

Provisional data subject to revision and not to be quoted or released.

Preliminary data¹
for
Indoor Air and Soil-Gas Sampling Event,
Selected Sites, Montgomery, AL
August 16-17, 2011

Prepared by the U.S. Geological Survey for the U.S. Environmental Protection Agency,
Superfund Branch, Section C

¹All results are provisional and subject to revision—not for quote or release.

September 26, 2011

Figure 1

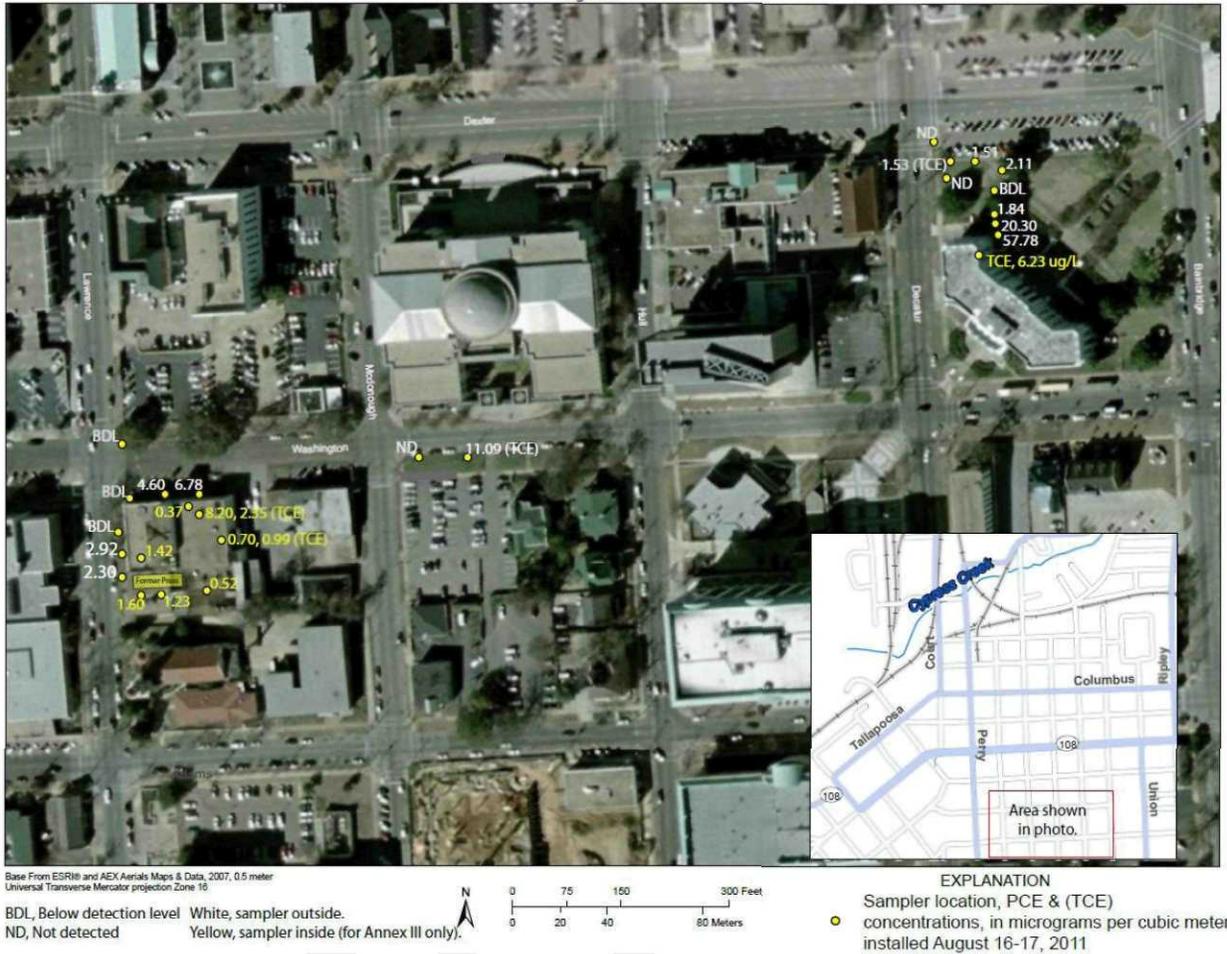


Figure 1. Selected results of perchloroethylene (PCE) and trichloroethylene (TCE, shown in parentheses) detection, in micrograms per cubic meter ($\mu\text{g}/\text{m}^3$), for indoor air samples (yellow numbers) and soil-gas samples (white numbers), Annex III (left) and Department of Public Safety (former Alabama Department of Transportation[ALDOT]) building (right) and adjacent areas, installed August 16-17, 2011. The indoor air results for the Annex III Mezzanine are shown in **Figure 2**. The indoor sample shown for the Department of Public Safety (former ALDOT) building is a water sample and the result for TCE is shown in micrograms per liter ($\mu\text{g}/\text{L}$). BDL, below detection level; ND, not detected.

Note: Not drawn to scale - for relative presentation of data for USEPA only.

