GRU
More than Energy

GAINESVILLE REGIONAL UTILITIES

Water/Wastewater Division

November 8, 2011

Roy Geiersbach
410 NW 26th Ave
Gainesville, FL 32609

RE: Koppers Site Monitoring Well Located Near Your House (Well number HG-22D)

Dear Mr. Geiersbach:

This letter is a follow-up to your letter to the Gainesville City Commission (received October 20, 2011) and our telephone conversation with regard to the Koppers site monitoring well located in front of your house. This well (Well HG-22D) is a monitoring well drilled into the intermediate aquifer (the lower hawthorn group), which was constructed and is owned by Beazer. The well is monitored periodically as part of the routine monitoring that EPA requires Beazer to do.

You had requested to obtain water samples from the well. As we discussed, GRU/City does not have authority to sample the well. You would have to coordinate with EPA on collecting any additional samples. However, any and all collection, handling and analysis of samples would have to be done by a certified laboratory using EPA accepted analytical techniques.

Per our phone conversation, I would like to attempt to address some of the potential concerns you brought up, which I believe were as follows:

1) When the well is sampled, the field techs remove and discard some water from the well, prior to collecting samples for analysis;
2) Beazer's contractors collecting & analyzing the samples may be falsifying the results; and
3) Beazer's lab is not analyzing for all of the parameters of concern.

Regarding the first item, the removal and discarding of water from the well prior to sampling is commonly referred to as "purging", and is standard procedure for all sampling from wells. This is done to remove sand/sediment which can accumulate in the well, so that the samples that are collected are representative of what is in the aquifer. Testing of the purge water is not commonly done because it is not representative of the aquifer.

On the second item, it is common practice for regulated parties to hire certified labs to conduct sampling and analysis. EPA and other regulators do periodic checks, including field observation of sampling, to make sure the sampling is done properly. Also, the contractors doing the sampling as well as the laboratories are professionally licensed. Any and all contractors involved with falsifying information would be subject to criminal prosecution and would likely lose their professional certification (meaning they would be out of business). While I understand your concern, we do not suspect Beazer's contractor is falsifying lab results. It is extremely unlikely that Beazer or its contractors would do this, given that this

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would be a serious crime with criminal penalties. Furthermore, based on the fact that contamination was detected in many other wells at the Koppers site, it seems extremely unlikely that someone would choose to falsify the results from this particular well and not others.

On the third issue, per your request attached are the lab results from the June 2011 sampling event which includes the well in front of your home (HG-22D). The analytical results include contaminants which are of greatest concern, including naphthalene, 2,4 dimethylphenol and arsenic. The lab data sheets with these results are published as part of public record.

I hope this helps to address some of your concerns. Thank you for your interest in this issue. GRU along with the other Local Intergovernmental Team members (City general government, Alachua County and Alachua County Health Department) continue to be highly engaged as stakeholders in the cleanup of the Koppers site.

If you need additional information, please contact me at 352-393-1218.

Sincerely,

Rick Hutton, P.E.
Supervising Utility Engineer

xc: Craig Lowe, Mayor City of Gainesville
Gainesville City Commission
Bob Hunzinger, General Manager for Utilities
David Richardson, Assistant General Manager Water Wastewater Systems
Correspondence

Table 5
Summary of Analytical Data for Surficial Aquifer Monitoring Wells
2011 First Semiannual Comprehensive Groundwater Monitoring Report
Cabot Carbon/Koppers Superfund Site
Gainesville, Florida

Analyte	Federal MCL [1] (ug/l)	Florida GCTL [2] (ug/l)	Well ID / Sample Date / Sample Type: ITW-22 2/1/2011 SMP	M-09AR 2/1/2011 SMP	M-09BR 2/1/2011 SMP	M-12 2/1/2011 SMP	M-16A 2/1/2011 SMP	M-16A 2/1/2011 DUP	M-16B 2/2/2011 SMP
Temperature (°C)	NA	NA	21.44	21.07	23.48	23.40	21.80	--	21.81
pH (S.U.)	NA	NA	5.24	5.39	4.76	5.54	5.85	--	4.74
Conductivity (mS/cm)	NA	NA	0.091	0.106	0.073	0.085	0.172	--	0.066
Oxidation Reduction Potential (mV)	NA	NA	-251.4	-255.7	-280.4	-251.0	-259.0	--	-240.1
Dissolved Oxygen (mg/l)	NA	NA	0.75	1.16	0.19	1.50	0.48	--	0.35
Turbidity (NTU)	NA	NA	2.15	6.99	2.87	6.34	7.22	--	2.69
METALS									
ARSENIC (dissolved)	10	10	--	4.8	3.9	0.5 U	5.8	6.1 J	9.8 J
ARSENIC (total)	10	10	--	4.7	4.9	0.5 U	6.4	5.4 J	8.4 J
CHROMIUM (dissolved)	100	100	--	--	--	2.3	--	--	--
CHROMIUM (total)	100	100	--	--	--	3.4	--	--	--
VOCs									
BENZENE	5	1	1 U	1 U	1 U	1 U	1 U	1 U	2.2
ETHYLBENZENE	700	30	1 U	1 U	1.5	1 U	1 U	1 U	3.5
TOLUENE	10000	40	1 U	1 U	1 U	1 U	1 U	1 U	2.8
XYLENE (total)	1000	20	3 U	3 U	3 U	3 U	3 U	3 U	9.3
SVOCs									
2,4-DIMETHYLPHENOL	-	140	5.7 UJ	5.7 UJ	5.6 UJ	5.7 UJ	5.3 UJ	5.6 UJ	56 UJ
2-METHYLNAPHTHALENE	-	28	5.7 U	5.7 U	5.6 U	5.7 U	5.3 U	5.6 U	610
2-METHYLPHENOL	-	35	5.7 UJ	5.7 UJ	5.6 UJ	5.7 UJ	5.3 UJ	5.6 UJ	5.6 UJ
3&4-METHYLPHENOL	-	3.5[3]	5.7 UJ	5.7 UJ	5.6 UJ	5.7 UJ	5.3 UJ	5.6 UJ	5.6 UJ
ACENAPHTHENE	-	20	5.7 U	5.7 U	44	5.7 U	39	41	340
ACENAPHTHYLENE	-	210	5.7 U	5.7 U	5.6 U	5.7 U	5.3 U	5.6 U	16
ANTHRACENE	-	2100	5.7 U	5.7 U	5.6 U	5.7 U	5.3 U	5.6 U	5.6 U
CARBAZOLE	-	1.8	0.85 U	0.84 U	45 J	0.84 U	97 J	130 J	530 J
DIBENZOFURAN	-	28	5.7 U	5.7 U	32	5.7 U	30	33	210
FLUORANTHENE	-	280	5.7 U	5.7 U	5.6 U	5.7 U	5.3 U	5.6 U	5.6 U
FLUORENE	-	280	5.7 U	5.7 U	42	5.7 U	38	42	140
NAPHTHALENE	-	14	5.7 U	5.7 U	15	5.7 U	5.3 U	5.6 U	5700
PENTACHLOROPHENOL	1	1	0.77 U	0.76 U	0.75 U	0.76 UJ	0.71 UJ	0.75 UJ	11 J
PHENANTHRENE	-	210	5.7 U	5.7 U	5.6 U	5.7 U	10	13	87
PHENOL	-	10	5.7 UJ	5.7 UJ	5.6 UJ	5.7 UJ	5.3 UJ	5.6 UJ	5.6 UJ
PYRENE	-	210	5.7 U	5.7 U	5.6 U	5.7 U	5.3 U	5.6 U	5.6 U

