

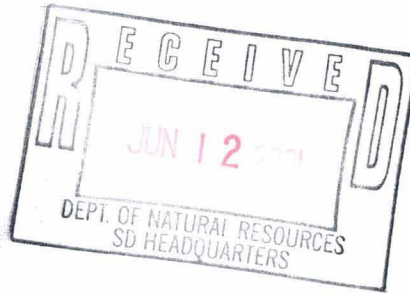
Stoughton City Landfill  
02-13-000880

## Environmental Engineering and Science



June 11, 2001

Mr. Michael Schmoller  
WDNR South Central Region Office  
3911 Fish Hatchery Road  
Fitchburg, WI 53711



**SUBJECT:   Semi-Annual Groundwater Monitoring Report  
          April 2001 Monitoring Event  
          Bid Item #4  
          Stoughton City Landfill  
          FID # 113005950 - License #133  
          WDNR Project # J-036-02  
          BT² Project #1764**

Dear Mr. Schmoller:

This letter provides the Semi-Annual Groundwater Monitoring Report for the April 2001 monitoring event for the Stoughton City Landfill site. We conducted the groundwater monitoring well sampling at the site on April 4 and 5, 2001. A diskette with the electronic data file is being submitted to Kathy Thompson in the WDNR Central Office, along with the Groundwater Monitoring Data Certification Form.

Our original Project Schedule, from the *Draft Quality Assurance Project Plan* submitted to the WDNR on September 15, 2000 (Table 4), had the second semi-annual groundwater monitoring event scheduled for January 2001. Due to the ice blockages found in a majority of the monitoring wells, the sampling was re-scheduled for after the spring thaw per your approval. During the March 28, 2001 Monthly Gas Monitoring Probe inspection, well nests MW7, 8, 10, 13, 14, and 15 were checked and found to be free of any ice blockages.

### Scope and Methods

The objectives of the groundwater monitoring are:

- Monitor the movement of the Tetrahydrofuran (THF) and Dichlorodifluoromethane (DCDFM) plumes semi-annually to evaluate the effects of natural attenuation and the landfill cap on the plumes.
- Reevaluate the site groundwater quality five years after placement of the landfill cap and compare the results against the initial baseline groundwater monitoring analytical results. Repeat this evaluation every five years until the THF and DCDFM plumes fall below the PALs.
- Monitor the site groundwater for total metals once in the first year. Based on the results, additional monitoring or other corrective actions may be necessary.

Change Order #1 dated August 29, 2000 added two tasks to the site sampling plan:

- Collection of one baseline round of NR 140 List Metals from the monitoring wells listed in the QAPP (Section 4.1.2).
- Monitoring well purge water containerization and disposal.

Because the change order was not signed until after the first semi-annual groundwater monitoring event occurred, we agreed that the baseline sampling of the metals for the site wells would be performed at the second semi-annual event (April 2001). The purge water generated was collected and stored on site for disposal by Safety-Kleen, Inc. of Madison, Wisconsin.

The field procedures and the groundwater sampling were performed in accordance with the Quality Assurance Project Plan (QAPP) Revision 0 submitted to the WDNR on September 15, 2000. The groundwater samples were analyzed by TestAmerica, Inc. of Watertown, WI for DCDFM and THF and total metals, including antimony, arsenic, barium, beryllium, boron, cadmium, chromium, cobalt, copper, lead, mercury, nickel, selenium, silver, thallium, and vanadium. Additionally, wells that showed detections above the PAL's for VOC compounds other than DCDFM and THF from the August 28, 2000 sampling event were analyzed for the full VOC list by EPA Method 8260B. The laboratory methods are shown on the laboratory reports in **Attachment A**. A copy of the laboratory's Standard Operating Procedures (SOP) is included in the QAPP.

### **Groundwater Analytical Results**

**Table 1** is a summary of analytical results for the groundwater monitoring at the site. Field parameter results are summarized in **Table 2**. The original analytical and quality control report are enclosed as **Attachment A**.

### *Qualifiers*

The analytical reports included qualifier flags for some samples. Methylene chloride was flagged with the "L" qualifier as a common lab solvent and contaminant on the following samples: trip blank (4/4/01), trip blank (4/5/01), MW9B, MW9I, and Field Blank #1. Concentrations ranged from 0.32  $\mu\text{g/L}$  to 1.5  $\mu\text{g/L}$ . The site historical analytical data, summarized on Table 3 of the QAPP, show no detections for methylene chloride above the PAL.

DCDFM was flagged with the "J" qualifier, indicating that the sample result was estimated, for sample MW10I collected on April 4, 2001. The Test America Case Narrative stated that the original analysis result for the sample was lost due to an instrument failure. The sample was re-analyzed. The second analysis was over calibrated. No further analyses could be performed on this sample due to insufficient sample volume remaining and the sample result from the second analysis is reported. Based on the historical results for DCDFM in well MW10I, 280  $\mu\text{g/L}$  on April 16, 1999 and 150  $\mu\text{g/L}$  on August 28, 2000, the result of 163  $\mu\text{g/L}$  collected on April 4, 2001 should be viewed as a reportable concentration.

It should be noted that all the historical site data was analyzed by the U.S. EPA Contract Laboratory Program (CLP) Routine Analytical Services (RAS) using the Low/Medium Concentration Organic Target Compound List (TCL) and Contract Required Quantitation Limits (CRQL) of 10  $\mu\text{g/l}$ . The current analytical laboratory, TestAmerica, Inc., provides detection limits of 0.10  $\mu\text{g/l}$  for benzene, 2-

chlorotoluene, toluene, and 1,2,4 and 1,3,5-trimethylbenzene and detection limits of 0.25 µg/l for the rest of the SW 8260B Volatile Organic Compounds (VOCs).

*Target Compounds at the Shallow Monitoring Wells*

The preventive action limit (PAL) is 10 µg/L for THF and 200 µg/L for DCDFM. The enforcement standard (ES) for THF is 50 µg/L and for DCDFM is 1,000 µg/L. Ten shallow monitoring wells were analyzed for either the full list of VOC's by Method 8260B or for DCDFM and THF only by Method 8260B. Analytical results and historical ranges for the current sampling event are summarized on **Table 3**.

*Target Compounds at the Intermediate and Deep Monitoring Wells*

Seventeen intermediate and deep monitoring wells were analyzed for either the full list of VOC's by Method 8260B or for DCDFM and THF only by Method 8260B. Analytical results and historical ranges for the current sampling event are summarized on **Table 3**.

*Other Volatile Organic Compounds Detected*

The following VOCs, in addition to DCDFM and THF, were detected above the PAL or ES:

Tetrachloroethene	MW10I at 2.5 µg/L, MW14S at 5.1 µg/L, MW14I at 1.3 µg/L (PAL of 0.5 µg/L)
Trichloroethene	MW9S at 0.80 µg/L, MW9I at 0.98 µg/L, MW10I at 1.5 µg/L, MW14S at 4.1 µg/L, MW14I at 3.6 µg/L (PAL of 0.5 µg/L)
Trichlorofluoromethane	MW9I at 4.6 µg/L, MW9B at 4.1 µg/L

Several other VOCs were detected at levels below their respective PAL and ES limits (see **Table 1**).

*Metals at the Shallow Monitoring Wells*

Ten shallow monitoring wells were analyzed for the following list of metals: Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Chromium, Cobalt, Copper, Lead, Mercury, Nickel, Selenium, Silver, Thallium, and Vanadium. The following metals were detected at concentrations above the PAL or ES (ES exceedances are in bold):

Antimony	MW3S at 3.1 µg/l , MW7S at 2.7 µg/l (PAL of 1.2 µg/l)
Arsenic	MW7S at 2.3 µg/l , MW10S at 35 µg/l , MW13S at 5.2 µg/l (PAL of 5 µg/l )

Cadmium	MW3S at 1.1 $\mu\text{g/l}$ , MW4S at 1.5 $\mu\text{g/l}$ , MW7S at <b>7.7 <math>\mu\text{g/l}</math></b> , MW8S at <b>5.7 <math>\mu\text{g/l}</math></b> , MW10S at 0.67 $\mu\text{g/l}$ , MW15S at <b>5 <math>\mu\text{g/l}</math></b> (ES of 5 $\mu\text{g/l}$ and PAL of 0.5 $\mu\text{g/l}$ )
Chromium	MW3S at 34 $\mu\text{g/l}$ , MW4S at 14 $\mu\text{g/l}$ , MW5S at 52 $\mu\text{g/l}$ , MW7S at 50 $\mu\text{g/l}$ , MW9S at 10 $\mu\text{g/l}$ , MW10S at 36 $\mu\text{g/l}$ , MW13S at 52 $\mu\text{g/l}$ , MW14S at 71 $\mu\text{g/l}$ (ES of 100 $\mu\text{g/l}$ and PAL of 10 $\mu\text{g/l}$ )
Cobalt	MW3S at 17 $\mu\text{g/l}$ , MW4S at 12 $\mu\text{g/l}$ , MW5S at <b>54 <math>\mu\text{g/l}</math></b> , MW7S at 12 $\mu\text{g/l}$ , MW10S at 12 $\mu\text{g/l}$ , MW13S at <b>47 <math>\mu\text{g/l}</math></b> , MW14S at 9.6 $\mu\text{g/l}$ (ES of 40 $\mu\text{g/l}$ and PAL of 8 $\mu\text{g/l}$ )
Lead	MW3S at 2.2 $\mu\text{g/l}$ , MW4S at 2.5 $\mu\text{g/l}$ , MW5S at 2.2 $\mu\text{g/l}$ , MW7S at 2.5 $\mu\text{g/l}$ , MW8S at 2 $\mu\text{g/l}$ , MW10S at 2.4 $\mu\text{g/l}$ , MW13S at 3 $\mu\text{g/l}$ , MW14S at 1.7 $\mu\text{g/l}$ , MW15S at 1.8 $\mu\text{g/l}$ ( ES of 5 $\mu\text{g/l}$ and PAL of 1.5 $\mu\text{g/l}$ )
Nickel	MW3S at 26 $\mu\text{g/l}$ , MW4S at 20 $\mu\text{g/l}$ , MW5S at <b>130 <math>\mu\text{g/l}</math></b> , MW7S at 71 $\mu\text{g/l}$ , MW10S at 25 $\mu\text{g/l}$ , MW13S at 39 $\mu\text{g/l}$ , MW14S at 65 $\mu\text{g/l}$ (ES of 100 $\mu\text{g/l}$ and PAL of 20 $\mu\text{g/l}$ )
Vanadium	MW3S at <b>46 <math>\mu\text{g/l}</math></b> , MW4S at 16 $\mu\text{g/l}$ , MW5S at <b>71 <math>\mu\text{g/l}</math></b> , MW7S at <b>33 <math>\mu\text{g/l}</math></b> , MW10S at <b>45 <math>\mu\text{g/l}</math></b> , MW13S at <b>58 <math>\mu\text{g/l}</math></b> , MW14S at 8.2 $\mu\text{g/l}$ (ES of 30 $\mu\text{g/l}$ and PAL of 6 $\mu\text{g/l}$ )