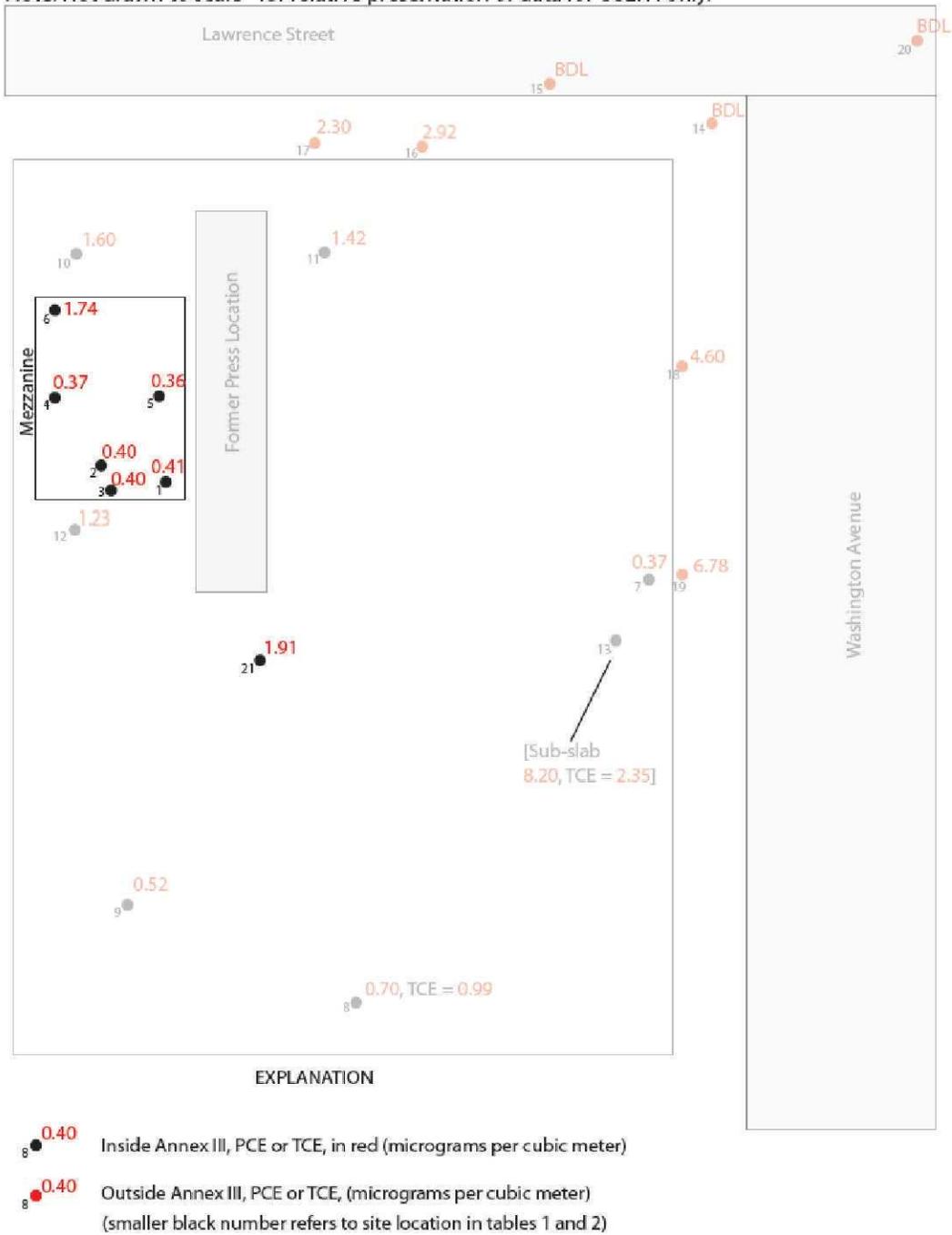
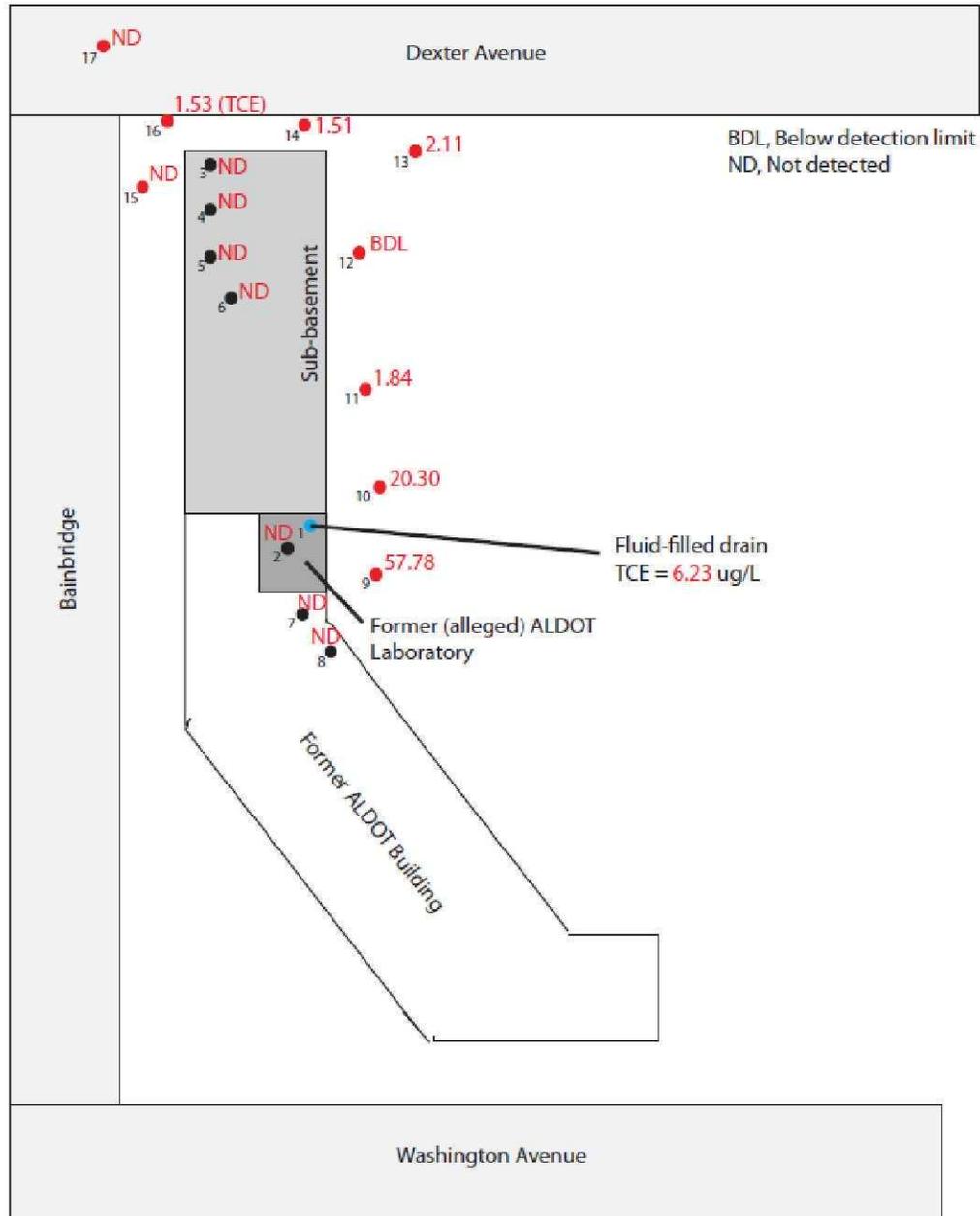