Table 5
Summary of Analytical Data for Surficial Aquifer Monitoring Wells
2011 First Semiannual Comprehensive Groundwater Monitoring Report
Cabot Carbon/Koppers Superfund Site
Gainesville, Florida

Analyte	Federal MCL [1] (ug/l)	Florida GCTL [2] (ug/l)	Well ID / Sample Date / Sample Type: M-17 2/2/2011 SMP	M-20B 2/2/2011 SMP	M-23BR 2/2/2011 SMP	M-25B 2/2/2011 SMP	M-33B 2/2/2011 SMP	M-33B 2/2/2011 DUP
Temperature (°C)	NA	NA	19.73	20.96	22.42	21.34	22.78	--
pH (S.U.)	NA	NA	5.44	4.41	5.00	6.5	4.94	--
Conductivity (mS/cm)	NA	NA	0.153	0.135	0.144	0.497	0.064	--
Oxidation Reduction Potential (mV)	NA	NA	-255.3	-256.9	-273.0	-344.2	-312.4	--
Dissolved Oxygen (mg/l)	NA	NA	1.00	0.25	0.14	0.09	0.18	--
Turbidity (NTU)	NA	NA	8.00	0.92	3.85	5.78	8.03	--
METALS								
ARSENIC (dissolved)	10	10	48	54	4530	4.7	--	--
ARSENIC (total)	10	10	47	54	4220	5.3	--	--
CHROMIUM (dissolved)	100	100	--	--	--	--	--	--
CHROMIUM (total)	100	100	--	--	--	--	--	--
VOCs								
BENZENE	5	1	1 U	1.8	1.1	660	12	12
ETHYLBENZENE	700	30	5.3	7.5	2.3	740	12	11
TOLUENE	10000	40	2.8	5.5	2	1100	22	21
XYLENE (total)	1000	20	14.5	17.3	9.8	1400	36	34
SVOCs								
2,4-DIMETHYLPHENOL	-	140	5.5 UJ	8.8 J	6.1 UJ	570 J	180 J	240 J
2-METHYLNAPHTHALENE	-	28	68	170	230	1400	140	150
2-METHYLPHENOL	-	35	5.5 UJ	5.7 UJ	6.1 UJ	240 J	50 J	55 J
3&4-METHYLPHENOL	-	3.5[3]	5.5 UJ	5.7 UJ	6.1 UJ	370 J	40 J	43 J
ACENAPHTHENE	-	20	120	240	300	280	160	180
ACENAPHTHYLENE	-	210	5.5 U	5.7 U	6.1 U	14	5.8 U	5.8 U
ANTHRACENE	-	2100	5.5 U	5.7 U	21	13	5.8 U	5.8 U
CARBAZOLE	-	1.8	110 J	130 J	85 J	300 J	140 J	150 J
DIBENZOFURAN	-	28	56	170	260	200	82	96
FLUORANTHENE	-	280	5.5 U	5.7 U	6.1 U	5.7 U	5.8 U	5.8 U
FLUORENE	-	280	55	180	270	160	81	96
NAPHTHALENE	-	14	610	1200	420	17000	2400	2800
PENTACHLOROPHENOL	1	1	17 J	77 J	5300 J	51 J	0.77 U	0.77 U
PHENANTHRENE	-	210	16	82	230	94	12	15
PHENOL	-	10	5.5 UJ	5.7 UJ	6.1 UJ	87 J	5.8 UJ	5.8 UJ
PYRENE	-	210	5.5 U	5.7 U	6.1 U	5.7 U	5.8 U	5.8 U

Notes:

U - Indicates analyte was not detected above the method detection limit (MDL)

J - Indicates result is estimated

Concentration exceeds Florida GCTL

Concentration exceeds Federal MCL

[1] Federal Maximum Contaminant Levels (MCLs) represent the National Primary Drinking Water Standards.

[2] Florida Groundwater Cleanup Target Levels (GCTLs) are guidelines as set forth in 62-777 Florida Administrative Code (F.A.C.).

[3] 3-Methylphenol and 4-Methylphenol cannot be quantified separately using USEPA SW-846 Method 8270C.

Table 6a
Summary of Analytical Data for Upper Hawthorn Group Monitoring Wells
2011 First Semiannual Comprehensive Groundwater Monitoring Report
Cabot Carbon/Koppers Superfund Site
Gainesville, Florida

Analyte	Federal MCL [1] (ug/l)	Florida GCTL [2] (ug/l)	Well ID: / Sample Date: / Sample Type: HG-20S 6/9/2011 SMP	HG-21S 6/9/2011 SMP	HG-24S 6/8/2011 SMP	HG-26S 6/9/2011 SMP	HG-27S 6/8/2011 SMP	HG-29S 6/9/2011 SMP
Temperature (°C)	NA	NA	24.53	23.47	22.51	25.8	25.38	25.34
pH (S.U.)	NA	NA	5.90	7.43	7.2	6.30	8.45	5.94
Conductivity (mS/cm)	NA	NA	0.214	0.267	0.200	0.513	0.240	0.482
ORP (mV)	NA	NA	-319.1	-320.5	-59.4	-282.4	-220.6	-284.8
Dissolved Oxygen (mg/l)	NA	NA	0.15	0.28	0.53	0.32	0.40	0.15
Turbidity (NTU)	NA	NA	1.03	0.67	2.21	1.86	1.70	2.69
VOCs								
BENZENE	5	1	2.9	1 U	1 U	11	1 U	24
ETHYLBENZENE	700	30	4.1	1 U	1 U	21	1 U	19
TOLUENE	10000	40	1.7	1 U	1 U	7.2	1 U	170
XYLENE (total)	1000	20	7.4	3.8	3 U	40.9	3 U	45.1
SVOCs								
2,4-DIMETHYLPHENOL	-	140	62 U	17 J	5.7 UJ	54 U	5.6 UJ	560
2-METHYLNAPHTHALENE	-	28	62 U	6.3 U	5.7 U	150	5.6 U	64 U
2-METHYLPHENOL	-	35	62 U	6.3 UJ	5.7 UJ	54 U	5.6 UJ	890
3&4-METHYLPHENOL	-	3.5[3]	62 U	6.3 UJ	5.7 UJ	54 U	5.6 UJ	1700
ACENAPHTHENE	-	20	62 U	6.3 U	5.7 U	220	5.6 U	64 U
ACENAPHTHYLENE	-	210	62 U	6.3 U	5.7 U	54 U	5.6 U	64 U
CARBAZOLE	-	1.8	18 J	0.93 U	0.83 U	130	0.82 U	9.5 U
DIBENZOFURAN	-	28	62 U	6.3 U	5.7 U	85	5.6 U	64 U
FLUORANTHENE	-	280	62 U	6.3 U	5.7 U	54 U	5.6 U	64 U
FLUORENE	-	280	62 U	6.3 U	5.7 U	83	5.6 U	64 U
NAPHTHALENE	-	14	210	6.3 U	5.7 U	2100	5.6 U	64 U
PENTACHLOROPHENOL	1	1	8.3 U	0.85 UJ	0.76 UJ	7.3 U	0.74 UJ	8.6 U
PHENANTHRENE	-	210	62 U	6.3 U	5.7 U	54 U	5.6 U	64 U
PHENOL	-	10	62 UJ	6.3 UJ	5.7 UJ	54 UJ	5.6 UJ	1000 J
PYRENE	-	210	62 U	6.3 U	5.7 U	54 U	5.6 U	64 U

