



March 3, 2006

Ms. Amy McLaughlin
Remedial Project Manager
U.S. Environmental Protection Agency, Region IV
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MAR 06 2006

PROTECTION
DEPARTMENT

**RE: 2005 Fourth Quarter Floridan Aquifer Groundwater Monitoring Report
Cabot Carbon/Koppers Superfund Site
Gainesville, Florida**

Dear Ms. McLaughlin:

On behalf of Beazer East, Inc. (Beazer), The RETEC Group, Inc. (RETEC) hereby submits the 2005 Fourth Quarter Floridan Aquifer Groundwater Monitoring Report for the Cabot Carbon/Koppers Superfund Site in Gainesville, Florida. RETEC conducted this sampling in accordance with the *Revised Floridan Aquifer Monitoring Plan, Cabot Carbon/Koppers Superfund Site, Gainesville, Florida* (Monitoring Plan) (TRC Environmental Solutions, Inc. [TRC], 2004)¹. This report documents the field and laboratory results of the groundwater monitoring event performed on December 13 and 14, 2005.

Monitoring Procedures

In this event, the RETEC field crew gauged and sampled wells FW-2, FW-3, FW-4, FW-5, FW-6, FW-7, FW-8, FW-9, and MWTP-MW-1 as required in the Monitoring Plan. The Monitoring Plan specified quarterly sampling of wells FW-3 and FW-6 with semiannual (2nd and 4th quarters) sampling of the remaining seven wells.

In accordance with the Monitoring Plan, the RETEC field crew:

- Gauged and recorded depth to water, depth to non-aqueous phase liquid (NAPL) if present, and total well depth in the nine Upper Floridan Aquifer wells (Figure 1)
- Purged the nine wells to be sampled and measured and recorded field parameters while purging
- Collected groundwater samples for analysis of the parameters listed in Table 2 of the Monitoring Plan.

The RETEC field crew sampled the nine wells by low-flow/low-stress methods using a bladder pump (Teflon® bladder and Teflon®-lined tubing). While purging, they measured and recorded pH, specific conductance, temperature, dissolved oxygen, oxidation-reduction potential, and turbidity to document changes in purge water quality. They continued purging until the field parameters stabilized (as required in the Monitoring Plan) and then collected the groundwater samples. Attachment A contains copies of the field forms.

¹ TRC Environmental Solutions, Inc., 2004. *Revised Floridan Aquifer Monitoring Plan, Cabot Carbon/Koppers Superfund Site, Gainesville, Florida*. June 23, 2004.

Ms. Amy McLaughlin
March 3, 2006
Page 2

The field crew submitted the groundwater samples to Columbia Analytical Services Inc. of Jacksonville, Florida. Upon receipt of the analytical data, RETEC reviewed it for completeness and quality using the protocols of the United States Environmental Protection Agency (USEPA) National Functional Guidelines (USEPA 1999² and 2002³) and USEPA method specifications. Attachment B includes the analytical reports and the Data Evaluation Report.

Groundwater Flow Patterns

At the start of the event, RETEC measured and recorded groundwater levels in the nine Upper Floridan monitoring wells. Beginning with 2nd quarter 2005 event, RETEC initiated a new procedure for measuring water levels at these wells: the technician collects two rounds of water levels on the same day using the same instrument and the resulting data are compared as a quality control check on the field measurements. The data from both gauging rounds were in agreement (± 0.05 feet). Using the data from the second round of gauging, the resulting calculated groundwater elevations are summarized on Table 1, and the groundwater potentiometric surface map is presented as Figure 1. Please note, well FW-5 was damaged and repaired in the spring of 2005; however, the measuring point elevation has not been resurveyed. Therefore, a groundwater elevation could not be calculated for well FW-5 for this event. Well FW-5 is scheduled to be resurveyed along with the new Upper Floridan Aquifer wells currently being installed at the Site.

From July 2004 through September 2005, the potentiometric surface elevation for the Upper Floridan Aquifer rose by approximately 8.7 feet. However, between September and December 2005, the potentiometric surface elevation decreased by approximately 0.14 feet. Attachment C contains temporal plots of groundwater elevation versus time. As shown on Figure 1, the December 2005 groundwater gradient in the Upper Floridan Aquifer is low, with an average value of 0.00051 feet/feet. The Upper Floridan Aquifer average groundwater flow direction at the Site is to the north and northeast. The hydraulic gradient and groundwater flow direction measured in the 4th quarter 2005 are consistent with those observed in the 3rd quarter 2005 event.

NAPL has never been detected in any of the Upper Floridan Aquifer wells at the Site, since the monitoring program began in 2003. Similar to previous monitoring results, NAPL was not detected nor were any sheens observed in any Upper Floridan Aquifer wells during the 4th quarter 2005 groundwater monitoring event (Attachment A).

Groundwater Quality Results

Groundwater samples were collected from nine Upper Floridan Aquifer monitoring wells. Table 2 presents a summary of the field parameter measurements and analytical results with their method-detection limits. Figure 1 shows the spatial distribution of results from this event for select constituents of interest (naphthalene, benzene, 2,4-dimethylphenol, 2-methylphenol, 3&4-methylphenol, and dissolved arsenic). Attachment C contains temporal plots of concentration versus time for these constituents.

As discussed in the Data Evaluation Report (Appendix B), the following data quality issues were observed in the review of the analytical results for organic constituents.

² USEPA, 1999. USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (EPA-540/R-99-008); October 1999.

³ USEPA, 2002. USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review (EPA540-R-01-008); July 2002.

Ms. Amy McLaughlin
March 3, 2006
Page 3

- The laboratory received the samples FW-8, ERB-01, MWTP-MW-1, FW-9, FW-2, and FW-2-DUP unpreserved and with minimal time left to analyze. The laboratory analyzed the samples one day outside the 7-day holding time for unpreserved samples. All associated results were non-detect and were qualified as estimates "UJ," due to the holding time exceedances and the lack of preservation.
- For sample FW-6, the positive 2,4-dimethylphenol, 2-methylnaphthalene, benzo(a)anthracene, fluoranthene, and phenanthrene results were qualified as estimated concentrations ("J") because the MS and/or MSD percent recoveries were greater than the upper advisory limits (greater than 88%, 91%, 104%, 103%, and 95%, respectively). The cause of these high biases is attributable to matrix interference.
- Dissolved arsenic, chromium, copper, and zinc were detected in one or more of the laboratory quality control or field blanks at concentrations estimated below the reporting limits. For all samples, the dissolved chromium, copper, and zinc results that were between the method detection limit and the reporting limit were qualified as non-detect ("U*") due to ambient contamination. None of the dissolved arsenic results were qualified since they were all above the reporting limit.

Finally, please note that 3-methylphenol and 4-methylphenol cannot be separately quantified because their peaks co-elute in the mass spectrometry.

For this sampling event, groundwater from only one well (FW-6) contained organic constituent concentrations above their respective Florida Groundwater Cleanup Target Levels (GCTLs) and/or the Florida maximum contaminant levels (MCLs) for drinking water. For well FW-3, none of the organic constituents exceeded GCTLs or MCLs. Historically, well FW-3 is the only other Upper Floridan well at the site with organic constituent concentrations (typically benzene) above their respective GCTLs/MCLs. Benzene was not detected in well FW-3 during the 4th quarter 2005 event, but historically its concentration has fluctuated from non-detect to slightly above the Florida GCTL/MCL of 1 µg/L (Appendix C).

In the 4th quarter 2005 event, the FW-6 naphthalene concentration was 1,500 µg/L, which is an increase from the 3rd quarter 2005 concentration (840 µg/L) but is within the range of historical data for this well (840 µg/L to 2,560 µg/L) as shown on the graph contained in Appendix C. Even so, the 4th quarter result represents a 41 percent reduction in naphthalene concentrations in well FW-6 since the first sample collected on July 12, 2004 (2,560 µg/L).

In the current event, only two wells (FW-3 and FW-9) had dissolved arsenic concentrations above the Florida GCTL/MCL of 10 µg/L. The dissolved arsenic concentration in FW-3 in the 4th quarter 2005 was 28 µg/L, which is approximately the same as the 3rd quarter 2005 event (33 µg/L) and represents a 58-percent reduction from the maximum result reported for this well (66.2 µg/L in April 2004). The dissolved arsenic concentration in FW-9 in the 4th quarter 2005 was 24 µg/L. Well FW-9 has only been sampled two other times, with dissolved arsenic concentrations of 12 µg/L and 12.9 µg/L in November 2004 and 23 µg/L in June 2005. While there originally appeared to be an increase in dissolved arsenic concentration for this well, it now appears to be stable; however, more data is needed to evaluate the trend in this well. Well FW-9 is located both upgradient and side-gradient to the Koppers Inc. site.

The only other well with a history of repeated dissolved arsenic concentrations above the Florida GCTL/MCL of 10 µg/L is well FW-7. In the 4th quarter 2005 event, its dissolved arsenic concentration

Ms. Amy McLaughlin
March 3, 2006
Page 4

(8.4 µg/L) was below the Florida GCTL/MCL for the first time. This represents a 68-percent reduction from the 2nd quarter 2005 event (26 µg/L) and represents a 95-percent reduction from the maximum result reported for this well (167 µg/L in November 2004).

It is also worth noting that the dissolved arsenic concentration for FW-5 in the 2nd quarter 2005 event (12 µg/L) appears to have been an anomaly. The 4th quarter 2005 result was an order of magnitude lower (1.1 µg/L) and was consistent with historic data from this well (ranging from 1.91 µg/L to 4.26 µg/L).

The continued reduction in dissolved arsenic is consistent with the conceptual model of the dissolution and mobilization of naturally occurring arsenic due to the introduction of oxygenated drilling fluids. Beazer has implemented a comprehensive geochemical investigation of the Upper Floridan Aquifer to evaluate arsenic concentrations and geochemical controls. This investigation will expand the arsenic study performed by Dr. Pichler, on behalf of the Gainesville Regional Utilities (GRU).

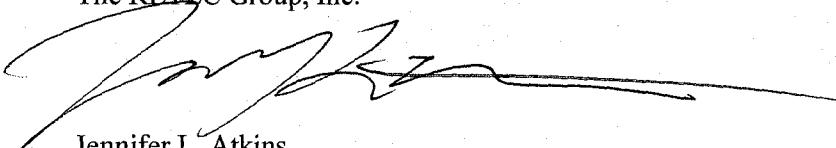
Summary

In summary, the 4th quarter 2005 groundwater sampling results are consistent with previous sampling events and indicate that wide-spread groundwater impacts are not present in the Upper Floridan Aquifer beneath the Site. The only Upper Floridan Aquifer well that currently contains select organic constituent concentrations above State groundwater and drinking water quality standards is FW-6. Similarly, arsenic concentrations continue to decline in well FW-3. Beazer will continue the groundwater monitoring and evaluation of the potential impacts to the Floridan Aquifer, as required by the Monitoring Plan.

Should you have any questions regarding these results, please feel free to contact Mr. Michael Slenska, Beazer Environmental Manager, at (412) 208-8867.

Sincerely,

The RETEC Group, Inc.



Jennifer L. Atkins
Groundwater Monitoring Task Manager

JA:mvc

Attachments

cc: K. Helton, FDEP
J. Herbert, Jones Edmunds & Associates, Inc.
J. Mousa, ACEPD
B. Goodman, GRU
M. Slenska, Beazer (CD-ROM)
L. Paul, Koppers Inc. (CD-ROM)
K. Fromme, Key Environmental (Site copy)
J. Erickson, GeoTrans, Inc.
J. Mercer, GeoTrans, Inc.

Tables



Table 1
Summary of Groundwater Elevations
2005 Fourth Quarter Floridan Aquifer Groundwater Monitoring Event
Cabot Carbon/Koppers Superfund Site, Gainesville, FL

Well Number	Gauging Date	Top of Casing Elevation (ft msl)	Depth to Water* (ft TOC)	Groundwater Elevation (ft msl)	Measured Total Depth (ft TOC)
FW-2	12/13/05	183.83	131.86	51.98	159.72
FW-3	12/13/05	188.56	136.50	52.06	156.40
FW-4	12/13/05	173.91	122.48	51.43	159.76
FW-5	12/13/05	NA	130.26	NA	159.92
FW-6	12/13/05	185.23	133.56	51.67	162.80
FW-7	12/13/05	168.55	117.30	51.26	157.21
FW-8	12/13/05	186.96	134.23	52.74	152.50
FW-9	12/13/05	184.55	132.51	52.04	155.80
MWTP-MW-1	12/13/05	160.94	110.89	50.06	169.00

Notes

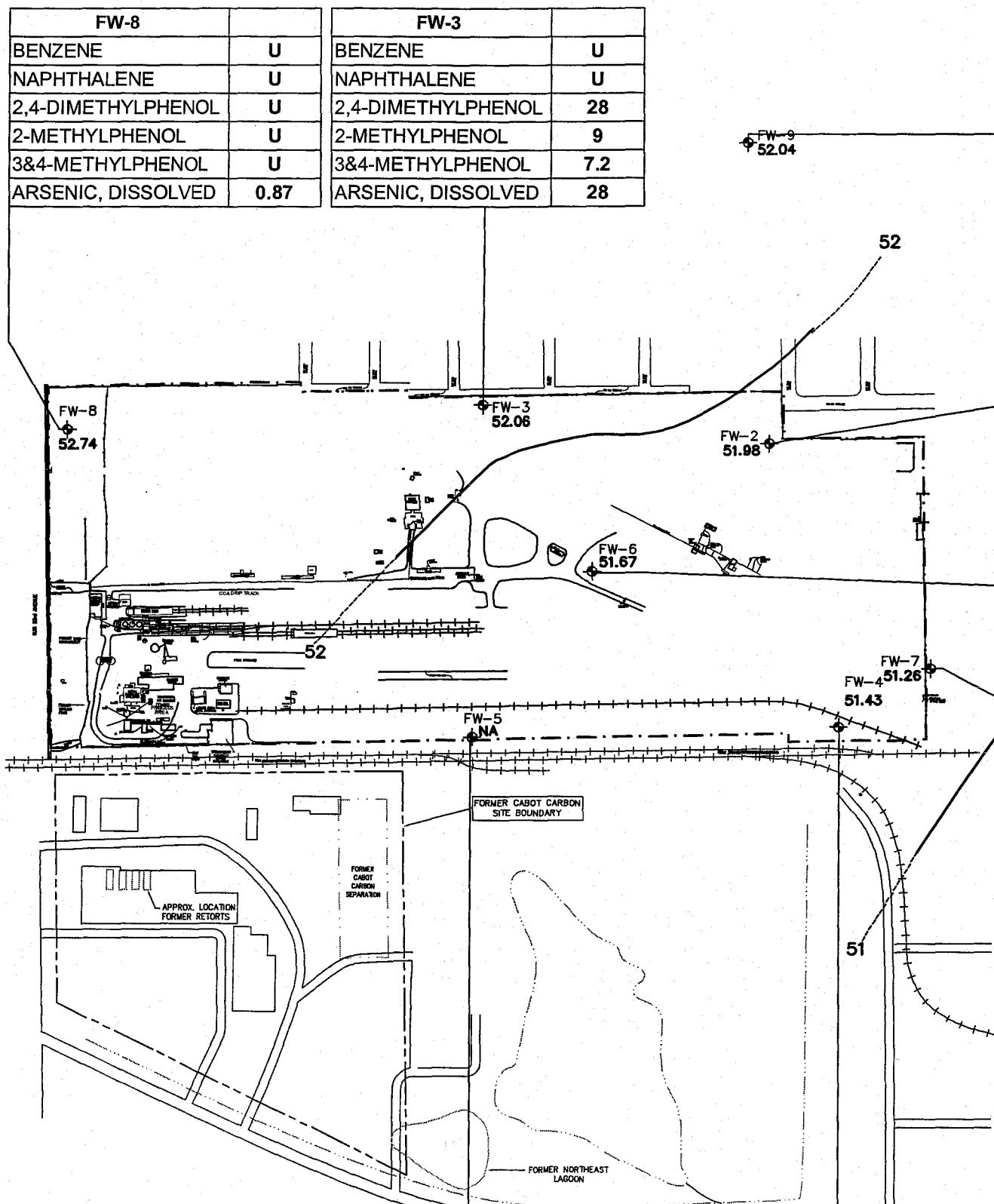
ft msl - feet above mean sea level

ft TOC - feet below top of casing

NA - not available

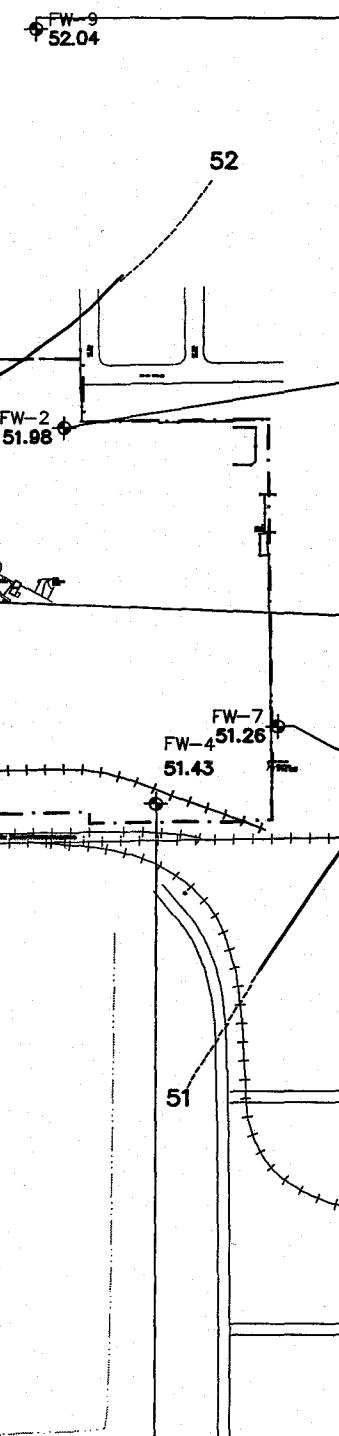
* Depth to Water measurements are from the second round of gauging conducted on 12/13/05.

Well FW-5 was damaged and repaired in March 2005. The Top of Casing elevation has not been resurveyed.



FW-8	
BENZENE	U
NAPHTHALENE	U
2,4-DIMETHYLPHENOL	U
2-METHYLPHENOL	U
3&4-METHYLPHENOL	U
ARSENIC, DISSOLVED	0.87

FW-3	
BENZENE	U
NAPHTHALENE	U
2,4-DIMETHYLPHENOL	28
2-METHYLPHENOL	9
3&4-METHYLPHENOL	7.2
ARSENIC, DISSOLVED	28



FW-9	
BENZENE	U
NAPHTHALENE	U
2,4-DIMETHYLPHENOL	U
2-METHYLPHENOL	U
3&4-METHYLPHENOL	U
ARSENIC, DISSOLVED	24

FW-2	
BENZENE	U
NAPHTHALENE	U
2,4-DIMETHYLPHENOL	U
2-METHYLPHENOL	U
3&4-METHYLPHENOL	U
ARSENIC, DISSOLVED	1.5

FW-6	
BENZENE	7.6
NAPHTHALENE	1500 D
2,4-DIMETHYLPHENOL	17 J
2-METHYLPHENOL	5.4
3&4-METHYLPHENOL	8.7
ARSENIC, DISSOLVED	1.3

FW-7	
BENZENE	U
NAPHTHALENE	U
2,4-DIMETHYLPHENOL	U
2-METHYLPHENOL	U
3&4-METHYLPHENOL	U
ARSENIC, DISSOLVED	8.4

MWTP-MW-1	
BENZENE	U
NAPHTHALENE	U
2,4-DIMETHYLPHENOL	U
2-METHYLPHENOL	U
3&4-METHYLPHENOL	U
ARSENIC, DISSOLVED	1.4

FW-5	
BENZENE	U
NAPHTHALENE	U
2,4-DIMETHYLPHENOL	U
2-METHYLPHENOL	U
3&4-METHYLPHENOL	U
ARSENIC, DISSOLVED	1.1

FW-4	
BENZENE	U
NAPHTHALENE	U
2,4-DIMETHYLPHENOL	U
2-METHYLPHENOL	U
3&4-METHYLPHENOL	U
ARSENIC, DISSOLVED	0.52

NOTES

CONCENTRATIONS IN ug/L

U - INDICATES ANALYTE WAS NOT DETECTED ABOVE THE METHOD DETECTION LIMIT.

J - INDICATES RESULT IS ESTIMATED.

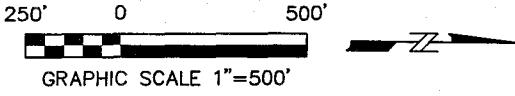
D - INDICATES RESULT IS FROM REANALYSIS OF THE SAMPLE AT A SECOND DILUTION.

THE HIGHEST RESULT FOR EACH ANALYTE FROM THIS SAMPLING EVENT IS PRESENTED.
THE WELLS WERE GAUGED AND SAMPLED ON DECEMBER 13-14, 2005.

LEGEND

- ID GW-ELEV. MONITORING WELL WITH GROUNDWATER ELEVATION
- GW-ELEV. GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED)
- PROPERTY LINE (APPROXIMATE) EASEMENT
- ROAD
- DITCH
- FENCE
- ELECTRIC UTILITY
- WATER UTILITY
- GAS UTILITY
- SEWER UTILITY

NA GROUNDWATER ELEVATION FOR FW-5 IS NOT AVAILABLE BECAUSE MEASURING POINT ELEVATION NEEDS TO BE RESURVEYED.