Figure 2. Selected results of perchloroethylene (PCE) and trichloroethylene (TCE) detection, in micrograms per cubic meter ($\mu\text{g}/\text{m}^3$), for indoor air samples (black circles) and soil-gas samples (red circles), Annex III and Mezzanine, August 16-17, 2011. The small black number refers to the sample collection location shown on tables 1 and 2. Sample 21 is located in room 430. BDL, below detection level.

Note: Not drawn to scale - for relative presentation of data for USEPA only.



- 20.30 PCE or TCE detection, inside Department of Public Safety building and sub-basement (micrograms per cubic meter)
- 20.30 PCE or TCE detection, outside former Alabama Department of Transportation building Laboratory and sub-basement (micrograms per cubic meter)

Figure 3. Selected results of perchloroethylene (PCE) and trichloroethylene (TCE) detection, in micrograms per cubic meter ($\mu\text{g}/\text{m}^3$), for indoor air samples (black circles) and soil-gas samples (red circles), Department of Public Safety (former ALDOT) building, installed August 16-17, 2011. The small black number refers to the sample collection location shown on tables 3 and 4. BDL, below detection level; ND, not detected.



Figure 4. TCE concentration from a sampler placed in fluid-filled drain (arrow), former (alleged) Alabama Department of Transportation Laboratory.



Figure 5. Drain shown in **Figure 4** had been connected to this concrete sink, former (alleged) Alabama Department of Transportation Laboratory.



Figure 6. Benches to right of the concrete sink. A trough along the back wall leads to a sump with pump and discharge pipe that leads to the outside lawn area, former (alleged) Alabama Department of Transportation Laboratory.

Table 1. Locations of samplers and concentration of volatile organic compounds, **inside** the Montgomery County Commission Annex III Building, Montgomery, Alabama, August 2011.

[ID, identification; MDL, method detection limit; ug/m³; micrograms per cubic meter of airspace; nd, not detected; bdl, below detection level; >, greater than]

<u>Sampler ID</u>	<u>ID on Figure</u>	<u>Sampler Location (Inside Annex III Building)</u>	<u>Installed Date</u>	<u>Installed Time</u>
667984	1	Behind white panel, under stairs	8/16/2011	10:43
667985	2	Ceiling panel in Pat's office, mezzanine	8/16/2011	10:40
667986	3	Hanging from light fixture mezzanine, behind Pat's office	8/16/2011	10:46
667987	4	Mezzanine cubicle office (left)	8/16/2011	10:48
667988	5	Mezzanine cubicle office (right)	8/16/2011	10:52
667989	6	Mezzanine storage closet low ceiling and HVAC	8/16/2011	10:55
667990	7	Main electrical room 109 in old drain pipe vent	8/16/2011	11:26
667991	8	Air handler main office, sump grate	8/16/2011	11:30
667992	9	Archives Room 121	8/16/2011	11:53
667993	10	Archives Room 129 (book storage)	8/16/2011	12:52
667994	11	HVAC Control room	8/16/2011	13:10
667995	12	In closet room 126, sump grate	8/16/2011	13:17
667996	13	Installed beneath 6-inch thick floor slab, room 109	8/16/2011	14:01
670802	21	2nd Floor Tag Office room 430	8/17/2011	13:00