Notes:

U - Indicates analyte was not detected above the method detection limit (MDL)

J - Indicates result is estimated

B - Indicates field blank contamination

Concentration exceeds Florida GCTL

Concentration exceeds Federal MCL

[1] Federal Maximum Contaminant Levels (MCLs) represent the National Primary Drinking Water Standards.

[2] Florida Groundwater Cleanup Target Levels (GCTLs) are guidelines set forth in 62-777 Florida Administrative Code (F.A.C.).

[3] 3-Methylphenol and 4-Methylphenol cannot be quantified separately using USEPA SW-846 Method 8270C.

Table 6b
Summary of Analytical Data for Lower Hawthorn Group Monitoring Wells
2011 First Semiannual Comprehensive Groundwater Monitoring Report
Cabot Carbon/Koppers Superfund Site
Gainesville, Florida

HG-22D

Analyte	Federal MCL [1] (ug/l)	Florida GCTL [2] (ug/l)	Well ID: / Sample Date: / Sample Type:	HG-20D 6/9/2011 SMP	HG-21D 6/9/2011 SMP	HG-22D 6/8/2011 SMP	HG-23D 6/8/2011 SMP	HG-25D 6/8/2011 SMP	HG-25D 6/8/2011 DUP	HG-26D 6/9/2011 SMP	HG-26D 6/9/2011 DUP	HG-27D 6/8/2011 SMP	HG-29D 6/9/2011 SMP
Temperature (°C)	NA	NA		23.35	25.29	24.09	23.94	24.23	--	24.3	--	25.55	24.98
pH (S.U.)	NA	NA		7.25	7.22	7.55	7.36	8.83	--	7.32	--	7.68	6.11
Conductivity (mS/cm)	NA	NA		0.361	0.341	0.310	0.276	0.269	--	0.273	--	0.277	3.883
ORP (mV)	NA	NA		-118.8	-3.0	-39.6	-107.9	-22.8	--	-136.7	--	-265.9	-89.2
Dissolved Oxygen (mg/l)	NA	NA		0.40	3.61	6.37	0.48	1.14	--	0.41	--	0.20	0.93
Turbidity (NTU)	NA	NA		1.56	29.10	9.06	1.98	4.10	--	1.07	--	2.27	1.17
VOCs													
BENZENE	5	1		1 U	42	1 U	1 U	1 U	1 U	3.5	3.3	1 U	110
ETHYLBENZENE	700	30		1 U	33	1 U	1 U	1 U	1 U	1 U	1 U	1 U	46
TOLUENE	10000	40		1 U	15	1 U	1 U	1 U	1 U	1 U	1 U	1 U	310
XYLENE (total)	1000	20		3 U	72	3 U	3 U	3 U	3 U	3 U	3 U	3 U	93
SVOCs													
2,4-DIMETHYLPHENOL	-	140		9.9 J	2100	5.6 UJ	5.7 UJ	5.7 UJ	5.7 UJ	38 J	43	5.7 UJ	3700
2-METHYLNAPHTHALENE	-	28		5.5 U	57 U	5.6 U	5.7 U	5.7 U	5.7 U	5.5 U	5.7 U	5.7 U	54 U
2-METHYLPHENOL	-	35		5.5 UJ	57 U	5.6 UJ	5.7 UJ	5.7 UJ	5.7 UJ	5.5 UJ	5.7 U	5.7 UJ	4100
3&4-METHYLPHENOL	-	3.5[3]		16 J	57 U	5.6 UJ	5.7 UJ	5.7 UJ	5.7 UJ	6.8 J	5.7 U	5.7 UJ	26000
ACENAPHTHENE	-	20		5.5 U	57 U	5.6 U	5.7 U	5.7 U	5.7 U	5.5 U	5.7 U	5.7 U	54 U
ACENAPHTHYLENE	-	210		5.5 U	57 U	5.6 U	5.7 U	5.7 U	5.7 U	5.5 U	5.7 U	5.7 U	54 U
CARBAZOLE	-	1.8		0.82 U	8.4 U	0.83 U	0.83 U	0.84 U	0.85 U	1.1 J	1.6 J	0.84 U	7.9 U
DIBENZOFURAN	-	28		5.5 U	57 U	5.6 U	5.7 U	5.7 U	5.7 U	5.5 U	5.7 U	5.7 U	54 U
FLUORANTHENE	-	280		5.5 U	57 U	5.6 U	5.7 U	5.7 U	5.7 U	5.5 U	5.7 U	5.7 U	54 U
FLUORENE	-	280		5.5 U	57 U	5.6 U	5.7 U	5.7 U	5.7 U	5.5 U	5.7 U	5.7 U	54 U
NAPHTHALENE	-	14		5.5 U	1200	5.6 U	5.7 U	5.7 U	5.7 U	68	73	5.7 U	230
PENTACHLOROPHENOL	1	1		0.74 UJ	7.6 U	0.75 UJ	0.76 UJ	0.76 UJ	0.77 UJ	0.73 UJ	0.76 U	0.76 UJ	7.2 U
PHENANTHRENE	-	210		5.5 U	57 U	5.6 U	5.7 U	5.7 U	5.7 U	5.5 U	5.7 U	5.7 U	54 U
PHENOL	-	10		5.5 UJ	57 UJ	5.6 UJ	5.7 UJ	5.7 UJ	5.7 UJ	5.5 UJ	5.7 UJ	5.7 UJ	4200 J
PYRENE	-	210		5.5 U	57 U	5.6 U	5.7 U	5.7 U	5.7 U	5.5 U	5.7 U	5.7 U	54 U

Notes:

U - Indicates analyte was not detected above the method detection limit (MDL)

J - Indicates result is estimated

B - Indicates field blank contamination

Concentration exceeds Florida GCTL

Concentration exceeds Federal MCL

[1] Federal Maximum Contaminant Levels (MCLs) represent the National Primary Drinking Water Standards.

[2] Florida Groundwater Cleanup Target Levels (GCTLs) are guidelines set forth in 62-777 Florida Administrative Code (F.A.C.).

[3] 3-Methylphenol and 4-Methylphenol cannot be quantified separately using USEPA SW-846 Method 8270C.