*Metals at the Intermediate and Deep Monitoring Wells*

Seventeen intermediate and deep monitoring wells were analyzed for the metals listed above. The following metals were detected at concentrations above the PAL or ES (ES exceedances are in bold):

Antimony	MW3D at 2.6 $\mu\text{g/l}$
Arsenic	MW4D at 7.7 $\mu\text{g/l}$ , MW13D at 8.2 $\mu\text{g/l}$
Chromium	MW8I at 12 $\mu\text{g/l}$ , MW8B at 16 $\mu\text{g/l}$ , MW10D at 35 $\mu\text{g/l}$
Cobalt	MW9I at 8.9 $\mu\text{g/l}$
Nickel	MW8I at 29 $\mu\text{g/l}$ , MW8B at <b>900 <math>\mu\text{g/l}</math></b> , MW15I at 44 $\mu\text{g/l}$
Thallium	MW10I at 1.5 $\mu\text{g/l}$ (PAL of 0.4 $\mu\text{g/l}$ )

Several other metals were detected at levels below their respective PAL and ES limits (see **Table 1**). In general, more of the shallow monitoring wells were impacted with metals exceedances than the intermediate and deep monitoring wells. Shallow wells MW9S, MW10S, MW14S, intermediate and deep monitoring wells MW3D, MW8I, MW8B, and MW10I had the most metals, DCDFM, THF and various other VOC detections.



### Sampling Plan Deviations

During the previous semiannual groundwater monitoring event, we found the stainless steel riser pipe for well MW7B to be kinked approximately 1 foot below grade and in need of repair. Repairs were attempted on February 14, 2001 but were unsuccessful due to the well being double-cased. This well will be skipped in the sampling plan until it is repaired.

### Recommendations

Due to continued PAL exceedances for DCDFM, THF, and several other VOC's, no further changes to the VOC monitoring program are recommended. Due to the detection of metals above the PAL concentrations in several wells, we recommend another round of metals sampling. After the second round has been completed, a longer term metals monitoring program can be developed as needed.

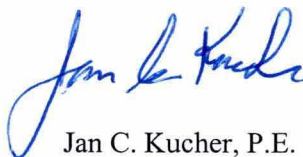
We propose to resample the wells that had at least one PAL exceedance for metals. Each sample would be analyzed for all of the metals that had a PAL exceedance in at least one well. This approach would provide a second relatively broad-based metals screening. These results could then be used to develop a more tailored long-term plan. Specifically, we would sample for total antimony, arsenic, cadmium, chromium, cobalt, lead, nickel, thallium, and vanadium at wells MW3S, MW4S, MW5S, MW7S, MW8S, MW8I, MW8B, MW9S, MW9I, MW10S, MW10I, MW10D, MW13S, MW14S, MW15S, and MW15I.

The cost to perform the addition of the select total metals will be estimated by BT<sup>2</sup> for approval by the WDNR. The next Semi-Annual Groundwater Monitoring Event is scheduled for November 2001 with the report to be submitted in December 2001. A CD-ROM is also enclosed containing a copy of this report as a PDF file. If you have any questions about the results or any other aspect of the project, please call us at (608) 224-2830.

Sincerely,  
BT<sup>2</sup>, Inc.



Sherren Clark, P.E., P.G.  
Quality Assurance/ Senior Review



Jan C. Kucher, P.E.  
Project Manager



Steven B. Smith  
Senior Technical Specialist

Enclosed: CD-ROM  
Table 1 Summary of Analytical Reports  
Table 2 Summary of Field Parameters  
Attachment A Laboratory Analytical Report  
Attachment B Groundwater Monitoring Data Certification Form (with exceedances report)

cc: Kathy Thompson, WDNR (letter and data certification form only), with data disk

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Table 1  
Summary of Analytical Results  
Stoughton City Landfill  
BT<sup>2</sup> Project #1764  
April 2001

Analyte	Enforcement Standard (µg/l)	Preventive Action Limit (µg/l)	MW3S 04/04/01	MW3D 04/04/01	MW3B 04/04/01	MW4S 04/04/01	MW4D 04/04/01	MW5S 04/04/01	MW5D 04/04/01	MW5D Dup 04/04/01	MW7S 04/05/01	MW7I 04/05/01	MW8S 04/04/01	MW8I 04/04/01	MW8B 04/04/01	MW8I Dup 04/04/01	MW9S 04/04/01	MW9I 04/04/01	MW9B 04/04/01	MS10S 04/04/01
Antimony	6	1.2	3.1	2.6	<1.9	<1.9	<1.9	<1.9	<1.9	--	2.7	<1.9	<1.9	<1.9	<1.9	--	<1.9	<1.9	<1.9	<1.9
Arsenic	50	5	<1.8	<1.8	<1.8	<1.8	7.7	<1.8	<1.8	--	2.3	<1.8	<1.8	<1.8	<1.8	--	<1.8	<1.8	<1.8	35
Barium	2,000	400	150	17	30	95	43	230	7.7	--	130	25	21	48	28	--	34	42	25	170
Beryllium	-	-	0.26	<0.017	<0.017	0.1	<0.017	0.24	<0.017	--	0.23	<0.017	<0.017	<0.017	<0.017	--	<0.017	<0.017	<0.017	0.057
Boron	0.96 mg/L	0.19 mg/L	0.042	0.017	<0.017	0.02	0.035	0.035	0.1	--	0.021	<0.017	<0.017	0.02	0.017	--	0.12	0.064	<0.017	0.056
Cadmium	5	0.5	1.1	<0.042	<0.042	1.5	0.072	0.44	<0.042	--	7.7	0.058	5.7	<0.042	<0.042	--	0.35	<0.042	<0.042	0.67
Chromium	100	10	34	<3.4	<3.4	14	<3.4	52	<3.4	--	50	<3.4	3.7	12	16	--	10	<3.4	4.4	36
Cobalt	40	8	17	<3.6	<3.6	12	<3.6	54	<3.6	--	12	<3.6	<3.6	<3.6	<3.6	--	5.6	8.9	<3.6	12
Copper	1,300	130	44	<13	<13	23	<13	100	<13	--	52	<13	<13	25	<13	--	<13	<13	<13	47
Lead	15	1.5	2.2	<1.2	<1.2	2.5	<1.2	2.2	<1.2	--	2.5	<1.2	2	<1.2	<1.2	--	<1.2	<1.2	<1.2	2.4
Mercury	2	0.2	<0.056	<0.056	<0.056	<0.056	<0.056	<0.056	<0.056	--	<0.056	<0.056	<0.056	<0.056	<0.056	--	0.062	<0.056	<0.056	<0.056
Nickel	100	20	26	<3.6	<3.6	20	<3.6	130	<3.6	--	71	<3.6	4.3	29	900	--	14	3.6	<3.6	25
Selenium	50	10	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	--	<1.5	<1.5	<1.5	<1.5	<1.5	--	<1.5	<1.5	<1.5	<1.5
Silver	50	10	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	--	<1.3	<1.3	<1.3	<1.3	<1.3	--	<1.3	<1.3	<1.3	<1.3
Thallium	2	0.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	--	<1.4	<1.4	<1.4	<1.4	<1.4	--	<1.4	<1.4	<1.4	<1.4
Vanadium	30	6	46	<2.5	<2.5	16	<2.5	71	<2.5	--	33	<2.5	<2.5	<2.5	<2.5	--	3.5	2.5	<2.5	45
Benzene	5	0.5	--	<0.31	--	--	<0.31	--	<0.31	<0.31	--	--	--	--	--	--	<1.0	<0.50	<0.10	<0.31
Bromobenzene	--	--	--	<0.20	--	--	<0.20	--	<0.20	<0.20	--	--	--	--	--	--	<2.5	<1.2	<0.25	<0.20
Bromochloromethane	--	--	--	<0.32	--	--	<0.32	--	<0.32	<0.32	--	--	--	--	--	--	<2.5	<1.2	<0.25	<0.32
Bromodichloromethane	0.6	0.06	--	<0.20	--	--	<0.20	--	<0.20	<0.20	--	--	--	--	--	--	<2.5	<1.2	<0.25	<0.20
Bromoform	4.4	0.44	--	<0.14	--	--	<0.14	--	<0.14	<0.14	--	--	--	--	--	--	<2.5	<1.2	<0.25	<0.14
Bromomethane	10	1	--	<0.46	--	--	<0.46	--	<0.46	<0.46	--	--	--	--	--	--	<2.5	<1.2	<0.25	<0.46
n-Butylbenzene	--	--	--	<0.44	--	--	<0.44	--	<0.44	<0.44	--	--	--	--	--	--	<2.5	<1.2	<0.25	<0.44
sec-Butylbenzene	--	--	--	<0.45	--	--	<0.45	--	<0.45	<0.45	--	--	--	--	--	--	<2.5	<1.2	<0.25	<0.45
tert-Butylbenzene	--	--	--	<0.38	--	--	<0.38	--	<0.38	<0.38	--	--	--	--	--	--	<2.5	<1.2	<0.25	<0.38
Carbon Tetrachloride	5	0.5	--	<0.40	--	--	<0.40	--	<0.40	<0.40	--	--	--	--	--	--	<2.5	<1.2	<0.25	<0.40
Chlorobenzene	--	--	--	<0.22	--	--	<0.22	--	<0.22	<0.22	--	--	--	--	--	--	<2.5	<1.2	<0.25	<0.22
Chlorodibromomethane	--	--	--	<0.10	--	--	<0.10	--	<0.10	<0.10	--	--	--	--	--	--	<2.5	<1.2	<0.25	<0.10
Chloroethane	400	80	--	<1.2	--	--	<1.2	--	<1.2	<1.2	--	--	--	--	--	--	<2.5	<1.2	<0.25	<1.2
Chloroform	6	0.6	--	<0.18	--	--	<0.18	--	<0.18	<0.18	--	--	--	--	--	--	<2.5	<1.2	<0.25	<0.18
Chloromethane	3	0.3	--	<0.38	--	--	<0.38	--	<0.38	<0.38	--	--	--	--	--	--	<2.5	<1.2	<0.25	<0.38
2-Chlorotoluene	--	--	--	<0.28	--	--	<0.28	--	<0.28	<0.28	--	--	--	--	--	--	<1.0	<0.50	<0.10	<0.28
4-Chlorotoluene	--	--	--	<0.47	--	--	<0.47	--	<0.47	<0.47	--	--	--	--	--	--	<2.5	<1.2	<0.25	<0.47
1,2-Dibromo-3-Chloropropane	--	--	--	<1.4	--	--	<1.4	--	<1.4	<1.4	--	--	--	--	--	--	<2.5	<1.2	<0.25	<1.4
1,2-Dibromoethane (EDB)	0.05	0.005	--	<0.16	--	--	<0.16	--	<0.16	<0.16	--	--	--	--	--	--	<2.5	<1.2	<0.25	<0.16
Dibromomethane	--	--	--	<0.11	--	--	<0.11	--	<0.11	<0.11	--	--	--	--	--	--	<2.5	<1.2	<0.25	<0.11
1,2-Dichlorobenzene	600	60	--	<0.20	--	--	<0.20	--	<0.20	<0.20	--	--	--	--	--	--	<2.5	<1.2	<0.25	<0.20
1,3-Dichlorobenzene	1,250	125	--	<0.22	--	--	<0.22	--	<0.22	<0.22	--	--	--	--	--	--	<2.5	<1.2	<0.25	<0.22
1,4-Dichlorobenzene	75	15	--	<0.35	--	--	<0.35	--	<0.35	<0.35	--	--	--	--	--	--	<2.5	<1.2	<0.25	<0.35
Dichlorodifluoromethane	1,000	200	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	3.3	3.2	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	160	120	6.1	5.3
1,1-Dichloroethane	850	85	--	<0.25	--	--	<0.25	--	<0.25	<0.25	--	--	--	--	--	--	<2.5	<1.2	<0.25	<0.25

