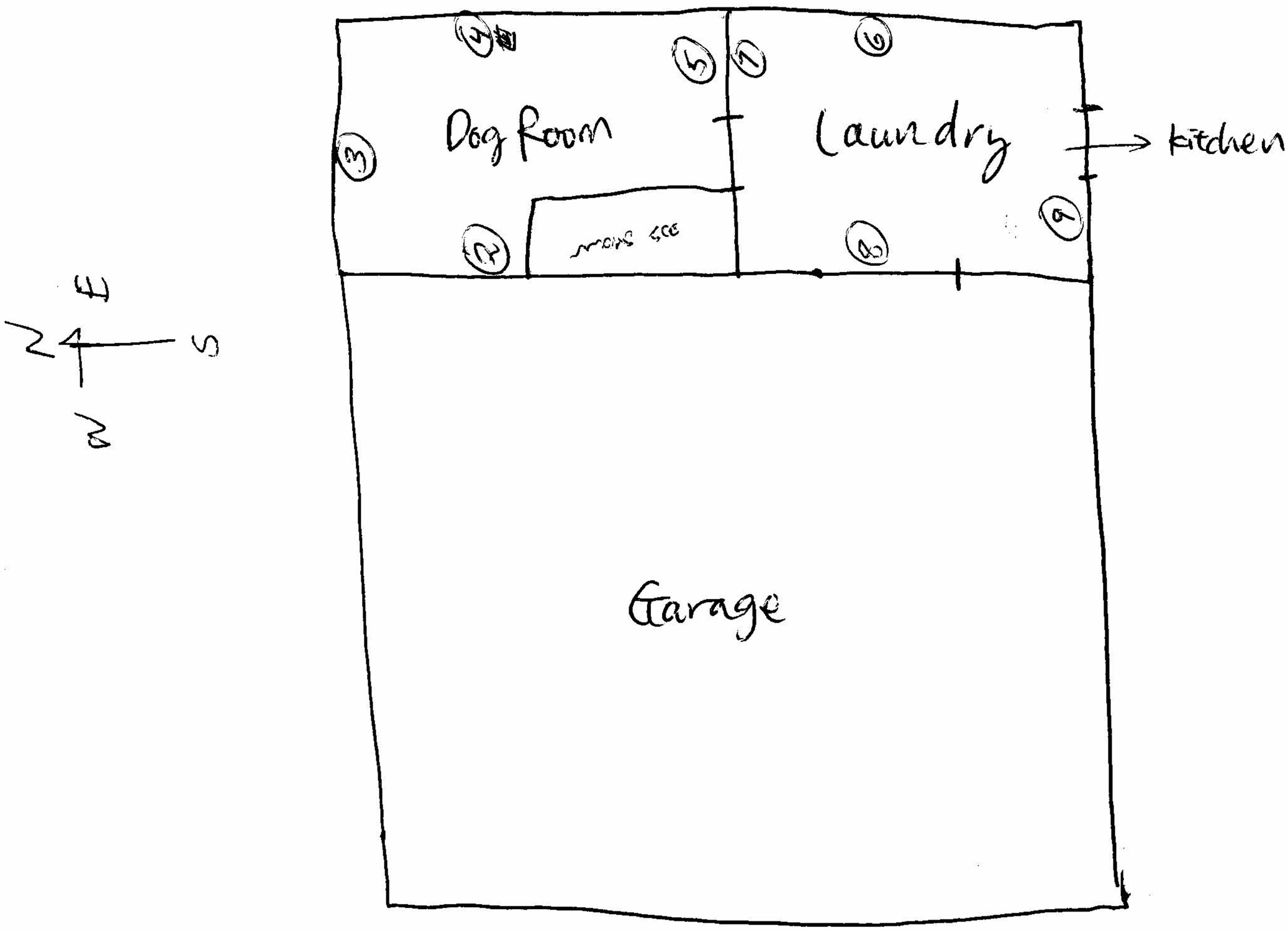
~~Wall Paper~~ Paint Skim Coat Textured

Wood or Wood Paneling Other _____

sunroom area

House Address [redacted] Page 1/4

VIRGINIA BEACH, VA



1st Floor

(4) CIRCLED NUMBERS CORRESPOND w/ XRF FIELD DATA LOCATION I.D'S

House Address (b)(6)

VIRGINIA BEACH, VA

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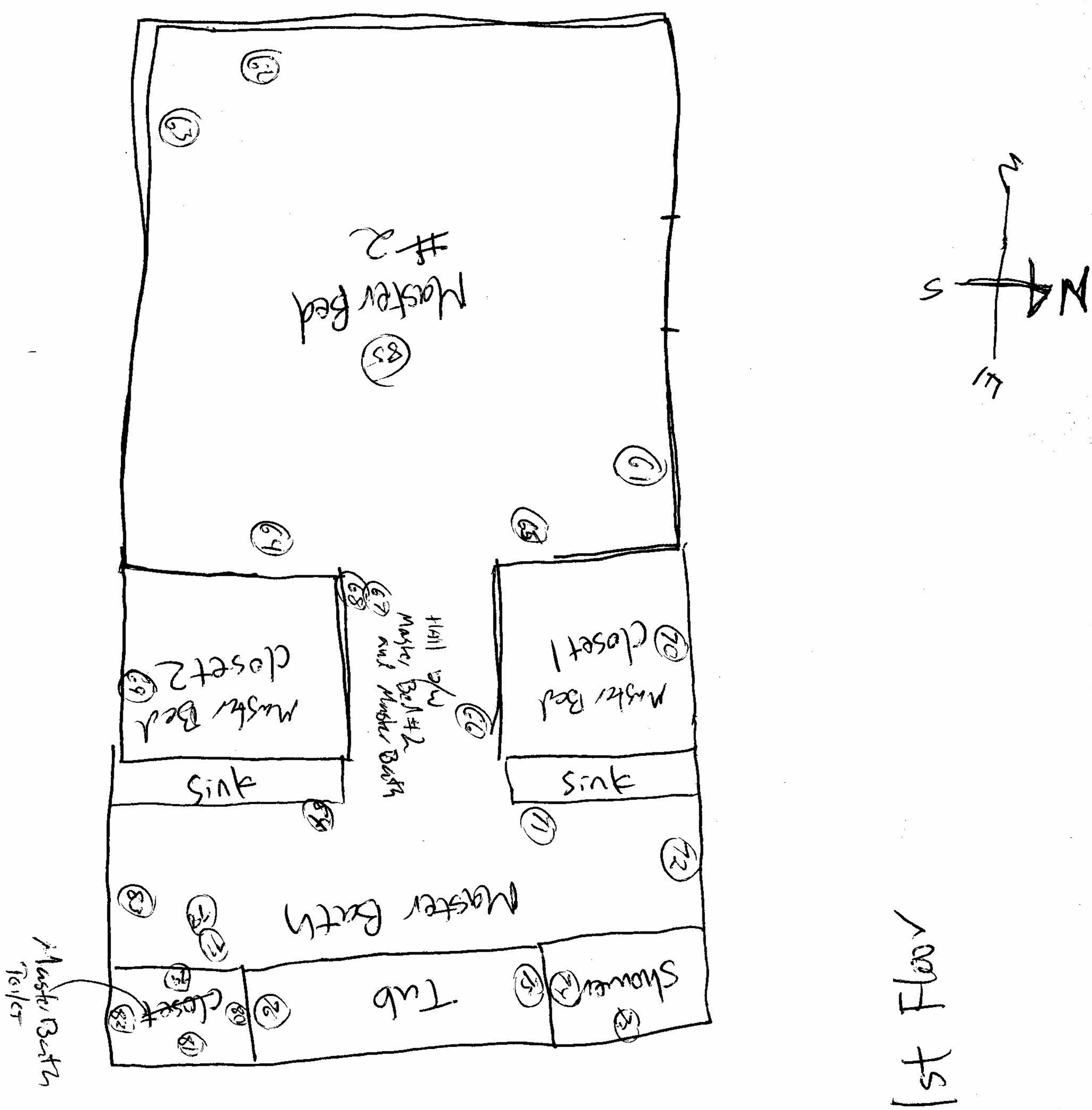