Table 7
Summary of Analytical Data for Floridan Aquifer Monitoring Wells
2011 First Semiannual Comprehensive Groundwater Monitoring Report
Cabot Carbon/Koppers Superfund Site
Gainesville, Florida

FTS

Analyte	Federal MCL [1] (ug/l)	Florida GCTL [2] (ug/l)	Well ID: FW-4 Sample Date: 2/2/2011 Sample Type: SMP	FW-6 2/2/2011 SMP	FW-21B 2/2/2011 SMP	FW-21B 2/2/2011 DUP	FW-29B 2/3/2011 SMP	FW-29B 6/9/2011 SMP	FW-29B 6/9/2011 DUP	FW-29C 2/3/2011 SMP
Temperature (°C)	NA	NA	23.05	23.03	23.52	--	23.04	24.40	--	23.26
pH (S.U.)	NA	NA	7.66	7.77	7.73	--	7.77	7.90	--	7.84
Conductivity (mS/cm)	NA	NA	0.357	0.419	0.518	--	0.412	0.401	--	0.388
METALS										
ARSENIC (dissolved)	10	10	--	--	--	--	6.1 R	0.73	0.87	0.5 U
ARSENIC (total)	10	10	--	--	--	--	1.5 R	0.84	0.95	0.94
VOCs										
BENZENE	5	1	1 U	9.1	1 U	1 U	1 U	--	--	1 U
ETHYLBENZENE	700	30	1 U	1.4	1 U	1 U	1 U	--	--	1 U
TOLUENE	10000	40	1 U	1 U	1 U	1 U	1 U	--	--	1 U
XYLENE (total)	1000	20	3 U	5.7	3 U	3 U	3 U	--	--	3 U
SVOCs										
2,4-DIMETHYLPHENOL	-	140	5.3 UJ	17 J	5.8 UJ	5.9 UJ	5.5 UJ	--	--	5.6 UJ
2-METHYLNAPHTHALENE	-	28	5.3 U	190	5.8 U	5.9 U	5.5 U	--	--	5.6 U
2-METHYLPHENOL	-	35	5.3 UJ	5.3 UJ	5.8 UJ	5.9 UJ	5.5 UJ	--	--	5.6 UJ
3&4-METHYLPHENOL	-	3.5 [3]	0.81 UJ	0.81 UJ	0.89 UJ	0.98 J	0.85 UJ	--	--	0.86 UJ
ACENAPHTHENE	-	20	5.3 U	110	6.4	6.5	5.5 U	--	--	5.6 U
ACENAPHTHYLENE	-	210	5.3 U	5.3 U	5.8 U	5.9 U	5.5 U	--	--	5.6 U
ANTHRACENE	-	2100	5.3 U	5.3 U	5.8 U	5.9 U	5.5 U	--	--	5.6 U
CARBAZOLE	-	1.8	0.78 U	56 J	0.85 U	0.86 U	0.81 U	--	--	0.83 U
DIBENZOFURAN	-	28	5.3 U	66	5.8 U	5.9 U	5.5 U	--	--	5.6 U
FLUORANTHENE	-	280	5.3 U	8.8	5.8 U	5.9 U	5.5 U	--	--	5.6 U
FLUORENE	-	280	5.3 U	75	5.8 U	5.9 U	5.5 U	--	--	5.6 U
NAPHTHALENE	-	14	5.3 U	2400	76 J	94 J	5.5 U	--	--	5.6 U
PHENANTHRENE	-	210	5.3 U	55	5.8 U	5.9 U	5.5 U	--	--	5.6 U
PHENOL	-	10	5.3 UJ	5.3 UJ	5.8 UJ	5.9 UJ	5.5 UJ	--	--	5.6 UJ
PYRENE	-	210	5.3 U	5.3 U	5.8 U	5.9 U	5.5 U	--	--	5.6 U

Notes:

B - Indicates analyte was detected in the field blank.

U - Indicates analyte was not detected above the method detection limit (MDL)

J - Indicates result is estimated

Concentration exceeds Florida GCTL

Concentration exceeds Federal MCL

(1) - Federal Maximum Contaminant Levels (MCLs) represent the National Primary Drinking Water Standards.

(2) - Florida Groundwater Cleanup Target Levels (GCTL) are guidelines set forthen in 62-777 Florida Administrative Code (F.A.C.).

(3) - 3-Methylphenol and 4-Methylphenol cannot be quantified separately using SW846.

Table 8a
Summary of Analytical Data for Westbay Upper Transmissive Zone Monitoring Wells
2011 First Semiannual Comprehensive Groundwater Monitoring Report
Cabot Carbon/Koppers Superfund Site
Gainesville, Florida

Constituent	Federal MCL[1] (ug/L)	Florida GCTL[2] (ug/L)	WELL ID FW-12B							
			Zone 1	Zone 1	Zone 2	Zone 2	Zone 3	Zone 3	Zone 4	Zone 4
		Sample Date:	2/3/2011	6/8/2011	2/3/2011	6/8/2011	2/3/2011	6/8/2011	2/3/2011	6/8/2011
METALS										
ARSENIC (dissolved)	10	10	--	--	--	--	--	--	--	--
ARSENIC (total)	10	10	--	--	--	--	--	--	--	--
VOCs										
BENZENE	5	1	3.3	2.1	1 U	1 U	2.7	2.6	3.3	1 U
ETHYLBENZENE	700	30	2.2	1.4	1 U	1 U	1 U	1 U	1 U	1 U
TOLUENE	10000	40	5.5	3.6	1 U	1 U	1 U	1 U	1 U	1 U
XYLENE (total)	1000	20	4.1	3 U	3 U	3 U	2.6	2.4	5.5	3 U
SVOCs										
2,4-DIMETHYLPHENOL	-	140	29 J	32 J	5.6 UJ	5.5 UJ	5.6 UJ	6.1 U	5.4 UJ	5.7 UJ
2-METHYLNAPHTHALENE	-	28	6.5 U	6.2 U	5.6 U	5.5 U	70	43	28	15
2-METHYLPHENOL	-	35	27 J	27 J	5.6 UJ	5.5 UJ	5.6 UJ	6.1 UJ	5.4 UJ	5.7 UJ
3&4-METHYLPHENOL	-	3.5[3]	2.4 J	1.9 J	0.86 UJ	0.84 UJ	0.86 UJ	0.94 UJ	0.83 UJ	0.88 UJ
ACENAPHTHENE	-	20	6.5 U	6.2 U	5.6 U	5.5 U	72	94	48	40
ACENAPHTHYLENE	-	210	6.5 U	6.2 U	5.6 U	5.5 U	5.6 U	6.1 U	5.4 U	5.7 U
ANTHRACENE	-	2100	6.5 U	6.2 U	5.6 U	5.5 U	5.6 U	6.1 U	5.4 U	5.7 U
CARBAZOLE	-	1.8	0.96 U	0.91 U	0.83 U	0.81 U	20 J	24	0.8 U	0.84 U
DIBENZOFURAN	-	28	6.5 U	6.2 U	5.6 U	5.5 U	36	44	33	26
FLUORANTHENE	-	280	6.5 U	6.2 U	5.6 U	5.5 U	5.6 U	6.1 U	5.4 U	5.7 U
FLUORENE	-	280	6.5 U	6.2 U	5.6 U	5.5 U	42	56	31	26
NAPHTHALENE	-	14	140	170	5.6 U	5.5 U	1100	1300	740	710
PHENANTHRENE	-	210	6.5 U	6.2 U	5.6 U	5.5 U	26	29	5.4 U	5.7 U
PHENOL	-	10	6.5 UJ	6.2 UJ	5.6 UJ	5.5 UJ	5.6 UJ	6.1 UJ	5.4 UJ	5.7 UJ
PYRENE	-	210	6.5 U	6.2 U	5.6 U	5.5 U	5.6 U	6.1 U	5.4 U	5.7 U