Table 1  
Summary of Analytical Results  
Stoughton City Landfill  
BT<sup>2</sup> Project #1764  
April 2001

Analyte	Enforcement Standard (µg/l)	Preventive Action Limit (µg/l)	MW3S 04/04/01	MW3D 04/04/01	MW3B 04/04/01	MW4S 04/04/01	MW4D 04/04/01	MW5S 04/04/01	MW5D 04/04/01	MW5D Dup 04/04/01	MW7S 04/05/01	MW7I 04/05/01	MW8S 04/04/01	MW8I 04/04/01	MW8B 04/04/01	MW8I Dup 04/04/01	MW9S 04/04/01	MW9I 04/04/01	MW9B 04/04/01	MS10S 04/04/01
1,2-Dichloroethane	5	0.5	--	<0.20	--	--	<0.20	--	<0.20	<0.20	--	--	--	--	--	--	<2.5	<1.2	<0.25	<0.20
1,1-Dichloroethene	7	0.7	--	<0.73	--	--	<0.73	--	<0.73	<0.73	--	--	--	--	--	--	<2.5	<1.2	<0.25	<0.73
cis-1,2-Dichloroethene	70	7	--	<0.23	--	--	<0.23	--	0.39	0.41	--	--	--	--	--	--	<2.5	<1.2	<0.25	<0.23
trans-1,2-Dichloroethene	100	20	--	<0.39	--	--	<0.39	--	<0.39	<0.39	--	--	--	--	--	--	<2.5	<1.2	<0.25	<0.39
1,2-Dichloropropane	5	0.5	--	<0.29	--	--	<0.29	--	<0.29	<0.29	--	--	--	--	--	--	<2.5	<1.2	<0.25	<0.29
1,3-Dichloropropane	0.2	0.02	--	<0.15	--	--	<0.15	--	<0.15	<0.15	--	--	--	--	--	--	<2.5	<1.2	<0.25	<0.15
2,2-Dichloropropane	--	--	--	<0.37	--	--	<0.37	--	<0.37	<0.37	--	--	--	--	--	--	<2.5	<1.2	<0.25	<0.37
1,1-Dichloropropene	--	--	--	<0.63	--	--	<0.63	--	<0.63	<0.63	--	--	--	--	--	--	<2.5	<1.2	<0.25	<0.63
cis-1,3-Dichloropropene	--	--	--	<0.17	--	--	<0.17	--	<0.17	<0.17	--	--	--	--	--	--	<2.5	<1.2	<0.25	<0.17
trans-1,3-Dichloropropene	--	--	--	<0.13	--	--	<0.13	--	<0.13	<0.13	--	--	--	--	--	--	<2.5	<1.2	<0.25	<0.13
Di-isopropyl ether	--	--	--	<0.13	--	--	<0.13	--	<0.13	<0.13	--	--	--	--	--	--	<2.5	<1.2	<0.25	<0.13
Ethylbenzene	700	140	--	<0.38	--	--	<0.38	--	<0.38	<0.38	--	--	--	--	--	--	<2.5	<1.2	<0.25	<0.38
Hexachlorobutadiene	--	--	--	<0.37	--	--	<0.37	--	<0.37	<0.37	--	--	--	--	--	--	<2.5	<1.2	<0.25	<0.37
Isopropylbenzene	--	--	--	<0.36	--	--	<0.36	--	<0.36	<0.36	--	--	--	--	--	--	<2.5	<1.2	<0.25	<0.36
p-Isopropyltoluene	--	--	--	<0.35	--	--	<0.35	--	<0.35	<0.35	--	--	--	--	--	--	<2.5	<1.2	<0.25	<0.35
Methylene Chloride	5	0.5	--	<0.87	--	--	<0.87	--	<0.87	<0.87	--	--	--	--	--	--	<2.5	1.4	0.32	<0.87
Methyl-tert-butyl ether	60	12	--	<0.14	--	--	<0.14	--	<0.14	<0.14	--	--	--	--	--	--	<2.5	<1.2	<0.25	<0.14
Naphthalene	40	8	--	<0.35	--	--	<0.35	--	<0.35	<0.35	--	--	--	--	--	--	<2.5	<1.2	<0.25	<0.35
n-Propylbenzene	--	--	--	<0.46	--	--	<0.46	--	<0.46	<0.46	--	--	--	--	--	--	<2.5	<1.2	<0.25	<0.46
Styrene	100	10	--	<0.16	--	--	<0.16	--	<0.16	<0.16	--	--	--	--	--	--	<2.5	<1.2	<0.25	<0.16
1,1,1,2-Tetrachloroethane	70	7	--	<0.11	--	--	<0.11	--	<0.11	<0.11	--	--	--	--	--	--	<2.5	<1.2	<0.25	<0.11
1,1,2,2-Tetrachloroethane	0.2	0.02	--	<0.39	--	--	<0.39	--	<0.39	<0.39	--	--	--	--	--	--	<2.5	<1.2	<0.25	<0.39
Tetrachloroethene	5	0.5	--	<0.63	--	--	<0.63	--	<0.63	<0.63	--	--	--	--	--	--	<2.5	<1.2	<0.25	<0.63
Tetrahydrofuran	50	10	<1.9	53	<1.9	<1.9	<1.9	<1.9	2.6	2.2	<0.25	<0.25	<0.25	7.4	<0.25	7.6	<2.5	<1.2	<0.25	<1.9
Toluene	1,000	200	--	<0.39	--	--	<0.39	--	<0.39	<0.39	--	--	--	--	--	--	<1.0	<0.50	<0.10	<0.39
1,2,3-Trichlorobenzene	--	--	--	<0.32	--	--	<0.32	--	<0.32	<0.32	--	--	--	--	--	--	<2.5	<1.2	<0.25	<0.32
1,2,4-Trichlorobenzene	70	14	--	<0.18	--	--	<0.18	--	<0.18	<0.18	--	--	--	--	--	--	<2.5	<1.2	<0.25	<0.18
1,1,1-Trichloroethane	200	40	--	<0.28	--	--	<0.28	--	<0.28	<0.28	--	--	--	--	--	--	<2.5	<1.2	<0.25	<0.28
1,1,2-Trichloroethane	5	0.5	--	<0.15	--	--	<0.15	--	<0.15	<0.15	--	--	--	--	--	--	<2.5	<1.2	<0.25	<0.15
Trichloroethene	5	0.5	--	<0.49	--	--	<0.49	--	<0.49	<0.49	--	--	--	--	--	--	<2.5	<1.2	<0.25	<0.49
Trichlorofluoromethane	--	--	--	<0.58	--	--	<0.58	--	<0.58	<0.58	--	--	--	--	--	--	<2.5	4.6	4.1	<0.58
1,2,3-Trichloropropane	60	12	--	<0.28	--	--	<0.28	--	<0.28	<0.28	--	--	--	--	--	--	<2.5	<1.2	<0.25	<0.28
1,2,4-Trimethylbenzene	480	96	--	<0.32	--	--	<0.32	--	<0.32	<0.32	--	--	--	--	--	--	<1.0	<0.50	<0.10	<0.32
1,3,5-Trimethylbenzene			--	<0.33	--	--	<0.33	--	<0.33	<0.33	--	--	--	--	--	--	--	<1.0	<0.50	<0.10
Vinyl Chloride	0.2	0.02	--	<0.46	--	--	<0.46	--	<0.46	<0.46	--	--	--	--	--	--	<2.5	<1.2	<0.25	<0.46
Xylenes, Total	10,000	1,000	--	<1.1	--	--	<1.1	--	<1.1	<1.1	--	--	--	--	--	--	<2.5	<1.2	<0.25	<1.1
Lab Notes	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	(1)	(1)	--