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<u>Recovered Date</u>	<u>Recovered Time</u>	<u>Total Petroleum Hydrocarbons, ug/m³</u>	<u>Benzene, ug/m³</u>	<u>Toluene, ug/m³</u>	<u>Ethylbenzene, ug/m³</u>
		MDL= 0.15	0.14	0.09	0.15
8/23/2011	08:33	88.81	nd	0.29	0.81
8/23/2011	08:40	>129.07	bdl	0.28	0.76
8/23/2011	08:30	>125.72	bdl	0.28	0.78
8/23/2011	08:37	>109.66	bdl	0.26	0.71
8/23/2011	08:42	106.66	bdl	0.25	0.64
8/23/2011	08:45	>115.54	nd	0.22	1.24
8/23/2011	09:20	105.49	nd	0.17	0.50
8/23/2011	08:25	>194.05	bdl	0.32	1.16
8/23/2011	09:00	>161.26	nd	0.38	0.99
8/23/2011	09:10	>154.33	bdl	0.32	1.64
8/23/2011	09:13	>160.83	nd	0.29	1.34
8/23/2011	09:05	>201.68	bdl	0.27	1.72
8/23/2011	09:17	320.15	0.97	19.28	3.34
8/23/2011	08:48	106.53	bdl	1.04	0.91

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<u>m,p-Xylenes,</u> <u>ug/m³</u>	<u>o-Xylene,</u> <u>ug/m³</u>	<u>Undecane,</u> <u>ug/m³</u>	<u>Tridecane,</u> <u>ug/m³</u>	<u>Pentadecane,</u> <u>ug/m³</u>
0.15	0.08	0.07	0.07	0.07
2.31	0.66	2.32	1.03	2.27
2.25	0.68	2.99	1.90	3.84
2.30	0.68	2.76	1.94	3.78
2.07	0.61	2.51	1.48	3.10
1.89	0.56	2.39	1.55	3.11
3.29	0.86	2.53	2.01	4.37
1.46	0.48	2.79	3.07	3.72
3.42	1.03	4.03	6.22	8.76
3.01	1.04	3.54	3.61	6.15
4.56	1.16	3.38	3.54	6.31
3.68	1.03	3.97	5.07	7.89
5.02	1.37	2.98	3.80	8.42
8.80	2.30	2.37	3.60	4.23
2.58	1.18	3.15	0.65	3.03

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<u>1,2,4-</u> <u>Trimethylbenzene,</u> <u>ug/m³</u>	<u>1,3,5-</u> <u>Trimethylbenzene,</u> <u>ug/m³</u>	<u>trans-1,2-</u> <u>Dichloroethylene,</u> <u>ug/m³</u>	<u>cis-1,2-</u> <u>Dichloroethylene,</u> <u>ug/m³</u>	<u>Naphthalene,</u> <u>ug/m³</u>
0.07	0.16	2.92	0.56	0.07
0.81	1.12	nd	nd	0.44
1.12	1.77	nd	nd	0.74
1.11	1.66	nd	nd	0.71
0.98	1.65	nd	nd	0.64
0.90	1.56	nd	nd	0.57
1.55	1.47	nd	nd	0.85
3.20	1.71	nd	nd	0.75
3.51	2.56	nd	nd	1.47
2.18	1.93	nd	nd	0.82
2.86	2.22	nd	nd	0.91
4.46	2.72	nd	nd	1.11
2.24	0.97	nd	nd	0.75
4.92	2.51	nd	nd	1.50
0.88	1.59	nd	nd	0.52

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<u>2-Methyl Naphthalene, ug/m³</u>	<u>Methyl tert-Butyl Ether, ug/m³</u>	<u>1,1-Dichloroethane, ug/m³</u>	<u>Chloroform, ug/m³</u>	<u>1,1,1-Trichloroethane, ug/m³</u>	<u>1,2-Dichloroethane, ug/m³</u>
0.07	1.52	0.79	0.26	0.32	0.16
0.12	nd	nd	nd	nd	nd
0.22	nd	nd	nd	nd	nd
0.20	nd	nd	nd	nd	nd
0.18	nd	nd	nd	nd	nd
0.17	nd	nd	nd	nd	nd
0.23	nd	nd	nd	nd	nd
0.24	nd	nd	nd	nd	nd
0.55	nd	nd	nd	nd	nd
0.30	nd	nd	nd	nd	nd
0.32	nd	nd	nd	nd	nd
0.36	nd	nd	nd	nd	nd
0.26	nd	nd	nd	nd	nd
2.41	nd	nd	nd	nd	nd
0.15	nd	nd	nd	nd	nd

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<u>Trichloroethylene,</u> <u>ug/m³</u>	<u>Octane,</u> <u>ug/m³</u>	<u>Perchloroethylene</u> <u>,ug/m³</u>	<u>1,4-</u> <u>Dichlorobenzene</u> <u>,ug/m³</u>	<u>Carbon</u> <u>Tetrachloride</u> <u>,ug/m³</u>	<u>1,1,2-</u> <u>Trichloroethane</u> <u>,ug/m³</u>
0.26	0.17	0.18	0.06	0.91	0.17
nd	nd	0.41	bdl	nd	nd
nd	0.59	0.40	0.07	nd	nd
nd	nd	0.40	0.07	nd	nd
nd	nd	0.37	0.06	nd	nd
nd	nd	0.36	bdl	nd	nd
nd	nd	1.74	0.09	nd	nd
nd	nd	0.37	0.09	nd	nd
0.99	nd	0.70	0.17	nd	nd
nd	nd	0.52	0.12	nd	nd
nd	nd	1.60	0.16	nd	nd
nd	nd	1.42	0.25	nd	nd
nd	bdl	1.23	0.12	nd	nd
2.35	1.70	8.20	bdl	nd	nd
nd	0.72	1.91	0.10	nd	nd

Table 2. Locations of samplers and concentration of volatile organic compounds, **outside** the Montgomery County Commission Annex III Building, Montgomery, Alabama, August 2011.