GROUNDWATER COMPLIANCE MONITORING
BEAZER EAST INC.
BEAZ7-03610
DATE: 12/29/04 DRWN: Bcv/CON

GROUNDWATER ELEVATION CONTOURS
FLORIDAN AQUIFER 4th QUARTER 2005
CABOT CARBON/KOPPERS SUPERFUND SITE
GAINESVILLE, FLORIDA
FIGURE: 1

Attachment A

Field Forms

Low Stress (Low-Flow) Groundwater Sampling Form

Gauging Date: 12/13/05

Low Stress (Low-Flow) Groundwater Sampling Form

Gauging Date: 12/13/05

PROJECT NAME: Gainesville, FL	Weather: SUNNY 56°	SAMPLED BY: J. LEAVENS, B. HOGUE	
PROJECT NUMBER: BEAZ7-03610-091		WELL NUMBER: FW-4	
WELL/GAUGING INFORMATION			
Total Depth (ft):	159.76	Well Condition:	6000
Depth to Water (ft):	122.48	Visual Observation of Product:	NO
Water Column (ft):	37.28	Depth to product (ft):	—
Well Diameter (in):	2	Circle (if applicable):	DNAPL LNAPL
Casing Volume (gal):	6.0	Thickness Description:	—
Purge Volume (gal):	(3x)	Odor Description:	NONE

SAMPLE COLLECTION		Well/Sample I.D.: FW-4																																			
Sample Collection Date & Time:	12/13/05 08:00	Sampling Pump Rate* (ml/min or gal/min): 150																																			
Collection Method:	BLADDER PUMP																																				
Sampling Equipment:	GEOTECH SS PUMP & TEFILON BAILER																																				
Laboratory:	COLUMBIA ANALYTICAL SERVICES																																				
Shipped By:	FEDEX	COC Form #:																																			
Decon Method:	DI WATER & ISOPROPANOL	COC Seal: yes no																																			
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding-bottom: 2px;">Analysis</th> <th style="text-align: left; padding-bottom: 2px;">Method</th> <th style="text-align: left; padding-bottom: 2px;">Container</th> <th style="text-align: left; padding-bottom: 2px;"># Bottles</th> <th style="text-align: left; padding-bottom: 2px;">Preservative</th> </tr> </thead> <tbody> <tr> <td>BTEX</td> <td>8260B</td> <td>40 mL VOA</td> <td>3</td> <td>HCl - NONE</td> </tr> <tr> <td>SVOCs</td> <td>8270C</td> <td>1 L Amber glass</td> <td>2</td> <td>None</td> </tr> <tr> <td>Dissolved As, Cr, Cu, Zn</td> <td>6020</td> <td>125-500 mL Plastic</td> <td>1</td> <td>HNO3</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>			Analysis	Method	Container	# Bottles	Preservative	BTEX	8260B	40 mL VOA	3	HCl - NONE	SVOCs	8270C	1 L Amber glass	2	None	Dissolved As, Cr, Cu, Zn	6020	125-500 mL Plastic	1	HNO3															
Analysis	Method	Container	# Bottles	Preservative																																	
BTEX	8260B	40 mL VOA	3	HCl - NONE																																	
SVOCs	8270C	1 L Amber glass	2	None																																	
Dissolved As, Cr, Cu, Zn	6020	125-500 mL Plastic	1	HNO3																																	

LOW FLOW PURGE AND MONITORING INFORMATION											
Purge Method:	LOW FLOW			Pump Inlet Placement Depth (ft): 153.00	Total Well Depth after Pump Removal (ft): 159.76						
Start Purge Date:	12/13/05			Depth to Water after Pump Placement (ft)	122.50						
Start Purge Time:	0650			End Purge Time:	0752			Total Volume Purged: 1.50 gallons			
Date & Time	Pump Flow Rate* (ml/min or gal/min)	Volume	ORP [eH] (mV)	Dissolved Oxygen (mg/L)	Conductivity (umhos/cm)	Turbidity (NTUs)	Temp. (°C)	pH (SI Unit)	DTW (ft)	Notes	
Stabilization Criteria:				+/- 10 mV	+/- 10%	+/- 3%	+/- 10% for values >10 NTU	+/- 3%	+/- 0.1	<0.3 ft.	
12/13/05	150	<<< Start-up									
0720	0.25	-129	6.50	325	18	17.20	7.83	122.57			
0724	0.50	-156	2.22	343	5	18.84	7.69	122.48			
0723	0.75	-179	1.14	352	3	19.78	7.61	122.52			
0740	1.00	-187	0.91	354	3	20.13	7.57	122.50			
0741	1.25	-190	0.77	354	3	20.07	7.55	122.52			
↓ 0752	1.50	-191	0.75	354	3	20.07	7.55	122.57			

COMMENTS

Low Stress (Low-Flow) Groundwater Sampling Form

Gauging Date: 12/13/05

Low Stress (Low-Flow) Groundwater Sampling Form

Gauging Date: 12/13/05

Low Stress (Low-Flow) Groundwater Sampling Form

Gauging Date: 12/13/05

PROJECT NAME: Gainesville, FL	Weather: Sunny 58°	SAMPLED BY: J. LEAVER, R. HODGE								
PROJECT NUMBER: BEAZ7-03610-091		WELL NUMBER: FW-7								
WELL GAUGING INFORMATION										
Total Depth (ft):	157.21	Well Condition:	6000							
Depth to Water (ft):	117.30	Visual Observation of Product:	NO							
Water Column (ft):	39.91	Depth to product (ft):	—							
Well Diameter (in):	2	Circle (if applicable):	DNAPL							
Casing Volume (gal):	6.5	Thickness Description:	—							
Purge Volume (gal):	(3x)	Odor Description:	NONE							
SAMPLE COLLECTION										
Sample Collection Date & Time:	12/14/05 1400	Well/Sample I.D.:	FW-7							
Collection Method:	BLADDER PUMP	Sampling Pump Rate* (ml/min or gal/min):	150							
Sampling Equipment:	GEOTECH SS PUMP & TEFILON BAILER									
Laboratory:	COLUMBIA ANALYTICAL SERVICES									
Shipped By:	FEDEX	COC Form #:	COC Seal: yes no							
Decon Method:	DI WATER & ISOPROPANOL									
Analysis	Method	Container	# Bottles	Preservative						
BTEX	8260B	40 mL VOAs	3	HCl						
SVOCs	8270C	1 L Amber glass	2	None						
Dissolved As, Cr, Cu, Zn	6020	500 mL Plastic	1	HNO3						
LOW FLOW PURGE AND MONITORING INFORMATION										
Purge Method:	LOW FLOW	Pump Inlet Placement Depth (ft):	151.00	Total Well Depth after Pump Removal (ft): 157.21						
Start Purge Date:	12/14/05	Depth to Water after Pump Placement (ft):	117.22							
Start Purge Time:	1300	End Purge Time:	1355	Total Volume Purged: 2 gal						
Date & Time	Pump Flow Rate* (ml/min or gal/min)	Volume Purged (Gallons)	ORP [eH] (mv)	Dissolved Oxygen (mg/L)	Conductivity (umhos/cm)	Turbidity (NTUs)	Temp. (°C)	pH (SI Unit)	DTW (ft)	Notes
Stabilization Criteria:			+/- 10 mV	+/- 10%	+/- 3%	+/- 10% for values >10 NTU	+/- 3%	+/- 0.1	<0.3 ft.	
12/14/05	150	<<< Start-up								
1307	0.25	-165	3.03	362	4	20.98	8.63	117.37		
1313	0.50	-163	1.76	373	3	21.01	8.34	117.34		
1320	1.75	-172	1.02	380	3	21.04	8.11	117.52		
1327	1.00	-181	0.76	381	3	21.02	7.95	117.35		
1334	1.25	-184	0.66	382	3	21.01	7.86	117.35		
1340	1.50	-189	0.59	381	3	21.01	7.76	117.35		
1347	1.75	-194	0.50	380	3	21.00	7.67	117.35		
1355	2.00	-196	0.48	378	3	20.99	7.66	117.34		
COMMENTS										
<p> </p>										

Low Stress (Low-Flow) Groundwater Sampling Form

Gauging Date: 12/13/05

PROJECT NAME: Gainesville, FL	Weather: SUNNY 46°	SAMPLED BY: J. LIBAVER, P. HOGUE																																
PROJECT NUMBER: BEAZ7-03610-091		WELL NUMBER: FW-8																																
WELL GAUGING INFORMATION																																		
Total Depth (ft):	152.50	Well Condition:	Good																															
Depth to Water (ft):	134.23	Visual Observation of Product:	NONE																															
Water Column (ft):	18.27	Depth to product (ft):	—																															
Well Diameter (in):	2	Circle (if applicable):	DNAPL LNAPL																															
Casing Volume (gal):	2.98	Thickness Description:	—																															
Purge Volume (gal):	(3x)	Odor Description:	NONE																															
SAMPLE COLLECTION																																		
Sample Collection Date & Time:	12/13/05 1210	Well/Sample I.D.:	FW-8																															
Collection Method:	BLADDER PUMP	Sampling Pump Rate* (ml/min or gal/min):	80																															
Sampling Equipment:	GEOTECH SS PUMP & TEFLON BAILER																																	
Laboratory:	COLUMBIA ANALYTICAL SERVICES																																	
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Dissolved As, Cr, Cu, Zn	6020	125 500 mL Plastic	1	HNO3																														
LOW FLOW PURGE AND MONITORING INFORMATION																																		
Purge Method:	LOW FLOW	Pump Inlet Placement Depth (ft):	145.00	Total Well Depth after Pump Removal (ft): 152.50																														
Start Purge Date:	12/13/05	Depth to Water after Pump Placement (ft):	134.30																															
Start Purge Time:	1110	End Purge Time:	1210	Total Volume Purged: 1.0 GALLON																														
Date & Time	Pump Flow Rate* (ml/min or gal/min)	Volume Purged (Gallons)	ORP (eH) (mv)	Dissolved Oxygen (mg/L)	Conductivity (umhos/cm)	Turbidity (NTUs)	Temp. (°C)	pH (SI Unit)	DTW (ft)	Notes																								
		Stabilization Criteria:	+/- 10 mV	+/- 10%	+/- 3%	+/- 10% for values >10 NTU	+/- 3%	+/- 0.1	<0.3 ft.																									
12/13/05 1120	80	<<< Start-up																																
1125		0.10	-42	3.76	380	82	19.70	7.40	134.27																									
1130		0.20	-51	2.37	387	63	20.50	7.40	134.34																									
1135		0.30	-60	1.98	389	46	20.82	7.40	134.38																									
1139		0.40	-66	1.70	390	42	20.91	7.41	134.28																									
1144		0.50	-68	1.63	390	40	21.01	7.41	134.29																									
1150		0.60	-75	1.47	385	27	20.58	7.41	134.36																									
1155		0.70	-80	1.31	382	22	20.31	7.40	134.36																									
1200		0.80	-78	1.22	381	17	20.30	7.38	134.35																									
1205		0.90	-82	1.12	381	14	20.48	7.39	134.28																									
V 1210	↓	1.00	-83	1.10	382	13	20.89	7.40	134.29																									
COMMENTS																																		
<p> </p> <p> </p> <p> </p> <p> </p> <p> </p> <p> </p>																																		

Low Stress (Low-Flow) Groundwater Sampling Form

Gauging Date: 12/13/05

Low Stress (Low-Flow) Groundwater Sampling Form

Gauging Date: 12/13/05

PROJECT NAME: Gainesville, FL		Weather: SUNNY 56°	SAMPLED BY: J. LEAVER, B. HOGUE							
PROJECT NUMBER: BEAZ7-03610-091		WELL NUMBER: MWTP-mw-1								
WELL GAUGING INFORMATION										
Total Depth (ft):	169.00	Well Condition:	6000							
Depth to Water (ft):	110.89	Visual Observation of Product:	NO							
Water Column (ft):	58.11	Depth to product (ft):	—							
Well Diameter (in):	2	Circle (if applicable):	DNAPL LNAPL							
Casing Volume (gal):	9.47	Thickness Description:	—							
Purge Volume (gal): (3x)		Odor Description:	NONE							
SAMPLE COLLECTION										
Sample Collection Date & Time:	12/13/05 1410	Well/Sample I.D.:	MWTP-mw-1							
Collection Method:	BLADDER PUMP	Sampling Pump Rate* (ml/min or gal/min):	100							
Sampling Equipment:	GEOTECH SS PUMP & TEFLOON BAILER									
Laboratory:	COLUMBIA ANALYTICAL SERVICES									
Shipped By:	FEDEX	COC Form #:	COC Seal: yes no							
Decon Method:	DI WATER & ISOPROPANOL									
Analysis	Method	Container	# Bottles	Preservative						
BTEX	8260B	40 mL VOAs	3	— None						
SVOCs	8270C	1 L Amber glass	2	None						
Dissolved As, Cr, Cu, Zn	6020	125-500 mL Plastic	1	HNO3						
LOW FLOW PURGE AND MONITORING INFORMATION										
Purge Method:	LOW FLOW	Pump Inlet Placement Depth (ft):	162.00	Total Well Depth after Pump Removal (ft):	169.00					
Start Purge Date:	12/13/05	Depth to Water after Pump Placement (ft):	110.84							
Start Purge Time:	1300	End Purge Time:	1404	Total Volume Purged:	1.6 GALLONS					
Date & Time	Pump Flow Rate* (ml/min or gal/min)	Volume Purged (Gallons)	ORP (eH) (mv)	Dissolved Oxygen (mg/L)	Conductivity (umhos/cm)	Turbidity (NTUs)	Temp. (°C)	pH (SI Unit)	DTW (ft)	Notes
Stabilization Criteria:			+/- 10 mV	+/- 10%	+/- 3%	+/- 10% for values >10 NTU	+/- 3%	+/- 0.1	<0.3 ft.	
12/13/05 1300	100	<<< Start-up								
1308		0.2	-112	3.08	516	471	22.22	7.34	110.82	
1314		0.4	-130	2.20	517	380	22.40	7.53	110.83	
1320		0.6	-144	1.22	519	261	22.64	7.30	110.85	
1327		0.8	-144	0.98	518	184	22.64	7.28	110.84	
1340		1.0	-148	0.74	518	146	22.64	7.26	110.80	
1348		1.2	-161	0.64	518	107	22.66	7.31	110.82	
1356		1.4	-145	0.58	517	93	22.59	7.24	110.80	
V 1404	↓	1.6	-151	0.57	517	89	22.57	7.28	110.82	
COMMENTS										

Well Sampling Checkoff Sheet
Fourth Quarter 2005 Floridan Sampling - Gainesville, FL

Wells	Date/Time Sampled	pH (S.U.)	Conductivity (umhos/cm)	Temperature (oC)	DO (mg/L)	ORP (mv)	Turbidity (NTU)	BTEX (8260B)	SVOCs ** (8270C)	Dissolved As, Cr, Cu, Zn (6020)	Comments
W-2	12/13/05 1700	8.28	339	21.53	0.87	-183	24	✓	✓	✓	TOOK DUPLICATE
W-3	12/14/05 1050	11.04	754	21.43	0.88	-261	3	✓	✓	✓	
W-4	12/14/05 0800	7.55	354	20.07	0.75	-191	3	✓	✓	✓	
W-5	12/14/05 840	8.40	377	19.80	0.78	-272	8	✓	✓	✓	
W-6	12/14/05 1545	9.63	462	22.55	0.70	-256	3	✓	✓	✓	TOOK MSO1/MSD01
W-7	12/14/05 1400	7.66	378	20.99	0.48	-196	3	✓	✓	✓	
W-8	12/13/05 1210	7.40	382	20.39	1.10	-83	13	✓	✓	✓	
W-9	12/13/05 1555	7.30	499	21.60	0.71	-132.1	9	✓	✓	✓	
IWTP-MW-1	12/13/05 1410	7.28	577	22.57	0.57	-157	89	✓	✓	✓	
trip Blank	12/14/05 _____							✓			
uplicate	12/13/05 1700							✓	✓	✓	ON FW-2
IS/MSD	12/14/05 1545							✓	✓	✓	on FW-6
ield Blank	12/14/05 0930							✓	✓	✓	NEAR FW-5
ilter Blank	12/13/05 1400									✓	
quipment	ul 13/05 1130							✓	✓	✓	on BLAINE RAMP
lnsite Blank	12/14/05 0820							✓	✓	✓	" " "

Note which well was sampled for duplicates, MS/MSD's, and field blanks and check off each analysis which was requested.

In the date and time the well was sampled, check off each box where a sample was collected, and note if a well was dry or if there were any other problems with the sampling.

Check this sheet and your Chain of Custody Forms at the end of EACH sampling day to Greg Malzone in the Pittsburgh office at fax number 412-380-0141

Select SVOCs: Phenols – Phenol, 2,4-Dimethylphenol, 2,3 and 4-methylphenol (cresols), Pentachlorophenol. PAHs – Acenaphthene, Acenaphthylene, Anthracene, Benz(a)anthracene, Benz(a)pyrene, Benz(b)fluoranthene, Benzo(g,h,i)perylene, Benz(k)fluoranthene, Chrysene, Carbazole, Dibenz(a,h)anthracene, Dibenzofuran, Fluoranthene, Fluorene, Indeno(1,2,3-cd)pyrene, 2-Methylnaphthalene, Naphthalene, Phenanthrene, Pyrene

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

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PAGE 2 OF 2

SR #

CAS Contact

Project Name <i>PIAZZA / GAINESVILLE</i>		Project Number <i>REAR27-03610-071</i>		ANALYSIS REQUESTED (Include Method Number and Container Preservative)														
Project Manager <i>SEAN ATKINS</i>		Report CC		PRESERVATIVE <i>002</i>														
Company/Address <i>THE RETEC GROUP</i> <i>300 BAKER AVE.</i> <i>WOBURN, MA 01742</i>				NUMBER OF CONTAINERS												Preservative Key		
Phone # <i>978-371-1422</i>		FAX# <i>371-1448</i>														0. NONE 1. HCL 2. HNO ₃ 3. H ₂ SO ₄ 4. NaOH 5. Zn. Acetate 6. MeOH 7. NaHSO ₄ 8. Other _____		
Sampler's Signature <i>Jeff Leaver</i>		Sampler's Printed Name <i>JEFF LEAVER</i>														REMARKS/ ALTERNATE DESCRIPTION		
CLIENT SAMPLE ID		LAB ID			SAMPLING DATE	TIME	MATRIX	3	2	1								
<i>FIELD BLANK</i>							X											
<i>FIELD BLANK</i>				<i>11/05/0930</i>		<i>6W</i>	X	X	X									
<i>Fw - 3</i>						<i>1050</i>												
<i>Fw - 7</i>						<i>1400</i>												
<i>Fw - 6</i>						<i>1545</i>												
<i>Fw - 6 MS01</i>						<i>1545</i>												
<i>Fw - 6 MS001</i>						<i>1545</i>	V	V	V									
SPECIAL INSTRUCTIONS/COMMENTS <i>FLORIDA</i>														TURNAROUND REQUIREMENTS	REPORT REQUIREMENTS	INVOICE INFORMATION		
														RUSH (SURCHARGES APPLY)	I. Results Only			
														STANDARD	II. Results + QC Summaries (LCS, DUP, MS/MSD as required)	Po#		
														REQUESTED FAX DATE	III. Results + QC and Calibration Summaries	BILL TO:		
														REQUESTED REPORT DATE	IV. Data Validation Report with Raw Data			
															V. Specialized Forms / Custom Report			
															Edata Yes No			
See QAPP <input type="checkbox"/>																		
SAMPLE RECEIPT: CONDITION/COOLER TEMP:							CUSTODY SEALS: Y N							RELINQUISHED BY		RECEIVED BY		
RELINQUISHED BY		RECEIVED BY		RELINQUISHED BY		RECEIVED BY		RELINQUISHED BY		RECEIVED BY								
<i>Jeff Leaver</i>		<i>RELEIVER</i>		<i>Signature</i>		<i>Signature</i>		<i>Signature</i>		<i>Signature</i>								
Signature		Signature		Signature		Signature		Signature		Signature								
Printed Name		Printed Name		Printed Name		Printed Name		Printed Name		Printed Name								
Firm		Firm		Firm		Firm		Firm		Firm								
Date/Time		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time								



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PAGE 1 OF 2

SR #

CAS Contact

Project Name <u>BEAVER / CONCORD</u>		Project Number <u>BEAZT-03610-091</u>		ANALYSIS REQUESTED (Include Method Number and Container Preservative)																	
Project Manager <u>Tony Atkins</u>		Report CC		PRESERVATIVE <u>P02</u>	NUMBER OF CONTAINERS <u>3 2 1</u> <u>2 2 0 3 0 5 1 2 1 5</u>											Preservative Key 0. NONE 1. HCl 2. HNO ₃ 3. H ₂ SO ₄ 4. NaOH 5. Zn. Acetate 6. MeOH 7. NaHSO ₄ 8. Other _____					
Company/Address <u>300 LAKEL AVE</u> <u>CONCORD, MA 01742</u> <u>THE RETEC Shcr</u>		Phone # <u>(718) 371-1422</u>				FAX# <u>371-1448</u>															
Sampler's Signature <u>Jeff Leaver</u>		Sampler's Printed Name <u>JEFF LEAVER</u>														REMARKS/ ALTERNATE DESCRIPTION					
CLIENT SAMPLE ID	LAB ID	SAMPLING DATE	TIME	MATRIX																	
<u>FW-8</u>		<u>11/18/05</u>	<u>1200</u>	<u>GW</u>	X	X	X														
<u>ERB-01</u>			<u>130</u>																		
<u>MW-1-MW-1</u>			<u>1410</u>																		
<u>FW-7</u>			<u>1550</u>																		
<u>FW-2</u>			<u>1700</u>																		
<u>FW-2 Auto</u>			<u>1100</u>			X	X														
<u>River Plant</u>			<u>1400</u>																		
<u>FW-4</u>		<u>11/19/05</u>	<u>0800</u>		X	X															
<u>FW-5</u>			<u>0920</u>																		
<u>ERB-02</u>		<u>11/19/05</u>	<u>0820</u>																		
SPECIAL INSTRUCTIONS/COMMENTS <u>Floridian</u>					TURNAROUND REQUIREMENTS				REPORT REQUIREMENTS				INVOICE INFORMATION								
					RUSH (SURCHARGES APPLY)				I. Results Only												
					STANDARD				II. Results + QC Summaries (LCS, DUP, MS/MSD as required)				PO#								
					REQUESTED FAX DATE				III. Results + QC and Calibration Summaries				BILL TO:								
					REQUESTED REPORT DATE				IV. Data Validation Report with Raw Data												
									V. Specialized Forms / Custom Report												
									Edata Yes No												
See QAPP <input type="checkbox"/>																					
SAMPLE RECEIPT: CONDITION/COOLER TEMP:					CUSTODY SEALS: Y N																
RELINQUISHED BY <u>Jeff Leaver</u>		RECEIVED BY <u>Jeff Leaver</u>		RELINQUISHED BY <u>Jeff Leaver</u>		RECEIVED BY <u>Jeff Leaver</u>		RELINQUISHED BY <u>Jeff Leaver</u>		RECEIVED BY <u>Jeff Leaver</u>		RECEIVED BY									
Signature <u>Jeff Leaver</u>		Signature <u>Jeff Leaver</u>		Signature <u>Jeff Leaver</u>		Signature <u>Jeff Leaver</u>		Signature <u>Jeff Leaver</u>		Signature <u>Jeff Leaver</u>		Signature									
Printed Name <u>Jeff Leaver</u>		Printed Name <u>Jeff Leaver</u>		Printed Name <u>Jeff Leaver</u>		Printed Name <u>Jeff Leaver</u>		Printed Name <u>Jeff Leaver</u>		Printed Name <u>Jeff Leaver</u>		Printed Name									
Firm <u>U.S. Star</u>		Firm <u>U.S. Star</u>		Firm <u>U.S. Star</u>		Firm <u>U.S. Star</u>		Firm <u>U.S. Star</u>		Firm <u>U.S. Star</u>		Firm									
Date/Time <u>11/19/05 0820</u>		Date/Time <u>11/19/05 0820</u>		Date/Time <u>11/19/05 0820</u>		Date/Time <u>11/19/05 0820</u>		Date/Time <u>11/19/05 0820</u>		Date/Time <u>11/19/05 0820</u>		Date/Time									

SITE: BEAZER / GAINESVILLE

FIELD INSTRUMENT CALIBRATION LOG

FIELD INSTRUMENT CALIBRATION LOG

SITE: BEAZER GAINESVILLE

2
Location BEAZER / GAINESVILLE Date 12/13/05
Project / Client RETEC TUE.

TASK: FLORIDAN GW SAMPLING
TECH: J. LEAVER, B. Hodge (EFM)
TEMP: sunny 50's

0700 - arrived at the site, signed in & meeting with Mike.