**Table 1**  
**Summary of Analytical Results**  
**Stoughton City Landfill**  
**BT<sup>2</sup> Project #1764**  
**April 2001**

Parameter (µg/l)	Enforcement Standard (µg/l)	Preventive Action Limit (µg/l)	MW10I 04/04/01	MW10D 04/04/01	MW13S 04/04/01	MW13I 04/04/01	MW13D 04/04/01	MW14S 04/04/01	MW14I 04/04/01	MW14D 04/04/01	MW15S 04/05/01	MW15I 04/05/01	MW15D 04/05/01	MW15I-Dup 04/05/01	Field Blank #1 04/04/01	Field Blank #2 04/05/01	Trip Blank 04/04/01	Trip Blank 04/05/01
Antimony	6	1.2	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	--	--	--	--	--
Arsenic	50	5	<1.8	<1.8	5.2	<1.8	8.2	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	--	--	--	--	--
Barium	2,000	400	31	34	150	56	23	60	60	35	52	27	38	--	--	--	--	--
Beryllium	-	-	<0.017	0.087	0.11	<0.017	<0.017	0.065	<0.017	<0.017	0.056	<0.017	<0.017	--	--	--	--	--
Boron	0.96 mg/L	0.19 mg/L	0.11	0.03	0.047	0.018	0.022	0.037	0.07	0.024	<0.017	<0.017	<0.017	--	--	--	--	--
Cadmium	5	0.5	<0.042	<0.042	0.22	<0.042	<0.042	<0.042	<0.042	<0.042	5	0.06	0.051	--	--	--	--	--
Chromium	100	10	<3.4	35	52	<3.4	<3.4	71	<3.4	<3.4	9.4	3.4	3.5	--	--	--	--	--
Cobalt	40	8	<3.6	<3.6	47	<3.6	<3.6	9.6	<3.6	<3.6	<3.6	<3.6	<3.6	--	--	--	--	--
Copper	1,300	130	<13	<13	44	<13	<13	<13	<13	<13	<13	<13	<13	--	--	--	--	--
Lead	15	1.5	<1.2	<1.2	3	<1.2	<1.2	1.7	<1.2	<1.2	1.8	<1.2	<1.2	--	--	--	--	--
Mercury	2	0.2	<0.056	<0.056	<0.056	<0.056	<0.056	<0.056	<0.056	<0.056	<0.056	<0.056	<0.056	--	--	--	--	--
Nickel	100	20	<3.6	<3.6	39	<3.6	<3.6	65	3.9	<3.6	5.6	44	<3.6	--	--	--	--	--
Selenium	50	10	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	--	--	--	--	--
Silver	50	10	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	--	--	--	--	--
Thallium	2	0.4	1.5	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	--	--	--	--	--
Vanadium	30	6	<2.5	<2.5	58	<2.5	<2.5	8.2	<2.5	<2.5	3.2	<2.5	<2.5	--	--	--	--	--
Benzene	5	0.5	<0.31	--	--	--	--	<1.0	<0.50	--	--	--	--	--	<0.10	--	<0.10	<0.10
Bromobenzene	--	--	<0.20	--	--	--	--	<2.5	<1.2	--	--	--	--	--	<0.25	--	<0.25	<0.25
Bromochloromethane	--	--	<0.32	--	--	--	--	<2.5	<1.2	--	--	--	--	--	<0.25	--	<0.25	<0.25
Bromodichloromethane	0.6	0.06	<0.20	--	--	--	--	<2.5	<1.2	--	--	--	--	--	0.6	--	<0.25	<0.25
Bromoform	4.4	0.44	<0.14	--	--	--	--	<2.5	<1.2	--	--	--	--	--	1.5	--	<0.25	<0.25
Bromomethane	10	1	<0.46	--	--	--	--	<2.5	<1.2	--	--	--	--	--	<0.25	--	<0.25	<0.25
n-Butylbenzene	--	--	<0.44	--	--	--	--	<2.5	<1.2	--	--	--	--	--	<0.25	--	<0.25	<0.25
sec-Butylbenzene	--	--	<0.45	--	--	--	--	<2.5	<1.2	--	--	--	--	--	<0.25	--	<0.25	<0.25
tert-Butylbenzene	--	--	<0.38	--	--	--	--	<2.5	<1.2	--	--	--	--	--	<0.25	--	<0.25	<0.25
Carbon Tetrachloride	5	0.5	<0.40	--	--	--	--	<2.5	<1.2	--	--	--	--	--	<0.25	--	<0.25	<0.25
Chlorobenzene	--	--	<0.22	--	--	--	--	<2.5	<1.2	--	--	--	--	--	<0.25	--	<0.25	<0.25
Chlorodibromomethane	--	--	<0.10	--	--	--	--	<2.5	<1.2	--	--	--	--	--	1.2	--	<0.25	<0.25
Chloroethane	400	80	<1.2	--	--	--	--	<2.5	<1.2	--	--	--	--	--	<0.25	--	<0.25	<0.25
Chloroform	6	0.6	<0.18	--	--	--	--	<2.5	<1.2	--	--	--	--	--	0.64	--	<0.25	<0.25
Chloromethane	3	0.3	<0.38	--	--	--	--	<2.5	<1.2	--	--	--	--	--	<0.25	--	<0.25	<0.25
2-Chlorotoluene	--	--	<0.28	--	--	--	--	<1.0	<0.50	--	--	--	--	--	<0.10	--	<0.10	<0.10
4-Chlorotoluene	--	--	<0.47	--	--	--	--	<2.5	<1.2	--	--	--	--	--	<0.25	--	<0.25	<0.25
1,2-Dibromo-3-Chloropropane	--	--	<1.4	--	--	--	--	<2.5	<1.2	--	--	--	--	--	<0.25	--	<0.25	<0.25
1,2-Dibromoethane (EDB)	0.05	0.005	<0.16	--	--	--	--	<2.5	<1.2	--	--	--	--	--	<0.25	--	<0.25	<0.25
Dibromomethane	--	--	<0.11	--	--	--	--	<2.5	<1.2	--	--	--	--	--	<0.25	--	<0.25	<0.25
1,2-Dichlorobenzene	600	60	<0.20	--	--	--	--	<2.5	<1.2	--	--	--	--	--	<0.25	--	<0.25	<0.25
1,3-Dichlorobenzene	1,250	125	<0.22	--	--	--	--	<2.5	<1.2	--	--	--	--	--	<0.25	--	<0.25	<0.25
1,4-Dichlorobenzene	75	15	<0.35	--	--	--	--	<2.5	<1.2	--	--	--	--	--	<0.25	--	<0.25	<0.25
Dichlorodifluoromethane	1,000	200	163	<0.49	<0.25	2	<0.25	180	120	1.5	<0.25	<0.25	<0.49	<0.25	<0.25	<0.49	<0.25	<0.25
1,1-Dichloroethane	850	85	0.64	--	--	--	--	<2.5	<1.2	--	--	--	--	--	<0.25	--	<0.25	<0.25

Table 1  
 Summary of Analytical Results  
 Stoughton City Landfill  
 BT<sup>2</sup> Project #1764  
 April 2001