[ID, identification; MDL, method detection limit; ug/m³; micrograms per cubic meter of soil airspace; nd, not detected; bdl, below detection level; soil porosity of 0.399 used to calculate soil-gas concentration from mass adsorbed; Different MDLs reflect samplers placed below ground in air (drains, etc) or soil.]

<u>Sampler ID</u>	<u>ID on Figure 2</u>	<u>Sampler Location (Outside Annex III Building)</u>
670798	14	Square drain entrance
670799	15	Drain, side of Lawrence, flowing, with sewer odor
668005	20	Drain, middle of Lawrence Street, water flowing
670800	16	Landscaped area near Annex III, Lawrence Street side
670801	17	Landscaped area old main entrance, Annex III, Lawrence Street side
670803	18	Landscaped area, in front of Annex III, Washington Avenue side
670804	19	Landscaped area, in front of Annex III, Washington Avenue side

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<u>Installed Date</u>	<u>Installed Time</u>	<u>Recovered Date</u>	<u>Recovered Time</u>		<u>Total Petroleum Hydrocarbons, ug/m³</u>
				MDL=	0.15
8/17/2011	10:11	8/23/2011	09:41		9.23
8/17/2011	10:15	8/23/2011	09:45		12.58
8/17/2011	10:00	8/23/2011	09:58		30.39
				MDL=	0.82
8/17/2011	11:50	8/23/2011	09:48		4.75
8/17/2011	12:00	8/23/2011	09:52		30.46
8/17/2011	13:10	8/23/2011	09:37		998.77
8/17/2011	13:15	8/23/2011	09:35		76.63

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<u>Benzene.</u> <u>ug/m3</u>	<u>Toluene.</u> <u>ug/m3</u>	<u>Ethylbenzene.</u> <u>ug/m3</u>	<u>m.p-</u> <u>Xylenes.</u> <u>ug/m3</u>	<u>o-</u> <u>Xylene.</u> <u>ug/m3</u>	<u>Undecane.</u> <u>ug/m3</u>	<u>Tridecane.</u> <u>ug/m3</u>
0.14	0.09	0.15	0.15	0.08	0.07	0.07
bdl	bdl	bdl	0.15	bdl	0.28	0.08
bdl	0.11	bdl	0.16	0.09	0.07	bdl
bdl	0.28	bdl	bdl	bdl	0.26	bdl
0.76	0.47	0.82	0.82	0.43	0.41	0.41
1.04	nd	nd	nd	nd	nd	bdl
nd	1.02	nd	nd	nd	nd	bdl
nd	nd	nd	nd	nd	bdl	0.73
nd	2.58	nd	nd	nd	nd	bdl

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<u>Pentadecane,</u> <u>ug/m3</u>	<u>1,2,4-</u> <u>Trimethylbenzene,</u> <u>ug/m3</u>	<u>1,3,5-</u> <u>Trimethylbenzene,</u> <u>ug/m3</u>	<u>trans-1,2-</u> <u>Dichloroethylene,</u> <u>ug/m3</u>	<u>cis-1,2-</u> <u>Dichloroethylene,</u> <u>ug/m3</u>
0.07	0.07	0.16	2.92	0.56
0.10	0.26	0.75	nd	nd
nd	0.19	bdl	nd	nd
0.10	0.32	0.37	nd	nd
0.41	0.41	0.90	16.01	3.06
bdl	0.60	nd	nd	nd
nd	0.48	bdl	nd	nd
nd	nd	nd	nd	nd
bdl	nd	nd	nd	nd

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<u>Naphthalene,</u> <u>ug/m3</u>	<u>2-Methyl</u> <u>Naphthalene, ug/m3</u>	<u>Methyl tert-</u> <u>Butyl Ether,</u> <u>ug/m3</u>	<u>1,1-</u> <u>Dichloroethane,</u> <u>ug/m3</u>	<u>Chloroform,</u> <u>ug/m3</u>	<u>1,1,1-</u> <u>Trichloroethane,</u> <u>ug/m3</u>
0.07	0.07	1.52	0.79	0.26	0.32
0.24	0.08	nd	nd	nd	nd
0.12	bdl	nd	nd	nd	nd
0.26	0.08	nd	nd	nd	nd
0.41	0.41	8.36	4.31	1.45	1.73
nd	bdl	nd	nd	2.28	nd
nd	bdl	nd	nd	3.28	nd
nd	bdl	nd	nd	2.45	nd
nd	nd	nd	nd	nd	nd