House Address (b)(6)

VIRGINIA BEACH, VA

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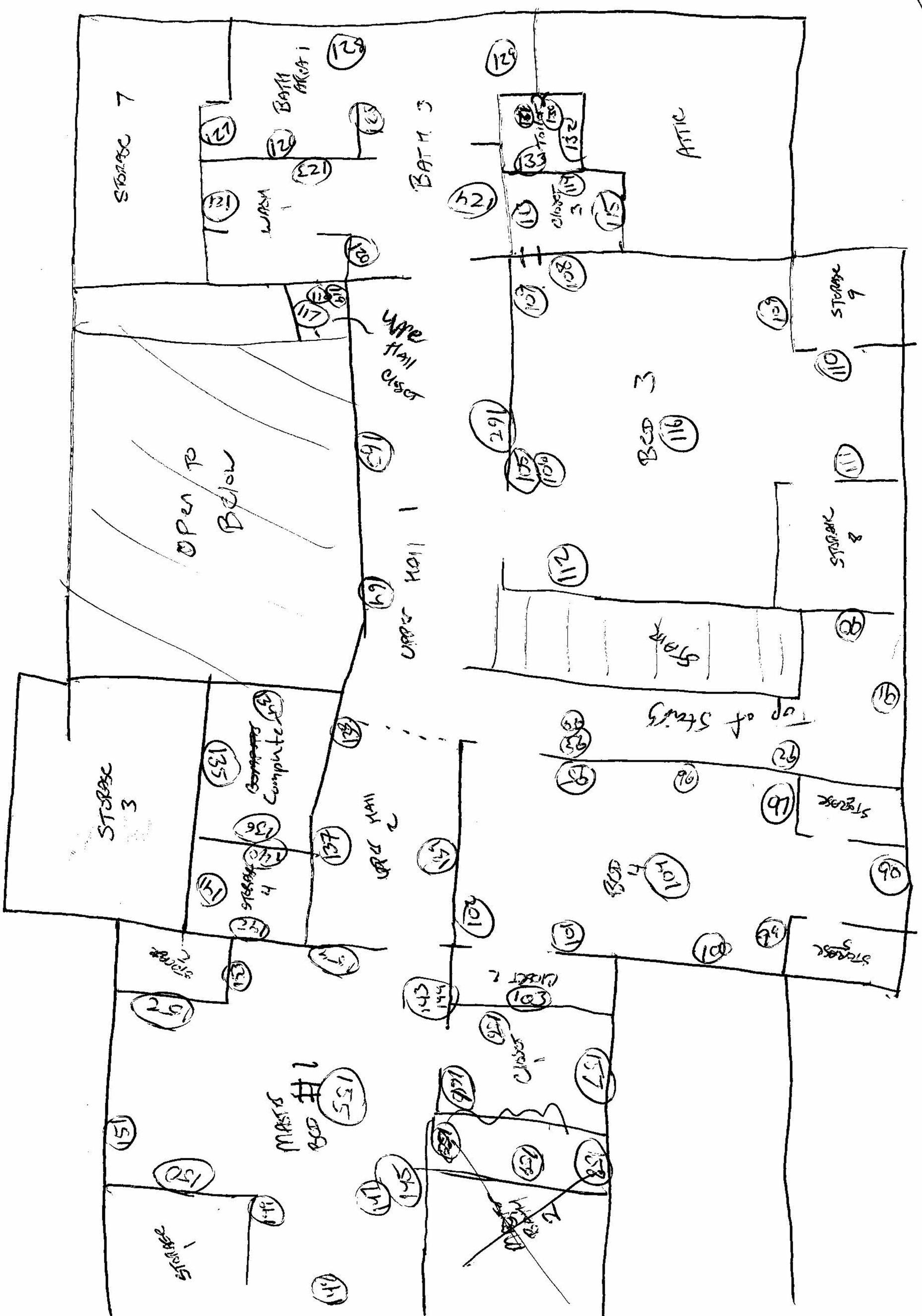
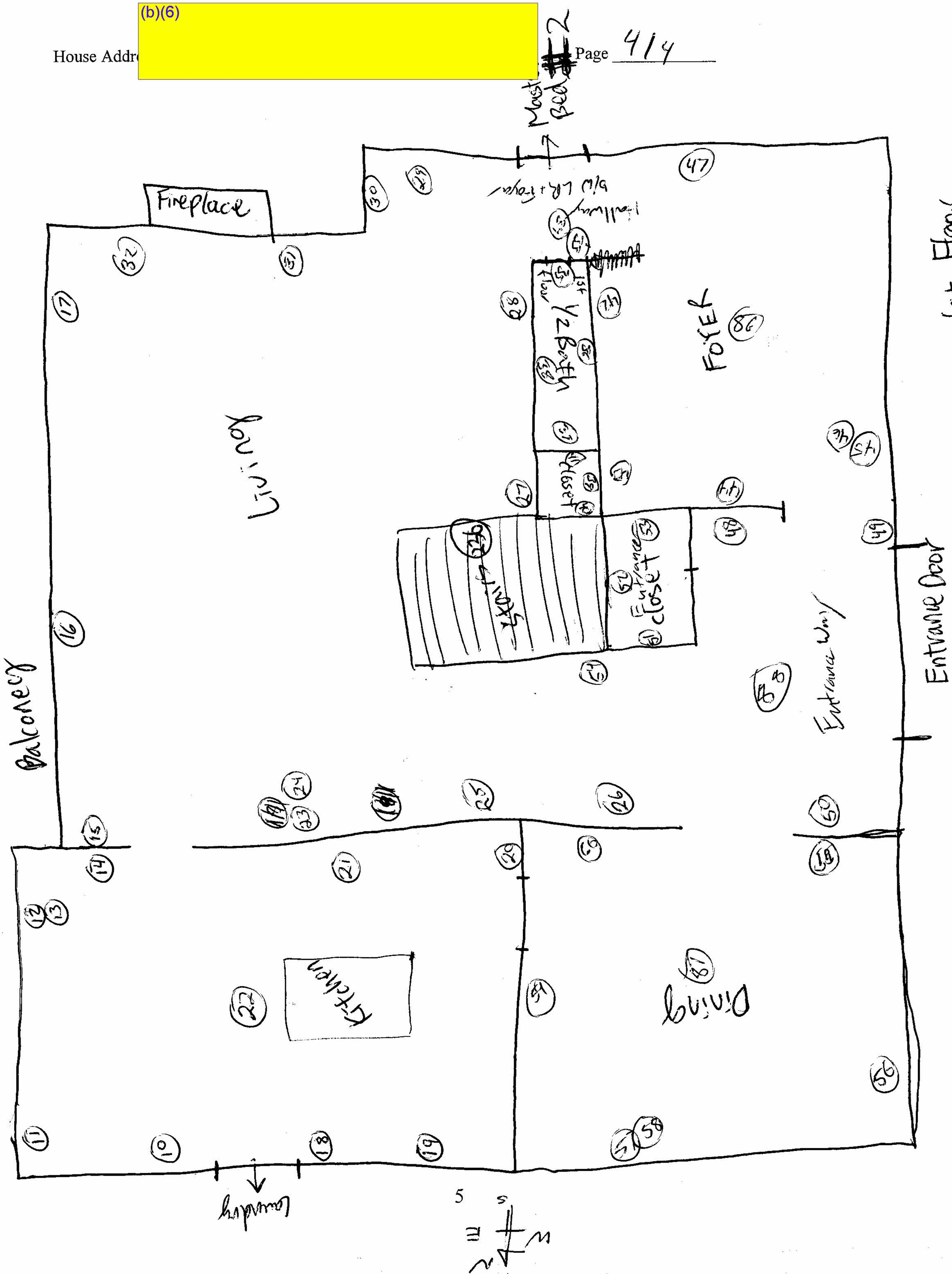