Parameter (µg/l)	Enforcement Standard (µg/l)	Preventive Action Limit (µg/l)	MW101 04/04/01	MW10D 04/04/01	MW13S 04/04/01	MW13I 04/04/01	MW13D 04/04/01	MW14S 04/04/01	MW14I 04/04/01	MW14D 04/04/01	MW15S 04/05/01	MW15I 04/05/01	MW15D 04/05/01	MW15I Dup 04/05/01	Field Blank #1 04/04/01	Field Blank #2 04/05/01	Trip Blank 04/04/01	Trip Blank 04/05/01
1,2-Dichloroethane	5	0.5	<0.20	--	--	--	--	<2.5	<1.2	--	--	--	--	--	<0.25	--	<0.25	<0.25
1,1-Dichloroethene	7	0.7	<0.73	--	--	--	--	<2.5	<1.2	--	--	--	--	--	<0.25	--	<0.25	<0.25
cis-1,2-Dichloroethene	70	7	2.1	--	--	--	--	<2.5	<1.2	--	--	--	--	--	<0.25	--	<0.25	<0.25
trans-1,2-Dichloroethene	100	20	<0.39	--	--	--	--	<2.5	<1.2	--	--	--	--	--	<0.25	--	<0.25	<0.25
1,2-Dichloropropane	5	0.5	0.32	--	--	--	--	<2.5	<1.2	--	--	--	--	--	<0.25	--	<0.25	<0.25
1,3-Dichloropropane	0.2	0.02	<0.15	--	--	--	--	<2.5	<1.2	--	--	--	--	--	<0.25	--	<0.25	<0.25
2,2-Dichloropropane	--	--	<0.37	--	--	--	--	<2.5	<1.2	--	--	--	--	--	<0.25	--	<0.25	<0.25
1,1-Dichloropropene	--	--	<0.63	--	--	--	--	<2.5	<1.2	--	--	--	--	--	<0.25	--	<0.25	<0.25
cis-1,3-Dichloropropene	--	--	<0.17	--	--	--	--	<2.5	<1.2	--	--	--	--	--	<0.25	--	<0.25	<0.25
trans-1,3-Dichloropropene	--	--	<0.13	--	--	--	--	<2.5	<1.2	--	--	--	--	--	<0.25	--	<0.25	<0.25
Di-isopropyl ether	--	--	<0.13	--	--	--	--	<2.5	<1.2	--	--	--	--	--	<0.25	--	<0.25	<0.25
Ethylbenzene	700	140	<0.38	--	--	--	--	<2.5	<1.2	--	--	--	--	--	<0.25	--	<0.25	<0.25
Hexachlorobutadiene	--	--	<0.37	--	--	--	--	<2.5	<1.2	--	--	--	--	--	<0.25	--	<0.25	<0.25
Isopropylbenzene	--	--	<0.36	--	--	--	--	<2.5	<1.2	--	--	--	--	--	<0.25	--	<0.25	<0.25
p-Isopropyltoluene	--	--	<0.35	--	--	--	--	<2.5	<1.2	--	--	--	--	--	<0.25	--	<0.25	<0.25
Methylene Chloride	5	0.5	<0.87	--	--	--	--	<2.5	<1.2	--	--	--	--	--	0.3	--	1.5	0.97
Methyl-tert-butyl ether	60	12	<0.14	--	--	--	--	<2.5	<1.2	--	--	--	--	--	<0.25	--	<0.25	<0.25
Naphthalene	40	8	<0.35	--	--	--	--	<2.5	<1.2	--	--	--	--	--	<0.25	--	<0.25	<0.25
n-Propylbenzene	--	--	<0.46	--	--	--	--	<2.5	<1.2	--	--	--	--	--	<0.25	--	<0.25	<0.25
Styrene	100	10	<0.16	--	--	--	--	<2.5	<1.2	--	--	--	--	--	<0.25	--	<0.25	<0.25
1,1,1,2-Tetrachloroethane	70	7	<0.11	--	--	--	--	<2.5	<1.2	--	--	--	--	--	<0.25	--	<0.25	<0.25
1,1,2,2-Tetrachloroethane	0.2	0.02	<0.39	--	--	--	--	<2.5	<1.2	--	--	--	--	--	<0.25	--	<0.25	<0.25
Tetrachloroethene	5	0.5	<b>2.5</b>	--	--	--	--	<b>5.1</b>	<1.2	--	--	--	--	--	<b>0.74</b>	--	<0.25	<0.25
Tetrahydrofuran	50	10	5.1	<1.9	<0.25	<b>22</b>	<0.25	<2.5	<1.2	<0.25	<0.25	<0.25	<1.9	<0.25	<1.9	<0.25	<0.25	
Toluene	1,000	200	<0.39	--	--	--	--	<1.0	<0.50	--	--	--	--	--	<0.10	--	<0.10	<0.10
1,2,3-Trichlorobenzene	--	--	<0.32	--	--	--	--	<2.5	<1.2	--	--	--	--	--	<0.25	--	<0.25	<0.25
1,2,4-Trichlorobenzene	70	14	<0.18	--	--	--	--	<2.5	<1.2	--	--	--	--	--	<0.25	--	<0.25	<0.25
1,1,1-Trichloroethane	200	40	<0.28	--	--	--	--	<2.5	<1.2	--	--	--	--	--	<0.25	--	<0.25	<0.25
1,1,2-Trichloroethane	5	0.5	<0.15	--	--	--	--	<2.5	<1.2	--	--	--	--	--	<0.25	--	<0.25	<0.25
Trichloroethene	5	0.5	<b>1.5</b>	--	--	--	--	<b>4.1</b>	<b>3.6</b>	--	--	--	--	--	<0.25	--	<0.25	<0.25
Trichlorofluoromethane	--	--	1.4	--	--	--	--	<2.5	<1.2	--	--	--	--	--	<0.25	--	<0.25	<0.25
1,2,3-Trichloropropane	60	12	<0.28	--	--	--	--	<2.5	<1.2	--	--	--	--	--	<0.25	--	<0.25	<0.25
1,2,4-Trimethylbenzene	480	96	<0.32	--	--	--	--	<1.0	<0.50	--	--	--	--	--	<0.10	--	<0.10	<0.10
1,3,5-Trimethylbenzene			<0.33	--	--	--	--	<1.0	<0.50	--	--	--	--	--	<0.10	--	<0.10	<0.10
Vinyl Chloride	0.2	0.02	<b>1</b>	--	--	--	--	<2.5	<1.2	--	--	--	--	--	<0.25	--	<0.25	<0.25
Xylenes, Total	10,000	1,000	<1.1	--	--	--	--	<2.5	<1.2	--	--	--	--	--	<0.25	--	<0.25	<0.25
Lab Notes	--	--	(2)	--	--	--	--	--	--	--	--	--	--	--	(1)	--	(1)	(1)

LABORATORY NOTES:

- (1) Methylene chloride - Common lab solvent and contaminant.
- (2) Dichlorodifluoromethane has an estimated concentration.
- (3) Bold faced values indicate Preventive Action Limit exceedences.



**Table 2**  
**Summary of Field Parameters**  
**Semi-Annual Groundwater Report**  
**Stoughton City Landfill**  
**BT<sup>2</sup> Project #1764**  
**April 2001**

Monitoring Well Number	Sampling Date	Depth to Water (ft.)	Total Depth (ft.)	Total Volume Purged (gal.)	Temperature (°C)	Dissolved Oxygen (ppm)	pH (standard units)	Specific Conductivity (µs/cm)	Turbidity	
MW3S	04/04/01	10.26	19.35	4.4	13.1	3.0	7.41	401	Moderate	
MW3D	04/04/01	10.13	73.0	30.2	13.4	2.5	7.39	367	None	
MW3B	04/04/01	10.92	95.2	40.4	13.6	5.0	6.70	822	None	
MW4S	04/04/01	7.55	15.2	3.7	12.9	8.0	7.11	263	Slight	
MW4D	04/04/01	7.45	74.0	31.9	12.8	5.0	7.31	250	None	
MW5S	04/04/01	7.49	16.6	4.4	12.5	3.0	6.99	660	Moderate	
MW5D	04/04/01	7.36	77.0	33.4	12.4	1.0	7.35	789	None	
MW7S	04/05/01	4.42	15.1	5.1	12.9	2.0	7.29	625	Slight	
MW7I	04/05/01	0.60	59.95	28.5	12.7	1.0	7.30	207	None	
MW7B	04/05/01	0	Could not sample; SS casing was bent (~1.0 below grade)							
MW8S	04/04/01	1.46	33.0	15.1	11.1	4.0	6.72	626	None	
MW8I	04/04/01	1.40	62.45	29.3	10.9	7.0	7.03	521	None	
MW8B	04/04/01	2.15	84.3	39.4	11	6.0	7.30	292	None	
MW9S	04/04/01	2.47	30.1	13.3	10	<1	7.07	421	None	
MW9I	04/04/01	2.77	47.3	21.4	10.3	2.0	6.80	977	None	
MW10S	04/04/01	3.18	16.9	6.6	10.9	<1	6.90	278	Slight	
MW10I	04/04/01	0	39.8	Self Purging	10.1	1.0	6.89	427	None	
MW10D	04/04/01	0	86.6	Self Purging	10.5	2.0	6.93	528	None	
MW13S	04/04/01	2.83	16.75	6.7	10.3	4.0	6.96	729	Moderate	
MW13I	04/04/01	0	51.5	Self Purging	10.4	3.0	7.09	690	None	
MW13D	04/04/01	0	95.6	Self Purging	9.8	2.0	6.91	557	None	
MW14S	04/04/01	4.16	26.2	10.6	10.4	<1	7.09	1,035	Slight	
MW14I	04/04/01	2.75	51.2	23.3	10.1	2.0	6.65	900	None	
MW14D	04/04/01	2.51	89.6	41.8	10.1	<1	7.11	1,004	None	
MW15S	04/05/01	4.68	16.6	5.7	13.4	5.0	7.17	383	None	
MW15I	04/05/01	2.63	57.4	26.3	13	6.0	7.25	462	None	
MW15D	04/05/01	2.44	85.95	40.1	13.4	3.0	7.35	351	None	
MW5D DUP	04/04/01	7.36	77.0	33.4	12.4	1.0	7.35	789	None	
MW8I DUP	04/04/01	1.40	62.45	29.3	10.9	7.0	7.03	521	None	
MW15I DUP	04/05/01	2.63	57.4	26.3	13	6.0	7.25	462	None	
Field #1 Blank	04/04/01	--	--	--	--	--	--	--	None	
Field #2 Blank	04/05/01	--	--	--	--	--	--	--	None	

By: SS  
Date: 05/21/01  
Checked: JCK  
Date: 05/24/01



**Table 3**  
**Target Compound Detections**  
**Stoughton City Landfill**  
**BT<sup>2</sup> Project #1764**  
**April 2001**

Shallow Monitoring Wells				
Well	Current Event Concentration (µg/l)		Historical Range (µg/l)	
	DCDFM	THF	DCDFM	THF
MW9S	160	ND	200-400	14-22
MW10S	5.3	ND	ND-20	ND-3.5
MW14S	180	ND	330-710	ND-50

Intermediate and Deep Monitoring Wells				
Well	Current Event Concentration (µg/l)		Historical Range (µg/l)	
	DCDFM	THF	DCDFM	THF
MW3D	ND	53	ND	65-310
MW5D	3.3	2.6	10	3.0
MW8I	ND	7.4	ND	19-20
MW9I	120	ND	190-340	5.3
MW9B	6.1	ND	ND	ND
MW10I	163	5.1	150-280	6.8-21
MW13I	2.0	22	1.7	19-22
MW14I	120	ND	250-590	ND
MW14D	1.5	ND	ND	ND

**NOTES:**

1. DCDFM is dichlorodifluoromethane; THF is tetrahydrofuran.
2. ND = No detections.
3. DCDFM PAL = 200 µg/l, ES = 1,000 µg/l; THF PAL = 10 µg/l, ES = 50 µg/l.
4. Historical range includes 1 round of sampling performed by BT<sup>2</sup> in August 2000 and two rounds performed by Roy F. Weston in April 1998 and April 1999. Data from Roy F. Weston is summarized on Table 3 of the QAPP submitted September 2000.