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<u>1,2- Dichloroethane, ug/m3</u>	<u>Trichloroethylene, ug/m3</u>	<u>Octane,ug/m3</u>	<u>Perchloroethylene, ug/m3</u>	<u>1,4- Dichlorobenzene, ug/m3</u>	<u>Carbon Tetrachloride, ug/m3</u>
0.16	0.26	0.17	0.18	0.06	0.91
nd	nd	bdl	bdl	bdl	nd
nd	bdl	bdl	bdl	0.08	nd
nd	bdl	bdl	bdl	0.17	nd
0.87	1.41	0.95	0.97	0.34	4.97
nd	bdl	nd	2.92	nd	nd
nd	nd	nd	2.30	nd	nd
nd	nd	nd	4.60	nd	nd
nd	nd	nd	6.78	nd	nd

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<u>1,1,2-</u> <u>Trichloroethane,</u> <u>ug/m3</u>	<u>Chlorobenzene,</u> <u>ug/m3</u>	<u>1,1,1,2-</u> <u>Tetrachloroethane,</u> <u>ug/m3</u>	<u>1,1,2,2-</u> <u>Tetrachloroethane,</u> <u>ug/m3</u>	<u>1,3-</u> <u>Dichlorobenzene,</u> <u>ug/m3</u>	<u>1,2-</u> <u>Dichlorobenzene,</u> <u>ug/m3</u>
0.17	0.22	0.16	0.08	0.06	0.06
nd	nd	nd	nd	nd	nd
nd	nd	nd	nd	nd	nd
nd	nd	nd	nd	nd	nd
0.95	1.20	0.86	0.43	0.35	0.35
nd	nd	nd	nd	nd	nd
nd	nd	nd	nd	nd	nd
nd	nd	nd	nd	nd	nd
nd	nd	nd	nd	nd	nd

Table 3. Locations of samplers and concentrations of volatile organic compounds, **inside** the Department Of Public Safety (Former ALDOT) Building, Montgomery, Alabama, August 2011.

[ID, identification; MDL, method detection limit; ug/m³; micrograms per cubic meter of airspace; nd, not detected; bdl, below detection level; >, greater than]

<u>Sampler ID</u>	<u>ID on Figure 3</u>	<u>Sampler Location (Inside Building)</u>
667998	2	Old ALDOT basement test lab, air
667999	3	Patty's office air, sub-basement
668000	4	Doris' office air, sub-basement
668001	5	Ashley's office air, sub-basement
668002	6	Support area air, sub-basement
668003	7	Mechanical room B15, HVAC
668004	8	Mechanical room SB06, air above exposed earth
667997	1	Old ALDOT basement (alleged) test lab, in drain standing fluid

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<u>Installed Date</u>	<u>Installed Time</u>	<u>Recovered Date</u>	<u>Recovered Time</u>
8/16/2011	16:16	8/23/2011	10:59
8/16/2011	16:26	8/23/2011	11:15
8/16/2011	16:30	8/23/2011	11:13
8/16/2011	16:35	8/23/2011	11:10
8/16/2011	16:40	8/23/2011	11:07
8/16/2011	16:52	8/23/2011	11:20
8/16/2011	17:00	8/23/2011	11:03
8/16/2011	16:14	8/16/2011	17:23

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	<u>Total Petroleum Hydrocarbons, ug/m³</u>	<u>Benzene, ug/m³</u>	<u>Toluene, ug/m³</u>	<u>Ethylbenzene, ug/m³</u>	<u>m,p-Xylenes, ug/m³</u>	<u>o-Xylene, ug/m³</u>
MDL=	0.15	0.14	0.09	0.15	0.15	0.08
	78.83	nd	0.20	0.29	0.68	0.27
	>227.99	nd	0.39	0.82	2.86	0.73
	>217.67	bdl	0.40	0.81	2.84	0.73
	>216.49	nd	0.43	0.82	2.86	0.72
	>234.75	nd	0.40	0.85	3.03	0.78
	>236.26	bdl	0.93	0.36	1.18	0.41
	>179.83	nd	0.55	0.65	2.15	0.61
	<u>ug/L</u>	<u>ug/L</u>	<u>ug/L</u>	<u>ug/L</u>	<u>ug/L</u>	<u>ug/L</u>
MDL=	2.90	1.45	1.45	2.90	2.90	1.45
	234.48	2.03	6.23	nd	nd	nd

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<u>Undecane,</u> <u>ug/m³</u>	<u>Tridecane,</u> <u>ug/m³</u>	<u>Pentadecane,</u> <u>ug/m³</u>	<u>1,2,4-</u> <u>Trimethylbenzene,</u> <u>ug/m³</u>	<u>1,3,5-</u> <u>Trimethylbenzene,</u> <u>ug/m³</u>
0.07	0.07	0.07	0.07	0.16
2.43	0.72	0.45	0.83	0.26
14.10	1.20	1.59	0.62	0.86
14.40	1.18	1.61	0.59	0.94
13.04	1.22	1.72	0.63	0.96
13.76	1.72	2.37	0.74	1.02
13.86	2.41	3.81	1.07	1.27
6.15	5.52	5.24	1.17	2.01
<u>ug/L</u>	<u>ug/L</u>	<u>ug/L</u>	<u>ug/L</u>	<u>ug/L</u>
1.45	1.45	1.45	1.45	2.90
bdl	bdl	nd	bdl	bdl