0710 - start gauging FW's

0910 - start 2nd round "

1050 - set up for sampling, calibrate meters.

1110 - start GW sampling on FW-8

1130 - took ER8-01 on bladder pump to be used on MWPA-mw-1.

1400 - took filter blank before using 0.45 micron filter on MWPA-mw-1.

1830 - finished sampling for today

3
Location GAINESVILLE cont. Date 12/14/05
Project / Client RETEC WED.

TASK: FLORIDAN GW SAMPLING
TECH: J. LEAVER, B. Hodge (EFM)
TEMP: sunny 60's

0630 - arrived at the site, sign in & calibrate meters.

0650 - resume GW sampling

0820 - took ER8-01 on bladder pump before using it on FW-5.

0930 - took field blank next to FW-5

1430 - Sean is sampling FW-6, Jeff to start sampling shallow sand bailed wells(5).

1530 - took ER8-01 on dedicated teflon bailer for ITW-20.

1940 - packing up samples

2000 - depart site

Location GAINESVILLE cont Date 12/15/05

Project / Client RETEC Thurs.

TASK: ANNUAL SHALLOW WELL SAMPLING

Techn: J. LEAVER, B. HODGE (EFM)

TEMP: Cloudy 60's

700 - arrived at the site, calibrate
PH/con 10 meter.

3730 - start sampling EW's well
Mike McKinney.

X - ITW-12 in recycling companies
lot is in a bad area with junk
pushed up against it. It needs
bollards installed & painted yellow.

1000 - finished EW's, packing up
samples & equipment.

1045 - left for Columbia Analytical lab
in Jacksonville.

1230 - dropped off samples, left for
Polaris, NC.

Attachment B

Analytical Laboratory Reports

Final Data Evaluation Report

Site: Beazer/Gainesville

Program/Event: Floridan Aquifer Monitoring /Q4-05

Laboratory: Columbia Analytical Services, Inc.

Analyses: Benzene, Toluene, Ethylbenzene, and Xylenes (BTEX) by SW-846 Method 8260B
Select Semivolatile Organic Compounds (SVOCs) by SW-846 Method 8270C
Dissolved Arsenic, Chromium, Copper, and Zinc by SW-846 Method 6020

Laboratory Job Number: J050292

Evaluator: Jon Livingston

Date: January 9, 2006

The Gainesville Q4-05 data report from Columbia Analytical Services, Inc. – Jacksonville was evaluated using USEPA National Functional Guidelines and USEPA method specifications. Each issue requiring comment and/or data qualification is addressed below. Qualified results are listed in bolded text.

I Sample Collection, Receipt, and Log-In

Sample Receipt: The samples were received in good condition and within the optimal temperature range of 2° - 6° C.

II BTEX by SW-846 Method 8260B

Holding Time: The laboratory received the samples FW-8, ERB-01, MWTP-MW-1, FW-9, FW-2, and FW-2 Dup01 unpreserved and with minimal time left to analyze. The laboratory analyzed the samples one day outside the 7-day holding time for unpreserved samples. All associated results were nondetect and were qualified as estimates "UJ," due to the holding time exceedences and the lack of preservation.

} Quality assurance problem

Data Reporting: The laboratory flagged positive results that were less than the reporting limits, but greater than the method detection limits (MDLs) with an "I" to indicate an estimated concentration due to uncertainty near the detection limit. For consistency, all "I" flags were changed to "J" qualifiers by the data validator.

III Select SVOCs by SW-846 8270C

Matrix Spike Recoveries and RPDs: The FW-6 MS and/or MSD percent recoveries (%Rs) for 2,4-dimethylphenol, 2-methylnaphthalene, phenanthrene, fluoranthene, benzo(a)anthracene, and benzo(b)fluoranthene were greater than the upper advisory limits. **The positive 2,4-dimethylphenol, 2-methylnaphthalene, phenanthrene, fluoranthene, benzo(a)anthracene results for FW-6 were qualified as "J," as an estimate due to a high bias attributable to matrix effects.**

Dilutions: Sample FW-6 required analysis at a twenty-fold dilution to bring the naphthalene concentration into the calibration range. No data qualifications were required.

Data Reporting: The laboratory flagged positive results that were less than the reporting limits, but greater than the MDLs with an "T" to indicate an estimated concentration due to uncertainty near the detection limit. **For consistency, all "I" flags were changed to "J" qualifiers by the data validator.**

IV Dissolved Arsenic, Chromium, Copper, and Zinc by SW-846 6020

Blank Contamination: Dissolved chromium, copper, arsenic, and zinc were detected in one or more of the laboratory quality control or field blanks at concentrations estimated below the reporting limits. All samples were affected. **The dissolved chromium, copper, arsenic, and zinc results, that were less than the reporting limits, were qualified as undetected, "U," due to ambient contamination.**

Data Reporting: The laboratory flagged positive results that were less than the reporting limits, but greater than the MDLs with an "i" to indicate an estimated concentration due to uncertainty near the detection limit. **For consistency, all "i" flags were changed to "J" qualifiers by the data validator.**

V Field Duplicate Samples

Samples FW-2 / FW-2 DUP01 were the primary and field duplicate samples collected for this sampling event. No data qualifications are required based on the relative percent difference of field duplicate sample data alone. However, the positive results are presented in the tables below to evaluate field precision and sample homogeneity. An RPD greater than 30% indicates that the sample was heterogeneous with respect to that analyte. Field and laboratory precision were acceptable.

**Field Duplicate Comparison
Gainesville, Q4-05**

Analyte	FW-02 ($\mu\text{g/L}$)	FW-02 DUP01 ($\mu\text{g/L}$)	RPD (%)
Acenaphthene	4.2 J ¹	4.7 J ¹	11
Dissolved Arsenic	0.66	1.5	78*

J¹: The result was qualified "J," as an estimated concentration, due to uncertainty near the detection limit.

*: The difference between the primary and field duplicate sample was less than twice the reporting limit. Variation of this magnitude is acceptable.

January 06, 2006

Service Request No: J0505292

Greg Malzone
The Retec Group, Inc.
4075 Monroeville Boulevard
Building II, Suite 400
Monroeville, PA 15146

RE: Beazer/Gainesville/BEAZ7-03610-091

Dear Greg:

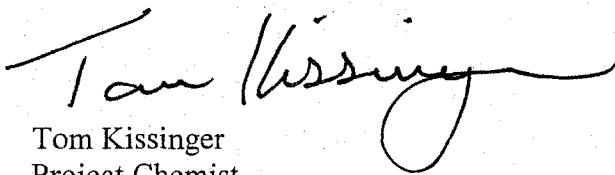
Enclosed are the results of the sample(s) submitted to our laboratory on December 15, 2005. For your reference, these analyses have been assigned our service request number J0505292.

All analyses were performed according to our laboratory's quality assurance program. The test results meet requirements of the NELAP standards except as noted in the case narrative report. All results are intended to be considered in their entirety, and Columbia Analytical Services, Inc. (CAS) is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report.

Please call if you have any questions. My extension is 289. You may also contact me via email at TKissinger@jax.caslab.com.

Respectfully submitted,

Columbia Analytical Services, Inc.



Tom Kissinger
Project Chemist

Page 1 of 76

*Laboratory Manager: Greg Jordan
Quality Assurance Officer: Kathy Brungard*

CAS Jacksonville is NELAC-accredited by the State of Florida, #E82502 valid through 6/30/06. Other state accreditations include: Arkansas, #88-0600 valid through 1/12/06; Georgia, #904 valid through 6/30/05; Louisiana, #02086 valid through 6/30/06; North Carolina, #527 valid through 12/31/05; and South Carolina, #96021 valid through 6/30/06.

COLUMBIA ANALYTICAL SERVICES, INC.

Client: The Retec Group, Inc.
Project: Beazer/Gainesville
Sample Matrix: water

Service Request No.: J0505292
Date Received: 12/15/05

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of Columbia Analytical Services, Inc. (CAS). This report contains analytical results for samples designated for Tier II data deliverables, including results of QC samples analyzed from this delivery group. When appropriate to the procedure, method blank results have been reported with each analytical test. Analytical procedures performed by the lab are validated in accordance with NELAC standards. Parameters that are included in the NELAC Fields of Testing but are not included in the lab's NELAC accreditation are identified in the discussion of each analytical procedure.

Sample Receipt

15 water samples were received for analysis at Columbia Analytical Services on 12/15/05. The samples were received in good condition and consistent with the accompanying chain of custody form. Samples are refrigerated at $4\pm2^{\circ}\text{C}$ upon receipt at the lab except for aqueous samples designated for metals analyses, which were stored at room temperature.

Volatile Organic Compounds by GC-MS

Holding Time Exceptions

Samples FW-8, ERB-01, MWTP-MW-1, FW-9, FW-2 and FW-2 DUP01 were received with minimal hold time remaining to complete the analysis within the recommended limit due to the samples being unpreserved. The analysis was performed as soon as possible after receipt by the laboratory. The data are flagged to indicate the holding time violation.

Semivolatile Organics by GC-MS

Surrogate Exceptions

The control criteria were exceeded for the following surrogate in samples FW-6MS and FW-6DMS due to matrix interferences: Nitrobenzene-d5. Due to the presence of target and non-target components that prevented adequate resolution of the surrogate, accurate quantitation was not possible. No further corrective action was appropriate.

Matrix Spike Recovery Exceptions

The control criterion for matrix spike recovery of Naphthalene for sample FW-6 is not applicable. The analyte concentration in the sample was significantly higher than the added spike concentration, preventing accurate evaluation of the spike recovery.

The matrix spike recoveries of several analytes for sample FW-6 were outside control criteria. Recovery in the Laboratory Control Sample (LCS) was acceptable, which indicates the analytical batch was in control. The matrix spike outlier suggests a potential high bias in this matrix. No further corrective action was appropriate.

Metals by ICP-MS

No problems were observed with this delivery group.

Approved by

Tame D. Kissney Date 1/6/04

Florida DEP Data Qualifiers

- B Results based upon colony counts outside the acceptable range.
- D Measurement was made in the field.
- H Value based on field kit determination; results may not be accurate.
- i The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
- J Estimated value (one of the following reasons is discussed in the project case narrative).
 - 1. The result may be inaccurate because the surrogate recovery limits have been exceeded.
 - 2. No known quality control criteria exists for the component.
 - 3. The reported value failed to meet the established quality control criteria for either precision or accuracy.
 - 4. The sample matrix interfered with the ability to make any accurate determination (e.g., primary and confirmation results show greater than 40% RPD).
 - 5. The data is questionable because of improper laboratory or field protocols (e.g., GC/MS Tune did not meet method criteria).
- K Off scale low. The value is less than the lowest calibration standard but greater than the method reporting limit (MRL).
- L Off scale high. The analyte is above the upper limit of the linear calibration range.
- M The MDL/MRL has been elevated because the analyte could not be accurately quantified due to matrix interference.
- N Presumptive evidence of the analyte. Confirmation was not performed.
- Q Sample held beyond the accepted holding time.
- T Value reported is less than the laboratory method detection limit. The value is reported for informational purposes only.
- U Indicates that the compound was analyzed for but not detected.
- V Indicates that the analyte was detected in both the sample and the associated method blank.
- Y The laboratory analysis was from an improperly preserved sample.
- Z Too many colonies were present (TNTC). The numeric value represents the filtration volume.

Acronyms

ASTM	American Society for Testing and Materials
A2LA	American Association for Laboratory Accreditation
CARB	California Air Resources Board
CAS Number	Chemical Abstract Service registry Number
CFC	Chlorofluorocarbon
CFU	Colony-Forming Unit
DEC	Department of Environmental Conservation
DEQ	Department of Environmental Quality
DHS	Department of Health Services
DOE	Department of Ecology
DOH	Department of Health
EPA	U. S. Environmental Protection Agency
ELAP	Environmental Laboratory Accreditation Program
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
LUFT	Leaking Underground Fuel Tank
M	Modified
MCL	Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA.
MDL	Method Detection Limit
MPN	Most Probable Number
MRL	Method Reporting Limit
NA	Not Applicable
NC	Not Calculated
NCASI	National Council of the Paper Industry for Air and Stream Improvement
ND	Not Detected
NIOSH	National Institute for Occupational Safety and Health
PQL	Practical Quantitation Limit
RCRA	Resource Conservation and Recovery Act
SIM	Selected Ion Monitoring
TPH	Total Petroleum Hydrocarbons
tr	Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL.

Client: The Retec Group, Inc.
Project: Beazer/Gainesville/BEAZ7-03610-091

Service Request: J0505292

SAMPLE CROSS-REFERENCE

<u>SAMPLE #</u>	<u>CLIENT SAMPLE ID</u>	<u>DATE</u>	<u>TIME</u>
J0505292-001	FW-8	12/13/05	12:10
J0505292-002	ERB-01	12/13/05	11:30
J0505292-003	MWTP-MW-1	12/13/05	14:10
J0505292-004	FW-9	12/13/05	15:50
J0505292-005	FW-2	12/13/05	17:00
J0505292-006	FW-2 DUP01	12/13/05	17:00
J0505292-007	FILTER BLANK	12/13/05	14:00
J0505292-008	FW-4	12/14/05	08:00
J0505292-009	FW-5	12/14/05	09:20
J0505292-010	ERB-02	12/14/05	08:20
J0505292-011	TRIP BLANK	12/14/05	00:01
J0505292-012	FIELD BLANK	12/14/05	09:30
J0505292-013	FW-3	12/14/05	10:50
J0505292-014	FW-7	12/14/05	14:00
J0505292-015	FW-6	12/14/05	15:45

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: The Retec Group, Inc.
Project: Beazer/Gainesville/BEAZ7-03610-091
Sample Matrix: Water

Service Request: J0505292
Date Collected: 12/13/2005
Date Received: 12/15/2005
2 days

Volatile Organic Compounds by GC/MS

Sample Name: FW-8
Lab Code: J0505292-001

12/13-12/21
Units: ug/L
Basis: NA

Extraction Method: EPA 5030B
Analysis Method: 8260B

Level: Low

Analyte Name	Result Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Benzene	ND UQ	1.0	0.088	1	12/21/05	12/21/05	JWG0504678	
Toluene	ND UQ	1.0	0.13	1	12/21/05	12/21/05	JWG0504678	
Ethylbenzene	ND UQ	1.0	0.12	1	12/21/05	12/21/05	JWG0504678	
m,p-Xylenes	ND UQ	2.0	0.19	1	12/21/05	12/21/05	JWG0504678	
o-Xylene	ND UQ	1.0	0.083	1	12/21/05	12/21/05	JWG0504678	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
1,2-Dichloroethane-d4	95	80-116	12/21/05	Acceptable
4-Bromofluorobenzene	97	78-113	12/21/05	Acceptable
Toluene-d8	97	86-121	12/21/05	Acceptable
Dibromofluoromethane	102	84-111	12/21/05	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: The Retec Group, Inc.
Project: Beazer/Gainesville/BEAZ7-03610-091
Sample Matrix: Water

Service Request: J0505292
Date Collected: 12/13/2005
Date Received: 12/15/2005

Volatile Organic Compounds by GC/MS

Sample Name: ERB-01 **Units:** ug/L
Lab Code: J0505292-002 **Basis:** NA
Extraction Method: EPA 5030B **Level:** Low
Analysis Method: 8260B

Analyte Name	Result Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Benzene	ND UQ	1.0	0.088	1	12/21/05	12/21/05	JWG0504678	
Toluene	ND UQ	1.0	0.13	1	12/21/05	12/21/05	JWG0504678	
Ethylbenzene	ND UQ	1.0	0.12	1	12/21/05	12/21/05	JWG0504678	
m,p-Xylenes	ND UQ	2.0	0.19	1	12/21/05	12/21/05	JWG0504678	
o-Xylene	ND UQ	1.0	0.083	1	12/21/05	12/21/05	JWG0504678	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
1,2-Dichloroethane-d4	97	80-116	12/21/05	Acceptable
4-Bromofluorobenzene	88	78-113	12/21/05	Acceptable
Toluene-d8	97	86-121	12/21/05	Acceptable
Dibromofluoromethane	99	84-111	12/21/05	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: The Retec Group, Inc.
Project: Beazer/Gainesville/BEAZ7-03610-091
Sample Matrix: Water

Service Request: J0505292
Date Collected: 12/13/2005
Date Received: 12/15/2005

Volatile Organic Compounds by GC/MS

Sample Name:	MWTP-MW-1	Units:	ug/L
Lab Code:	J0505292-003	Basis:	NA
Extraction Method:	EPA 5030B	Level:	Low
Analysis Method:	8260B		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Benzene	ND	UQ	1.0	0.088	1	12/21/05	12/21/05	JWG0504678	
Toluene	ND	UQ	1.0	0.13	1	12/21/05	12/21/05	JWG0504678	
Ethylbenzene	ND	UQ	1.0	0.12	1	12/21/05	12/21/05	JWG0504678	
m,p-Xylenes	ND	UQ	2.0	0.19	1	12/21/05	12/21/05	JWG0504678	
o-Xylene	ND	UQ	1.0	0.083	1	12/21/05	12/21/05	JWG0504678	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
1,2-Dichloroethane-d4	94	80-116	12/21/05	Acceptable
4-Bromofluorobenzene	87	78-113	12/21/05	Acceptable
Toluene-d8	100	86-121	12/21/05	Acceptable
Dibromofluoromethane	104	84-111	12/21/05	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: The Retec Group, Inc.
Project: Beazer/Gainesville/BEAZ7-03610-091
Sample Matrix: Water

Service Request: J0505292
Date Collected: 12/13/2005
Date Received: 12/15/2005

Volatile Organic Compounds by GC/MS

Sample Name: FW-9**Units:** ug/L**Lab Code:** J0505292-004**Basis:** NA**Extraction Method:** EPA 5030B**Level:** Low**Analysis Method:** 8260B

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Benzene	ND	UQ	1.0	0.088	1	12/21/05	12/21/05	JWG0504678	
Toluene	ND	UQ	1.0	0.13	1	12/21/05	12/21/05	JWG0504678	
Ethylbenzene	ND	UQ	1.0	0.12	1	12/21/05	12/21/05	JWG0504678	
m,p-Xylenes	ND	UQ	2.0	0.19	1	12/21/05	12/21/05	JWG0504678	
o-Xylene	ND	UQ	1.0	0.083	1	12/21/05	12/21/05	JWG0504678	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
1,2-Dichloroethane-d4	96	80-116	12/21/05	Acceptable
4-Bromofluorobenzene	103	78-113	12/21/05	Acceptable
Toluene-d8	102	86-121	12/21/05	Acceptable
Dibromofluoromethane	101	84-111	12/21/05	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: The Retec Group, Inc.
Project: Beazer/Gainesville/BEAZ7-03610-091
Sample Matrix: Water

Service Request: J0505292
Date Collected: 12/14/2005
Date Received: 12/15/2005

Volatile Organic Compounds by GC/MS

Sample Name: FW-4
Lab Code: J0505292-008

Units: ug/L
Basis: NA

Level: Low

Extraction Method: EPA 5030B
Analysis Method: 8260B

Analyte Name	Result Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Benzene	ND U	1.0	0.088	1	12/21/05	12/21/05	JWG0504678	
Toluene	ND U	1.0	0.13	1	12/21/05	12/21/05	JWG0504678	
Ethylbenzene	ND U	1.0	0.12	1	12/21/05	12/21/05	JWG0504678	
m,p-Xylenes	ND U	2.0	0.19	1	12/21/05	12/21/05	JWG0504678	
o-Xylene	ND U	1.0	0.083	1	12/21/05	12/21/05	JWG0504678	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
1,2-Dichloroethane-d4	100	80-116	12/21/05	Acceptable
4-Bromofluorobenzene	96	78-113	12/21/05	Acceptable
Toluene-d8	96	86-121	12/21/05	Acceptable
Dibromofluoromethane	109	84-111	12/21/05	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: The Retec Group, Inc.
Project: Beazer/Gainesville/BEAZ7-03610-091
Sample Matrix: Water

Service Request: J0505292
Date Collected: 12/14/2005
Date Received: 12/15/2005

Volatile Organic Compounds by GC/MS

Sample Name: FW-5 **Units:** ug/L
Lab Code: J0505292-009 **Basis:** NA
Extraction Method: EPA 5030B **Level:** Low
Analysis Method: 8260B

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Benzene	ND	U	1.0	0.088	1	12/21/05	12/21/05	JWG0504678	
Toluene	ND	U	1.0	0.13	1	12/21/05	12/21/05	JWG0504678	
Ethylbenzene	ND	U	1.0	0.12	1	12/21/05	12/21/05	JWG0504678	
m,p-Xylenes	ND	U	2.0	0.19	1	12/21/05	12/21/05	JWG0504678	
o-Xylene	ND	U	1.0	0.083	1	12/21/05	12/21/05	JWG0504678	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
1,2-Dichloroethane-d4	96	80-116	12/21/05	Acceptable
4-Bromofluorobenzene	91	78-113	12/21/05	Acceptable
Toluene-d8	97	86-121	12/21/05	Acceptable
Dibromofluoromethane	100	84-111	12/21/05	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: The Retec Group, Inc.
Project: Beazer/Gainesville/BEAZ7-03610-091
Sample Matrix: Water