# Test America

INCORPORATED

Watertown Division  
602 Commerce Drive  
Watertown, WI 53094

Phone: 920-261-1660  
Fax: 920-261-8120

To assist us in using the proper analytical methods,  
is this work being conducted for regulatory purposes?  
Compliance Monitoring

Client Name: BT<sup>2</sup> Inc. Client #: \_\_\_\_\_

Address: 2830 Oakley Dr

City/State/Zip Code: Madison WI 53718

Project Manager: J. Kucher

Telephone Number: 224-2830 Fax: 224-2839

Sampler Name: (Print Name) S. Smith

Sampler Signature: [Signature]

Project Name: Stoughton City Landfill

Project #: # 1764

Site/Location ID: Stoughton State: WI

Report To: S. Smith - BT<sup>2</sup>

Invoice To: S. Smith - BT<sup>2</sup>

Quote #: 00-0159 Revised PO#:

TAT <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Rush (surcharges may apply)	Date Needed: <u>2 wks.</u>	Date Sampled	Time Sampled	G = Grab, C = Composite	Field Filtered	Matrix SL - Sludge DW - Drinking Water GW - Groundwater S - Soil/Solid WW - Wastewater Specify Other	Preservation & # of Containers							Analyze For:	QC Deliverables <input checked="" type="checkbox"/> None <input checked="" type="checkbox"/> Level 2 (Batch QC) <input type="checkbox"/> Level 3 <input type="checkbox"/> Level 4 Other: _____	REMARKS				
							HNO <sub>3</sub>	HCl	NaOH	H <sub>2</sub> SO <sub>4</sub>	Methanol	None	Other (Specify)							
		4/5/01	0900	G	N	GW	1													
			1045				3	2												
			1110																	
			1135																	
			1200																	
			1200																	
			1220				3													
			1240																	

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MAY 03 2001

Special Instructions: metals are unfiltered for total's.

LABORATORY COMMENTS:  
Init Lab Temp: 11.0  
Rec Lab Temp: \_\_\_\_\_  
Custody Seals: Y (N) N/A  
Bottles Supplied by TestAmerica: (Y) N  
Method of Shipment: TA

Relinquished By: [Signature] Date: 4/6/01 Time: \_\_\_\_\_ Received By: [Signature] Date: 4/6/01 Time: 845

Relinquished By: [Signature] Date: 4/6/01 Time: 1130 Received By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_ Received By: CB Date: 4/6/01 Time: 1350

NOTEBOOK COPY

sublinal

## ANALYTICAL AND QUALITY CONTROL REPORT

Mr. Steven Smith  
 BT2, INC.  
 2830 Dairy Drive  
 Madison, WI 53704-6751

05/01/2001

Job No: 01.02221

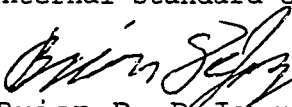
Page 1 of 16

Enclosed are the Analytical and Quality Control reports for the following samples submitted for analysis:

Sample Number	Sample Description	Date Taken	Date Received
432582	00133999 Trip Blank 1764 Stough	04/05/2001	04/06/2001
432583	00133847 MW7S 1764 Stoughton	04/05/2001	04/06/2001
432584	00133848 MW7I 1764 Stoughton	04/05/2001	04/06/2001
432585	00133865 MW15S 1764 Stoughton	04/05/2001	04/06/2001
432586	00133866 MW15I 1764 Stoughton	04/05/2001	04/06/2001
432587	00133866 MW15I Dup 1764 Stought	04/05/2001	04/06/2001
432588	00133867 MW15D 1764 Stoughton	04/05/2001	04/06/2001
432589	00133997 Field Blank 2 1764	04/05/2001	04/06/2001

Soil results are reported on a dry weight basis. The above sample(s) may have a result flag shown on the report. The following are the result flag definitions:

- |  |  |
|--|--|
| A = Analyzed/extracted past hold time  | B = Blank is contaminated              |
| C = Standard outside of control limits | D = Diluted for analysis               |
| F = Sample filtered in lab             | G = Received past hold time            |
| H = Late eluting hydrocarbons present  | I = Improperly handled sample          |
| J = Estimated concentration            | L = Common lab solvent and contaminant |
| M = Matrix interference                | P = Improperly preserved sample        |
| Q = Result confirmed via re-analysis   | S = Sediment present                   |
| T = Does not match typical pattern     | W = BOD re-set due to missed dilution  |
| X = Unidentified compound(s) present   | Z = Internal standard outside limits   |

  
 Brian D. DeJong  
 Organic Operations Manager

NOTE

# Test America

INCORPORATED

## ANALYTICAL AND QUALITY CONTROL REPORT

RECEIVED  
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Mr. Steven Smith  
BT2, INC.  
2830 Dairy Drive  
Madison, WI 53704-6751

05/01/2001

Job No: 01.02221

Page 1 of 13

Enclosed are the Analytical and Quality Control reports for the following samples submitted for analysis:

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432585	00133865 MW15S 1764 Stoughton	04/05/2001	04/06/2001
432586	00133866 MW15I 1764 Stoughton	04/05/2001	04/06/2001
432587	00133866 MW15I Dup 1764 Stought	04/05/2001	04/06/2001
432588	00133867 MW15D 1764 Stoughton	04/05/2001	04/06/2001
432589	00133997 Field Blank 2 1764	04/05/2001	04/06/2001

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Brian D. DeJong  
Organic Operations Manager

## ANALYTICAL REPORT

Mr. Steven Smith  
 BT2, INC.  
 2830 Dairy Drive  
 Madison, WI 53704-6751

05/01/2001  
 Job No: 01.02221  
 Sample No: 432582  
 Account No: 10100  
 Page 2 of 13

JOB DESCRIPTION: 1764 Stoughton City Landfill  
 PROJECT DESCRIPTION: Groundwater Analysis  
 SAMPLE DESCRIPTION: 00133999 Trip Blank 1764 Stoughton  
 Rec'd on ice

Date/Time Taken: 04/05/2001 09:00

Date Received: 04/06/2001

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
VOC - AQUEOUS - EPA 8260B							
Misc VOC Compounds							
Benzene	<0.10	ug/L	0.10	0.33	SW 8260B	04/15/2001	2407
Bromobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
Bromochloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
Bromodichloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
Bromoform	<0.25	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
Bromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
n-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
sec-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
tert-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
Carbon Tetrachloride	<0.25	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
Chlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
Chlorodibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
Chloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
Chloroform	<0.25	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
Chloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
2-Chlorotoluene	<0.10	ug/L	0.10	0.33	SW 8260B	04/15/2001	2407
4-Chlorotoluene	<0.25	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
1,2-Dibromo-3-Chloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
1,2-Dibromoethane (EDB)	<0.25	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
Dibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
1,2-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
1,3-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
1,4-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
Dichlorodifluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
1,1-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
1,2-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
1,1-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
cis-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
trans-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
1,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
1,3-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
2,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
1,1-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
cis-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
trans-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
Di-isopropyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
Ethylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407

## ANALYTICAL REPORT

Mr. Steven Smith  
 BT2, INC.  
 2830 Dairy Drive  
 Madison, WI 53704-6751

05/01/2001  
 Job No: 01.02221  
 Sample No: 432582  
 Account No: 10100  
 Page 3 of 13

JOB DESCRIPTION: 1764 Stoughton City Landfill  
 PROJECT DESCRIPTION: Groundwater Analysis  
 SAMPLE DESCRIPTION: 00133999 Trip Blank 1764 Stoughton  
 Rec'd on ice

Date/Time Taken: 04/05/2001 09:00

Date Received: 04/06/2001

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
Hexachlorobutadiene	<0.25	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
Isopropylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
p-Isopropyltoluene	<0.25	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
Methylene Chloride	L 0.97	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
Methyl-t-butyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
Naphthalene	<0.25	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
n-Propylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
Styrene	<0.25	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
1,1,1,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
1,1,2,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
Tetrachloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
Tetrahydrofuran	<0.25	ug/L	0.25	0.83	SW 8260B	04/15/2001	621
Toluene	<0.10	ug/L	0.10	0.33	SW 8260B	04/15/2001	2407
1,2,3-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
1,2,4-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
1,1,1-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
1,1,2-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
Trichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
Trichlorofluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
1,2,3-Trichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
1,2,4-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	04/15/2001	2407
1,3,5-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	04/15/2001	2407
Vinyl Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
Xylenes, Total	<0.25	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
Surr: Dibromofluoromethane	102.0	%		94-108	SW 8260B	04/15/2001	2407
Surr: Toluene-d8	97.8	%		90-104	SW 8260B	04/15/2001	2407
Surr: Bromofluorobenzene	97.0	%		94-107	SW 8260B	04/15/2001	2407



## ANALYTICAL REPORT

Mr. Steven Smith  
 BT2, INC.  
 2830 Dairy Drive  
 Madison, WI 53704-6751

05/01/2001  
 Job No: 01.02221  
 Sample No: 432583  
 Account No: 10100  
 Page 4 of 13

JOB DESCRIPTION: 1764 Stoughton City Landfill  
 PROJECT DESCRIPTION: Groundwater Analysis  
 SAMPLE DESCRIPTION: 00133847 MW7S 1764 Stoughton  
 Rec'd on ice