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<u>trans-1,2-Dichloroethylene, ug/m³</u>	<u>cis-1,2-Dichloroethylene, ug/m³</u>	<u>Naphthalene, ug/m³</u>	<u>2-Methyl Naphthalene, ug/m³</u>	<u>Methyl tert-Butyl Ether, ug/m³</u>
2.92	0.56	0.07	0.07	1.52
nd	nd	1.27	1.64	nd
nd	nd	0.43	0.12	nd
nd	nd	0.42	0.12	nd
nd	nd	0.45	0.13	nd
nd	nd	0.53	0.14	nd
nd	nd	0.72	0.26	nd
nd	nd	1.01	0.36	nd
<u>ug/L</u>	<u>ug/L</u>	<u>ug/L</u>	<u>ug/L</u>	<u>ug/L</u>
8.33	2.99	1.45	1.45	8.70
nd	nd	nd	bdl	nd

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<u>1,1-Dichloroethane,</u> <u>ug/m³</u>	<u>Chloroform,</u> <u>ug/m³</u>	<u>1,1,1-Trichloroethane,</u> <u>ug/m³</u>	<u>1,2-Dichloroethane,</u> <u>ug/m³</u>	<u>Trichloroethylene,</u> <u>ug/m³</u>	<u>Octane,</u> <u>ug/m³</u>
0.79	0.26	0.32	0.16	0.26	0.17
nd	nd	nd	nd	nd	bdl
nd	nd	nd	nd	nd	0.30
nd	nd	nd	nd	nd	nd
nd	nd	nd	nd	nd	0.30
nd	nd	nd	nd	nd	nd
nd	nd	nd	nd	nd	0.51
nd	nd	nd	nd	nd	nd
<u>ug/L</u>	<u>ug/L</u>	<u>ug/L</u>	<u>ug/L</u>	<u>ug/L</u>	<u>ug/L</u>
2.90	1.45	1.45	1.45	2.90	2.90
nd	nd	nd	nd	6.23	nd

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<u>Perchloroethylene,</u> <u>ug/m³</u>	<u>1,4-</u> <u>Dichlorobenzene,</u> <u>ug/m³</u>	<u>Carbon</u> <u>Tetrachloride,</u> <u>ug/m³</u>	<u>1,1,2-</u> <u>Trichloroethane,</u> <u>ug/m³</u>	<u>Chlorobenzene,</u> <u>ug/m³</u>
0.18	0.06	0.91	0.17	0.22

bdl	0.17	nd	nd	nd
nd	0.25	nd	nd	nd
nd	0.27	nd	nd	nd
nd	0.27	nd	nd	bdl
nd	0.43	nd	nd	bdl
nd	0.28	nd	nd	bdl
nd	0.75	nd	nd	bdl

<u>ug/L</u>	<u>ug/L</u>	<u>ug/L</u>	<u>ug/L</u>	<u>ug/L</u>
2.90	1.45	4.35	2.90	4.35
nd	nd	nd	nd	nd

Provisional data subject to revision and not to be quoted or released.

<u>1,1,1,2-</u> <u>Tetrachloroethane,</u> <u>ug/m³</u>	<u>1,1,2,2-</u> <u>Tetrachloroethane,</u> <u>ug/m³</u>	<u>1,3-</u> <u>Dichlorobenzene,</u> <u>ug/m³</u>	<u>1,2-</u> <u>Dichlorobenzene,</u> <u>ug/m³</u>
0.16	0.08	0.06	0.06

nd	nd	nd	nd
----	----	----	----

nd	nd	nd	bdl
----	----	----	-----

nd	nd	nd	bdl
----	----	----	-----

nd	nd	nd	bdl
----	----	----	-----

nd	nd	nd	bdl
----	----	----	-----

nd	nd	nd	bdl
----	----	----	-----

nd	nd	nd	bdl
----	----	----	-----

<u>ug/L</u>	<u>ug/L</u>	<u>ug/L</u>	<u>ug/L</u>
2.90	1.45	1.45	1.45

nd	nd	nd	nd
----	----	----	----

Table 4. Locations of samplers and mass of volatile organic compounds, **outside** the Department of Public Safety (Former ALDOT) Building, Montgomery, Alabama, August 2011.

[ID, identification; MDL, method detection limit; ug, micrograms; nd, not detected; bdl, below detection level]

<u>Sampler ID</u>	<u>ID on Figure 3</u>	<u>Sampler Location (Outside Building)</u>
670811	9	Lawn, near former sump discharge pipe outfall
670810	10	Lawn, downgradient from former sump discharge pipe outfall
670809	11	Lawn, downgradient from former sump discharge pipe outfall
670808	12	Lawn, downgradient from former sump discharge pipe outfall
670807	13	Sidewalk, downgradient from former sump discharge pipe outfall
670816	14	Near Dexter Avenue sidewalk
670815	15	Hung in drain, Bainbridge
670814	16	Corner of Dexter and Bainbridge
670813	17	Old drain grate, Dexter

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<u>Installed Date</u>	<u>Installed Time</u>	<u>Recovered Date</u>	<u>Recovered Time</u>
8/17/2011	18:00	8/23/2011	10:45
8/17/2011	18:10	8/23/2011	10:44
8/17/2011	18:15	8/23/2011	10:40
8/17/2011	18:20	8/23/2011	10:37
8/17/2011	19:00	8/23/2011	10:28
8/17/2011	19:10	8/23/2011	10:23
8/17/2011	19:20	8/23/2011	10:55
8/17/2011	19:17	8/23/2011	10:20
8/17/2011	19:15	8/23/2011	10:15