House Addr (b)(6) Page 4/4



VOC SAMPI FIELD DATA

Page __ f ____

Environmental Health & Engineering, Inc.
117 Fourth Avenue, Needham, MA 02494
TEL: (781) 247-4300
FAX: (781) 247-4305

Client: CDSC

Home Addres (b)(6)

Field Person(s): TXM, BRH, NSE.

Date: 09/01/09

Project#: 16512

SAMPLE ID	CANISTER ID	FLOW CONTROL ID	GAUGE ID	FLOOR	LOCATION	SAMPLE TYPE	GAUGE PRESSURE START	START TIME	GUAGE PRESSURE END	END TIME	NOTES
102826	AC 01424	FC 00330	AVG 01123	1	Living	S	100psi	9:30	0	11:30	
102827	AC 01627	FC 00204	AVG 00993	1	Living	D	↓	↓	↓	↓	
102828	AC 01101	FC 00306	AVG 01032	2	Master	S	↓	↓	↓	↓	
102829	AC 01347	FC 00215	AVG 00940	2	Bed 1	S	↓	↓	↓	↓	
102830	AC 01282	FC 00631	AVG 00663	G	Outdoor	S	↓	↓	↓	↓	

SAMPLE TYPES: S = Sample, D = Duplicate, FB = Field Blank, MB = Media Blank

ACTIVE SAM .E FIELD DATA

Environmental Health & Engineering, Inc.
117 Fourth Avenue, Needham, MA 02494
TEL: (781) 247-4300
FAX: (781) 247-4305

Client: CPSC

Home Address: (b)(6)

Field Person(s): NSE, BRM, TXM

Date: 09/02/01
Project#: 16512
ROTA ID #: R06

	SAMPLE ID	FLOOR	LOCATION	TARGET ANALYTE	SAMPLE TYPE	PUMP ID	ROTA READ START	START TIME	ROTA READ END	END TIME	SAMPLE DURATION (MINS)	NOTES
L	102721	1	Living	Organic	S	G16	0.51	9:14	.42		210	
L	102722	1	=		P	P 09811	0.49		.42		208	
M	102723	2	Master		S	P 08020	0.51		.49		212	
B	102724	2	Bed 3		S	P 02795	0.49		.46		216	
O	102725	G	Outdoor		S	G10	0.50		.38		205	
*	102726	L	Living		S	P 11949	0.51	9:22	—	5:30	—	fault pump
*	102727	L	=		D	G06	0.49		—	5:30	—	fault pump
*	102728	M	Master		S	P 07696	0.49		—	5:30	—	fault pump.
*	102729	B	Bed 3		S	15681	0.51		—	5:30	—	fault pump
FB	102730		Field Blank		FB							

SAMPLE TYPES: S = Sample, D = Duplicate, FB = Field Blank, MB = Media Blank

ACTIVE SAMPLE FIELD DATA

Environmental Health & Engineering, Inc.
117 Fourth Avenue, Needham, MA 02494
TEL: (781) 247-4300
FAX: (781) 247-4305

Client: CPSC

Home Address: (b)(6)

Field Person(s): [illegible]

Date: 09/02/09

Project#: 10512

ROTA ID #: R06

	SAMPLE ID	FLOOR	LOCATION	TARGET ANALYTE	SAMPLE TYPE	PUMP ID	ROTA READ START	START TIME	ROTA READ END	END TIME	SAMPLE DURATION (MINS)	NOTES
L	102731	1	Living	Inorganic	S	P 14320	0.49	9:14	.38		210	
L	102732	1	=		D	P 07439	0.49		.41		208	
M	102733	2	Master		S	P 11932	0.49		.43		212	
B	102734	2	Bed 3		S	P 05033	0.50		.46		218	
O	102735	G	Outdoor		S	P 04021	0.49		.43		205	✓ final count. total 490
L*	102736	1	Living		S	P 05341	0.49	9:22	0.45	5:30	145	PUMP FAILED @ 345 MINS. CHANGED TO PUMP B16
-*	102817	1	=		D	P 03711	0.51		—	5:30	—	CALIBRATED @ 0.49
M*	102818		Master		S	P 02337	0.51		0.49	5:30	490	
*												
FB	102825		Field Blank		FB							

SAMPLE TYPES: S = Sample, D = Duplicate, FB = Field Blank, MB = Media Blank

ACTIVE SAM..LE FIELD DATA

Environmental Health & Engineering, Inc.
117 Fourth Avenue, Needham, MA 02494
TEL: (781) 247-4300
FAX: (781) 247-4305

Client: CPSC

Home Address (b)(6) ...IA BEACH VA

Field Person(s): TXM, BRH, NSE

Date: 9-2

Project#: 16512

ROTA ID #: R06

	SAMPLE ID	FLOOR	LOCATION	TARGET ANALYTE	SAMPLE TYPE	PUMP ID	ROTA READ START	START TIME	ROTA READ END	END TIME	SAMPLE DURATION (MINS)	NOTES
V	102819	1	Living	Aldehyde	S	09812	0.51	9:14	.48		210	Found tube on ground
V	102820	1	"		D	8431	0.50		.47		208	
M	102821	2	Master		S	11946	0.50		.46		212	
B	102822	2	~~Master~~ Bed 3		S	602	0.51		.51		215	
O	102823	G	Outdoor		S	02331	0.51		.41		205	Found Tube on ground ~~Aft~~ put back @ 10:55
FB	102824		Field Blank.		FB		0.49					

SAMPLE TYPES: S = Sample, D = Duplicate, FB = Field Blank, MB = Media Blank

~~PASSIVE~~ SAMPLE FIELD DATA

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Environmental Health & Engineering, Inc.
117 Fourth Avenue, Needham, MA 02494
TEL: (781) 247-4300
FAX: (781) 247-4305

Client: CPSC

Home Address: (b)(6)

Field Person(s): TXM, BRH, NSE

Date: 9-2-09

Project#: 16512

SAMPLE ID	FLOOR	LOCATION	TARGET ANALYTE	SAMPLE TYPE	START DATE	START TIME	END DATE	END TIME	NOTES
102772	1	LIVING ROOM	Red Sulfur	S	~~9/10~~ 9/2	5:50			
102773	1	" "	↓	D	9/2	↓			
102774	B	OUTSIDE	↓	S	9/2	↓			
102775	2	Bed 3	↓	S	↓	↓			
102776	2	Master	↓	S	↓	↓			

SAMPLE TYPES: S = Sample, D = Duplicate, FB = Field Blank, MB = Media Blank

XRF SCAN FIELD DATA

Environmental Health & Engineering, Inc.
117 Fourth Avenue, Needham, MA 02494
TEL: (781) 247-4300
FAX: (781) 247-4305