Service Request: J0505292
Date Collected: 12/14/2005
Date Received: 12/15/2005

Volatile Organic Compounds by GC/MS

Sample Name: ERB-02
Lab Code: J0505292-010

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L

Basis: NA

Level: Low

Analyte Name	Result Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Benzene	ND U	1.0	0.088	1	12/21/05	12/21/05	JWG0504678	
Toluene	ND U	1.0	0.13	1	12/21/05	12/21/05	JWG0504678	
Ethylbenzene	ND U	1.0	0.12	1	12/21/05	12/21/05	JWG0504678	
m,p-Xylenes	ND U	2.0	0.19	1	12/21/05	12/21/05	JWG0504678	
o-Xylene	ND U	1.0	0.083	1	12/21/05	12/21/05	JWG0504678	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
1,2-Dichloroethane-d4	101	80-116	12/21/05	Acceptable
4-Bromofluorobenzene	96	78-113	12/21/05	Acceptable
Toluene-d8	102	86-121	12/21/05	Acceptable
Dibromofluoromethane	101	84-111	12/21/05	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: The Retec Group, Inc.
Project: Beazer/Gainesville/BEAZ7-03610-091
Sample Matrix: Water

Service Request: J0505292
Date Collected: 12/14/2005
Date Received: 12/15/2005

Volatile Organic Compounds by GC/MS

Sample Name: TRIP BLANK

Units: ug/L
Basis: NA

Lab Code: J0505292-011

Level: Low

Extraction Method: EPA 5030B

Analysis Method: 8260B

Analyte Name	Result Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Benzene	ND U	1.0	0.088	1	12/21/05	12/21/05	JWG0504678	
Toluene	ND U	1.0	0.13	1	12/21/05	12/21/05	JWG0504678	
Ethylbenzene	ND U	1.0	0.12	1	12/21/05	12/21/05	JWG0504678	
m,p-Xylenes	ND U	2.0	0.19	1	12/21/05	12/21/05	JWG0504678	
o-Xylene	ND U	1.0	0.083	1	12/21/05	12/21/05	JWG0504678	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
1,2-Dichloroethane-d4	101	80-116	12/21/05	Acceptable
4-Bromofluorobenzene	88	78-113	12/21/05	Acceptable
Toluene-d8	102	86-121	12/21/05	Acceptable
Dibromofluoromethane	98	84-111	12/21/05	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: The Retec Group, Inc.
Project: Beazer/Gainesville/BEAZ7-03610-091
Sample Matrix: Water

Service Request: J0505292
Date Collected: 12/14/2005
Date Received: 12/15/2005

Volatile Organic Compounds by GC/MS

Sample Name:

FIELD BLANK

Units: ug/L**Lab Code:**

J0505292-012

Basis: NA**Extraction Method:** EPA 5030B**Level:** Low**Analysis Method:** 8260B

Analyte Name	Result Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Benzene	ND U	1.0	0.088	1	12/21/05	12/21/05	JWG0504678	
Toluene	ND U	1.0	0.13	1	12/21/05	12/21/05	JWG0504678	
Ethylbenzene	ND U	1.0	0.12	1	12/21/05	12/21/05	JWG0504678	
m,p-Xylenes	ND U	2.0	0.19	1	12/21/05	12/21/05	JWG0504678	
o-Xylene	ND U	1.0	0.083	1	12/21/05	12/21/05	JWG0504678	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
1,2-Dichloroethane-d4	92	80-116	12/21/05	Acceptable
4-Bromofluorobenzene	96	78-113	12/21/05	Acceptable
Toluene-d8	96	86-121	12/21/05	Acceptable
Dibromofluoromethane	98	84-111	12/21/05	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: The Retec Group, Inc.
Project: Beazer/Gainesville/BEAZ7-03610-091
Sample Matrix: Water

Service Request: J0505292
Date Collected: 12/14/2005
Date Received: 12/15/2005

Volatile Organic Compounds by GC/MS

Sample Name: FW-3 **Units:** ug/L
Lab Code: J0505292-013 **Basis:** NA
Extraction Method: EPA 5030B **Level:** Low
Analysis Method: 8260B

Analyte Name	Result Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Benzene	ND U	1.0	0.088	1	12/21/05	12/21/05	JWG0504678	
Toluene	1.4	1.0	0.13	1	12/21/05	12/21/05	JWG0504678	
Ethylbenzene	ND U	1.0	0.12	1	12/21/05	12/21/05	JWG0504678	
m,p-Xylenes	0.68 I	2.0	0.19	1	12/21/05	12/21/05	JWG0504678	
o-Xylene	ND U	1.0	0.083	1	12/21/05	12/21/05	JWG0504678	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
1,2-Dichloroethane-d4	100	80-116	12/21/05	Acceptable
4-Bromofluorobenzene	96	78-113	12/21/05	Acceptable
Toluene-d8	106	86-121	12/21/05	Acceptable
Dibromofluoromethane	97	84-111	12/21/05	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: The Retec Group, Inc.
Project: Beazer/Gainesville/BEAZ7-03610-091
Sample Matrix: Water

Service Request: J0505292
Date Collected: 12/14/2005
Date Received: 12/15/2005

Volatile Organic Compounds by GC/MS

Sample Name: FW-7
Lab Code: J0505292-014
Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low

Analyte Name	Result Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Benzene	ND U	1.0	0.088	1	12/22/05	12/22/05	JWG0504678	
Toluene	0.23 I	1.0	0.13	1	12/22/05	12/22/05	JWG0504678	
Ethylbenzene	ND U	1.0	0.12	1	12/22/05	12/22/05	JWG0504678	
m,p-Xylenes	ND U	2.0	0.19	1	12/22/05	12/22/05	JWG0504678	
o-Xylene	ND U	1.0	0.083	1	12/22/05	12/22/05	JWG0504678	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
1,2-Dichloroethane-d4	100	80-116	12/22/05	Acceptable
4-Bromofluorobenzene	90	78-113	12/22/05	Acceptable
Toluene-d8	99	86-121	12/22/05	Acceptable
Dibromofluoromethane	102	84-111	12/22/05	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: The Retec Group, Inc.
Project: Beazer/Gainesville/BEAZ7-03610-091
Sample Matrix: Water

Service Request: J0505292
Date Collected: 12/14/2005
Date Received: 12/15/2005

Volatile Organic Compounds by GC/MS

Sample Name:	FW-6	Units:	ug/L
Lab Code:	J0505292-015	Basis:	NA
Extraction Method:	EPA 5030B	Level:	Low
Analysis Method:	8260B		

Analyte Name	Result Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Benzene	7.6	1.0	0.088	1	12/22/05	12/22/05	JWG0504678	
Toluene	1.2	1.0	0.13	1	12/22/05	12/22/05	JWG0504678	
Ethylbenzene	0.88 I	1.0	0.12	1	12/22/05	12/22/05	JWG0504678	
m,p-Xylenes	5.8	2.0	0.19	1	12/22/05	12/22/05	JWG0504678	
o-Xylene	1.6	1.0	0.083	1	12/22/05	12/22/05	JWG0504678	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
1,2-Dichloroethane-d4	98	80-116	12/22/05	Acceptable
4-Bromofluorobenzene	89	78-113	12/22/05	Acceptable
Toluene-d8	91	86-121	12/22/05	Acceptable
Dibromofluoromethane	100	84-111	12/22/05	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: The Retec Group, Inc.
Project: Beazer/Gainesville/BEAZ7-03610-091
Sample Matrix: Water

Service Request: J0505292
Date Collected: NA
Date Received: NA

Volatile Organic Compounds by GC/MS

Sample Name: Method Blank **Units:** ug/L
Lab Code: JWG0504678-4 **Basis:** NA
Extraction Method: EPA 5030B **Level:** Low
Analysis Method: 8260B

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Benzene	ND	U	1.0	0.088	1	12/21/05	12/21/05	JWG0504678	
Toluene	ND	U	1.0	0.13	1	12/21/05	12/21/05	JWG0504678	
Ethylbenzene	ND	U	1.0	0.12	1	12/21/05	12/21/05	JWG0504678	
m,p-Xylenes	ND	U	2.0	0.19	1	12/21/05	12/21/05	JWG0504678	
o-Xylene	ND	U	1.0	0.083	1	12/21/05	12/21/05	JWG0504678	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
1,2-Dichloroethane-d4	103	80-116	12/21/05	Acceptable
4-Bromofluorobenzene	95	78-113	12/21/05	Acceptable
Toluene-d8	93	86-121	12/21/05	Acceptable
Dibromofluoromethane	104	84-111	12/21/05	Acceptable

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: The Retec Group, Inc.
Project: Beazer/Gainesville/BEAZ7-03610-091
Sample Matrix: Water

Service Request: J0505292
Date Collected: 12/13/2005
Date Received: 12/15/2005

Semi-Volatile Organic Compounds by GC/MS

Sample Name:	FW-8	Units:	ug/L
Lab Code:	J0505292-001	Basis:	NA
Extraction Method:	EPA 3510C	Level:	Low
Analysis Method:	8270C		

Analyte Name	Result Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Phenol	ND U	5.3	1.8	1	12/20/05	12/23/05	JWG0504681	
2-Methylphenol	ND U	5.3	0.46	1	12/20/05	12/23/05	JWG0504681	
4-Methylphenol†	ND U	5.3	0.77	1	12/20/05	12/23/05	JWG0504681	
2,4-Dimethylphenol	ND U	5.3	0.56	1	12/20/05	12/23/05	JWG0504681	
Naphthalene	ND U	5.3	0.43	1	12/20/05	12/23/05	JWG0504681	
2-Methylnaphthalene	ND U	5.3	0.44	1	12/20/05	12/23/05	JWG0504681	
Acenaphthylene	ND U	5.3	0.36	1	12/20/05	12/23/05	JWG0504681	
Acenaphthene	ND U	5.3	0.34	1	12/20/05	12/23/05	JWG0504681	
Dibenzofuran	ND U	5.3	0.46	1	12/20/05	12/23/05	JWG0504681	
Fluorene	ND U	5.3	0.38	1	12/20/05	12/23/05	JWG0504681	
Pentachlorophenol	ND U	21	0.41	1	12/20/05	12/23/05	JWG0504681	
Phenanthrene	ND U	5.3	0.28	1	12/20/05	12/23/05	JWG0504681	
Anthracene	ND U	5.3	0.28	1	12/20/05	12/23/05	JWG0504681	
Carbazole	ND U	5.3	0.58	1	12/20/05	12/23/05	JWG0504681	
Fluoranthene	ND U	5.3	0.28	1	12/20/05	12/23/05	JWG0504681	
Pyrene	ND U	5.3	0.45	1	12/20/05	12/23/05	JWG0504681	
Benz(a)anthracene	ND U	5.3	0.59	1	12/20/05	12/23/05	JWG0504681	
Chrysene	ND U	5.3	0.54	1	12/20/05	12/23/05	JWG0504681	
Benzo(b)fluoranthene	ND U	5.3	0.61	1	12/20/05	12/23/05	JWG0504681	
Benzo(k)fluoranthene	ND U	5.3	0.60	1	12/20/05	12/23/05	JWG0504681	
Benzo(a)pyrene	ND U	5.3	0.58	1	12/20/05	12/23/05	JWG0504681	
Indeno(1,2,3-cd)pyrene	ND U	5.3	0.56	1	12/20/05	12/23/05	JWG0504681	
Dibenz(a,h)anthracene	ND U	5.3	0.59	1	12/20/05	12/23/05	JWG0504681	
Benzo(g,h,i)perylene	ND U	5.3	0.52	1	12/20/05	12/23/05	JWG0504681	

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: The Retec Group, Inc.
Project: Beazer/Gainesville/BEAZ7-03610-091
Sample Matrix: Water

Service Request: J0505292
Date Collected: 12/13/2005
Date Received: 12/15/2005

Semi-Volatile Organic Compounds by GC/MS

Sample Name: FW-8
Lab Code: J0505292-001

Units: ug/L
Basis: NA

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	41	10-77	12/23/05	Acceptable
Phenol-d6	22	10-51	12/23/05	Acceptable
Nitrobenzene-d5	87	42-106	12/23/05	Acceptable
2-Fluorobiphenyl	81	43-99	12/23/05	Acceptable
2,4,6-Tribromophenol	88	30-141	12/23/05	Acceptable
Terphenyl-d14	92	23-165	12/23/05	Acceptable

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: The Retec Group, Inc.
Project: Beazer/Gainesville/BEAZ7-03610-091
Sample Matrix: Water

Service Request: J0505292
Date Collected: 12/13/2005
Date Received: 12/15/2005

Semi-Volatile Organic Compounds by GC/MS

Sample Name:	ERB-01	Units:	ug/L
Lab Code:	J0505292-002	Basis:	NA
Extraction Method:	EPA 3510C	Level:	Low
Analysis Method:	8270C		

Analyte Name	Result Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Phenol	ND U	5.3	1.8	1	12/20/05	12/23/05	JWG0504681	
2-Methylphenol	ND U	5.3	0.46	1	12/20/05	12/23/05	JWG0504681	
4-Methylphenol†	ND U	5.3	0.77	1	12/20/05	12/23/05	JWG0504681	
2,4-Dimethylphenol	ND U	5.3	0.56	1	12/20/05	12/23/05	JWG0504681	
Naphthalene	ND U	5.3	0.43	1	12/20/05	12/23/05	JWG0504681	
2-Methylnaphthalene	ND U	5.3	0.44	1	12/20/05	12/23/05	JWG0504681	
Acenaphthylene	ND U	5.3	0.36	1	12/20/05	12/23/05	JWG0504681	
Acenaphthene	ND U	5.3	0.34	1	12/20/05	12/23/05	JWG0504681	
Dibenzofuran	ND U	5.3	0.46	1	12/20/05	12/23/05	JWG0504681	
Fluorene	ND U	5.3	0.38	1	12/20/05	12/23/05	JWG0504681	
Pentachlorophenol	ND U	21	0.41	1	12/20/05	12/23/05	JWG0504681	
Phenanthrene	ND U	5.3	0.28	1	12/20/05	12/23/05	JWG0504681	
Anthracene	ND U	5.3	0.28	1	12/20/05	12/23/05	JWG0504681	
Carbazole	ND U	5.3	0.58	1	12/20/05	12/23/05	JWG0504681	
Fluoranthene	ND U	5.3	0.28	1	12/20/05	12/23/05	JWG0504681	
Pyrene	ND U	5.3	0.45	1	12/20/05	12/23/05	JWG0504681	
Benz(a)anthracene	ND U	5.3	0.59	1	12/20/05	12/23/05	JWG0504681	
Chrysene	ND U	5.3	0.54	1	12/20/05	12/23/05	JWG0504681	
Benzo(b)fluoranthene	ND U	5.3	0.61	1	12/20/05	12/23/05	JWG0504681	
Benzo(k)fluoranthene	ND U	5.3	0.60	1	12/20/05	12/23/05	JWG0504681	
Benzo(a)pyrene	ND U	5.3	0.58	1	12/20/05	12/23/05	JWG0504681	
Indeno(1,2,3-cd)pyrene	ND U	5.3	0.56	1	12/20/05	12/23/05	JWG0504681	
Dibenz(a,h)anthracene	ND U	5.3	0.59	1	12/20/05	12/23/05	JWG0504681	
Benzo(g,h,i)perylene	ND U	5.3	0.52	1	12/20/05	12/23/05	JWG0504681	

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: The Retec Group, Inc.
Project: Beazer/Gainesville/BEAZ7-03610-091
Sample Matrix: Water

Service Request: J0505292
Date Collected: 12/13/2005
Date Received: 12/15/2005

Semi-Volatile Organic Compounds by GC/MS

Sample Name: ERB-01
Lab Code: J0505292-002

Units: ug/L
Basis: NA

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	38	10-77	12/23/05	Acceptable
Phenol-d6	21	10-51	12/23/05	Acceptable
Nitrobenzene-d5	83	42-106	12/23/05	Acceptable
2-Fluorobiphenyl	77	43-99	12/23/05	Acceptable
2,4,6-Tribromophenol	88	30-141	12/23/05	Acceptable
Terphenyl-d14	92	23-165	12/23/05	Acceptable

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: The Retec Group, Inc.
Project: Beazer/Gainesville/BEAZ7-03610-091
Sample Matrix: Water

Service Request: J0505292
Date Collected: 12/13/2005
Date Received: 12/15/2005

Semi-Volatile Organic Compounds by GC/MS

Sample Name: MWTP-MW-1

Units: ug/L
Basis: NA

Lab Code: J0505292-003

Level: Low

Extraction Method: EPA 3510C

Analysis Method: 8270C

Analyte Name	Result Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Phenol	ND U	5.2	1.8	1	12/20/05	12/23/05	JWG0504681	
2-Methylphenol	ND U	5.2	0.46	1	12/20/05	12/23/05	JWG0504681	
4-Methylphenol†	ND U	5.2	0.76	1	12/20/05	12/23/05	JWG0504681	
2,4-Dimethylphenol	ND U	5.2	0.55	1	12/20/05	12/23/05	JWG0504681	
Naphthalene	ND U	5.2	0.43	1	12/20/05	12/23/05	JWG0504681	
2-Methylnaphthalene	ND U	5.2	0.44	1	12/20/05	12/23/05	JWG0504681	
Acenaphthylene	ND U	5.2	0.36	1	12/20/05	12/23/05	JWG0504681	
Acenaphthene	ND U	5.2	0.33	1	12/20/05	12/23/05	JWG0504681	
Dibenzofuran	ND U	5.2	0.46	1	12/20/05	12/23/05	JWG0504681	
Fluorene	ND U	5.2	0.38	1	12/20/05	12/23/05	JWG0504681	
Pentachlorophenol	ND U	21	0.41	1	12/20/05	12/23/05	JWG0504681	
Phenanthrene	ND U	5.2	0.27	1	12/20/05	12/23/05	JWG0504681	
Anthracene	ND U	5.2	0.27	1	12/20/05	12/23/05	JWG0504681	
Carbazole	ND U	5.2	0.57	1	12/20/05	12/23/05	JWG0504681	
Fluoranthene	ND U	5.2	0.27	1	12/20/05	12/23/05	JWG0504681	
Pyrene	ND U	5.2	0.45	1	12/20/05	12/23/05	JWG0504681	
Benz(a)anthracene	ND U	5.2	0.58	1	12/20/05	12/23/05	JWG0504681	
Chrysene	ND U	5.2	0.53	1	12/20/05	12/23/05	JWG0504681	
Benzo(b)fluoranthene	ND U	5.2	0.60	1	12/20/05	12/23/05	JWG0504681	
Benzo(k)fluoranthene	ND U	5.2	0.59	1	12/20/05	12/23/05	JWG0504681	
Benzo(a)pyrene	ND U	5.2	0.57	1	12/20/05	12/23/05	JWG0504681	
Indeno(1,2,3-cd)pyrene	ND U	5.2	0.55	1	12/20/05	12/23/05	JWG0504681	
Dibenz(a,h)anthracene	ND U	5.2	0.58	1	12/20/05	12/23/05	JWG0504681	
Benzo(g,h,i)perylene	ND U	5.2	0.51	1	12/20/05	12/23/05	JWG0504681	

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: The Retec Group, Inc.
Project: Beazer/Gainesville/BEAZ7-03610-091
Sample Matrix: Water

Service Request: J0505292
Date Collected: 12/13/2005
Date Received: 12/15/2005

Semi-Volatile Organic Compounds by GC/MS

Sample Name: MWTP-MW-1
Lab Code: J0505292-003

Units: $\mu\text{g/L}$
Basis: NA

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	36	10-77	12/23/05	Acceptable
Phenol-d6	19	10-51	12/23/05	Acceptable
Nitrobenzene-d5	77	42-106	12/23/05	Acceptable
2-Fluorobiphenyl	70	43-99	12/23/05	Acceptable
2,4,6-Tribromophenol	84	30-141	12/23/05	Acceptable
Terphenyl-d14	93	23-165	12/23/05	Acceptable

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: The Retec Group, Inc.
Project: Beazer/Gainesville/BEAZ7-03610-091
Sample Matrix: Water

Service Request: J0505292
Date Collected: 12/13/2005
Date Received: 12/15/2005

Semi-Volatile Organic Compounds by GC/MS

Sample Name:	FW-9	Units:	ug/L
Lab Code:	J0505292-004	Basis:	NA
Extraction Method:	EPA 3510C	Level:	Low
Analysis Method:	8270C		

Analyte Name	Result Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Phenol	ND U	5.3	1.8	1	12/20/05	12/23/05	JWG0504681	
2-Methylphenol	ND U	5.3	0.46	1	12/20/05	12/23/05	JWG0504681	
4-Methylphenol†	ND U	5.3	0.77	1	12/20/05	12/23/05	JWG0504681	
2,4-Dimethylphenol	ND U	5.3	0.56	1	12/20/05	12/23/05	JWG0504681	
Naphthalene	ND U	5.3	0.43	1	12/20/05	12/23/05	JWG0504681	
2-Methylnaphthalene	ND U	5.3	0.44	1	12/20/05	12/23/05	JWG0504681	
Acenaphthylene	ND U	5.3	0.36	1	12/20/05	12/23/05	JWG0504681	
Acenaphthene	ND U	5.3	0.34	1	12/20/05	12/23/05	JWG0504681	
Dibenzofuran	ND U	5.3	0.46	1	12/20/05	12/23/05	JWG0504681	
Fluorene	ND U	5.3	0.38	1	12/20/05	12/23/05	JWG0504681	
Pentachlorophenol	ND U	21	0.41	1	12/20/05	12/23/05	JWG0504681	
Phenanthrene	ND U	5.3	0.28	1	12/20/05	12/23/05	JWG0504681	
Anthracene	ND U	5.3	0.28	1	12/20/05	12/23/05	JWG0504681	
Carbazole	ND U	5.3	0.58	1	12/20/05	12/23/05	JWG0504681	
Fluoranthene	ND U	5.3	0.28	1	12/20/05	12/23/05	JWG0504681	
Pyrene	ND U	5.3	0.45	1	12/20/05	12/23/05	JWG0504681	
Benz(a)anthracene	ND U	5.3	0.59	1	12/20/05	12/23/05	JWG0504681	
Chrysene	ND U	5.3	0.54	1	12/20/05	12/23/05	JWG0504681	
Benzo(b)fluoranthene	ND U	5.3	0.61	1	12/20/05	12/23/05	JWG0504681	
Benzo(k)fluoranthene	ND U	5.3	0.60	1	12/20/05	12/23/05	JWG0504681	
Benzo(a)pyrene	ND U	5.3	0.58	1	12/20/05	12/23/05	JWG0504681	
Indeno(1,2,3-cd)pyrene	ND U	5.3	0.56	1	12/20/05	12/23/05	JWG0504681	
Dibenz(a,h)anthracene	ND U	5.3	0.59	1	12/20/05	12/23/05	JWG0504681	
Benzo(g,h,i)perylene	ND U	5.3	0.52	1	12/20/05	12/23/05	JWG0504681	