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	<u>Total Petroleum Hydrocarbons, ug/m³</u> 0.02	<u>Benzene, ug/m³</u> 0.01	<u>Toluene, ug/m³</u> 0.01	<u>Ethylbenzene, ug/m³</u> 0.02	<u>m,p- Xylenes, ug/m³</u> 0.02
MDL=					
	247.34	nd	nd	nd	nd
	37.60	nd	3.22	nd	nd
	133.20	3.10	17.68	bdl	bdl
	30.44	nd	0.63	nd	nd
	973.20	bdl	14.45	nd	nd
	49.30	nd	nd	nd	bdl
	12.29	bdl	bdl	bdl	0.31
	48.04	nd	2.92	nd	bdl
	11.30	bdl	0.11	bdl	0.16

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<u>o-</u> <u>Xylene,</u> <u>ug/m³</u> 0.01	<u>Undecane,</u> <u>ug/m³</u> 0.01	<u>Tridecane,</u> <u>ug/m³</u> 0.01	<u>Pentadecane,</u> <u>ug/m³</u> 0.01	<u>1,2,4-</u> <u>Trimethylbenzene,</u> <u>ug/m³</u> 0.01	<u>1,3,5-</u> <u>Trimethylbenzene,</u> <u>ug/m³</u> 0.02
nd	bdl	0.50	nd	nd	nd
nd	bdl	bdl	nd	nd	nd
0.44	bdl	bdl	nd	bdl	bdl
nd	bdl	bdl	0.42	bdl	nd
nd	nd	nd	nd	nd	nd
nd	0.63	bdl	0.84	bdl	bdl
0.17	0.46	bdl	0.08	0.28	nd
nd	bdl	bdl	nd	nd	nd
bdl	0.27	0.20	0.12	0.25	nd

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<u>trans-1,2-</u> <u>Dichloroethylene,</u> <u>ug/m³</u> 0.05	<u>cis-1,2-</u> <u>Dichloroethylene,</u> <u>ug/m³</u> 0.02	<u>Naphthalene,</u> <u>ug/m³</u> 0.01	<u>2-Methyl</u> <u>Naphthalene, ug/m³</u> 0.01	<u>Methyl tert-</u> <u>Butyl Ether,</u> <u>ug/m³</u> 0.03	<u>1,1-</u> <u>Dichloroethane,</u> <u>ug/m³</u> 0.02
nd	nd	nd	bdl	nd	nd
nd	nd	0.54	0.46	nd	nd
nd	nd	0.42	bdl	nd	nd
nd	nd	nd	nd	nd	nd
nd	nd	nd	bdl	nd	nd
nd	nd	nd	nd	nd	nd
nd	nd	0.34	0.85	nd	nd
nd	nd	nd	bdl	nd	nd
nd	nd	0.24	0.13	bdl	nd

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<u>Chloroform,</u> <u>ug/m³</u> 0.01	<u>1,1,1-</u> <u>Trichloroethane,</u> <u>ug/m³</u> 0.01	<u>1,2-</u> <u>Dichloroethane,</u> <u>ug/m³</u> 0.01	<u>Trichloroethylene,</u> <u>ug/m³</u> 0.02	<u>Octane,</u> <u>ug/m³</u> 0.02	<u>Perchloroethylene,</u> <u>ug/m³</u> 0.02
nd	nd	nd	nd	bdl	57.78
19.68	nd	nd	bdl	nd	20.30
4.89	nd	nd	nd	bdl	1.84
nd	nd	nd	nd	nd	bdl
nd	nd	nd	nd	nd	2.11
nd	nd	nd	nd	nd	1.51
nd	nd	nd	nd	bdl	nd
6.58	nd	nd	1.53	bdl	nd
nd	nd	nd	nd	bdl	nd

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<u>1,4-Dichlorobenzene,</u> <u>ug/m³</u> 0.01	<u>Carbon</u> <u>Tetrachloride,</u> <u>ug/m³</u> 0.03	<u>1,1,2-</u> <u>Trichloroethane,</u> <u>ug/m³</u> 0.02	<u>Chlorobenzene,</u> <u>ug/m³</u> 0.03	<u>1,1,1,2-</u> <u>Tetrachloroethane,</u> <u>ug/m³</u> 0.02
nd	nd	nd	nd	nd
nd	nd	nd	nd	nd
nd	nd	nd	nd	nd
nd	nd	nd	nd	nd
nd	nd	nd	nd	nd
nd	nd	nd	nd	nd
bdl	nd	nd	nd	nd
nd	nd	nd	nd	nd
bdl	nd	nd	nd	nd

Provisional data subject to revision and not to be quoted or released.

<u>1,1,2,2-</u> <u>Tetrachloroethane,</u> <u>ug/m³</u> <u>0.01</u>	<u>1,3-</u> <u>Dichlorobenzene,</u> <u>ug/m³</u> <u>0.01</u>	<u>1,2-</u> <u>Dichlorobenzene,</u> <u>ug/m³</u> <u>0.01</u>
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nd	nd	nd

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