Client: CPSC

Home Address: (b)(6)

Field Person(s): TXM, BRH, NSE

Date: 01/02/09
Project#: 16512

XRF Serial #: 10755
XRF Scan Time 20SEC

LOCATION ID	FLOOR	LOCATION	WALL COOR.	SAMPLE LOCATION	SURFACE TYPE	Wall ID	SAMPLE TYPE	SAMPLE SIZE	TIME	XRF Reading	NOTES
2	1	Dog Room	W	2'	PAINTED	W	S		10:10	373	
3	1	"	N	6'	"	N	S		10:11	403	
4	1	"	E	2'	"	E	S		10:12	326	
5	1	"	S	6'	"	S	S		10:13	354	
6	1	LAUNDRY	E	6'	"	E	S		10:14	352	
7	1	"	N	4' OUTLET	"	N	S		10:15	404	BULK SAMPLE
8	1	"	W	6'	"	W	S		10:16	387	
9	1	"	S	2'	"	S	S		10:16	350	
10	1	KITCHEN	N	6'	"	N	S		10:17	227	
11	1	"	E	6'	"	E	S		10:18	317	
12	1	"	E	18"	"	E	S		10:19	418	BULK SAMPLE
13	1	"	E	18"	"	E	D		10:20	432	~~BULK SAMPLE~~
14	1	"	S	2'	"	S	S		10:21	430	
15	1	LIVING ROOM	N	18"	"	E	S		10:21	386	BULK SAMPLE
16	1	"		6'	"	E	S		10:23	193	
17	1	"	E	1'	"	E	S		10:23	411	
18	1	KITCHEN	N	4'	"	N	S		10:24	354	BULK SAMPLE
19	1	"	N	4'	"	N	S		10:28	304	
20	1	"	W	4'	"	W	S		10:29	359	BULK SAMPLE

SAMPLE TYPES: S = Sample, D = Duplicate, FB = Field Blank, MB = Media Blank

XRF SCAN FIELD DATA

See Retest PAGE 10

Environmental Health & Engineering, Inc.
117 Fourth Avenue, Needham, MA 02494
TEL: (781) 247-4300
FAX: (781) 247-4305

Client: CPSC

Home Address: (b)(6) VIRGINIA BEACH VA

Field Person(s): TXM BRH NSE

Date: 9-2-04
Project#: 16572

XRF Serial #: 10755
XRF Scan Time 20 SEC

LOCATION ID	FLOOR	LOCATION	WALL COOR.	SAMPLE LOCATION	SURFACE TYPE	Wall ID	SAMPLE TYPE	SAMPLE SIZE	TIME	XRF Reading	NOTES
21	1	KITCHEN	S	4'	PAINTED	S	S		10:30	335	
22	~~PA~~ 1	"	Ceiling	Ceiling	"	Ceiling	S		10:31	262	
~~23~~	~~1~~	~~Living~~	~~N~~	~~18"~~	~~"~~	~~N~~	~~S~~		~~10:33~~	~~ND~~	~~BLK SAMPLE~~ Invalid
24	1	"	N	18"	"	N	D		10:34	ND	
25	1	"	N	6'	"	N	S		10:35	ND	
26	1	"	N	2'	"	N	S		10:36	ND	
27	1	"	W	6'	"	W	S		10:37	17	
28	1	"	W	4' SWITCH	"	W	S		10:38	12	BULK SAMPLE
29	1	"	S	2'	"	S	S		10:39	16	
30	1	"	E	6'	"	E	S		10:40	14	
31	1	"	S	2'	WOOD	S	S		10:40	ND	
32	1	"	S	4'	WOOD	S	S		10:41	ND	
33	1	HALL B/W LIVING & FOYER	N	4' switch	PAINTED	N	S		10:42	31	BULK SAMPLE
34	1	"	N	4'	"	N	D		10:43	18	
35	1	1ST FLOOR ½ BATH	S	6'	"	S	S		10:44	14	
36	1	"	W	2'	"	W	S		10:44	ND	
37	1	"	N	4'	"	N	S		10:45	18	BULK SAMPLE
38	1	"	E	6'	"	E	S		10:46	15	
39	1	½ BATH CLOSET	W	2'		W	S		10:47	16	

SAMPLE TYPES: S = Sample, D = Duplicate, FB = Field Blank, MB = Media Blank

* LOW READINGS - RE TESTED

XRF SCA[illegible] FIELD DATA

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Environmental Health & Engineering, Inc.
117 Fourth Avenue, Needham, MA 02494
TEL: (781) 247-4300
FAX: (781) 247-4305

SEE RETEST PAGE 11

Client: CPSC

Date: 9-2-09

Project#: 16512

Home Address (b)(6) [redacted] [illegible]NIA BEACH, VA

XRF Serial #: 10755

Field Person(s): TXM NSE BRH

Invalid

XRF Scan Time 20 sec

LOCATION ID	FLOOR	LOCATION	WALL COOR.	SAMPLE LOCATION	SURFACE TYPE	Wall ID	SAMPLE TYPE	SAMPLE SIZE	TIME	XRF Reading	NOTES
40	1	1/2 BATH CLOSET	N	6'	PAINTED	N	S		10:48	15	
41	1	" "	E	4'	"	E	S		10:49	19	
42	1	" FOYER	E	6'	"	E	S		10:50	27	
43	1	"	E	2'	"	E	S		10:52	21	
44	1	"	N	6'	"	N	S		10:52	12	
45	1	"	W	2'	"	W	S		10:53	25	
46	1	"	W	2'	"	W	D		10:54	18	
47	1	"	S	18" outlet	"	S	S		10:55	17	BULK SAMPLE
48	1	ENTRANCE WAY	S	4' switch	"	S	S		10:57	22	BULK SAMPLE
49	1	"	W	6'	"	W	S		10:58	ND	
50	1	"	N	2'	"	N	S		10:58	16	
51	1	ENTRANCE CLOSET	N	6'	"	N	S		10:59	12	
52	1	"	E	6'	"	E	S		11:00	12	
53	1	"	S	2'	"	S	S		11:01	25	
54	1	ENTRANCE WAY	S	2'	"	S	S		11:02	13	
55	1	DINING	S	6'	"	S	S		11:03	19	
56	1	"	W	2'	"	W	S		11:04	20	
57	1	"	N	6'	"	N	S		11:04	22	
58	1	"	N	6'	"	N	D		11:05	19	

SAMPLE TYPES: S = Sample, D = Duplicate, FB = Field Blank, MB = Media Blank

LOW READINGS - RETESTED

XRF SCAN FIELD DATA

SEE REPORT PAGE 13

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pg 4/14

Environmental Health & Engineering, Inc.
117 Fourth Avenue, Needham, MA 02494
TEL: (781) 247-4300
FAX: (781) 247-4305