Table 8a
Summary of Analytical Data for Westbay Upper Transmissive Zone Monitoring Wells
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Cabot Carbon/Koppers Superfund Site
Gainesville, Florida

Constituent	Federal MCL[1] (ug/L)	Florida GCTL[2] (ug/L)	WELL ID FW-16B		WELL ID FW-20B				
			Zone 1	Zone 1	Zone 1	Zone 1	Zone 2	Duplicate	Zone 2
		Sample Date:	2/3/2011	6/7/2011	2/4/2011	6/8/2011	2/4/2011	2/4/2011	6/8/2011
METALS									
ARSENIC (dissolved)	10	10	--	--	--	--	--	--	--
ARSENIC (total)	10	10	--	--	--	--	--	--	--
VOCs									
BENZENE	5	1	2.1	1.7	9.9	8	1 U	1 U	1 U
ETHYLBENZENE	700	30	1 U	1 U	1 U	1 U	1 U	1 U	1 U
TOLUENE	10000	40	1.5	1.3	1 U	1 U	1 U	1 U	1 U
XYLENE (total)	1000	20	3 U	3 U	6.7	3 U	3 U	3 U	3 U
SVOCs									
2,4-DIMETHYLPHENOL	-	140	51 J	88 J	6.1 UJ	300 UJ	5.4 UJ	5.5 UJ	6 UJ
2-METHYLNAPHTHALENE	-	28	5.9 U	5.6 U	610 U	300 U	5.6	6.9	7.9
2-METHYLPHENOL	-	35	5.9 UJ	5.7 J	6.1 UJ	5.9 UJ	5.4 UJ	5.5 UJ	6 UJ
3&4-METHYLPHENOL	-	3.5[3]	0.91 UJ	0.86 UJ	0.93 UJ	0.91 UJ	0.83 UJ	0.85 UJ	0.92 UJ
ACENAPHTHENE	-	20	5.9 U	5.6 U	78	110	52	60	45
ACENAPHTHYLENE	-	210	5.9 U	5.6 U	6.1 U	5.9 U	5.4 U	5.5 U	6 U
ANTHRACENE	-	2100	5.9 U	5.6 U	6.1 U	5.9 U	5.4 U	5.5 U	6 U
CARBAZOLE	-	1.8	0.87 U	0.82 U	25 J	30	0.8 U	0.82 U	0.88 U
DIBENZOFURAN	-	28	5.9 U	5.6 U	47	53	26	26	20
FLUORANTHENE	-	280	5.9 U	5.6 U	8.5	7.6	5.4 U	5.5 U	6 U
FLUORENE	-	280	5.9 U	5.6 U	51	57	32	35	26
NAPHTHALENE	-	14	33	29	1800	2300	160	180	200
PHENANTHRENE	-	210	5.9 U	5.6 U	39	46	5.7	6.5	6 U
PHENOL	-	10	5.9 UJ	5.6 UJ	6.1 UJ	5.9 UJ	5.4 UJ	5.5 UJ	6 UJ
PYRENE	-	210	5.9 U	5.6 U	6.1 U	5.9 U	5.4 U	5.5 U	6 U

Table 8a
Summary of Analytical Data for Westbay Upper Transmissive Zone Monitoring Wells
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Gainesville, Florida

Constituent	Federal MCL[1] (ug/L)	Florida GCTL[2] (ug/L)	WELL ID FW-22B							
			Zone 1	Zone 1	Zone 2	Zone 2	Zone 3	Zone 3	Zone 4	Zone 4
		Sample Date:	2/2/2011	6/13/2011	2/2/2011	6/13/2011	2/2/2011	6/13/2011	2/2/2011	6/13/2011
METALS										
ARSENIC (dissolved)	10	10	--	--	--	--	--	--	--	--
ARSENIC (total)	10	10	--	--	--	--	--	--	--	--
VOCs										
BENZENE	5	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
ETHYLBENZENE	700	30	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
TOLUENE	10000	40	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
XYLENE (total)	1000	20	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
SVOCs										
2,4-DIMETHYLPHENOL	-	140	5.3 UJ	6.5 UJ	5.2 UJ	5.3 UJ	5.4 UJ	5.4 UJ	5.9 UJ	5.9 UJ
2-METHYLNAPHTHALENE	-	28	5.3 U	6.5 UJ	5.2 U	5.3 UJ	5.4 U	5.4 UJ	5.9 U	5.9 UJ
2-METHYLPHENOL	-	35	5.3 UJ	6.5 UJ	5.2 UJ	5.3 UJ	5.4 UJ	5.4 UJ	5.9 UJ	5.9 UJ
3&4-METHYLPHENOL	-	3.5[3]	0.82 UJ	0.99 UJ	0.8 UJ	0.81 UJ	0.83 UJ	0.82 UJ	0.91 UJ	0.91 UJ
ACENAPHTHENE	-	20	6.9	6.5 UJ	11	11 J	7.6	5.4 UJ	5.9 U	5.9 UJ
ACENAPHTHYLENE	-	210	5.3 U	6.5 UJ	5.2 U	5.3 UJ	5.4 U	5.4 UJ	5.9 U	5.9 UJ
ANTHRACENE	-	2100	5.3 U	6.5 UJ	5.2 U	5.3 UJ	5.4 U	5.4 UJ	5.9 U	5.9 UJ
CARBAZOLE	-	1.8	0.78 U	0.95 UJ	0.77 U	0.78 UJ	0.8 U	0.79 UJ	0.87 U	0.87 UJ
DIBENZOFURAN	-	28	5.3 U	6.5 UJ	5.2 U	5.3 UJ	5.4 U	5.4 UJ	5.9 U	5.9 UJ
FLUORANTHENE	-	280	5.3 U	6.5 UJ	5.2 U	5.3 UJ	5.4 U	5.4 UJ	5.9 U	5.9 UJ
FLUORENE	-	280	5.3 U	6.5 UJ	5.2 U	5.3 UJ	5.4 U	5.4 UJ	5.9 U	5.9 UJ
NAPHTHALENE	-	14	5.3 U	6.5 UJ	5.2 U	5.3 UJ	5.4 U	5.4 UJ	5.9 U	5.9 UJ
PHENANTHRENE	-	210	5.3 U	6.5 UJ	5.2 U	5.3 UJ	5.4 U	5.4 UJ	5.9 U	5.9 UJ
PHENOL	-	10	5.3 UJ	6.5 UJ	5.2 UJ	5.3 UJ	5.4 UJ	5.4 UJ	5.9 UJ	5.9 UJ
PYRENE	-	210	5.3 U	6.5 UJ	5.2 U	5.3 UJ	5.4 U	5.4 UJ	5.9 U	5.9 UJ