Date/Time Taken: 04/05/2001 10:45

Date Received: 04/06/2001

Parameter	Results	Units	MDL	LOQ	Method	Date	Prep/Run
						Analyzed	Batch
Antimony, GFAA	0.0027	mg/L	0.0019	0.0067	EPA 204.2	05/01/2001	260 305
Arsenic, GFAA	0.0023	mg/L	0.0018	0.0065	EPA 206.2	04/20/2001	1106 789
Barium, ICP	0.13	mg/L	0.0007	0.0025	SW 6010B	04/16/2001	1883 941
Beryllium, GFAA	0.00023	mg/L	0.000017	0.000059	EPA 210.2	04/23/2001	1106 147
Boron, ICP	0.021	mg/L	0.017	0.054	SW 6010B	04/12/2001	756
Cadmium, GFAA	0.0077	mg/L	0.000042	0.00015	EPA 213.2	04/19/2001	1106 901
Chromium, ICP	0.050	mg/L	0.0034	0.012	SW 6010B	04/16/2001	1883 754
Cobalt, ICP	0.012	mg/L	0.0036	0.013	SW 6010B	04/16/2001	1883 754
Copper, ICP	0.052	mg/L	0.013	0.046	SW 6010B	04/16/2001	1883 848
Lead, GFAA	0.0025	mg/L	0.0012	0.0044	EPA 239.2	04/18/2001	1106 2038
Mercury, CVAA	<0.000056	mg/L	0.000056	0.00020	EPA 245.1	04/19/2001	38 1688
Nickel, ICP	0.071	mg/L	0.0036	0.013	SW 6010B	04/16/2001	1883 760
Selenium, GFAA	<0.0015	mg/L	0.0015	0.0054	EPA 270.2	04/26/2001	1106 669
Silver, ICP	<0.0013	mg/L	0.0013	0.0047	SW 6010B	04/16/2001	1883 732
Thallium, GFAA	<0.0014	mg/L	0.0014	0.0048	EPA 279.2	04/24/2001	1106 310
Vanadium, ICP	0.033	mg/L	0.0025	0.0090	SW 6010B	04/16/2001	1883 727
VOC - AQUEOUS - EPA 8260B							
Misc VOC Compounds							
Dichlorodifluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
Tetrahydrofuran	<0.25	ug/L	0.25	0.83	SW 8260B	04/15/2001	621
Surr: Dibromofluoromethane	102.8	%		94-108	SW 8260B	04/15/2001	2407
Surr: Toluene-d8	98.2	%		90-104	SW 8260B	04/15/2001	2407
Surr: Bromofluorobenzene	98.2	%		94-107	SW 8260B	04/15/2001	2407

## ANALYTICAL REPORT

Mr. Steven Smith  
 BT2, INC.  
 2830 Dairy Drive  
 Madison, WI 53704-6751

05/01/2001  
 Job No: 01.02221  
 Sample No: 432584  
 Account No: 10100  
 Page 5 of 13

JOB DESCRIPTION: 1764 Stoughton City Landfill  
 PROJECT DESCRIPTION: Groundwater Analysis  
 SAMPLE DESCRIPTION: 00133848 MW7I 1764 Stoughton  
 Rec'd on ice

Date/Time Taken: 04/05/2001 11:10

Date Received: 04/06/2001

Parameter	Results	Units	MDL	LOQ	Method	Date	
						Analyzed	Prep/Run Batch
Antimony, GFAA	<0.0019	mg/L	0.0019	0.0067	EPA 204.2	05/01/2001	260 305
Arsenic, GFAA	<0.0018	mg/L	0.0018	0.0065	EPA 206.2	04/20/2001	1106 789
Barium, ICP	0.025	mg/L	0.0007	0.0025	SW 6010B	04/16/2001	1883 941
Beryllium, GFAA	<0.000017	mg/L	0.000017	0.000059	EPA 210.2	04/23/2001	1106 147
Boron, ICP	<0.017	mg/L	0.017	0.054	SW 6010B	04/12/2001	756
Cadmium, GFAA	0.000058	mg/L	0.000042	0.00015	EPA 213.2	04/19/2001	1106 901
Chromium, ICP	<0.0034	mg/L	0.0034	0.012	SW 6010B	04/16/2001	1883 754
Cobalt, ICP	<0.0036	mg/L	0.0036	0.013	SW 6010B	04/16/2001	1883 754
Copper, ICP	<0.013	mg/L	0.013	0.046	SW 6010B	04/16/2001	1883 848
Lead, GFAA	<0.0012	mg/L	0.0012	0.0044	EPA 239.2	04/18/2001	1106 2038
Mercury, CVAA	<0.000056	mg/L	0.000056	0.00020	EPA 245.1	04/19/2001	38 1688
Nickel, ICP	<0.0036	mg/L	0.0036	0.013	SW 6010B	04/16/2001	1883 760
Selenium, GFAA	<0.0015	mg/L	0.0015	0.0054	EPA 270.2	04/26/2001	1106 669
Silver, ICP	<0.0013	mg/L	0.0013	0.0047	SW 6010B	04/16/2001	1883 732
Thallium, GFAA	<0.0014	mg/L	0.0014	0.0048	EPA 279.2	04/24/2001	1106 310
Vanadium, ICP	<0.0025	mg/L	0.0025	0.0090	SW 6010B	04/16/2001	1883 727
VOC - AQUEOUS - EPA 8260B							
Misc VOC Compounds							
Dichlorodifluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
Tetrahydrofuran	<0.25	ug/L	0.25	0.83	SW 8260B	04/15/2001	621
Surr: Dibromofluoromethane	102.6	%		94-108	SW 8260B	04/15/2001	2407
Surr: Toluene-d8	98.6	%		90-104	SW 8260B	04/15/2001	2407
Surr: Bromofluorobenzene	96.4	%		94-107	SW 8260B	04/15/2001	2407

## ANALYTICAL REPORT

Mr. Steven Smith  
 BT2, INC.  
 2830 Dairy Drive  
 Madison, WI 53704-6751

05/01/2001  
 Job No: 01.02221  
 Sample No: 432585  
 Account No: 10100  
 Page 6 of 13

JOB DESCRIPTION: 1764 Stoughton City Landfill  
 PROJECT DESCRIPTION: Groundwater Analysis  
 SAMPLE DESCRIPTION: 00133865 MW15S 1764 Stoughton  
 Rec'd on ice

Date/Time Taken: 04/05/2001 11:35

Date Received: 04/06/2001

Parameter	Results	Units	MDL	LOQ	Method	Date	Prep/Run
						Analyzed	Batch
Antimony, GFAA	<0.0019	mg/L	0.0019	0.0067	EPA 204.2	05/01/2001	260 305
Arsenic, GFAA	<0.0018	mg/L	0.0018	0.0065	EPA 206.2	04/20/2001	1106 789
Barium, ICP	0.052	mg/L	0.0007	0.0025	SW 6010B	04/16/2001	1883 941
Beryllium, GFAA	0.000056	mg/L	0.000017	0.000059	EPA 210.2	04/23/2001	1106 147
Boron, ICP	<0.017	mg/L	0.017	0.054	SW 6010B	04/12/2001	756
Cadmium, GFAA	0.0050	mg/L	0.000042	0.00015	EPA 213.2	04/19/2001	1106 901
Chromium, ICP	0.0094	mg/L	0.0034	0.012	SW 6010B	04/16/2001	1883 754
Cobalt, ICP	<0.0036	mg/L	0.0036	0.013	SW 6010B	04/16/2001	1883 754
Copper, ICP	<0.013	mg/L	0.013	0.046	SW 6010B	04/16/2001	1883 848
Lead, GFAA	0.0018	mg/L	0.0012	0.0044	EPA 239.2	04/18/2001	1106 2038
Mercury, CVAA	<0.000056	mg/L	0.000056	0.00020	EPA 245.1	04/19/2001	38 1688
Nickel, ICP	0.0056	mg/L	0.0036	0.013	SW 6010B	04/16/2001	1883 760
Selenium, GFAA	<0.0015	mg/L	0.0015	0.0054	EPA 270.2	04/26/2001	1106 669
Silver, ICP	<0.0013	mg/L	0.0013	0.0047	SW 6010B	04/16/2001	1883 732
Thallium, GFAA	<0.0014	mg/L	0.0014	0.0048	EPA 279.2	04/24/2001	1106 310
Vanadium, ICP	0.0032	mg/L	0.0025	0.0090	SW 6010B	04/16/2001	1883 727
VOC - AQUEOUS - EPA 8260B							
Misc VOC Compounds							
Dichlorodifluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
Tetrahydrofuran	<0.25	ug/L	0.25	0.83	SW 8260B	04/15/2001	621
Surr: Dibromofluoromethane	101.8	‡		94-108	SW 8260B	04/15/2001	2407
Surr: Toluene-d8	98.0	‡		90-104	SW 8260B	04/15/2001	2407
Surr: Bromofluorobenzene	96.4	‡		94-107	SW 8260B	04/15/2001	2407

## ANALYTICAL REPORT

Mr. Steven Smith  
 BT2, INC.  
 2830 Dairy Drive  
 Madison, WI 53704-6751

05/01/2001  
 Job No: 01.02221  
 Sample No: 432586  
 Account No: 10100  
 Page 7 of 13

JOB DESCRIPTION: 1764 Stoughton City Landfill  
 PROJECT DESCRIPTION: Groundwater Analysis  
 SAMPLE DESCRIPTION: 00133866 MW15I 1764 Stoughton  
 Rec'd on ice