Client: CPSC

Home Address: (b)(6) GINIA BEACH, VA

Field Person(s): TXM, NSE, BRM

Invalid

Date: 9-2-09
Project#: 10512

XRF Serial #: 10755
XRF Scan Time 20 sec

LOCATION ID	FLOOR	LOCATION	WALL COOR.	SAMPLE LOCATION	SURFACE TYPE	Wall ID	SAMPLE TYPE	SAMPLE SIZE	TIME	XRF Reading	NOTES
59	1	DINING	E	2'	PAINTED	E	S		11:06	22	
60	1	"	S	6'	"	S	S		11:07	16	
61	1	MASTER BED 2	N	6'	"	N	S		11:08	20	
62	1	"	W	2'	"	W	S		11:09	19	
63	1	"	S	6'	"	S	S		11:09	17	
64	1	"	E	4' SWITCH	"	E	S		11:10	24	BULK SAMPLE #
65	1	"	E	6'	"	E	S		11:11	22	
66	1	HALL B/W MAST BED 2 & MAST BATH	N	2'	"	N	S		11:12	22	
67	1	"	S	6'	"	S	S		11:13	17	
68	1	"	S	6'	"	S	D		11:13	15	
69	1	MASTER BED 2 CLOSET 2	S	5'	"	S	S		11:14	13	
70	1	MASTER BED 2 CLOSET 1	N	6'	"	N	S		11:17	18	
71	1	MASTER BATH 1ST FLOOR	W	4'	"	W	S		11:18	22	BULK SAMPLE #
72	1	" "	N	6'	"	N	S		11:19	25	
73	1	" "	E	7'	"	E	S		11:19	15	
74	1	" "	S	6'	"	S	S		11:20	25	
75	1	" "	N	2'	"	N	S		11:21	22	
76	1	" "	S	6'	"	S	S		11:22	13	
77	1	" "	E	2'	"	E	S		11:23	25	

SAMPLE TYPES: S = Sample, D = Duplicate, FB = Field Blank, MB = Media Blank

LOW READINGS RETESTED

XRF SCAN FIELD DATA

Page _ of ____

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Environmental Health & Engineering, Inc.
117 Fourth Avenue, Needham, MA 02494
TEL: (781) 247-4300
FAX: (781) 247-4305

SEE RETEST PAGE 14

Client: CPSC

Home Address: (b)(6)

Field Person(s): TXM NSE BRM

Date: 9-2-09
Project#: 16512

XRF Serial #: 10755
XRF Scan Time 20 sec

LOCATION ID	FLOOR	LOCATION	WALL COOR.	SAMPLE LOCATION	SURFACE TYPE	Wall ID	SAMPLE TYPE	SAMPLE SIZE	TIME	XRF Reading	NOTES
78	1		E	2'	PAINTED	E	D		11:23	19	
79	1	MASTER BATH 2 - TOILET	W	4' SWITCH	"	W	S		11:24	20	
80	1	" "	N	6'	"	N	S		11:25	24	
81	1	"	E	2'	"	E	S		11:26	15	
82	1	"	S	6'	"	S	S		11:27	22	
83	1	MASTER BATH	S	2'	"	S	S		11:28	18	
84	1	" "	W	6'	"	W	S		11:29	15	
85	1	MASTER BED 2	—	Ceiling	"	—	S		11:31	22	
86	1	FOYER Ceiling	—	"	"	—	S		11:34	28	Invalid
87	1	DINING Ceiling	—	Ceiling	"	—	S		11:35	27	
~~88~~	~~1~~	~~ENTRANCE ceiling~~	~~—~~	~~ceiling~~	~~"~~	~~—~~	~~S~~		~~11:35~~	~~20~~	
90	2	TOP OF STAIRS	S	6'	"	S	S		11:41	363	
91	2	" " "	W	18" OUTLET	"	W	S		11:42	340	BULK SAMPLE
92	2	" "	N	6'	"	N	S		11:43	369	
93	2	" "	N	4'	"	N	S		11:44	305	BULK SAMPLE
94	2	" "	N	4'	"	N	D		11:45	302	
95	2	BED 4	S	4'	"	S	S		11:51	351	
96	2	" "	S	2'	"	S	S		11:52	294	
97	2	" "	W	18"	"	W	S		11:53	416	BULK SAMPLE

SAMPLE TYPES: S = Sample, D = Duplicate, FB = Field Blank, MB = Media Blank

* LOW READINGS RETESTED

XRF SCA[illegible] [illegible]IELD DATA

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Environmental Health & Engineering, Inc.
117 Fourth Avenue, Needham, MA 02494
TEL: (781) 247-4300
FAX: (781) 247-4305

Client: CPSC

Home Address: (b)(6) [redacted] [illegible]INIA BEACH, VA

Field Person(s): TXM, BRH, NSE

Date: 9-2-09
Project#: 16512
XRF Serial #: 10755
XRF Scan Time 20 SEC

LOCATION ID	FLOOR	LOCATION	WALL COOR.	SAMPLE LOCATION	SURFACE TYPE	Wall ID	SAMPLE TYPE	SAMPLE SIZE	TIME	XRF Reading	NOTES
98	2	BED 4	W	18" OUTLET	PAINTED	W	S		11:54	437	BULK SAMPLE
99	2	"	W	6'	"	W	S		11:56	384	
100	2	"	N	2'	"	N	S		11:57	375	
101	2	"	N	4' SWITCH	"	N	S		11:57	343	
102	2	"	E	2'	"	E	S		11:58	390	
103	2	BED 4 CLOSET 2	N	6'	"	N	S		11:59	402	
104	2	BED 4 —	—	Ceiling	"	—	S		12:04	369	
105	2	BED 3	E	4'	"	E	S		12:04	317	
106	2	" "	E	4'	"	E	D		12:05	300	
107	2	" "	E	6'	"	E	S		12:06	337	
108	2	" "	S	4' SWITCH	"	S	S		12:07	331	
109	2	" "	W	2'	"	W	S		12:07	356	
110	2	" "	S	6'	"	S	S		12:08	353	
111	2	" "	N	2'	"	N	S		12:09	374	
112	2	" "	N	6'	"	N	S		12:10	339	
113	2	BED 3 CLOSET 3	E	2'	"	E	S		12:11	377	
114	2	" "	S	2'	"	S	S		12:12	437	
115	2	" "	W	6'	"	W	S		12:13	465	
116	2	BED 3	—	Ceiling	"	—	S		12:13	376	

SAMPLE TYPES: S = Sample, D = Duplicate, FB = Field Blank, MB = Media Blank

XRF SCA[illegible] FIELD DATA

Page _ of ____

Environmental Health & Engineering, Inc.
117 Fourth Avenue, Needham, MA 02494
TEL: (781) 247-4300
FAX: (781) 247-4305

7/14

Client: CPSC

Home Address: (b)(6) [redacted] VIRGINIA BEACH, VA

Field Person(s): TXM BRH NSE

Date: 9-2-09
Project#: 16512
XRF Serial #: 10755
XRF Scan Time 20 sec

LOCATION ID	FLOOR	LOCATION	WALL COOR.	SAMPLE LOCATION	SURFACE TYPE	Wall ID	SAMPLE TYPE	SAMPLE SIZE	TIME	XRF Reading	NOTES
117	2	UPPER HALL CLOSET	N	6'	PAINTED	N	S		12:15	401	
118	2	" " "	S	6'	"	S	S		12:15	414	
119	2	" " "	S	6'	"	S	D		12:16	354	
120	2	BATH 3	E	4'	"	E	S		12:17	263	
121	2	" WASH 1	E	6'	"	E	S		12:18	392	
122	2	"	E	4'	"	E	S		12:19	364	BULK SAMPLE
123	2	"	S	6'	"	S	S		12:19	375	
124	2	"	W	2'	"	W	S		12:20	359	
125	2	BATH 3	N	4'	"	N	S		12:21	423	
126	2	BATH AREA 1	N	6'	"	N	S		12:22	292	
127	2	"	E	2'	"	E	S		12:22	411	
128	2	"	S	6'	"	S	S		12:23	355	
129	2	BATH 3	W	2'	"	W	S		12:24	386	
130	2	TOILET 2	S	6'	"	S	S		12:25	403	
131	2	"	S	6'	"	S	D		12:25	376	
132	2	"	W	2'	"	W	S		12:26	379	
133	2	"	N	6'	"	N	S		12:27	361	
134	2	COMPUTER	S	2'	"	S	S		12:28	402	
135	2	"	E	6'	"	E	S		12:29	403	