Table 8a
Summary of Analytical Data for Westbay Upper Transmissive Zone Monitoring Wells
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Constituent	Federal MCL[1] (ug/L)	Florida GCTL[2] (ug/L)	WELL ID FW-23B							
			Zone 1	Zone 1	Zone 2	Zone 2	Zone 3	Zone 3	Zone 4	Zone 4
		Sample Date:	1/31/2011	6/6/2011	1/31/2011	6/6/2011	1/31/2011	6/7/2011	1/31/2011	6/7/2011
METALS										
ARSENIC (dissolved)	10	10	--	--	--	--	--	--	--	--
ARSENIC (total)	10	10	--	--	--	--	--	--	--	--
VOCs										
BENZENE	5	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
ETHYLBENZENE	700	30	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
TOLUENE	10000	40	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
XYLENE (total)	1000	20	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
SVOCs										
2,4-DIMETHYLPHENOL	-	140	5.5 UJ	5.4 UJ	5.7 UJ	6.1 UJ	5.4 UJ	5.6 UJ	5.3 UJ	5.6 UJ
2-METHYLNAPHTHALENE	-	28	5.5 U	5.4 U	5.7 U	6.1 U	5.4 U	5.6 U	5.3 U	5.6 U
2-METHYLPHENOL	-	35	5.5 UJ	5.4 UJ	5.7 UJ	6.1 UJ	5.4 UJ	5.6 UJ	5.3 UJ	5.6 UJ
3&4-METHYLPHENOL	-	3.5[3]	0.84 UJ	0.83 UJ	0.87 UJ	0.93 UJ	0.83 UJ	0.86 UJ	0.82 UJ	0.86 UJ
ACENAPHTHENE	-	20	5.5 U	5.4 U	5.7 U	6.1 U	5.4 U	5.6 U	5.3 U	5.6 U
ACENAPHTHYLENE	-	210	5.5 U	5.4 U	5.7 U	6.1 U	5.4 U	5.6 U	5.3 U	5.6 U
ANTHRACENE	-	2100	5.5 U	5.4 U	5.7 U	6.1 U	5.4 U	5.6 U	5.3 U	5.6 U
CARBAZOLE	-	1.8	0.81 U	0.8 U	0.84 U	0.9 U	0.8 U	0.82 U	0.79 U	0.83 U
DIBENZOFURAN	-	28	5.5 U	5.4 U	5.7 U	6.1 U	5.4 U	5.6 U	5.3 U	5.6 U
FLUORANTHENE	-	280	5.5 U	5.4 U	5.7 U	6.1 U	5.4 U	5.6 U	5.3 U	5.6 U
FLUORENE	-	280	5.5 U	5.4 U	5.7 U	6.1 U	5.4 U	5.6 U	5.3 U	5.6 U
NAPHTHALENE	-	14	5.5 U	5.4 U	5.7 U	6.1 U	5.4 U	5.6 U	5.3 U	5.6 U
PHENANTHRENE	-	210	5.5 U	5.4 U	5.7 U	6.1 U	5.4 U	5.6 U	5.3 U	5.6 U
PHENOL	-	10	5.5 UJ	5.4 UJ	5.7 UJ	6.1 UJ	5.4 UJ	5.6 UJ	5.3 UJ	5.6 UJ
PYRENE	-	210	5.5 U	5.4 U	5.7 U	6.1 U	5.4 U	5.6 U	5.3 U	5.6 U

Table 8a
Summary of Analytical Data for Westbay Upper Transmissive Zone Monitoring Wells
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Constituent	Federal MCL[1] (ug/L)	Florida GCTL[2] (ug/L)	WELL ID FW-24B									
			Zone 1	Zone 1	Zone 2	Zone 2	Zone 3	Zone 3	Zone 4	Duplicate	Zone 4	Duplicate
		Sample Date:	2/2/2011	6/7/2011	2/2/2011	6/7/2011	2/2/2011	6/7/2011	2/2/2011	2/2/2011	6/7/2011	6/7/2011
METALS												
ARSENIC (dissolved)	10	10	166	158	24	15	1.4	0.5 U	0.88	0.85	0.8	0.7
ARSENIC (total)	10	10	174	174	29	16	1.8	1	1.1 J	0.54 J	0.9	1.2
VOCs												
BENZENE	5	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
ETHYLBENZENE	700	30	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
TOLUENE	10000	40	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
XYLENE (total)	1000	20	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
SVOCs												
2,4-DIMETHYLPHENOL	-	140	6.1 UJ	5.9 UJ	6 UJ	6 UJ	5.3 UJ	6 U	5.4 UJ	5.4 UJ	5.4 UJ	5.1 UJ
2-METHYLNAPHTHALENE	-	28	6.1 U	5.9 U	6 U	6 U	5.3 U	6 U	5.4 U	5.4 U	5.4 U	5.1 U
2-METHYLPHENOL	-	35	6.1 UJ	5.9 UJ	6 UJ	6 UJ	5.3 UJ	6 U	5.4 UJ	5.4 UJ	5.4 UJ	5.1 UJ
3&4-METHYLPHENOL	-	3.5[3]	0.93 UJ	0.91 UJ	0.93 UJ	0.93 UJ	0.81 UJ	0.92 U	0.82 UJ	0.84 UJ	0.83 UJ	0.78 UJ
ACENAPHTHENE	-	20	6.1 U	5.9 U	6 U	6 U	5.3 U	6 U	5.4 U	5.4 U	5.4 U	5.1 U
ACENAPHTHYLENE	-	210	6.1 U	5.9 U	6 U	6 U	5.3 U	6 U	5.4 U	5.4 U	5.4 U	5.1 U
ANTHRACENE	-	2100	6.1 U	5.9 U	6 U	6 U	5.3 U	6 U	5.4 U	5.4 U	5.4 U	5.1 U
CARBAZOLE	-	1.8	0.9 U	0.87 U	0.89 U	0.89 U	0.78 U	0.89 U	0.79 U	0.8 U	0.79 U	0.75 U
DIBENZOFURAN	-	28	6.1 U	5.9 U	6 U	6 U	5.3 U	6 U	5.4 U	5.4 U	5.4 U	5.1 U
FLUORANTHENE	-	280	6.1 U	5.9 U	6 U	6 U	5.3 U	6 U	5.4 U	5.4 U	5.4 U	5.1 U
FLUORENE	-	280	6.1 U	5.9 U	6 U	6 U	5.3 U	6 U	5.4 U	5.4 U	5.4 U	5.1 U
NAPHTHALENE	-	14	6.1 U	5.9 U	6 U	6 U	5.3 U	6 U	5.4 U	5.4 U	5.4 U	5.1 U
PHENANTHRENE	-	210	6.1 U	5.9 U	6 U	6 U	5.3 U	6 U	5.4 U	5.4 U	5.4 U	5.1 U
PHENOL	-	10	6.1 UJ	5.9 UJ	6 UJ	6 UJ	5.3 UJ	6 U	5.4 UJ	5.4 UJ	5.4 UJ	5.1 UJ
PYRENE	-	210	6.1 U	5.9 U	6 U	6 U	5.3 U	6 U	5.4 U	5.4 U	5.4 U	5.1 U