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: The Retec Group, Inc.
Project: Beazer/Gainesville/BEAZ7-03610-091
Sample Matrix: Water

Service Request: J0505292
Date Collected: 12/13/2005
Date Received: 12/15/2005

Semi-Volatile Organic Compounds by GC/MS

Sample Name: FW-9
Lab Code: J0505292-004

Units: ug/L
Basis: NA

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	38	10-77	12/23/05	Acceptable
Phenol-d6	20	10-51	12/23/05	Acceptable
Nitrobenzene-d5	79	42-106	12/23/05	Acceptable
2-Fluorobiphenyl	76	43-99	12/23/05	Acceptable
2,4,6-Tribromophenol	81	30-141	12/23/05	Acceptable
Terphenyl-d14	87	23-165	12/23/05	Acceptable

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: The Retec Group, Inc.
Project: Beazer/Gainesville/BEAZ7-03610-091
Sample Matrix: Water

Service Request: J0505292
Date Collected: 12/13/2005
Date Received: 12/15/2005

Semi-Volatile Organic Compounds by GC/MS

Sample Name:	FW-2	Units:	ug/L
Lab Code:	J0505292-005	Basis:	NA
Extraction Method:	EPA 3510C	Level:	Low
Analysis Method:	8270C		

Analyte Name	Result Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Phenol	ND U	5.3	1.8	1	12/20/05	12/23/05	JWG0504681	
2-Methylphenol	ND U	5.3	0.47	1	12/20/05	12/23/05	JWG0504681	
4-Methylphenol†	ND U	5.3	0.77	1	12/20/05	12/23/05	JWG0504681	
2,4-Dimethylphenol	ND U	5.3	0.56	1	12/20/05	12/23/05	JWG0504681	
Naphthalene	ND U	5.3	0.44	1	12/20/05	12/23/05	JWG0504681	
2-Methylnaphthalene	ND U	5.3	0.45	1	12/20/05	12/23/05	JWG0504681	
Acenaphthylene	ND U	5.3	0.36	1	12/20/05	12/23/05	JWG0504681	
Acenaphthene	4.2 I	5.3	0.34	1	12/20/05	12/23/05	JWG0504681	
Dibenzofuran	ND U	5.3	0.47	1	12/20/05	12/23/05	JWG0504681	
Fluorene	ND U	5.3	0.38	1	12/20/05	12/23/05	JWG0504681	
Pentachlorophenol	ND U	22	0.42	1	12/20/05	12/23/05	JWG0504681	
Phenanthrene	ND U	5.3	0.28	1	12/20/05	12/23/05	JWG0504681	
Anthracene	ND U	5.3	0.28	1	12/20/05	12/23/05	JWG0504681	
Carbazole	ND U	5.3	0.58	1	12/20/05	12/23/05	JWG0504681	
Fluoranthene	ND U	5.3	0.28	1	12/20/05	12/23/05	JWG0504681	
Pyrene	ND U	5.3	0.46	1	12/20/05	12/23/05	JWG0504681	
Benz(a)anthracene	ND U	5.3	0.59	1	12/20/05	12/23/05	JWG0504681	
Chrysene	ND U	5.3	0.54	1	12/20/05	12/23/05	JWG0504681	
Benzo(b)fluoranthene	ND U	5.3	0.62	1	12/20/05	12/23/05	JWG0504681	
Benzo(k)fluoranthene	ND U	5.3	0.60	1	12/20/05	12/23/05	JWG0504681	
Benzo(a)pyrene	ND U	5.3	0.58	1	12/20/05	12/23/05	JWG0504681	
Indeno(1,2,3-cd)pyrene	ND U	5.3	0.56	1	12/20/05	12/23/05	JWG0504681	
Dibenz(a,h)anthracene	ND U	5.3	0.59	1	12/20/05	12/23/05	JWG0504681	
Benzo(g,h,i)perylene	ND U	5.3	0.52	1	12/20/05	12/23/05	JWG0504681	

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: The Retec Group, Inc.
Project: Beazer/Gainesville/BEAZ7-03610-091
Sample Matrix: Water

Service Request: J0505292
Date Collected: 12/13/2005
Date Received: 12/15/2005

Semi-Volatile Organic Compounds by GC/MS

Sample Name: FW-2 **Units:** ug/L
Lab Code: J0505292-005 **Basis:** NA

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	37	10-77	12/23/05	Acceptable
Phenol-d6	20	10-51	12/23/05	Acceptable
Nitrobenzene-d5	77	42-106	12/23/05	Acceptable
2-Fluorobiphenyl	71	43-99	12/23/05	Acceptable
2,4,6-Tribromophenol	77	30-141	12/23/05	Acceptable
Terphenyl-d14	89	23-165	12/23/05	Acceptable

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: The Retec Group, Inc.
Project: Beazer/Gainesville/BEAZ7-03610-091
Sample Matrix: Water

Service Request: J0505292
Date Collected: 12/13/2005
Date Received: 12/15/2005

Semi-Volatile Organic Compounds by GC/MS

Sample Name: FW-2 DUP01
Lab Code: J0505292-006

Units: ug/L
Basis: NA

Extraction Method: EPA 3510C
Analysis Method: 8270C

Level: Low

Analyte Name	Result Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Phenol	ND U	5.4	1.9	1	12/20/05	12/23/05	JWG0504681	
2-Methylphenol	ND U	5.4	0.48	1	12/20/05	12/23/05	JWG0504681	
4-Methylphenol†	ND U	5.4	0.79	1	12/20/05	12/23/05	JWG0504681	
2,4-Dimethylphenol	ND U	5.4	0.57	1	12/20/05	12/23/05	JWG0504681	
Naphthalene	ND U	5.4	0.45	1	12/20/05	12/23/05	JWG0504681	
2-Methylnaphthalene	ND U	5.4	0.46	1	12/20/05	12/23/05	JWG0504681	
Acenaphthylene	ND U	5.4	0.37	1	12/20/05	12/23/05	JWG0504681	
Acenaphthene	4.7 I	5.4	0.35	1	12/20/05	12/23/05	JWG0504681	
Dibenzofuran	ND U	5.4	0.48	1	12/20/05	12/23/05	JWG0504681	
Fluorene	ND U	5.4	0.39	1	12/20/05	12/23/05	JWG0504681	
Pentachlorophenol	ND U	22	0.42	1	12/20/05	12/23/05	JWG0504681	
Phenanthrene	ND U	5.4	0.28	1	12/20/05	12/23/05	JWG0504681	
Anthracene	ND U	5.4	0.28	1	12/20/05	12/23/05	JWG0504681	
Carbazole	ND U	5.4	0.60	1	12/20/05	12/23/05	JWG0504681	
Fluoranthene	ND U	5.4	0.28	1	12/20/05	12/23/05	JWG0504681	
Pyrene	ND U	5.4	0.47	1	12/20/05	12/23/05	JWG0504681	
Benz(a)anthracene	ND U	5.4	0.61	1	12/20/05	12/23/05	JWG0504681	
Chrysene	ND U	5.4	0.55	1	12/20/05	12/23/05	JWG0504681	
Benzo(b)fluoranthene	ND U	5.4	0.63	1	12/20/05	12/23/05	JWG0504681	
Benzo(k)fluoranthene	ND U	5.4	0.62	1	12/20/05	12/23/05	JWG0504681	
Benzo(a)pyrene	ND U	5.4	0.60	1	12/20/05	12/23/05	JWG0504681	
Indeno(1,2,3-cd)pyrene	ND U	5.4	0.57	1	12/20/05	12/23/05	JWG0504681	
Dibenz(a,h)anthracene	ND U	5.4	0.61	1	12/20/05	12/23/05	JWG0504681	
Benzo(g,h,i)perylene	ND U	5.4	0.53	1	12/20/05	12/23/05	JWG0504681	

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: The Retec Group, Inc.
Project: Beazer/Gainesville/BEAZ7-03610-091
Sample Matrix: Water

Service Request: J0505292
Date Collected: 12/13/2005
Date Received: 12/15/2005

Semi-Volatile Organic Compounds by GC/MS

Sample Name: FW-2 DUP01
Lab Code: J0505292-006

Units: ug/L
Basis: NA

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	38	10-77	12/23/05	Acceptable
Phenol-d6	21	10-51	12/23/05	Acceptable
Nitrobenzene-d5	86	42-106	12/23/05	Acceptable
2-Fluorobiphenyl	76	43-99	12/23/05	Acceptable
2,4,6-Tribromophenol	85	30-141	12/23/05	Acceptable
Terphenyl-d14	93	23-165	12/23/05	Acceptable

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: The Retec Group, Inc.
Project: Beazer/Gainesville/BEAZ7-03610-091
Sample Matrix: Water

Service Request: J0505292
Date Collected: 12/14/2005
Date Received: 12/15/2005

Semi-Volatile Organic Compounds by GC/MS

Sample Name:	FW-4	Units:	ug/L
Lab Code:	J0505292-008	Basis:	NA
Extraction Method:	EPA 3510C	Level:	Low
Analysis Method:	8270C		

Analyte Name	Result Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Phenol	ND U	5.4	1.9	1	12/20/05	12/23/05	JWG0504681	
2-Methylphenol	ND U	5.4	0.47	1	12/20/05	12/23/05	JWG0504681	
4-Methylphenol†	ND U	5.4	0.78	1	12/20/05	12/23/05	JWG0504681	
2,4-Dimethylphenol	ND U	5.4	0.57	1	12/20/05	12/23/05	JWG0504681	
Naphthalene	ND U	5.4	0.44	1	12/20/05	12/23/05	JWG0504681	
2-Methylnaphthalene	ND U	5.4	0.45	1	12/20/05	12/23/05	JWG0504681	
Acenaphthylene	ND U	5.4	0.37	1	12/20/05	12/23/05	JWG0504681	
Acenaphthene	ND U	5.4	0.35	1	12/20/05	12/23/05	JWG0504681	
Dibenzofuran	ND U	5.4	0.47	1	12/20/05	12/23/05	JWG0504681	
Fluorene	ND U	5.4	0.39	1	12/20/05	12/23/05	JWG0504681	
Pentachlorophenol	ND U	22	0.42	1	12/20/05	12/23/05	JWG0504681	
Phenanthrene	ND U	5.4	0.28	1	12/20/05	12/23/05	JWG0504681	
Anthracene	ND U	5.4	0.28	1	12/20/05	12/23/05	JWG0504681	
Carbazole	ND U	5.4	0.59	1	12/20/05	12/23/05	JWG0504681	
Fluoranthene	ND U	5.4	0.28	1	12/20/05	12/23/05	JWG0504681	
Pyrene	ND U	5.4	0.46	1	12/20/05	12/23/05	JWG0504681	
Benz(a)anthracene	ND U	5.4	0.60	1	12/20/05	12/23/05	JWG0504681	
Chrysene	ND U	5.4	0.55	1	12/20/05	12/23/05	JWG0504681	
Benzo(b)fluoranthene	ND U	5.4	0.62	1	12/20/05	12/23/05	JWG0504681	
Benzo(k)fluoranthene	ND U	5.4	0.61	1	12/20/05	12/23/05	JWG0504681	
Benzo(a)pyrene	ND U	5.4	0.59	1	12/20/05	12/23/05	JWG0504681	
Indeno(1,2,3-cd)pyrene	ND U	5.4	0.57	1	12/20/05	12/23/05	JWG0504681	
Dibenz(a,h)anthracene	ND U	5.4	0.60	1	12/20/05	12/23/05	JWG0504681	
Benzo(g,h,i)perylene	ND U	5.4	0.53	1	12/20/05	12/23/05	JWG0504681	

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: The Retec Group, Inc.
Project: Beazer/Gainesville/BEAZ7-03610-091
Sample Matrix: Water

Service Request: J0505292
Date Collected: 12/14/2005
Date Received: 12/15/2005

Semi-Volatile Organic Compounds by GC/MS

Sample Name:

FW-4

Units: ug/L**Lab Code:**

J0505292-008

Basis: NA

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	39	10-77	12/23/05	Acceptable
Phenol-d6	20	10-51	12/23/05	Acceptable
Nitrobenzene-d5	79	42-106	12/23/05	Acceptable
2-Fluorobiphenyl	72	43-99	12/23/05	Acceptable
2,4,6-Tribromophenol	79	30-141	12/23/05	Acceptable
Terphenyl-d14	88	23-165	12/23/05	Acceptable

† Analyte Comments

4-Methylphenol

This analyte cannot be separated from 3-Methylphenol.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: The Retec Group, Inc.
Project: Beazer/Gainesville/BEAZ7-03610-091
Sample Matrix: Water

Service Request: J0505292
Date Collected: 12/14/2005
Date Received: 12/15/2005

Semi-Volatile Organic Compounds by GC/MS

Sample Name:	FW-5	Units:	ug/L
Lab Code:	J0505292-009	Basis:	NA
Extraction Method:	EPA 3510C	Level:	Low
Analysis Method:	8270C		

Analyte Name	Result Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Phenol	ND U	5.3	1.8	1	12/20/05	12/23/05	JWG0504681	
2-Methylphenol	ND U	5.3	0.47	1	12/20/05	12/23/05	JWG0504681	
4-Methylphenol†	ND U	5.3	0.77	1	12/20/05	12/23/05	JWG0504681	
2,4-Dimethylphenol	ND U	5.3	0.56	1	12/20/05	12/23/05	JWG0504681	
Naphthalene	ND U	5.3	0.44	1	12/20/05	12/23/05	JWG0504681	
2-Methylnaphthalene	ND U	5.3	0.45	1	12/20/05	12/23/05	JWG0504681	
Acenaphthylene	ND U	5.3	0.36	1	12/20/05	12/23/05	JWG0504681	
Acenaphthene	ND U	5.3	0.34	1	12/20/05	12/23/05	JWG0504681	
Dibenzofuran	ND U	5.3	0.47	1	12/20/05	12/23/05	JWG0504681	
Fluorene	ND U	5.3	0.38	1	12/20/05	12/23/05	JWG0504681	
Pentachlorophenol	ND U	22	0.42	1	12/20/05	12/23/05	JWG0504681	
Phenanthrene	ND U	5.3	0.28	1	12/20/05	12/23/05	JWG0504681	
Anthracene	ND U	5.3	0.28	1	12/20/05	12/23/05	JWG0504681	
Carbazole	ND U	5.3	0.58	1	12/20/05	12/23/05	JWG0504681	
Fluoranthene	ND U	5.3	0.28	1	12/20/05	12/23/05	JWG0504681	
Pyrene	ND U	5.3	0.46	1	12/20/05	12/23/05	JWG0504681	
Benz(a)anthracene	ND U	5.3	0.59	1	12/20/05	12/23/05	JWG0504681	
Chrysene	ND U	5.3	0.54	1	12/20/05	12/23/05	JWG0504681	
Benzo(b)fluoranthene	ND U	5.3	0.62	1	12/20/05	12/23/05	JWG0504681	
Benzo(k)fluoranthene	ND U	5.3	0.60	1	12/20/05	12/23/05	JWG0504681	
Benzo(a)pyrene	ND U	5.3	0.58	1	12/20/05	12/23/05	JWG0504681	
Indeno(1,2,3-cd)pyrene	ND U	5.3	0.56	1	12/20/05	12/23/05	JWG0504681	
Dibenz(a,h)anthracene	ND U	5.3	0.59	1	12/20/05	12/23/05	JWG0504681	
Benzo(g,h,i)perylene	ND U	5.3	0.52	1	12/20/05	12/23/05	JWG0504681	

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: The Retec Group, Inc.
Project: Beazer/Gainesville/BEAZ7-03610-091
Sample Matrix: Water

Service Request: J0505292
Date Collected: 12/14/2005
Date Received: 12/15/2005

Semi-Volatile Organic Compounds by GC/MS

Sample Name: FW-5 **Units:** ug/L
Lab Code: J0505292-009 **Basis:** NA

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	39	10-77	12/23/05	Acceptable
Phenol-d6	21	10-51	12/23/05	Acceptable
Nitrobenzene-d5	84	42-106	12/23/05	Acceptable
2-Fluorobiphenyl	78	43-99	12/23/05	Acceptable
2,4,6-Tribromophenol	84	30-141	12/23/05	Acceptable
Terphenyl-d14	92	23-165	12/23/05	Acceptable

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: The Retec Group, Inc.
Project: Beazer/Gainesville/BEAZ7-03610-091
Sample Matrix: Water

Service Request: J0505292
Date Collected: 12/14/2005
Date Received: 12/15/2005

Semi-Volatile Organic Compounds by GC/MS

Sample Name:	ERB-02	Units:	ug/L
Lab Code:	J0505292-010	Basis:	NA
Extraction Method:	EPA 3510C	Level:	Low
Analysis Method:	8270C		

Analyte Name	Result Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Phenol	ND U	5.7	2.0	1	12/20/05	12/23/05	JWG0504681	
2-Methylphenol	ND U	5.7	0.50	1	12/20/05	12/23/05	JWG0504681	
4-Methylphenol†	ND U	5.7	0.83	1	12/20/05	12/23/05	JWG0504681	
2,4-Dimethylphenol	ND U	5.7	0.60	1	12/20/05	12/23/05	JWG0504681	
Naphthalene	ND U	5.7	0.47	1	12/20/05	12/23/05	JWG0504681	
2-Methylnaphthalene	ND U	5.7	0.48	1	12/20/05	12/23/05	JWG0504681	
Acenaphthylene	ND U	5.7	0.39	1	12/20/05	12/23/05	JWG0504681	
Acenaphthene	ND U	5.7	0.36	1	12/20/05	12/23/05	JWG0504681	
Dibenzofuran	ND U	5.7	0.50	1	12/20/05	12/23/05	JWG0504681	
Fluorene	ND U	5.7	0.41	1	12/20/05	12/23/05	JWG0504681	
Pentachlorophenol	ND U	23	0.44	1	12/20/05	12/23/05	JWG0504681	
Phenanthrene	ND U	5.7	0.30	1	12/20/05	12/23/05	JWG0504681	
Anthracene	ND U	5.7	0.30	1	12/20/05	12/23/05	JWG0504681	
Carbazole	ND U	5.7	0.62	1	12/20/05	12/23/05	JWG0504681	
Fluoranthene	ND U	5.7	0.30	1	12/20/05	12/23/05	JWG0504681	
Pyrene	ND U	5.7	0.49	1	12/20/05	12/23/05	JWG0504681	
Benz(a)anthracene	ND U	5.7	0.63	1	12/20/05	12/23/05	JWG0504681	
Chrysene	ND U	5.7	0.58	1	12/20/05	12/23/05	JWG0504681	
Benzo(b)fluoranthene	ND U	5.7	0.66	1	12/20/05	12/23/05	JWG0504681	
Benzo(k)fluoranthene	ND U	5.7	0.65	1	12/20/05	12/23/05	JWG0504681	
Benzo(a)pyrene	ND U	5.7	0.62	1	12/20/05	12/23/05	JWG0504681	
Indeno(1,2,3-cd)pyrene	ND U	5.7	0.60	1	12/20/05	12/23/05	JWG0504681	
Dibenz(a,h)anthracene	ND U	5.7	0.63	1	12/20/05	12/23/05	JWG0504681	
Benzo(g,h,i)perylene	ND U	5.7	0.56	1	12/20/05	12/23/05	JWG0504681	

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: The Retec Group, Inc.
Project: Beazer/Gainesville/BEAZ7-03610-091
Sample Matrix: Water

Service Request: J0505292
Date Collected: 12/14/2005
Date Received: 12/15/2005

Semi-Volatile Organic Compounds by GC/MS

Sample Name: ERB-02 **Units:** ug/L
Lab Code: J0505292-010 **Basis:** NA

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	41	10-77	12/23/05	Acceptable
Phenol-d6	21	10-51	12/23/05	Acceptable
Nitrobenzene-d5	83	42-106	12/23/05	Acceptable
2-Fluorobiphenyl	79	43-99	12/23/05	Acceptable
2,4,6-Tribromophenol	81	30-141	12/23/05	Acceptable
Terphenyl-d14	89	23-165	12/23/05	Acceptable

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: The Retec Group, Inc.
Project: Beazer/Gainesville/BEAZ7-03610-091
Sample Matrix: Water

Service Request: J0505292
Date Collected: 12/14/2005
Date Received: 12/15/2005

Semi-Volatile Organic Compounds by GC/MS

Sample Name:	FIELD BLANK	Units:	ug/L
Lab Code:	J0505292-012	Basis:	NA
Extraction Method:	EPA 3510C	Level:	Low
Analysis Method:	8270C		

Analyte Name	Result Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Phenol	ND U	5.3	1.8	1	12/20/05	12/23/05	JWG0504681	
2-Methylphenol	ND U	5.3	0.46	1	12/20/05	12/23/05	JWG0504681	
4-Methylphenol†	ND U	5.3	0.77	1	12/20/05	12/23/05	JWG0504681	
2,4-Dimethylphenol	ND U	5.3	0.56	1	12/20/05	12/23/05	JWG0504681	
Naphthalene	ND U	5.3	0.43	1	12/20/05	12/23/05	JWG0504681	
2-Methylnaphthalene	ND U	5.3	0.44	1	12/20/05	12/23/05	JWG0504681	
Acenaphthylene	ND U	5.3	0.36	1	12/20/05	12/23/05	JWG0504681	
Acenaphthene	ND U	5.3	0.34	1	12/20/05	12/23/05	JWG0504681	
Dibenzofuran	ND U	5.3	0.46	1	12/20/05	12/23/05	JWG0504681	
Fluorene	ND U	5.3	0.38	1	12/20/05	12/23/05	JWG0504681	
Pentachlorophenol	ND U	21	0.41	1	12/20/05	12/23/05	JWG0504681	
Phenanthrene	ND U	5.3	0.28	1	12/20/05	12/23/05	JWG0504681	
Anthracene	ND U	5.3	0.28	1	12/20/05	12/23/05	JWG0504681	
Carbazole	ND U	5.3	0.58	1	12/20/05	12/23/05	JWG0504681	
Fluoranthene	ND U	5.3	0.28	1	12/20/05	12/23/05	JWG0504681	
Pyrene	ND U	5.3	0.45	1	12/20/05	12/23/05	JWG0504681	
Benz(a)anthracene	ND U	5.3	0.59	1	12/20/05	12/23/05	JWG0504681	
Chrysene	ND U	5.3	0.54	1	12/20/05	12/23/05	JWG0504681	
Benzo(b)fluoranthene	ND U	5.3	0.61	1	12/20/05	12/23/05	JWG0504681	
Benzo(k)fluoranthene	ND U	5.3	0.60	1	12/20/05	12/23/05	JWG0504681	
Benzo(a)pyrene	ND U	5.3	0.58	1	12/20/05	12/23/05	JWG0504681	
Indeno(1,2,3-cd)pyrene	ND U	5.3	0.56	1	12/20/05	12/23/05	JWG0504681	
Dibenz(a,h)anthracene	ND U	5.3	0.59	1	12/20/05	12/23/05	JWG0504681	
Benzo(g,h,i)perylene	ND U	5.3	0.52	1	12/20/05	12/23/05	JWG0504681	