SAMPLE TYPES: S = Sample, D = Duplicate, FB = Field Blank, MB = Media Blank

XRF SCAN FIELD DATA

99/8/14

Environmental Health & Engineering, Inc.
117 Fourth Avenue, Needham, MA 02494
TEL: (781) 247-4300
FAX: (781) 247-4305

Client: CBC

Home Address: (b)(6) RGINIA BEACH VA

Field Person(s): TXM, BKM, NSE

Date: 9-2-09
Project#: 16512

XRF Serial #: 10755
XRF Scan Time 20 secs

LOCATION ID	FLOOR	LOCATION	WALL COOR.	SAMPLE LOCATION	SURFACE TYPE	Wall ID	SAMPLE TYPE	SAMPLE SIZE	TIME	XRF Reading	NOTES
136	2	COMPUTER	N	2"	PAINTED	N	S		12:30	439	
137	2	UPPER HALL 2	E	4'	"	E	S		12:30	334	BULK SAMPLE
138	2	"	E	4'	"	E	S		12:31	401	BULK SAMPLE
139	2	"	W	6'	"	W	S		12:32	363	
140	2	STORAGE 4	S	6'	"	S	S		12:33	413	
141	2	"	E	4' outlet	"	E	S		12:34	431	BULK SAMPLE
142	2	"	N	2'	"	N	S		12:36	391	
143	2	MASTER BED # 1	W	18"	"	W	S		12:37	338	BULK SAMPLE
144	2	" "	W	18"	"	W	D		12:38	348	
145	2	" "	W	6'	"	W	S		12:40	156	
147	2	" "	W	6'	"	W	D		12:42	244	
148	2	" "	N	4'	"	N	S		12:43	358	BULK SAMPLE
149	2	" "	E	2'	"	E	S		12:44	285	
150	2	" "	N	6'	"	N	S		12:45	390	
151	2	" "	E	2'	"	E	S		12:45	335	
152	2	" "	S	6'	"	E	S		12:46	408	
153	2	" "	E	2'	"	E	S		12:47	375	
154	2	" "	S	4' SWITCH	"	S	S		12:48	371	
155	2	" "	—	Ceiling	"	—	S		12:48	192	

SAMPLE TYPES: S = Sample, D = Duplicate, FB = Field Blank, MB = Media Blank

XRF SCA[illegible]IELD DATA

Page _ of ____

pg 9/14

Environmental Health & Engineering, Inc.
117 Fourth Avenue, Needham, MA 02494
TEL: (781) 247-4300
FAX: (781) 247-4305

Client: CPSC

Home Address: (b)(6) [redacted] VIRGINIA BEACH, VA

Field Person(s): TXM, BRH, NSE

Date: 9-2-09
Project#: 16512
XRF Serial #: 10755
XRF Scan Time 20 sec

LOCATION ID	FLOOR	LOCATION	WALL COOR.	SAMPLE LOCATION	SURFACE TYPE	Wall ID	SAMPLE TYPE	SAMPLE SIZE	TIME	XRF Reading	NOTES
156	2	MASTER BED 1 CLOSET 1	S	6'	PAINTED	S	S		12:49	422	
157	2	"	W	2'	"	W	S		12:50	367	
158	2	"	W	4'	"	W	S		12:51	453	
159	2	"	N	6'	"	N	S		12:52	401	
160	2	"	E	2'	"	E	S		12:52	387	
161	2	"	E	4'	"	E	S		12:53	381	
162	2	UPPER HALL 1	W	18"	"	W	S		12:55	402	BULK SAMPLE
163	2	" "	E	2'	"	E	S		12:56	330	
164	2	" "	E	2'	"	E	S		12:57	317	
165	2	"	—	Ceiling	"	—	S		12:57	376	
233	2	Girl's Bed 3	S	18"	=	S	S		4:15	404	
236		Stairs (midway)	S	4'	=	S	S		4:30	338	

SAMPLE TYPES: S = Sample, D = Duplicate, FB = Field Blank, MB = Media Blank

Environmental Health & Engineering, Inc.
117 Fourth Avenue, Needham, MA 02494
TEL: (781) 247-4300
FAX: (781) 247-4305

XRF SCAN FIELD DATA

Retest

10/14

Client: CPSC

Home Address: (b)(6)

Field Person(s): TXM BRM NSE

Date: 9/2/09
Project#: 16512

XRF Serial #: 10755
XRF Scan Time 20 sec

	LOCATION ID	FLOOR	LOCATION	WALL COOR.	SAMPLE LOCATION	SURFACE TYPE	Wall ID	SAMPLE TYPE	SAMPLE SIZE	TIME	XRF Reading	NOTES
23	167	1	Living	N	14"	Painted	N	S		2:59	273	Bulk sample
24	168		"	"	"	"	"	D		2:59	287	
25	169		"	"	2'	"	"	S		3:01	282	
26	25/170		"	N	6'	"	N	S		3:02	268	
27	171		"	W	6'	"	W	S		3:04	368	~~Switch~~
28	172		"	"	4'	"	"	S		3:05	344	Switch, Bulk Sample
29	173									3:07	9	
30												
29	174		"	S	2'	"	S	S		3:10	356	
30	175		"	E	6'	"	E	S		3:10	324	
31	176		"	S	2'	Wood	S	S		3:12	15	
32	177		"	S	4'	"	S	S		3:12	18	
33	178		Hall B/W Living + Foyer	N	4'	Painted	N	S		3:17	370	Switch, Bulk sample
34	179		"	N	4'	"	"	D		3:17	361	
35	180		1st Floor ½ Bath	S	6'	"	S	S		3:22	309	
36	181		"	W	2'	"	W	S		3:22	303	
37	182		"	N	4'	"	N	S		3:22	360	
38	183		"	E	6'	"	E	S		3:22	~~370~~	310
39	184		½ Bath Closet	W	2'	"	W	S		3:25	452	

SAMPLE TYPES: S = Sample, D = Duplicate, FB = Field Blank, MB = Media Blank

XRF SCAN FIELD DATA

RE-TEST

Page _ of ____

09/11/14

Environmental Health & Engineering, Inc.
117 Fourth Avenue, Needham, MA 02494
TEL: (781) 247-4300
FAX: (781) 247-4305

Client: CPSC

Home Address: (b)(6) VIRGINIA BEACH, VA

Field Person(s): TXM, BRM, NSE

Date: 9-2-09
Project#: 16512

XRF Serial #: 10755
XRF Scan Time 20 sec

	LOCATION ID	FLOOR	LOCATION	WALL COOR.	SAMPLE LOCATION	SURFACE TYPE	Wall ID	SAMPLE TYPE	SAMPLE SIZE	TIME	XRF Reading	NOTES
40	[redacted]185	I	½ Bath Closet	N	6'	Painted	N	S		3:25	451	
41	[redacted]186		"	E	4'		E	S		3:25	387	
42	187		Foyer	E	6'		E	S				
43	188		"	E	2'		E	S				
44	189		"	N	6'		N	S				
45	190		"	W	2'		W	S				
46	191		"	W	2'		W	D				
47	192		"	S	18"		S	S				Outlet Bulk sample
48	193		Entrance Way	S	4'		S	S				Switch Bulk Sample
49	194		"	W	6'		W	S				
50	195		"	N	2'		N	S				
51	196		Entrance Closet	N	6'		N	S				
52	197		"	E	6'		E	S				
53	198		"	S	2'		S	S				
54	199		Entrance Way	S	2'		S	S				
55	200		Dining	S	6'		S	S				
56	201		"	W	2'		W	S				
57	202		"	N	6'		N	S				
58	203		"	N	4'		N	D				

SAMPLE TYPES: S = Sample, D = Duplicate, FB = Field Blank, MB = Media Blank

XRF SCA[illegible] FIELD DATA

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RETEST

Pg 13/14
↳ NO PAGE 12 OOPS!!