Table 8a
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Gainesville, Florida

Constituent	Federal MCL[1] (ug/L)	Florida GCTL[2] (ug/L)	WELL ID FW-27B					
			Zone 1	Zone 2	Zone 3	Zone 4	Zone 5	Zone 6
		Sample Date:	2/3/2011	2/3/2011	2/3/2011	2/3/2011	2/3/2011	2/3/2011
METALS								
ARSENIC (dissolved)	10	10	0.5 U	0.99	0.5 U	0.5 U	2	6.5
ARSENIC (total)	10	10	0.5 U	1.3	0.5 U	0.5 U	1.8	5.9
VOCs								
BENZENE	5	1	2.2	3.8	6.5	2.1	3.8	4.6
ETHYLBENZENE	700	30	1 U	1 U	1 U	1 U	1 U	1 U
TOLUENE	10000	40	1 U	1 U	1 U	1 U	1 U	1 U
XYLENE (total)	1000	20	2.1	2.2	5.9	2.1	3.2	5.4
SVOCs								
2,4-DIMETHYLPHENOL	-	140	5.8 UJ	6.1 R	5.4 UJ	5.3 UJ	5.2 UJ	5.6 UJ
2-METHYLNAPHTHALENE	-	28	19	130 R	100	71	72	50
2-METHYLPHENOL	-	35	5.8 UJ	6.1 R	5.4 UJ	5.3 UJ	5.2 UJ	5.6 UJ
3&4-METHYLPHENOL	-	3.5[3]	0.89 UJ	0.94 R	0.83 UJ	0.81 UJ	0.8 UJ	0.86 UJ
ACENAPHTHENE	-	20	29	94 J	86	67	70	65
ACENAPHTHYLENE	-	210	5.8 U	6.1 R	5.4 U	5.3 U	5.2 U	5.6 U
ANTHRACENE	-	2100	5.8 U	6.5 J	6.4	5.3 U	5.2 U	5.6 U
CARBAZOLE	-	1.8	0.85 U	18 J	14 J	10 J	19 J	12 J
DIBENZOFURAN	-	28	15	57 J	56	39	38	38
FLUORANTHENE	-	280	5.8 U	8.7 J	5.7	5.3 U	5.2 U	5.6 U
FLUORENE	-	280	17	71 J	64	47	45	44
NAPHTHALENE	-	14	480	1500 J	1300	1300	1200	990
PHENANTHRENE	-	210	11	55 J	43	32	29	25
PHENOL	-	10	5.8 UJ	6.1 R	5.4 UJ	5.3 UJ	5.2 UJ	5.6 UJ
PYRENE	-	210	5.8 U	6.1 R	5.4 U	5.3 U	5.2 U	5.6 U

Table 8a
Summary of Analytical Data for Westbay Upper Transmissive Zone Monitoring Wells
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Cabot Carbon/Koppers Superfund Site
Gainesville, Florida

Constituent	Federal MCL[1] (ug/L)	Florida GCTL[2] (ug/L)	WELL ID FW-28B					WELL ID FW-30B			
			Zone 1	Zone 2	Zone 3	Zone 4	Duplicate	Zone 1	Zone 2	Zone 3	Zone 4
		Sample Date:	2/1/2011	2/1/2011	2/1/2011	2/1/2011	2/1/2011	2/2/2011	2/1/2011	2/1/2011	2/1/2011
METALS											
ARSENIC (dissolved)	10	10	1.5	0.75	1.5	1	0.9	2.4	0.84	0.5 U	0.5 U
ARSENIC (total)	10	10	1.5	0.5 U	1.4	0.5 UJ	1.1 J	2.2	0.69	0.76	0.5 U
VOCs											
BENZENE	5	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
ETHYLBENZENE	700	30	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
TOLUENE	10000	40	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
XYLENE (total)	1000	20	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
SVOCs											
2,4-DIMETHYLPHENOL	-	140	5.6 UJ	5.6 UJ	5.3 UJ	6 UJ	5.4 UJ	6 UJ	5.7 UJ	5.8 UJ	5.8 UJ
2-METHYLNAPHTHALENE	-	28	5.6 U	5.6 U	5.3 U	6 U	5.4 U	6 U	5.7 U	5.8 U	5.8 U
2-METHYLPHENOL	-	35	5.6 UJ	5.6 UJ	5.3 UJ	6 UJ	5.4 UJ	6 UJ	5.7 UJ	5.8 UJ	5.8 UJ
3&4-METHYLPHENOL	-	3.5[3]	0.86 UJ	0.86 UJ	0.81 UJ	0.92 UJ	0.82 UJ	0.92 UJ	0.87 UJ	0.89 UJ	0.88 UJ
ACENAPHTHENE	-	20	5.6 U	5.6 U	5.3 U	6 U	5.4 U	6 U	5.7 U	5.8 U	5.8 U
ACENAPHTHYLENE	-	210	5.6 U	5.6 U	5.3 U	6 U	5.4 U	6 U	5.7 U	5.8 U	5.8 U
ANTHRACENE	-	2100	5.6 U	5.6 U	5.3 U	6 U	5.4 U	6 U	5.7 U	5.8 U	5.8 U
CARBAZOLE	-	1.8	0.83 U	0.83 U	0.78 U	0.88 U	0.79 U	0.89 U	0.84 U	0.86 U	0.85 U
DIBENZOFURAN	-	28	5.6 U	5.6 U	5.3 U	6 U	5.4 U	6 U	5.7 U	5.8 U	5.8 U
FLUORANTHENE	-	280	5.6 U	5.6 U	5.3 U	6 U	5.4 U	6 U	5.7 U	5.8 U	5.8 U
FLUORENE	-	280	5.6 U	5.6 U	5.3 U	6 U	5.4 U	6 U	5.7 U	5.8 U	5.8 U
NAPHTHALENE	-	14	5.6 U	5.6 U	5.3 U	6 U	5.4 U	6 U	5.7 U	5.8 U	5.8 U
PHENANTHRENE	-	210	5.6 U	5.6 U	5.3 U	6 U	5.4 U	6 U	5.7 U	5.8 U	5.8 U
PHENOL	-	10	5.6 UJ	5.6 UJ	5.3 UJ	6 UJ	5.4 UJ	6 UJ	5.7 UJ	5.8 UJ	5.8 UJ
PYRENE	-	210	5.6 U	5.6 U	5.3 U	6 U	5.4 U	6 U	5.7 U	5.8 U	5.8 U

Notes:

B - Indicates analyte was detected in the field blank.

U - Indicates analyte was not detected above the method detection limit (MDL)

J - Indicates result is estimated

Concentration exceeds Florida GCTL

Concentration exceeds Federal MCL

(1) - Federal Maximum Contaminant Levels (MCLs) represent the National Primary Drinking Water Standards.

(2) - Florida Groundwater Cleanup Target Levels (GCTL) are guidelines set forthen in 62-777 Florida Administrative Code (F.A.C.).