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: The Retec Group, Inc.
Project: Beazer/Gainesville/BEAZ7-03610-091
Sample Matrix: Water

Service Request: J0505292
Date Collected: 12/14/2005
Date Received: 12/15/2005

Semi-Volatile Organic Compounds by GC/MS

Sample Name: FIELD BLANK
Lab Code: J0505292-012

Units: ug/L
Basis: NA

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	41	10-77	12/23/05	Acceptable
Phenol-d6	21	10-51	12/23/05	Acceptable
Nitrobenzene-d5	85	42-106	12/23/05	Acceptable
2-Fluorobiphenyl	78	43-99	12/23/05	Acceptable
2,4,6-Tribromophenol	88	30-141	12/23/05	Acceptable
Terphenyl-d14	93	23-165	12/23/05	Acceptable

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: The Retec Group, Inc.
Project: Beazer/Gainesville/BEAZ7-03610-091
Sample Matrix: Water

Service Request: J0505292
Date Collected: 12/14/2005
Date Received: 12/15/2005

Semi-Volatile Organic Compounds by GC/MS

Sample Name:	FW-3	Units:	ug/L
Lab Code:	J0505292-013	Basis:	NA
Extraction Method:	EPA 3510C	Level:	Low
Analysis Method:	8270C		

Analyte Name	Result Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Phenol	7.7	5.2	1.8	1	12/20/05	12/23/05	JWG0504681	
2-Methylphenol	9.0	5.2	0.46	1	12/20/05	12/23/05	JWG0504681	
4-Methylphenol†	7.2	5.2	0.76	1	12/20/05	12/23/05	JWG0504681	
2,4-Dimethylphenol	28	5.2	0.55	1	12/20/05	12/23/05	JWG0504681	
Naphthalene	ND U	5.2	0.43	1	12/20/05	12/23/05	JWG0504681	
2-Methylnaphthalene	ND U	5.2	0.44	1	12/20/05	12/23/05	JWG0504681	
Acenaphthylene	ND U	5.2	0.36	1	12/20/05	12/23/05	JWG0504681	
Acenaphthene	0.69 I	5.2	0.33	1	12/20/05	12/23/05	JWG0504681	
Dibenzofuran	ND U	5.2	0.46	1	12/20/05	12/23/05	JWG0504681	
Fluorene	ND U	5.2	0.38	1	12/20/05	12/23/05	JWG0504681	
Pentachlorophenol	ND U	21	0.41	1	12/20/05	12/23/05	JWG0504681	
Phenanthrene	ND U	5.2	0.27	1	12/20/05	12/23/05	JWG0504681	
Anthracene	ND U	5.2	0.27	1	12/20/05	12/23/05	JWG0504681	
Carbazole	ND U	5.2	0.57	1	12/20/05	12/23/05	JWG0504681	
Fluoranthene	ND U	5.2	0.27	1	12/20/05	12/23/05	JWG0504681	
Pyrene	ND U	5.2	0.45	1	12/20/05	12/23/05	JWG0504681	
Benz(a)anthracene	ND U	5.2	0.58	1	12/20/05	12/23/05	JWG0504681	
Chrysene	ND U	5.2	0.53	1	12/20/05	12/23/05	JWG0504681	
Benzo(b)fluoranthene	ND U	5.2	0.60	1	12/20/05	12/23/05	JWG0504681	
Benzo(k)fluoranthene	ND U	5.2	0.59	1	12/20/05	12/23/05	JWG0504681	
Benzo(a)pyrene	ND U	5.2	0.57	1	12/20/05	12/23/05	JWG0504681	
Indeno(1,2,3-cd)pyrene	ND U	5.2	0.55	1	12/20/05	12/23/05	JWG0504681	
Dibenz(a,h)anthracene	ND U	5.2	0.58	1	12/20/05	12/23/05	JWG0504681	
Benzo(g,h,i)perylene	ND U	5.2	0.51	1	12/20/05	12/23/05	JWG0504681	

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: The Retec Group, Inc.
Project: Beazer/Gainesville/BEAZ7-03610-091
Sample Matrix: Water

Service Request: J0505292
Date Collected: 12/14/2005
Date Received: 12/15/2005

Semi-Volatile Organic Compounds by GC/MS

Sample Name: FW-3
Lab Code: J0505292-013

Units: ug/L
Basis: NA

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	40	10-77	12/23/05	Acceptable
Phenol-d6	21	10-51	12/23/05	Acceptable
Nitrobenzene-d5	82	42-106	12/23/05	Acceptable
2-Fluorobiphenyl	80	43-99	12/23/05	Acceptable
2,4,6-Tribromophenol	88	30-141	12/23/05	Acceptable
Terphenyl-d14	89	23-165	12/23/05	Acceptable

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: The Retec Group, Inc.
Project: Beazer/Gainesville/BEAZ7-03610-091
Sample Matrix: Water

Service Request: J0505292
Date Collected: 12/14/2005
Date Received: 12/15/2005

Semi-Volatile Organic Compounds by GC/MS

Sample Name: FW-7

Units: ug/L
Basis: NA

Lab Code: J0505292-014

Level: Low

Extraction Method: EPA 3510C

Analysis Method: 8270C

Analyte Name	Result Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Phenol	ND U	5.4	1.9	1	12/20/05	12/23/05	JWG0504681	
2-Methylphenol	ND U	5.4	0.47	1	12/20/05	12/23/05	JWG0504681	
4-Methylphenol†	ND U	5.4	0.78	1	12/20/05	12/23/05	JWG0504681	
2,4-Dimethylphenol	ND U	5.4	0.57	1	12/20/05	12/23/05	JWG0504681	
Naphthalene	ND U	5.4	0.44	1	12/20/05	12/23/05	JWG0504681	
2-Methylnaphthalene	ND U	5.4	0.45	1	12/20/05	12/23/05	JWG0504681	
Acenaphthylene	ND U	5.4	0.37	1	12/20/05	12/23/05	JWG0504681	
Acenaphthene	ND U	5.4	0.35	1	12/20/05	12/23/05	JWG0504681	
Dibenzofuran	ND U	5.4	0.47	1	12/20/05	12/23/05	JWG0504681	
Fluorene	ND U	5.4	0.39	1	12/20/05	12/23/05	JWG0504681	
Pentachlorophenol	ND U	22	0.42	1	12/20/05	12/23/05	JWG0504681	
Phenanthrene	ND U	5.4	0.28	1	12/20/05	12/23/05	JWG0504681	
Anthracene	ND U	5.4	0.28	1	12/20/05	12/23/05	JWG0504681	
Carbazole	ND U	5.4	0.59	1	12/20/05	12/23/05	JWG0504681	
Fluoranthene	ND U	5.4	0.28	1	12/20/05	12/23/05	JWG0504681	
Pyrene	ND U	5.4	0.46	1	12/20/05	12/23/05	JWG0504681	
Benz(a)anthracene	ND U	5.4	0.60	1	12/20/05	12/23/05	JWG0504681	
Chrysene	ND U	5.4	0.55	1	12/20/05	12/23/05	JWG0504681	
Benzo(b)fluoranthene	ND U	5.4	0.62	1	12/20/05	12/23/05	JWG0504681	
Benzo(k)fluoranthene	ND U	5.4	0.61	1	12/20/05	12/23/05	JWG0504681	
Benzo(a)pyrene	ND U	5.4	0.59	1	12/20/05	12/23/05	JWG0504681	
Indeno(1,2,3-cd)pyrene	ND U	5.4	0.57	1	12/20/05	12/23/05	JWG0504681	
Dibenz(a,h)anthracene	ND U	5.4	0.60	1	12/20/05	12/23/05	JWG0504681	
Benzo(g,h,i)perylene	ND U	5.4	0.53	1	12/20/05	12/23/05	JWG0504681	

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: The Rete Group, Inc.
Project: Beazer/Gainesville/BEAZ7-03610-091
Sample Matrix: Water

Service Request: J0505292
Date Collected: 12/14/2005
Date Received: 12/15/2005

Semi-Volatile Organic Compounds by GC/MS

Sample Name: FW-7
Lab Code: J0505292-014

Units: ug/L
Basis: NA

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	43	10-77	12/23/05	Acceptable
Phenol-d6	23	10-51	12/23/05	Acceptable
Nitrobenzene-d5	89	42-106	12/23/05	Acceptable
2-Fluorobiphenyl	86	43-99	12/23/05	Acceptable
2,4,6-Tribromophenol	92	30-141	12/23/05	Acceptable
Terphenyl-d14	96	23-165	12/23/05	Acceptable

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: The Retec Group, Inc.
Project: Beazer/Gainesville/BEAZ7-03610-091
Sample Matrix: Water

Service Request: J0505292
Date Collected: 12/14/2005
Date Received: 12/15/2005

Semi-Volatile Organic Compounds by GC/MS

Sample Name: FW-6
Lab Code: J0505292-015
Extraction Method: EPA 3510C
Analysis Method: 8270C

Units: ug/L
Basis: NA

Level: Low

Analyte Name	Result Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Phenol	ND U	5.3	1.8	1	12/20/05	12/23/05	JWG0504681	
2-Methylphenol	5.4	5.3	0.46	1	12/20/05	12/23/05	JWG0504681	
4-Methylphenol†	8.7	5.3	0.77	1	12/20/05	12/23/05	JWG0504681	
2,4-Dimethylphenol	17	5.3	0.56	1	12/20/05	12/23/05	JWG0504681	
Naphthalene	1500	110	8.6	20	12/20/05	12/28/05	JWG0504681	
2-Methylnaphthalene	110	5.3	0.44	1	12/20/05	12/23/05	JWG0504681	
Acenaphthylene	ND U	5.3	0.36	1	12/20/05	12/23/05	JWG0504681	
Acenaphthene	100	5.3	0.34	1	12/20/05	12/23/05	JWG0504681	
Dibenzofuran	70	5.3	0.46	1	12/20/05	12/23/05	JWG0504681	
Fluorene	80	5.3	0.38	1	12/20/05	12/23/05	JWG0504681	
Pentachlorophenol	ND U	21	0.41	1	12/20/05	12/23/05	JWG0504681	
Phenanthrene	130	5.3	0.28	1	12/20/05	12/23/05	JWG0504681	
Anthracene	9.5	5.3	0.28	1	12/20/05	12/23/05	JWG0504681	
Carbazole	44	5.3	0.58	1	12/20/05	12/23/05	JWG0504681	
Fluoranthene	35	5.3	0.28	1	12/20/05	12/23/05	JWG0504681	
Pyrene	18	5.3	0.45	1	12/20/05	12/23/05	JWG0504681	
Benz(a)anthracene	0.97 I	5.3	0.59	1	12/20/05	12/23/05	JWG0504681	
Chrysene	0.92 I	5.3	0.54	1	12/20/05	12/23/05	JWG0504681	
Benzo(b)fluoranthene	ND U	5.3	0.61	1	12/20/05	12/23/05	JWG0504681	
Benzo(k)fluoranthene	ND U	5.3	0.60	1	12/20/05	12/23/05	JWG0504681	
Benzo(a)pyrene	ND U	5.3	0.58	1	12/20/05	12/23/05	JWG0504681	
Indeno(1,2,3-cd)pyrene	ND U	5.3	0.56	1	12/20/05	12/23/05	JWG0504681	
Dibenz(a,h)anthracene	ND U	5.3	0.59	1	12/20/05	12/23/05	JWG0504681	
Benzo(g,h,i)perylene	ND U	5.3	0.52	1	12/20/05	12/23/05	JWG0504681	

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: The Retec Group, Inc.
Project: Beazer/Gainesville/BEAZ7-03610-091
Sample Matrix: Water

Service Request: J0505292
Date Collected: 12/14/2005
Date Received: 12/15/2005

Semi-Volatile Organic Compounds by GC/MS

Sample Name: FW-6
Lab Code: J0505292-015

Units: ug/L
Basis: NA

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	46	10-77	12/23/05	Acceptable
Phenol-d6	24	10-51	12/23/05	Acceptable
Nitrobenzene-d5	98	42-106	12/28/05	Acceptable
2-Fluorobiphenyl	86	43-99	12/23/05	Acceptable
2,4,6-Tribromophenol	99	30-141	12/23/05	Acceptable
Terphenyl-d14	97	23-165	12/23/05	Acceptable

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: The Retec Group, Inc.
Project: Beazer/Gainesville/BEAZ7-03610-091
Sample Matrix: Water

Service Request: J0505292
Date Collected: NA
Date Received: NA

Semi-Volatile Organic Compounds by GC/MS

Sample Name: Method Blank **Units:** ug/L
Lab Code: JWG0504681-4 **Basis:** NA
Extraction Method: EPA 3510C **Level:** Low
Analysis Method: 8270C

Analyte Name	Result Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Phenol	ND U	5.0	1.7	1	12/20/05	12/23/05	JWG0504681	
2-Methylphenol	ND U	5.0	0.44	1	12/20/05	12/23/05	JWG0504681	
4-Methylphenol†	ND U	5.0	0.73	1	12/20/05	12/23/05	JWG0504681	
2,4-Dimethylphenol	ND U	5.0	0.53	1	12/20/05	12/23/05	JWG0504681	
Naphthalene	ND U	5.0	0.41	1	12/20/05	12/23/05	JWG0504681	
2-Methylnaphthalene	ND U	5.0	0.42	1	12/20/05	12/23/05	JWG0504681	
Acenaphthylene	ND U	5.0	0.34	1	12/20/05	12/23/05	JWG0504681	
Acenaphthene	ND U	5.0	0.32	1	12/20/05	12/23/05	JWG0504681	
Dibenzofuran	ND U	5.0	0.44	1	12/20/05	12/23/05	JWG0504681	
Fluorene	ND U	5.0	0.36	1	12/20/05	12/23/05	JWG0504681	
Pentachlorophenol	ND U	20	0.39	1	12/20/05	12/23/05	JWG0504681	
Phenanthrene	ND U	5.0	0.26	1	12/20/05	12/23/05	JWG0504681	
Anthracene	ND U	5.0	0.26	1	12/20/05	12/23/05	JWG0504681	
Carbazole	ND U	5.0	0.55	1	12/20/05	12/23/05	JWG0504681	
Fluoranthene	ND U	5.0	0.26	1	12/20/05	12/23/05	JWG0504681	
Pyrene	ND U	5.0	0.43	1	12/20/05	12/23/05	JWG0504681	
Benz(a)anthracene	ND U	5.0	0.56	1	12/20/05	12/23/05	JWG0504681	
Chrysene	ND U	5.0	0.51	1	12/20/05	12/23/05	JWG0504681	
Benzo(b)fluoranthene	ND U	5.0	0.58	1	12/20/05	12/23/05	JWG0504681	
Benzo(k)fluoranthene	ND U	5.0	0.57	1	12/20/05	12/23/05	JWG0504681	
Benzo(a)pyrene	ND U	5.0	0.55	1	12/20/05	12/23/05	JWG0504681	
Indeno(1,2,3-cd)pyrene	ND U	5.0	0.53	1	12/20/05	12/23/05	JWG0504681	
Dibenz(a,h)anthracene	ND U	5.0	0.56	1	12/20/05	12/23/05	JWG0504681	
Benzo(g,h,i)perylene	ND U	5.0	0.49	1	12/20/05	12/23/05	JWG0504681	

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: The Retec Group, Inc.
Project: Beazer/Gainesville/BEAZ7-03610-091
Sample Matrix: Water

Service Request: J0505292
Date Collected: NA
Date Received: NA

Semi-Volatile Organic Compounds by GC/MS

Sample Name: Method Blank
Lab Code: JWG0504681-4

Units: ug/L
Basis: NA

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	40	10-77	12/23/05	Acceptable
Phenol-d6	21	10-51	12/23/05	Acceptable
Nitrobenzene-d5	84	42-106	12/23/05	Acceptable
2-Fluorobiphenyl	78	43-99	12/23/05	Acceptable
2,4,6-Tribromophenol	86	30-141	12/23/05	Acceptable
Terphenyl-d14	93	23-165	12/23/05	Acceptable

† Analyte Comments

4-Methylphenol This analyte cannot be separated from 3-Methylphenol.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC

Analytical Report

Client: The Retec Group, Inc.
Project Name: Beazer/Gainesville
Project Number: BEAZZ-03610-091
Matrix: WATER

Service Request: J0505292
Date Collected: 12/13/05
Date Received: 12/15/05

TOTAL DISSOLVED METALS

Sample Name: FW-8 Unit: mg/L (ppm)
Lab Code: J0505292-001 Basis: NA
Test Notes:

Analyte	Prep Method	Analysis Method	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Results	Result Notes
Arsenic	EPA 3020A	6020	0.00050	0.00017	1.0	12/23/05	12/30/2005	0.00087	
Chromium	EPA 3020A	6020	0.0020	0.00008	1.0	12/23/05	12/30/2005	0.00095	i
Copper	EPA 3020A	6020	0.0020	0.00025	1.0	12/23/05	12/30/2005	U	
Zinc	EPA 3020A	6020	0.010	0.00073	1.0	12/23/05	12/30/2005	0.0057	i

COLUMBIA ANALYTICAL SERVICES, INC

Analytical Report

Client: The Retec Group, Inc.
Project Name: Beazer/Gainesville
Project Number: BEAZ7-03610-091
Matrix: WATER

Service Request: J0505292
Date Collected: 12/13/05
Date Received: 12/15/05

TOTAL DISSOLVED METALS

Sample Name: ERB-01
Lab Code: J0505292-002
Test Notes:

Unit: mg/L (ppm)
Basis: NA

Analyte	Prep Method	Analysis Method	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Results	Result Notes
Arsenic	EPA 3020A	6020	0.00050	0.00017	1.0	12/23/05	12/30/2005	U	i
Chromium	EPA 3020A	6020	0.0020	0.00008	1.0	12/23/05	12/30/2005	0.00089	i
Copper	EPA 3020A	6020	0.0020	0.00025	1.0	12/23/05	12/30/2005	U	i
Zinc	EPA 3020A	6020	0.010	0.00073	1.0	12/23/05	12/30/2005	0.0035	i

COLUMBIA ANALYTICAL SERVICES, INC

Analytical Report

Client: The Retec Group, Inc.
Project Name: Beazer/Gainesville
Project Number: BEAZ7-03610-091
Matrix: WATER

Service Request: J0505292
Date Collected: 12/13/05
Date Received: 12/15/05

TOTAL DISSOLVED METALS

Sample Name: MWTP-MW-1 Unit: mg/L (ppm)
Lab Code: J0505292-003 Basis: NA
Test Notes:

Analyte	Prep Method	Analysis Method	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Results	Result Notes
Arsenic	EPA 3020A	6020	0.00050	0.00017	1.0	12/23/05	12/30/2005	0.0014	
Chromium	EPA 3020A	6020	0.0020	0.00008	1.0	12/23/05	12/30/2005	0.00092	i
Copper	EPA 3020A	6020	0.0020	0.00025	1.0	12/23/05	12/30/2005	U	
Zinc	EPA 3020A	6020	0.010	0.00073	1.0	12/23/05	12/30/2005	0.0031	i

COLUMBIA ANALYTICAL SERVICES, INC

Analytical Report

Client: The Retec Group, Inc.
Project Name: Beazer/Gainesville
Project Number: BEAZ7-03610-091
Matrix: WATER

Service Request: J0505292
Date Collected: 12/13/05
Date Received: 12/15/05

TOTAL DISSOLVED METALS

Sample Name: FW-9
Lab Code: J0505292-004
Test Notes:

Unit: mg/L (ppm)
Basis: NA

Analyte	Prep Method	Analysis Method	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Results	Result Notes
Arsenic	EPA 3020A	6020	0.00050	0.00017	1.0	12/23/05	12/30/2005	0.024	
Chromium	EPA 3020A	6020	0.0020	0.00008	1.0	12/23/05	12/30/2005	0.00091	i
Copper	EPA 3020A	6020	0.0020	0.00025	1.0	12/23/05	12/30/2005	U	
Zinc	EPA 3020A	6020	0.010	0.00073	1.0	12/23/05	12/30/2005	0.0045	i

COLUMBIA ANALYTICAL SERVICES, INC

Analytical Report

Client: The Retec Group, Inc.
Project Name: Beazer/Gainesville
Project Number: BEAZ7-03610-091
Matrix: WATER

Service Request: J0505292
Date Collected: 12/13/05
Date Received: 12/15/05

TOTAL DISSOLVED METALS

Sample Name: FW-2 Unit: mg/L (ppm)
Lab Code: J0505292-005 Basis: NA
Test Notes:

Analyte	Prep Method	Analysis Method	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Results	Result Notes
Arsenic	EPA 3020A	6020	0.00050	0.00017	1.0	12/23/05	12/30/2005	0.00066	
Chromium	EPA 3020A	6020	0.0020	0.00008	1.0	12/23/05	12/30/2005	0.0014	i
Copper	EPA 3020A	6020	0.0020	0.00025	1.0	12/23/05	12/30/2005	U	
Zinc	EPA 3020A	6020	0.010	0.00073	1.0	12/23/05	12/30/2005	0.0041	i

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: The Retec Group, Inc.
Project Name: Beazer/Gainesville
Project Number: BEAZ7-03610-091
Matrix: WATER

Service Request: J0505292
Date Collected: 12/13/05
Date Received: 12/15/05

TOTAL DISSOLVED METALS

Sample Name: FW-2 DUP01
Lab Code: J0505292-006
Test Notes:

Unit: mg/L (ppm)
Basis: NA

Analyte	Prep Method	Analysis Method	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Results	Result Notes
Arsenic	EPA 3020A	6020	0.00050	0.00017	1.0	12/23/05	12/30/2005	0.0015	
Chromium	EPA 3020A	6020	0.0020	0.00008	1.0	12/23/05	12/30/2005	0.0017	i
Copper	EPA 3020A	6020	0.0020	0.00025	1.0	12/23/05	12/30/2005	0.0013	i
Zinc	EPA 3020A	6020	0.010	0.00073	1.0	12/23/05	12/30/2005	0.0057	i

COLUMBIA ANALYTICAL SERVICES, INC

Analytical Report

Client: The Retec Group, Inc.
Project Name: Beazer/Gainesville
Project Number: BEAZ7-03610-091
Matrix: WATER

Service Request: J0505292
Date Collected: 12/13/05
Date Received: 12/15/05

TOTAL DISSOLVED METALS

Sample Name: FILTER BLANK
Lab Code: J0505292-007
Test Notes:

Unit: mg/L (ppm)
Basis: NA

Analyte	Prep Method	Analysis Method	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Results	Result Notes
Arsenic	EPA 3020A	6020	0.00050	0.00017	1.0	12/23/05	12/30/2005	U	
Chromium	EPA 3020A	6020	0.0020	0.00008	1.0	12/23/05	12/30/2005	0.00087	i
Copper	EPA 3020A	6020	0.0020	0.00025	1.0	12/23/05	12/30/2005	U	
Zinc	EPA 3020A	6020	0.010	0.00073	1.0	12/23/05	12/30/2005	0.0027	i

COLUMBIA ANALYTICAL SERVICES, INC

Analytical Report

Client: The Retec Group, Inc.
Project Name: Beazer/Gainesville
Project Number: BEAZ7-03610-091
Matrix: WATER

Service Request: J0505292
Date Collected: 12/13/05
Date Received: 12/15/05

TOTAL DISSOLVED METALS

Sample Name: FW-4 **Unit:** mg/L (ppm)
Lab Code: J0505292-008 **Basis:** NA
Test Notes:

Analyte	Prep Method	Analysis Method	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Results	Result Notes
Arsenic	EPA 3020A	6020	0.00050	0.00017	1.0	12/23/05	12/30/2005	0.00052	
Chromium	EPA 3020A	6020	0.0020	0.00008	1.0	12/23/05	12/30/2005	0.00095	i
Copper	EPA 3020A	6020	0.0020	0.00025	1.0	12/23/05	12/30/2005	U	
Zinc	EPA 3020A	6020	0.010	0.00073	1.0	12/23/05	12/30/2005	0.0029	i

COLUMBIA ANALYTICAL SERVICES, INC

Analytical Report

Client: The Retec Group, Inc.
Project Name: Beazer/Gainesville
Project Number: BEAZ7-03610-091
Matrix: WATER

Service Request: J0505292
Date Collected: 12/13/05
Date Received: 12/15/05

TOTAL DISSOLVED METALS

Sample Name: FW-5 Unit: mg/L (ppm)
Lab Code: J0505292-009 Basis: NA
Test Notes:

Analyte	Prep Method	Analysis Method	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Results	Result Notes
Arsenic	EPA 3020A	6020	0.00050	0.00017	1.0	12/23/05	12/30/2005	0.0011	
Chromium	EPA 3020A	6020	0.0020	0.00008	1.0	12/23/05	12/30/2005	0.0011	i
Copper	EPA 3020A	6020	0.0020	0.00025	1.0	12/23/05	12/30/2005	0.00054	i
Zinc	EPA 3020A	6020	0.010	0.00073	1.0	12/23/05	12/30/2005	0.0080	i

COLUMBIA ANALYTICAL SERVICES, INC

Analytical Report

Client: The Retec Group, Inc.
 Project Name: Beazer/Gainesville
 Project Number: BEAZ7-03610-091
 Matrix: WATER

Service Request: J0505292
 Date Collected: 12/13/05
 Date Received: 12/15/05

TOTAL DISSOLVED METALS

Sample Name: ERB-02 Unit: mg/L (ppm)
 Lab Code: J0505292-010 Basis: NA
 Test Notes:

Analyte	Prep Method	Analysis Method	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Results	Result Notes
Arsenic	EPA 3020A	6020	0.00050	0.00017	1.0	12/23/05	12/30/2005	U	i
Chromium	EPA 3020A	6020	0.0020	0.00008	1.0	12/23/05	12/30/2005	0.00085	i
Copper	EPA 3020A	6020	0.0020	0.00025	1.0	12/23/05	12/30/2005	U	i
Zinc	EPA 3020A	6020	0.010	0.00073	1.0	12/23/05	12/30/2005	0.0042	i

COLUMBIA ANALYTICAL SERVICES, INC

Analytical Report

Client: The Retec Group, Inc.
Project Name: Beazer/Gainesville
Project Number: BEAZ7-03610-091
Matrix: WATER

Service Request: J0505292
Date Collected: 12/13/05
Date Received: 12/15/05

TOTAL DISSOLVED METALS

Sample Name: FIELD BLANK **Unit:** mg/L (ppm)
Lab Code: J0505292-012 **Basis:** NA
Test Notes:

Analyte	Prep Method	Analysis Method	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Results	Result Notes
Arsenic	EPA 3020A	6020	0.00050	0.00017	1.0	12/23/05	12/30/2005	0.00024	i
Chromium	EPA 3020A	6020	0.0020	0.00008	1.0	12/23/05	12/30/2005	0.0014	i
Copper	EPA 3020A	6020	0.0020	0.00025	1.0	12/23/05	12/30/2005	U	
Zinc	EPA 3020A	6020	0.010	0.00073	1.0	12/23/05	12/30/2005	0.0039	i

COLUMBIA ANALYTICAL SERVICES, INC

Analytical Report

Client: The Retec Group, Inc.
Project Name: Beazer/Gainesville
Project Number: BEAZ7-03610-091
Matrix: WATER

Service Request: J0505292
Date Collected: 12/13/05
Date Received: 12/15/05

TOTAL DISSOLVED METALS

Sample Name: FW-3 Unit: mg/L (ppm)
Lab Code: J0505292-013 Basis: NA
Test Notes:

Analyte	Prep Method	Analysis Method	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Results	Result Notes
Arsenic	EPA 3020A	6020	0.00050	0.00017	1.0	12/23/05	12/30/2005	0.028	
Chromium	EPA 3020A	6020	0.0020	0.00008	1.0	12/23/05	12/30/2005	0.00095	i
Copper	EPA 3020A	6020	0.0020	0.00025	1.0	12/23/05	12/30/2005	U	
Zinc	EPA 3020A	6020	0.010	0.00073	1.0	12/23/05	12/30/2005	0.0026	i

COLUMBIA ANALYTICAL SERVICES, INC

Analytical Report

Client: The Retec Group, Inc.
Project Name: Beazer/Gainesville
Project Number: BEAZ7-03610-091
Matrix: WATER

Service Request: J0505292
Date Collected: 12/13/05
Date Received: 12/15/05

TOTAL DISSOLVED METALS

Sample Name: FW-7 Unit: mg/L (ppm)
Lab Code: J0505292-014 Basis: NA
Test Notes:

Analyte	Prep Method	Analysis Method	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Results	Result Notes
Arsenic	EPA 3020A	6020	0.00050	0.00017	1.0	12/23/05	12/30/2005	0.0084	
Chromium	EPA 3020A	6020	0.0020	0.00008	1.0	12/23/05	12/30/2005	0.00098	i
Copper	EPA 3020A	6020	0.0020	0.00025	1.0	12/23/05	12/30/2005	U	
Zinc	EPA 3020A	6020	0.010	0.00073	1.0	12/23/05	12/30/2005	0.0050	i

COLUMBIA ANALYTICAL SERVICES, INC

Analytical Report

Client: The Retec Group, Inc.
Project Name: Beazer/Gainesville
Project Number: BEAZ7-03610-091
Matrix: WATER

Service Request: J0505292
Date Collected: 12/13/05
Date Received: 12/15/05

TOTAL DISSOLVED METALS

Sample Name: FW-6 **Unit:** mg/L (ppm)
Lab Code: J0505292-015 **Basis:** NA
Test Notes:

Analyte	Prep Method	Analysis Method	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Results	Result Notes
Arsenic	EPA 3020A	6020	0.00050	0.00017	1.0	12/23/05	12/30/2005	0.0013	
Chromium	EPA 3020A	6020	0.0020	0.00008	1.0	12/23/05	12/30/2005	0.0017	i
Copper	EPA 3020A	6020	0.0020	0.00025	1.0	12/23/05	12/30/2005	U	
Zinc	EPA 3020A	6020	0.010	0.00073	1.0	12/23/05	12/30/2005	0.0022	i

COLUMBIA ANALYTICAL SERVICES, INC

Analytical Report

Client: The Retec Group, Inc.
Project Name: Beazer/Gainesville
Project Number: BEAZ7-03610-091
Matrix: WATER

Service Request: J0505292
Date Collected: NA
Date Received: NA

TOTAL DISSOLVED METALS

Sample Name: Method Blank **Unit:** mg/L (ppm)
Lab Code: J0505292-MBW **Basis:** NA
Test Notes:

Analyte	Prep Method	Analysis Method	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Results	Result Notes
Arsenic	EPA 3020A	6020	0.00050	0.00017	1.0	12/23/05	12/30/2005	0.00018	i
Chromium	EPA 3020A	6020	0.0020	0.00008	1.0	12/23/05	12/30/2005	0.00071	i
Copper	EPA 3020A	6020	0.0020	0.00025	1.0	12/23/05	12/30/2005	0.00027	i
Zinc	EPA 3020A	6020	0.010	0.00073	1.0	12/23/05	12/30/2005	0.0040	i

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: The Retec Group, Inc.
Project: Beazer/Gainesville/BEAZ7-03610-091
Sample Matrix: Water

Service Request: J0505292

Surrogate Recovery Summary
Volatile Organic Compounds by GC/MS

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: PERCENT
Level: Low

<u>Sample Name</u>	<u>Lab Code</u>	<u>Sur1</u>	<u>Sur2</u>	<u>Sur3</u>	<u>Sur4</u>
FW-8	J0505292-001	95	97	97	102
ERB-01	J0505292-002	97	88	97	99
MWTP-MW-1	J0505292-003	94	87	100	104
FW-9	J0505292-004	96	103	102	101
FW-2	J0505292-005	98	93	102	106
FW-2 DUP01	J0505292-006	100	96	98	103
FW-4	J0505292-008	100	96	96	109
FW-5	J0505292-009	96	91	97	100
ERB-02	J0505292-010	101	96	102	101
TRIP BLANK	J0505292-011	101	88	102	98
FIELD BLANK	J0505292-012	92	96	96	98
FW-3	J0505292-013	100	96	106	97
FW-7	J0505292-014	100	90	99	102
FW-6	J0505292-015	98	89	91	100
Method Blank	JWG0504678-4	103	95	93	104
FW-6MS	JWG0504678-1	92	90	100	99
FW-6DMS	JWG0504678-2	97	87	100	101
Lab Control Sample	JWG0504678-3	99	91	100	99

Surrogate Recovery Control Limits (%)

Sur1 = 1,2-Dichloroethane-d4	80-116
Sur2 = 4-Bromofluorobenzene	78-113
Sur3 = Toluene-d8	86-121
Sur4 = Dibromofluoromethane	84-111

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: The Retec Group, Inc.
Project: Beazer/Gainesville/BEAZ7-03610-091
Sample Matrix: Water

Service Request: J0505292
Date Extracted: 12/21/2005
Date Analyzed: 12/21/2005

Lab Control Spike Summary
Volatile Organic Compounds by GC/MS

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: JWG0504678

Lab Control Sample
JWG0504678-3
Lab Control Spike

Analyte Name	Result	Expected	%Rec	%Rec Limits
Benzene	18.8	20.0	94	79-119
Toluene	19.2	20.0	96	86-117
Ethylbenzene	19.7	20.0	99	90-118
m,p-Xylenes	39.6	40.0	99	86-121
o-Xylene	19.4	20.0	97	89-119

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: The Retec Group, Inc.
Project: Beazer/Gainesville/BEAZ7-03610-091
Sample Matrix: Water

Service Request: J0505292
Date Extracted: 12/20/2005
Date Analyzed: 12/23/2005

Lab Control Spike Summary
Semi-Volatile Organic Compounds by GC/MS

Extraction Method: EPA 3510C
Analysis Method: 8270C

Units: ug/L

Basis: NA

Level: Low

Extraction Lot: JWG0504681

Lab Control Sample
JWG0504681-3
Lab Control Spike

Analyte Name	Result	Expected	%Rec	%Rec Limits
Phenol	35.6	100	36	12-54
2-Methylphenol	68.2	100	68	21-100
4-Methylphenol	92.5	150	62	15-93
2,4-Dimethylphenol	68.5	100	69	38-86
Naphthalene	85.6	100	86	44-97
2-Methylnaphthalene	92.0	100	92	46-97
Acenaphthylene	86.8	100	87	45-99
Acenaphthene	88.5	100	88	42-106
Dibenzofuran	96.3	100	96	49-103
Fluorene	90.8	100	91	54-97
Pentachlorophenol	106	100	106	44-120
Phenanthrene	96.4	100	96	52-99
Anthracene	98.4	100	98	52-104
Fluoranthene	101	100	101	52-110
Pyrene	96.9	100	97	53-100
Benz(a)anthracene	100	100	100	49-114
Chrysene	97.8	100	98	50-113
Benzo(b)fluoranthene	95.7	100	96	56-103
Benzo(k)fluoranthene	83.6	100	84	48-110
Benzo(a)pyrene	94.5	100	95	56-107
Indeno(1,2,3-cd)pyrene	87.9	100	88	54-115
Dibenz(a,h)anthracene	87.7	100	88	51-125
Benzo(g,h,i)perylene	87.1	100	87	53-116

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC

QA/QC Report

Client: The Retec Group, Inc.
Project Name: Beazer/Gainesville
Project Number: BEAZ7-03610-091
Matrix: WATER

Service Request: J0505292
Date Collected: 12/13/05
Date Received: 12/15/05
Date Extracted: 12/23/05
Date Analyzed: 12/30/2005

Matrix Spike Summary
TOTAL DISSOLVED METALS

Sample Name: FW-6S
Lab Code: J0505292-015S
Test Notes:

Unit: mg/L
Basis: NA

Analyte	Prep Method	Analysis Method	MRL	Spike Level	Sample Results	Spiked Sample Results	Percent Recovery	CAS Percent Recovery Acceptance Limits	Result Notes
Arsenic	EPA 3020A	6020	0.00050	0.0500	0.00128	0.0504	98	75-125	
Chromium	EPA 3020A	6020	0.0020	0.0500	U	0.0480	93	75-125	
Copper	EPA 3020A	6020	0.0020	0.0500	U	0.0474	95	75-125	
Zinc	EPA 3020A	6020	0.010	0.100	U	0.0995	97	75-125	

COLUMBIA ANALYTICAL SERVICES, INC

QA/QC Report

Client: The Retec Group, Inc.
Project Name: Beazer/Gainesville
Project Number: BEAZ7-03610-091
Matrix: WATER

Service Request: J0505292
Date Collected: 12/13/05
Date Received: 12/15/05
Date Extracted: 12/23/05
Date Analyzed: 12/30/2005

Matrix Spike/Matrix Spike Duplicate Summary TOTAL DISSOLVED METALS

Sample Name: FW-6 **Unit:** mg/L
Lab Code: J0505292-015S **Basis:** NA
Test Notes:

Analyte	Prep Method	Analysis Method	MRL	Spiked Sample Results	Spiked Duplicate Results	Relative Percent Difference	CAS Percent Difference Acceptance Limits	Result Notes
Arsenic	EPA 3020A	6020	0.00050	0.0504	0.0517	2.5	20	
Chromium	EPA 3020A	6020	0.0020	0.0480	0.0492	2.5	20	
Copper	EPA 3020A	6020	0.0020	0.0474	0.0486	2.5	20	
Zinc	EPA 3020A	6020	0.010	0.0995	0.103	3.5	20	

COLUMBIA ANALYTICAL SERVICES, INC

QA/QC Report

Client: The Retec Group, Inc.
Project Name: Beazer/Gainesville
Project Number: BEAZ7-03610-091
Matrix: WATER

Service Request: J0505292
Date Collected: NA
Date Received: NA
Date Extracted: 12/23/05
Date Analyzed: 12/30/2005

Laboratory Control Sample Summary TOTAL DISSOLVED METALS

Sample Name: Laboratory Control Sample
Lab Code: J0505292-LCSW
Test Notes:

Unit: mg/L
 Basis: NA

Analyte	Prep Method	Analysis Method	MRL	True Value	Results	Percent Recovery	CAS Percent Recovery	Acceptance Limits	Result Notes
Arsenic	EPA 3020A	6020	0.00050	0.0500	0.0477	95	80-120		
Chromium	EPA 3020A	6020	0.0020	0.0500	0.0484	97	80-120		
Copper	EPA 3020A	6020	0.0020	0.0500	0.0490	98	80-120		
Zinc	EPA 3020A	6020	0.010	0.100	0.0983	98	80-120		

Columbia Analytical Services, Inc.
Cooler Receipt and Preservation Form

Client:	<u>RETEC</u>		Service Request #	<u>J0505292</u>																																																														
Project:	<u>BEAVER</u>																																																																	
Cooler received on	<u>12-15-05</u>		and opened on	<u>12-15-05</u>	by																																																													
COURIER:	CAS	UPS	FEDEX	DHL	<u>CLIENT</u>																																																													
					Tracking #																																																													
1	Were custody seals on outside of cooler?			Yes	No	N/A																																																												
2	Were seals intact, signed and dated?			Yes	No	<u>N/A</u>																																																												
3	Were custody papers properly filled out?			Yes	No	N/A																																																												
4	Temperature of cooler(s) upon receipt	(Should be 4 +/- 2 degrees C)		<u>0.7</u>	<u>0.7</u>	<u>1.1</u>																																																												
5	Correct Temperature?			Yes	No	N/A																																																												
6	Were Ice or Ice Packs present			Yes	No	N/A																																																												
7	Did all bottles arrive in good condition (unbroken, etc....)?			Yes	No	N/A																																																												
8	Were all bottle labels complete (sample ID, preservation, etc....)?			Yes	No	N/A																																																												
9	Did all bottle labels and tags agree with custody papers?			Yes	No	N/A																																																												
10	Were the correct bottles used for the tests indicated?			Yes	No	N/A																																																												
11	Were all of the preserved bottles received with the appropriate preservative?			Yes	No	N/A																																																												
	HNO ₃ pH<2	H ₂ SO ₄ pH<2	ZnAc ₂ /NaOH pH>9	NaOH pH>12	HCl pH<2																																																													
Preservative additions noted below																																																																		
12	Were all samples received within analysis holding times?			Yes	No	N/A																																																												
13	Were VOA vials checked for absence of air bubbles? If present, note below			Yes	No	N/A																																																												
14	Where did the bottles originate?			<u>CAS</u>	Client																																																													
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 25%;">Sample ID</th> <th style="width: 25%;">Reagent</th> <th style="width: 25%;">Manuf. Lot # or CAS Chem ID</th> <th style="width: 25%;">ml added</th> <th style="width: 25%;">Initials</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>							Sample ID	Reagent	Manuf. Lot # or CAS Chem ID	ml added	Initials																																																							
Sample ID	Reagent	Manuf. Lot # or CAS Chem ID	ml added	Initials																																																														
Additional comments and/or explanation of all discrepancies noted above: _____ _____ _____ _____																																																																		
Client approval to run samples if discrepancies noted:					Date: <u>73</u>																																																													

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

8540 Baycenter Rd. • Jacksonville, FL 32256 • (904) 739-2277 • 800-695-7222 x06 • FAX (904) 739-2011

PAGE 2 OF 2

SR #

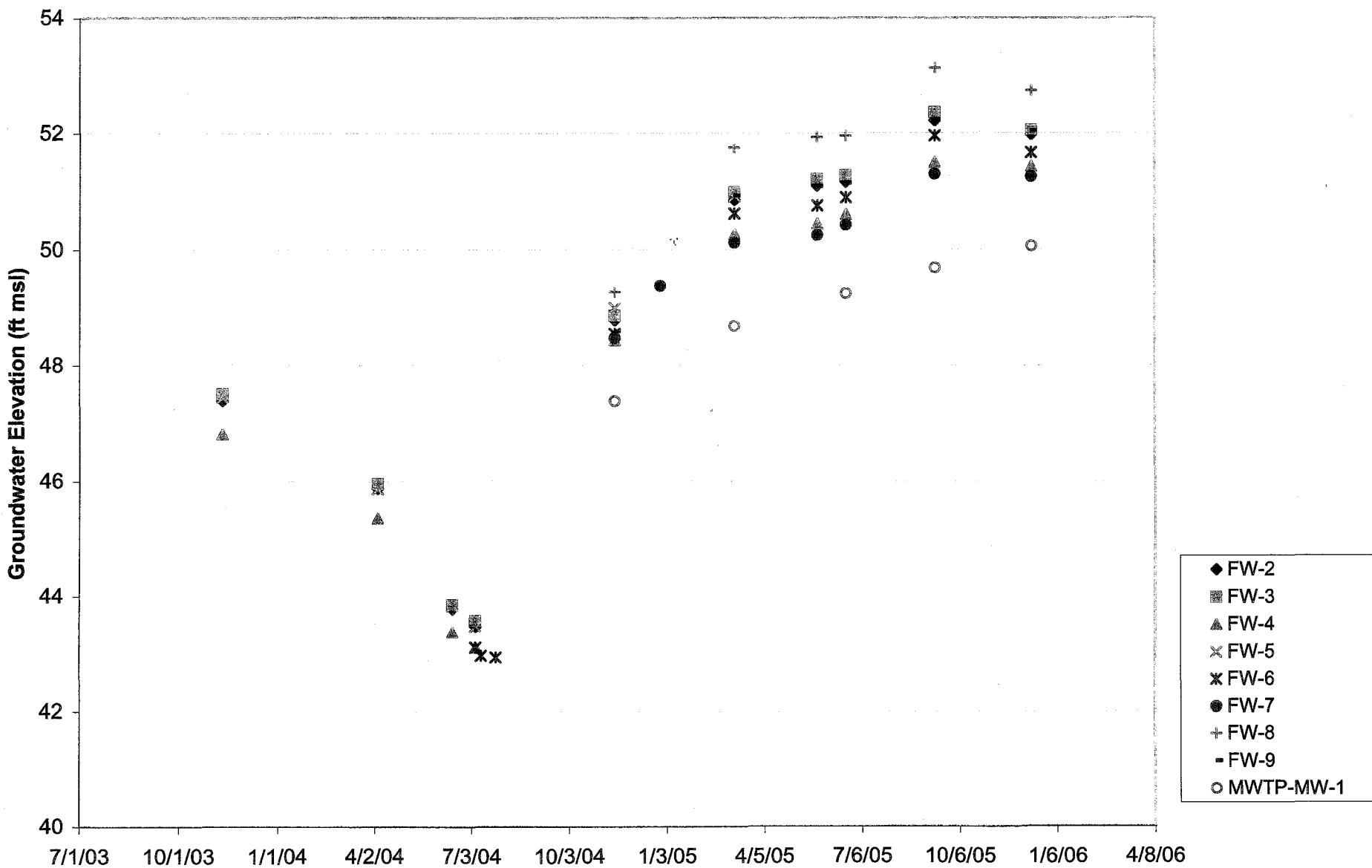
CAS Contact

Project Name BEAZER / GAINESVILLE		Project Number BEA27-03610-091	ANALYSIS REQUESTED (Include Method Number and Container Preservative)																
Project Manager JEN ATKINS	Report CC		PRESERVATIVE		002										Preservative Key 0. NONE 1. HCl 2. HNO3 3. H2SO4 4. NaOH 5. Zn. Acetate 6. MeOH 7. NaHSO4 8. Other _____				
Company/Address THE RETEC GROUP 300 BAKER AVE CONCORD, MA 01742		NUMBER OF CONTAINERS																	
Phone # 978-371-1422	FAX# 371-1448	8260		B															
Sampler's Signature Jeff Leaver		8270		C															
Sampler's Printed Name JEFF LEAVER		0.55. METALS																	
CLIENT SAMPLE ID		LAB ID	SAMPLING DATE	TIME	MATRIX	3	2	1											
TRIP BLANK			—	—	—	X													
FIELD BLANK			12/14/05	0930	6W	X	X	X											
FW-3				1050															
FW-7				1400															
FW-6				1545															
FW-6 MS01				1545															
FW-6 MS001			▼	1545	▼	▼	▼	▼											
SPECIAL INSTRUCTIONS/COMMENTS FLORIDA						TURNAROUND REQUIREMENTS		REPORT REQUIREMENTS		INVOICE INFORMATION									
						RUSH (SURCHARGES APPLY)		I. Results Only											
						STANDARD		II. Results + QC Summaries (LCS, DUP, MS/MSD as required)		PO#									
						REQUESTED FAX DATE		III. Results + QC and Calibration Summaries		BILL TO:									
						REQUESTED REPORT DATE		IV. Data Validation Report with Raw Data											
								V. Specialized Forms / Custom Report											
								Edata Yes No											
See QAPP <input type="checkbox"/>																			
SAMPLE RECEIPT: CONDITION/COOLER TEMP:						CUSTODY SEALS: Y N													
RELINQUISHED BY		RECEIVED BY	RELINQUISHED BY		RECEIVED BY		RELINQUISHED BY		RECEIVED BY										
Jeff Leaver		Chica J. Weller	Signature		Signature		Signature		Signature										
Signature JEFF LEAVER		Printed Name ERIN / RETEC	Printed Name Chica J. Weller		Printed Name		Printed Name		Printed Name										
Firm 12 LISTS		Firm OF	Firm		Firm		Firm		Firm										
Date/Time 12/15/05 1220		Date/Time 12/15/05 1220	Date/Time		Date/Time		Date/Time		Date/Time										