Environmental Health & Engineering, Inc.
117 Fourth Avenue, Needham, MA 02494
TEL: (781) 247-4300
FAX: (781) 247-4305

Client: CPSC

Home Address: (b)(6) [redacted] RGINIA BEACH, VA

Field Person(s): [illegible]

Date: 9-2-09
Project#: 16512

XRF Serial #: 10755
XRF Scan Time: 20 sec

	LOCATION ID	FLOOR	LOCATION	WALL COOR.	SAMPLE LOCATION	SURFACE TYPE	Wall ID	Wall ID ~~SAMPLE TYPE~~	Sample ~~SAMPLE SIZE~~ Type	TIME	XRF Reading	NOTES
59	204	1	Dining	E	2'	Painted		E	S			
60	205		"	S	6'			S	S			
61	206		Master Bed 2	N	6'			N	S			
62	207		"	W	2'			W	S			
63	208		"	S	6'			S	S			
64	209		"	E	4'			E	S			Switch, Bulk Sample
65	210		"	E	6'			E	S			
66	211		Hall B/W Mast-Bed 2 + Mast Bath	N	2'			N	S			
67	212		"	S	6'			S	S			
68	213		"	S	6'			S	D			
69	214		Master Bed 2 Closet 2	S	5'			S	S			
70	215		Master Bed 2 Closet 1	N	6'			N	S			
71	217		Master Bath	W	4'			W	S			Switch, Bulk Sample
72	218		"	N	6'			N	S			
73	219		"	E	7'			E	S			
74	220		"	S	6'			S	S			
75	221		"	N	2'			N	S			
76	222		"	S	6'			S	S			
77	223		"	E	2'			E	S			

SAMPLE TYPES: S = Sample, D = Duplicate, FB = Field Blank, MB = Media Blank

XRF SCAN FIELD DATA

Page ___ of ___

Retest

pg 14/14

Environmental Health & Engineering, Inc.
117 Fourth Avenue, Needham, MA 02494
TEL: (781) 247-4300
FAX: (781) 247-4305

Client: CPSC

Home Address: (b)(6) [redacted] RGINA BEACH VA

Field Person(s): TXM BRH NSE

Date: 9-2-09
Project#: 16512

XRF Serial #: 10755
XRF Scan Time 20 sec

	LOCATION ID	FLOOR	LOCATION	WALL COOR.	SAMPLE LOCATION	SURFACE TYPE	Wall ID	SAMPLE TYPE	SAMPLE SIZE	TIME	XRF Reading	NOTES
78	224	1	Master Bath	E	2'	Painted	E	D				
79	225		Master Bath toilet	W	4'		W	S				switch
80	226		"	N	6'		N	S				
81	227		"	E	2'		E	S				
82	228		"	S	6'		S	S				
83	229		Master Bath	S	2'		S	S				
84	230		"	W	6'		W	S				
85	231		Master Bed 2	–	Ceiling		–	S				
86	232		Foyer Ceiling	–	"		–	S				
87	234		Dining Ceiling	–	"		–	S				
88	235		Entrance Ceiling	–	"		–	S				

SAMPLE TYPES: S = Sample, D = Duplicate, FB = Field Blank, MB = Media Blank

VISUAL CORROSION INSPECTION FIELD DATA

Environmental Health & Engineering, Inc.
117 Fourth Avenue, Needham, MA 02494
TEL: (781) 247-4300
FAX: (781) 247-4305

Client: CPSC

Date: 9-2

Home Address: (b)(6) VIRGINIA BEACH, VA

Project#: 16512

Field Person(s): TXM, BRH, NSE

on Brad's camera

LOCATION ID Same as XRF	FLOOR	LOCATION	WALL COOR.	SAMPLE LOCATION	CORROSION RATING	Photo # NOTES
18	1	Kitchen	N		1	195
20	↓	↓	W		1	196
12		↓	E		Can't tell	197-199 Paint covered ground wire
7		Laundry Room	N		1	200
~~48~~ 193		Entrance Way	S		1	201/202
~~23~~ 167		Great Room	N		1	203
15		↓	N		1	204
~~28~~ 172		↓	W		1	205
~~47~~ 192		Foyer	S		1	206/207
~~64~~ 209		Master Bedroom 2	E		1	208
~~37~~ 2		½ Bath	N		1	209
~~33~~ 178		Hall b/w Living + Master	N		1	210/211 hard to see in photo wire came off screw
~~71~~ 217	↓	Master Bath	W		1	212
91	2	Upstairs hall	W		1	213
93		"	N		1	214
97		Guest Bedroom	W		1	215
98		"	W		1	216/217
162		Upstairs hall	W		1	218/219
137		↓	E		1	220/221 Wire is coated in paint but visible section has no corrosion
138		↓	E		1	222/223
141		Hall closet	E		1	224
144		Master Bedroom	W		1	225/226
148		"	N		1	227
122 ~~[illegible]~~		Upstairs bathroom	S		1	228
		Girls Room	S		1	229

CORROSION RATING: 0 = No Grounding Wire, 1 = No Corrosion, 2 = Some Corrosion, 3 = Heavy Corrosion

BULK SAMPLE FIELD DATA

Environmental Health & Engineering, Inc.
117 Fourth Avenue, Needham, MA 02494
TEL: (781) 247-4300
FAX: (781) 247-4305

Client: CPSC (b)(6) Date: 9-2-09

Home Address: GINIA BEACH, VA Project#: 16512

Field Person(s): Tym, NSE, BRH

SAMPLE ID	FLOOR	LOCATION	WALL COOR.	LOCATION ID (SAME AS XRF LOG)	NOTES
102922	1	1ST FLOOR ½ BATH	N	~~27~~ 182 SWITCH	
102923	1	FOYER	S	~~47~~ 192 OUTLET	
102924	1	1ST FL MASTER BEDROOM	E	~~14~~ 209 SWITCH	
102925	1	1ST FL MASTER BATH	W	~~4~~ 217 SWITCH	
102926	1	LIVING ROOM	N	~~23~~ 167 OUTLET	
102927	1	"	N	15 OUTLET	
102928	1	KITCHEN	E	12 ~~SWITCH~~ OUTLET	
102929	1	"	N	18 SWITCH	
102930	1	LAUNDRY	N	7 SWITCH	
102934	1	KITCHEN	W	20 OUTLET	
102932	1	ENTRANCE	S	~~47~~ 193 SWITCH	
102933	1	HALL B/W LIVING AND FOYER	N	~~20~~ 178 OUTLET	
102934	1	LIVING	W	~~20~~ 172 OUTLET	
102935	2	TOP OF STAIRS	W	91 OUTLET	
102936	2	"	N	93 SWITCH	
102937	2	UPPER HALL 2	E	138 SWITCH	
102938	2	UPPER HALL 1	W	162 OUTLET	
102939	2	UPSTAIRS BATHROOM	S	122 OUTLET	
102940	2	UPPER HALL 2	E	137 SWITCH	
102941	2	UPPER HALL 2 CLOSET	E	141 SWITCH	
102942	2	UPSTAIRS MASTER BEDROOM	W	144 OUTLET	
102943	2	" "	S	148 SWITCH	
102944	2	TOP OF STAIRS SOUTH BEDROOM	E	97 OUTLET	
102945	2	"	E	98 OUTLET	
102946	2	TOP OF STAIRS NORTH BEDROOM	N	233 OUTLET	
105138	2	Storage #4	S	140	Large bulk.