(3) - 3-Methylphenol and 4-Methylphenol cannot be quantified separately using SW846.

Table 8b
Summary of Analytical Data for Westbay Lower Transmissive Zone Monitoring Wells
2011 First Semiannual Comprehensive Groundwater Monitoring Report
Cabot Carbon/Koppers Superfund Site
Gainesville, Florida

Constituent	Federal MCL[1] (ug/L)	Florida GCTL[2] (ug/L)	WELL ID FW-4C			WELL ID FW-22C		
			Zone 1	Zone 2	Zone 3	Zone 1	Zone 2	Zone 3
		Sample Date:	1/31/2011	1/31/2011	1/31/2011	1/31/2011	1/31/2011	2/1/2011
VOCs								
BENZENE	5	1	1 U	1 U	1 U	1 U	1 U	1 U
ETHYLBENZENE	700	30	1 U	1 U	1 U	1 U	1 U	1 U
TOLUENE	10000	40	1 U	1 U	1 U	1 U	1 U	1 U
XYLENE (total)	1000	20	3 U	3 U	3 U	3 U	3 U	3 U
SVOCs								
2,4-DIMETHYLPHENOL	-	140	5.9 UJ	5.3 UJ	5.9 UJ	5.3 UJ	5.7 UJ	5.3 UJ
2-METHYLNAPHTHALENE	-	28	5.9 U	5.3 U	5.9 U	5.3 U	5.7 U	5.3 U
2-METHYLPHENOL	-	35	5.9 UJ	5.3 UJ	5.9 UJ	5.3 UJ	5.7 UJ	5.3 UJ
3&4-METHYLPHENOL	-	3.5[3]	0.91 UJ	0.82 UJ	0.91 UJ	0.81 UJ	0.88 UJ	0.82 UJ
ACENAPHTHENE	-	20	5.9 U	5.3 U	5.9 U	5.3 U	5.7 U	5.3 U
ACENAPHTHYLENE	-	210	5.9 U	5.3 U	5.9 U	5.3 U	5.7 U	5.3 U
ANTHRACENE	-	2100	5.9 U	5.3 U	5.9 U	5.3 U	5.7 U	5.3 U
CARBAZOLE	-	1.8	0.88 U	0.79 U	0.88 U	0.78 U	0.84 U	0.78 U
DIBENZOFURAN	-	28	5.9 U	5.3 U	5.9 U	5.3 U	5.7 U	5.3 U
FLUORANTHENE	-	280	5.9 U	5.3 U	5.9 U	5.3 U	5.7 U	5.3 U
FLUORENE	-	280	5.9 U	5.3 U	5.9 U	5.3 U	5.7 U	5.3 U
NAPHTHALENE	-	14	5.9 U	5.3 U	5.9 U	5.3 U	5.7 U	5.3 U
PHENANTHRENE	-	210	5.9 U	5.3 U	5.9 U	5.3 U	5.7 U	5.3 U
PHENOL	-	10	5.9 UJ	5.3 UJ	5.9 UJ	5.3 UJ	5.7 UJ	5.3 UJ
PYRENE	-	210	5.9 U	5.3 U	5.9 U	5.3 U	5.7 U	5.3 U

Table 8b
Summary of Analytical Data for Westbay Lower Transmissive Zone Monitoring Wells
2011 First Semiannual Comprehensive Groundwater Monitoring Report
Cabot Carbon/Koppers Superfund Site
Gainesville, Florida

Constituent	Federal MCL[1] (ug/L)	Florida GCTL[2] (ug/L)	WELL ID FW-23C				WELL ID FW-24C			
			Zone 1	Zone 2	Duplicate	Zone 3	Zone 1	Zone 2	Zone 3	Zone 4
		Sample Date:	1/31/2011	1/31/2011	1/31/2011	1/31/2011	2/1/2011	2/1/2011	2/1/2011	2/1/2011
VOCs										
BENZENE	5	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
ETHYLBENZENE	700	30	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
TOLUENE	10000	40	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
XYLENE (total)	1000	20	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
SVOCs										
2,4-DIMETHYLPHENOL	-	140	5.2 UJ	5.7 UJ	5.4 UJ	5.3 UJ	5.4 UJ	5.4 UJ	5.3 UJ	5.2 UJ
2-METHYLNAPHTHALENE	-	28	5.2 U	5.7 U	5.4 U	5.3 U	5.4 U	5.4 U	5.3 U	5.2 U
2-METHYLPHENOL	-	35	5.2 UJ	5.7 UJ	5.4 UJ	5.3 UJ	5.4 UJ	5.4 UJ	5.3 UJ	5.2 UJ
3&4-METHYLPHENOL	-	3.5[3]	0.8 UJ	0.88 UJ	0.83 UJ	0.81 UJ	0.83 UJ	0.82 UJ	0.81 UJ	0.8 UJ
ACENAPHTHENE	-	20	5.2 U	5.7 U	5.4 U	5.3 U	5.4 U	5.4 U	5.3 U	5.2 U
ACENAPHTHYLENE	-	210	5.2 U	5.7 U	5.4 U	5.3 U	5.4 U	5.4 U	5.3 U	5.2 U
ANTHRACENE	-	2100	5.2 U	5.7 U	5.4 U	5.3 U	5.4 U	5.4 U	5.3 U	5.2 U
CARBAZOLE	-	1.8	0.77 U	0.85 U	0.8 U	0.78 U	0.79 U	0.79 U	0.78 U	0.77 U
DIBENZOFURAN	-	28	5.2 U	5.7 U	5.4 U	5.3 U	5.4 U	5.4 U	5.3 U	5.2 U
FLUORANTHENE	-	280	5.2 U	5.7 U	5.4 U	5.3 U	5.4 U	5.4 U	5.3 U	5.2 U
FLUORENE	-	280	5.2 U	5.7 U	5.4 U	5.3 U	5.4 U	5.4 U	5.3 U	5.2 U
NAPHTHALENE	-	14	5.2 U	5.7 U	5.4 U	5.3 U	5.4 U	5.4 U	5.3 U	5.2 U
PHENANTHRENE	-	210	5.2 U	5.7 U	5.4 U	5.3 U	5.4 U	5.4 U	5.3 U	5.2 U
PHENOL	-	10	5.2 UJ	5.7 UJ	5.4 UJ	5.3 UJ	5.4 UJ	5.4 UJ	5.3 UJ	5.2 UJ
PYRENE	-	210	5.2 U	5.7 U	5.4 U	5.3 U	5.4 U	5.4 U	5.3 U	5.2 U

Notes:

B - Indicates analyte was detected in the field blank.

U - Indicates analyte was not detected above the method detection limit (MDL)

J - Indicates result is estimated

Concentration exceeds Florida GCTL

Concentration exceeds Federal MCL

(1) Federal Mazimum Contaminant Levels (MCLs) represent the National Primary Drinking Water Standards.

(2) Florida Groundwater Cleanup Target Levels (GCTLs) are guidelines set forth in 62-777 Florida Administrative Code (F.A.C.).

(3) 3-Methylphenol and 4-Methylphenol cannot be quantified separately using USEPA SW-846 Method 8270C.