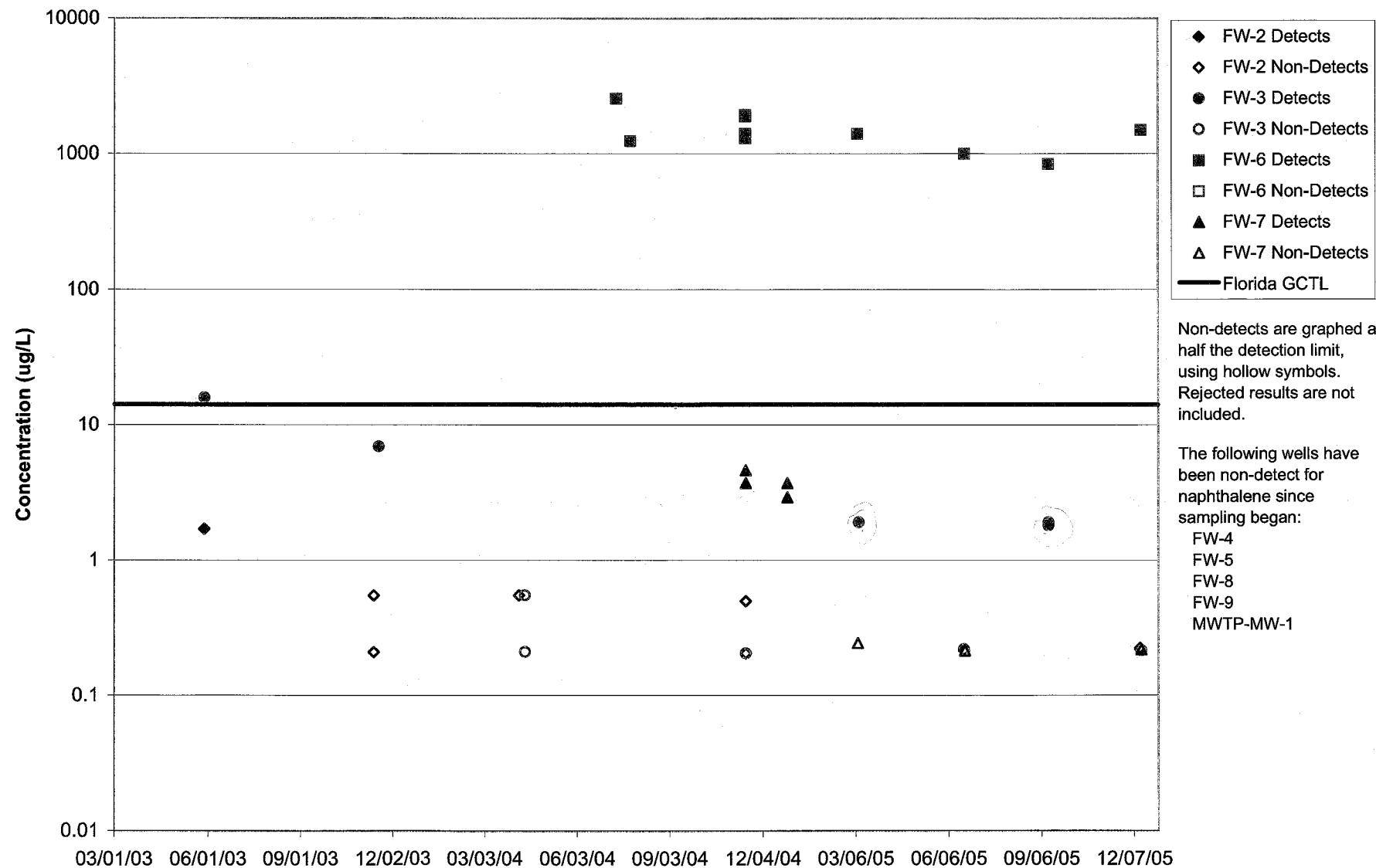
Attachment C

Constituent Trend Graphs

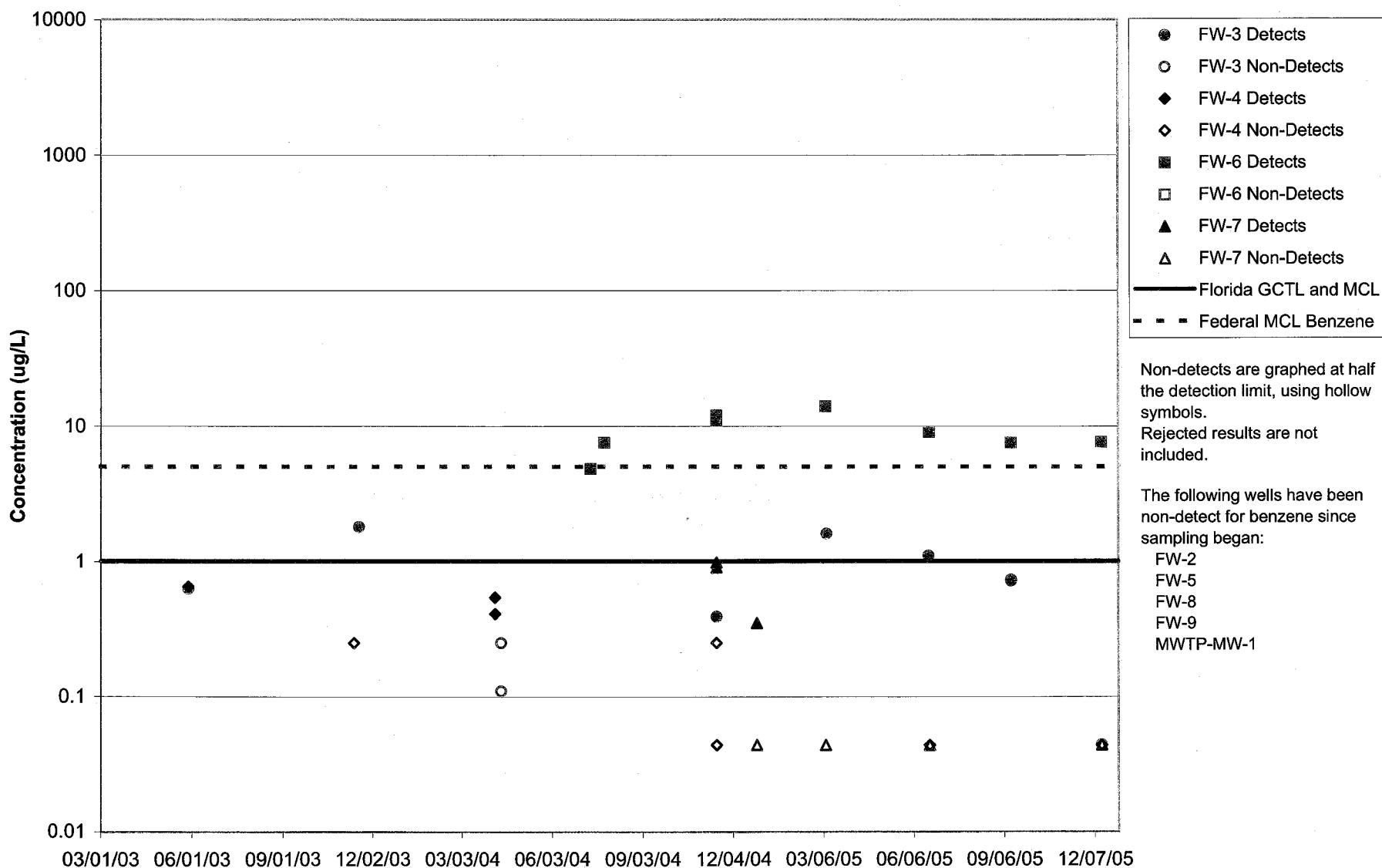
Groundwater Elevation Trends in Floridan Aquifer
November 2003 through December 2005
Cabot Carbon / Koppers Superfund Site, Gainesville, FL



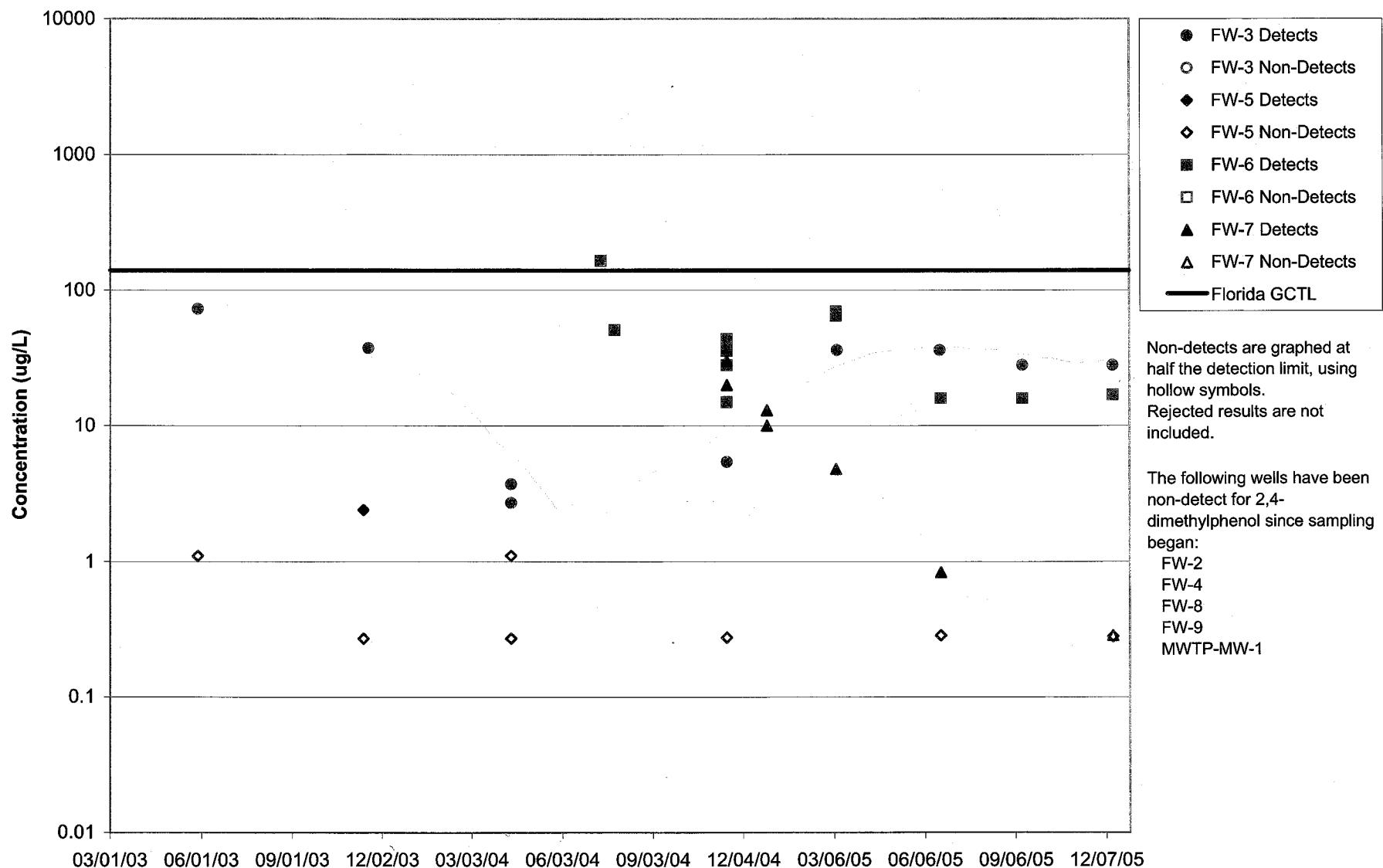
Trends in Naphthalene Detections in the Floridan Aquifer
May 2003 through December 2005
Cabot Carbon / Koppers Superfund Site, Gainesville, FL



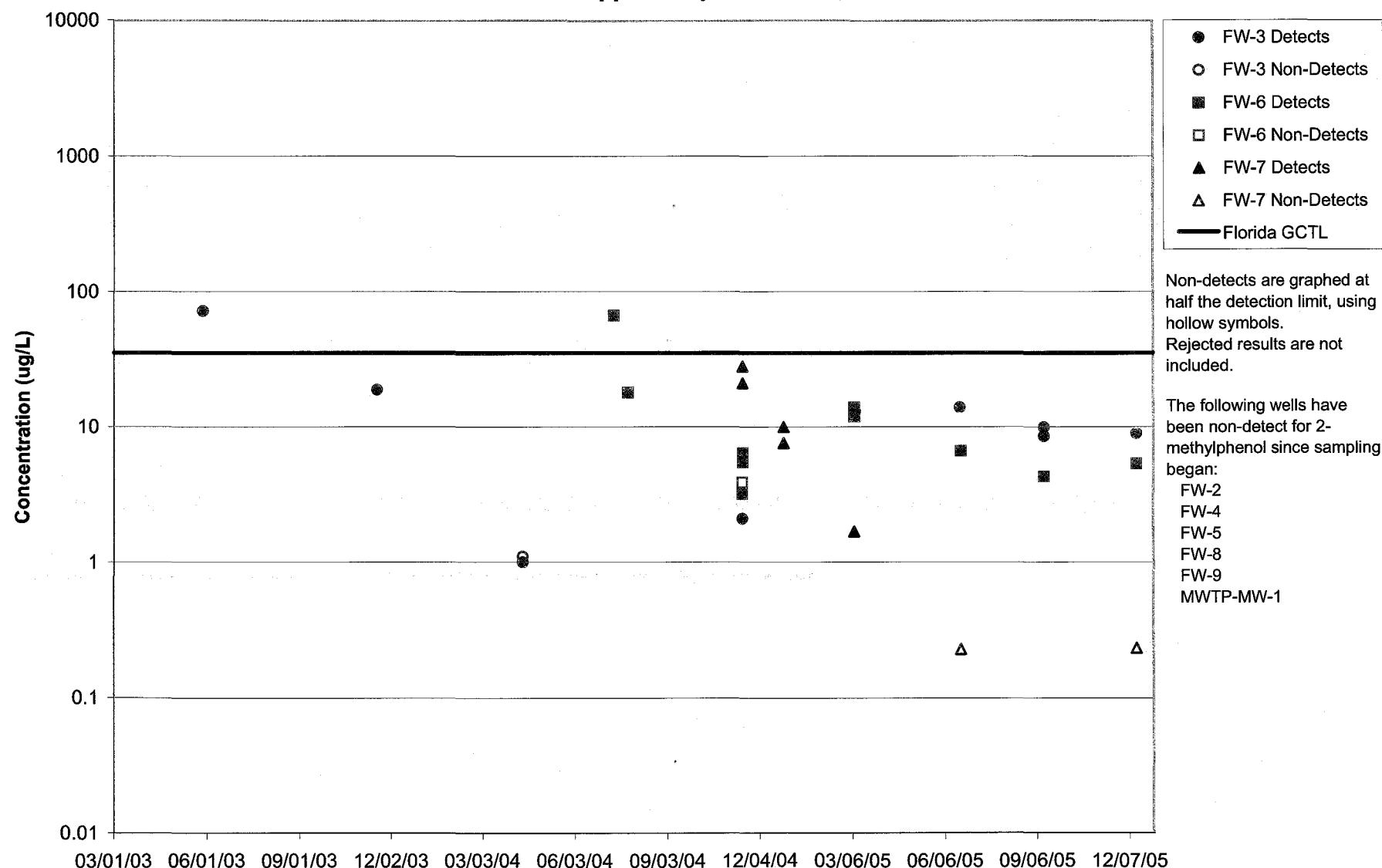
Trends in Benzene Detections in the Floridan Aquifer
May 2003 through December 2005
Cabot Carbon / Koppers Superfund Site, Gainesville, FL



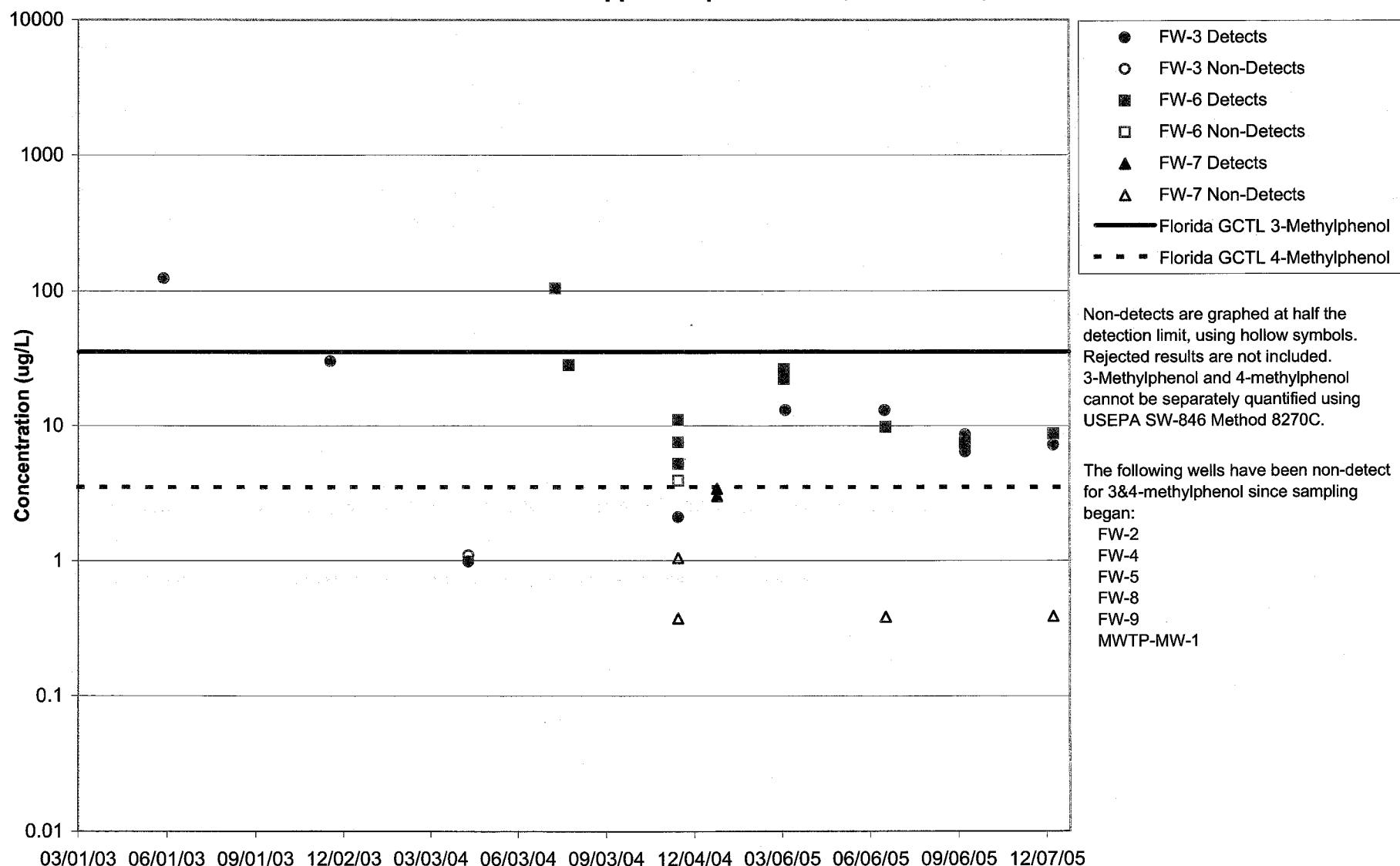
Trends in 2,4-Dimethylphenol Detections in the Floridan Aquifer
May 2003 through December 2005
Cabot Carbon / Koppers Superfund Site, Gainesville, FL



Trends in 2-Methylphenol Detections in the Floridan Aquifer
May 2003 through December 2005
Cabot Carbon / Koppers Superfund Site, Gainesville, FL



Trends in 3&4-Methylphenol Detections in the Floridan Aquifer
May 2003 through December 2005
Cabot Carbon / Koppers Superfund Site, Gainesville, FL



Trends in Dissolved Arsenic Detections in the Floridan Aquifer
May 2003 through December 2005
Cabot Carbon / Koppers Superfund Site, Gainesville, Florida