SAMPLE TYPES: S = Sample, D = Duplicate, FB = Field Blank, MB = Media Blank

~~ACTIVE~~ SAMPLE FIELD DATA

Q Trak/HOBO

Page _ of ____

1/1

Environmental Health & Engineering, Inc.
117 Fourth Avenue, Needham, MA 02494
TEL: (781) 247-4300
FAX: (781) 247-4305

Client: CPSC

Home Address (b)(6) IA BEACH, VA

Field Person(s): TXM, BRM, NSE

Date: 9-2-09

Project#: 16512

ROTA ID #: [illegible]

SAMPLE ID	FLOOR	LOCATION	TARGET ANALYTE	SAMPLE TYPE	PUMP ID	ROTA READ START	START TIME	ROTA READ END	END TIME	SAMPLE DURATION (MINS)	NOTES
QTRACK QT 11	2	Bedroom ~~#3~~ #3	CO_2								
QT 12	2	Master Bedroom	↓								
R11370	1	Great room	↓								
1						DATE					
2375361	2	MASTER BED				9-2-09	9:15				
2412460	2	BEDROOM #2				"	9:15				
2412445	1	GREAT ROOM				"	9:15				

SAMPLE TYPES: S = Sample, D = Duplicate, FB = Field Blank, MB = Media Blank

09 0209 VA02

PASSIVE SAMPLE FIELD DATA

Environmental Health & Engineering, Inc.
117 Fourth Avenue, Needham, MA 02494
TEL: (781) 247-4300
FAX: (781) 247-4305

Date: 9-2-09

Client: CPSC

Project#: 16512

Home Address (b)(6) BEACH, VA

Field Person(s): BRM, NSE, TXM

SAMPLE ID	FLOOR	LOCATION	TARGET ANALYTE	SAMPLE TYPE	START DATE	START TIME	END DATE	END TIME	NOTES
✓102845	1	Living	O3	S	09/02/09	5:05	9/15/09	17:00	
✓102846	1	"		D					
✓102847	2	Master		S					
✓102848	2	Bed 3		S					
✓102849	G	Outdoor		S					
✓~~102850~~ 102850		Field		FB					
✓102851		Media		MB					
✓102852	1	Living	H2S	S	9/02/09	5:15	9/15/09	17:00	
✓102853	1	"		D					
✓102854	2	Master		S					
✓102855	2	Bed 3		S					
✓102856	G	Outdoor		S					
✓102857		Field		FB					
✓102858		Media		MB					

SAMPLE TYPES: S = Sample, D = Duplicate, FB = Field Blank, MB = Media Blank

090209VA02

PASSIVE SAMPLE FIELD DATA

Environmental Health & Engineering, Inc.
117 Fourth Avenue, Needham, MA 02494
TEL: (781) 247-4300
FAX: (781) 247-4305

Client: CPSC

Home Address: (b)(6)

Field Person(s): TXM, BKH, NSE

Date: 09/02/09

Project#: 16512

SAMPLE ID	FLOOR	LOCATION	TARGET ANALYTE	SAMPLE TYPE	START DATE	START TIME	END DATE	END TIME	NOTES
✓ 102831	1	Living	$NO_2/SO_2/HF$	S	09/02/09	4:40PM	9/15/09	17:00	
✓ 102832	1	"	"	D	09/02/09	4:42PM			
✓ 102833	2	Master		S		4:43			
✓ 102834	2	Bed 3		S		4:46			
✓ 102835	G	Outdoor		S		4:47			
✓ 102836		Field Blank		FB		4:49	—	—	
✓ 102837		Media Blank.		MB		4:50	—	—	
✓ 102838	1	Living	Aldehyde	S	09/02/09	4:50	9/15/09	1700	
✓ 102839	1	"		D		4:51			
✓ 102840	2	Master		S		4:53			
✓ 102841	2	Bed 3		S		4:55			
✓ 102842	G	Out		S		4:57			
✓ 102843		Field		FB		4:58	—	—	
✓ 102844		Media		MB		4:59	—	—	

SAMPLE TYPES: S = Sample, D = Duplicate, FB = Field Blank, MB = Media Blank

090209VA02

PASSIVE SAM.. .E FIELD DATA

Environmental Health & Engineering, Inc.
117 Fourth Avenue, Needham, MA 02494
TEL: (781) 247-4300
FAX: (781) 247-4305

Client: CBSC

Date: 9-2-09

Home Address: (b)(6) GINIA BEACH VA

Project#: 16512

Field Person(s): TXM, BRM, NSE

SAMPLE ID	FLOOR	LOCATION	TARGET ANALYTE	SAMPLE TYPE	START DATE	START TIME	END DATE	END TIME	NOTES
✓102859	1	Living	Coupon	S	09/02/09	5:30PM	9/15/09	17:00	
✓102860	2	Master		S					
✓102861	2	Bed.		S					
✓102862	1	Supply		S					
✓102863	G	Outdoor		S					
✓102864		Field Blank.		FB					0 EXPOSURE

SAMPLE TYPES: S = Sample, D = Duplicate, FB = Field Blank, MB = Media Blank

PHOTO FIELD DATA

Environmental Health & Engineering, Inc.
117 Fourth Avenue, Needham, MA 02494
TEL: (781) 247-4300
FAX: (781) 247-4305

Client: CRSC

Date: 9-2

Home Address: (b)(6) VIRGINIA BEACH, VA

Project#: 16512

Field Person(s): BKH, NSE, TXM

Camera ID: ~~33006321~~ 535163 BRAD CAMERA

PHOTO NO.	FLOOR	LOCATION	NOTES
~~35/86~~ 177	1	Silver Dishes	
178		Pipe fittings under kitchen sink #1	
179		Pipe fittings under kitchen sink #2	
180		Copper Basket	
181		Toilet pipe fitting	
182		1st Floor Bathroom sink pipes	
183		Master Bath Showerhead	2nd Master
184		Pipes under Master Bath sink #1	
185		Pipes / Fittings in bathroom	
186		Pipes under Master Bath sink #2	
187		Pipes/Fittings in master bathroom (2)	Same pipes different spot
~~189~~		~~Pipe fittings under sink in Laundry Room~~	
~~189~~		~~Light Fixture~~	
188		Pipes behind Washing machine	
189		under sink in Laundry room	
190		Light socket	
191		Silver Dishes	
192		Copper foot	
193		Copper Book Clamps	
194		Fittings under 2nd floor Bathroom sink	

PHOTO FIELD DATA

Environmental Health & Engineering, Inc.
117 Fourth Avenue, Needham, MA 02494
TEL: (781) 247-4300
FAX: (781) 247-4305

ent: CPSC

Date: 9-2

Home Address: (b)(6) VIRGINIA BEACH VA

Project#: 16512

Field Person(s): BRH, NSE, TXM

Camera ID: EH&E NIKON

PHOTO NO.	FLOOR	LOCATION	NOTES
E 79	outside	house front	
E 80		Compressor AHU/Fan Coil	
E81		Compressor Nameplate	
E82		Compressor ID	
E83		AHU/Fan Coil Nameplate	
E84		" " " ID	
B 167-176		ATTIC AHU	