Date/Time Taken: 04/05/2001 12:00

Date Received: 04/06/2001

Parameter	Results	Units	MDL	LOQ	Method	Date		Prep/Run	
						Analyzed	Batch		
Antimony, GFAA	<0.0019	mg/L	0.0019	0.0067	EPA 204.2	05/01/2001	260	305	
Arsenic, GFAA	<0.0018	mg/L	0.0018	0.0065	EPA 206.2	04/20/2001	1106	789	
Barium, ICP	0.027	mg/L	0.0007	0.0025	SW 6010B	04/16/2001	1883	941	
Beryllium, GFAA	<0.000017	mg/L	0.000017	0.000059	EPA 210.2	04/23/2001	1106	147	
Boron, ICP	<0.017	mg/L	0.017	0.054	SW 6010B	04/12/2001		756	
Cadmium, GFAA	0.000060	mg/L	0.000042	0.00015	EPA 213.2	04/19/2001	1106	901	
Chromium, ICP	0.0034	mg/L	0.0034	0.012	SW 6010B	04/16/2001	1883	754	
Cobalt, ICP	<0.0036	mg/L	0.0036	0.013	SW 6010B	04/16/2001	1883	754	
Copper, ICP	<0.013	mg/L	0.013	0.046	SW 6010B	04/16/2001	1883	848	
Lead, GFAA	<0.0012	mg/L	0.0012	0.0044	EPA 239.2	04/19/2001	1106	2038	
Mercury, CVAA	<0.000056	mg/L	0.000056	0.00020	EPA 245.1	04/19/2001	38	1688	
Nickel, ICP	0.044	mg/L	0.0036	0.013	SW 6010B	04/16/2001	1883	760	
Selenium, GFAA	<0.0015	mg/L	0.0015	0.0054	EPA 270.2	04/26/2001	1106	669	
Silver, ICP	<0.0013	mg/L	0.0013	0.0047	SW 6010B	04/16/2001	1883	732	
Thallium, GFAA	<0.0014	mg/L	0.0014	0.0048	EPA 279.2	04/25/2001	1106	310	
Vanadium, ICP	<0.0025	mg/L	0.0025	0.0090	SW 6010B	04/16/2001	1883	727	
VOC - AQUEOUS - EPA 8260B									
Misc VOC Compounds									
Dichlorodifluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/15/2001		2407	
Tetrahydrofuran	<0.25	ug/L	0.25	0.83	SW 8260B	04/15/2001		621	
Surr: Dibromofluoromethane	101.8	%		94-108	SW 8260B	04/15/2001		2407	
Surr: Toluene-d8	99.0	%		90-104	SW 8260B	04/15/2001		2407	
Surr: Bromofluorobenzene	98.2	%		94-107	SW 8260B	04/15/2001		2407	

## ANALYTICAL REPORT

Mr. Steven Smith  
BT2, INC.  
2830 Dairy Drive  
Madison, WI 53704-6751

05/01/2001  
Job No: 01.02221  
Sample No: 432587  
Account No: 10100  
Page 8 of 13

JOB DESCRIPTION: 1764 Stoughton City Landfill  
PROJECT DESCRIPTION: Groundwater Analysis  
SAMPLE DESCRIPTION: 00133866 MW15I Dup 1764 Stoughton  
Rec'd on ice

Date/Time Taken: 04/05/2001 12:00

Date Received: 04/06/2001

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
VOC - AQUEOUS - EPA 8260B							
Misc VOC Compounds							
Dichlorodifluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
Tetrahydrofuran	<0.25	ug/L	0.25	0.83	SW 8260B	04/15/2001	621
Surr: Dibromofluoromethane	102.2	%		94-108	SW 8260B	04/15/2001	2407
Surr: Toluene-d8	98.8	%		90-104	SW 8260B	04/15/2001	2407
Surr: Bromofluorobenzene	97.4	%		94-107	SW 8260B	04/15/2001	2407

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

Mr. Steven Smith  
 BT2, INC.  
 2830 Dairy Drive  
 Madison, WI 53704-6751

05/01/2001  
 Job No: 01.02221  
 Sample No: 432588  
 Account No: 10100  
 Page 9 of 13

JOB DESCRIPTION: 1764 Stoughton City Landfill  
 PROJECT DESCRIPTION: Groundwater Analysis  
 SAMPLE DESCRIPTION: 00133867 MW15D 1764 Stoughton  
 Rec'd on ice

Date/Time Taken: 04/05/2001 12:20

Date Received: 04/06/2001

Parameter	Results	Units	MDL	LOQ	Method	Date		Prep/Run		
						Analyzed	Batch			
Antimony, GFAA	<0.0019	mg/L	0.0019	0.0067	EPA 204.2	05/01/2001	260	305		
Arsenic, GFAA	<0.0018	mg/L	0.0018	0.0065	EPA 206.2	04/20/2001	1106	789		
Barium, ICP	0.038	mg/L	0.0007	0.0025	SW 6010B	04/16/2001	1883	941		
Beryllium, GFAA	<0.000017	mg/L	0.000017	0.000059	EPA 210.2	04/23/2001	1106	147		
Boron, ICP	<0.017	mg/L	0.017	0.054	SW 6010B	04/12/2001		756		
Cadmium, GFAA	0.000051	mg/L	0.000042	0.00015	EPA 213.2	04/19/2001	1106	901		
Chromium, ICP	0.0035	mg/L	0.0034	0.012	SW 6010B	04/16/2001	1883	754		
Cobalt, ICP	<0.0036	mg/L	0.0036	0.013	SW 6010B	04/16/2001	1883	754		
Copper, ICP	<0.013	mg/L	0.013	0.046	SW 6010B	04/16/2001	1883	848		
Lead, GFAA	<0.0012	mg/L	0.0012	0.0044	EPA 239.2	04/18/2001	1106	2038		
Mercury, CVAA	<0.000056	mg/L	0.000056	0.00020	EPA 245.1	04/19/2001	38	1688		
Nickel, ICP	<0.0036	mg/L	0.0036	0.013	SW 6010B	04/16/2001	1883	760		
Selenium, GFAA	<0.0015	mg/L	0.0015	0.0054	EPA 270.2	04/25/2001	1106	669		
Silver, ICP	<0.0013	mg/L	0.0013	0.0047	SW 6010B	04/16/2001	1883	732		
Thallium, GFAA	<0.0014	mg/L	0.0014	0.0048	EPA 279.2	04/24/2001	1106	310		
Vanadium, ICP	<0.0025	mg/L	0.0025	0.0090	SW 6010B	04/16/2001	1883	727		
VOC - AQUEOUS - EPA 8260B										
Misc VOC Compounds										
Dichlorodifluoromethane	<0.49	ug/L	0.49	1.6	SW 8260B	04/17/2001		1064		
Tetrahydrofuran	<1.9	ug/L	1.9	6.1	SW 8260B	04/17/2001		492		
Surr: Dibromofluoromethane	109.4	%		87-120	SW 8260B	04/17/2001		1064		
Surr: Toluene-d8	102.2	%		90-108	SW 8260B	04/17/2001		1064		
Surr: Bromofluorobenzene	100.8	%		86-113	SW 8260B	04/17/2001		1064		



## ANALYTICAL REPORT

Mr. Steven Smith  
BT2, INC.  
2830 Dairy Drive  
Madison, WI 53704-6751

05/01/2001  
Job No: 01.02221  
Sample No: 432589  
Account No: 10100  
Page 10 of 13

JOB DESCRIPTION: 1764 Stoughton City Landfill  
PROJECT DESCRIPTION: Groundwater Analysis  
SAMPLE DESCRIPTION: 00133997 Field Blank 2 1764  
Rec'd on ice

Date/Time Taken: 04/05/2001 12:40

Date Received: 04/06/2001

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
VOC - AQUEOUS - EPA 8260B							
Misc VOC Compounds							
Dichlorodifluoromethane	<0.49	ug/L	0.49	1.6	SW 8260B	04/17/2001	1064
Tetrahydrofuran	<1.9	ug/L	1.9	6.1	SW 8260B	04/17/2001	492
Surr: Dibromofluoromethane	108.6	%		87-120	SW 8260B	04/17/2001	1064
Surr: Toluene-d8	102.6	%		90-108	SW 8260B	04/17/2001	1064
Surr: Bromofluorobenzene	101.2	%		86-113	SW 8260B	04/17/2001	1064

## QUALITY CONTROL REPORT BLANKS

05/01/2001

Mr. Steven Smith  
BT2, INC.  
2830 Dairy Drive  
Madison, WI 53704-6751

Job No: 01.02221  
Account No: 10100

Page 11 of 13

Job Description: 1764 Stoughton City Landfill

Parameter	Prep Batch	Run Batch	Blank Result	MDL	LOQ	Units
Antimony, GFAA	260	305	<0.0019	0.0019	0.0067	mg/L
Antimony, GFAA		305	<0.0019	0.0019	0.0067	mg/L
Arsenic, GFAA	1106	789	<0.0018	0.0018	0.0065	mg/L
Arsenic, GFAA		789	<0.0018	0.0018	0.0065	mg/L
Barium, ICP		941	<0.0007	0.0007	0.0025	mg/L
Beryllium, GFAA	1106	147	0.000040	0.000017	0.000059	mg/L
Beryllium, GFAA		147	<0.000017	0.000017	0.000059	mg/L
Boron, ICP		756	<0.017	0.017	0.054	mg/L
Cadmium, GFAA	1106	901	<0.000042	0.000042	0.00015	mg/L
Cadmium, GFAA		901	<0.000042	0.000042	0.00015	mg/L
Chromium, ICP		754	<0.0034	0.0034	0.012	mg/L
Cobalt, ICP		754	<0.0036	0.0036	0.013	mg/L
Copper, ICP		848	<0.013	0.013	0.046	mg/L
Lead, GFAA	1106	2038	<0.0012	0.0012	0.0044	mg/L
Lead, GFAA		2038	<0.0012	0.0012	0.0044	mg/L
Mercury, CVAA	38	1688	<0.000056	0.000056	0.00020	mg/L
Mercury, CVAA		1688	<0.000056	0.000056	0.00020	mg/L
Nickel, ICP		760	<0.0036	0.0036	0.013	mg/L
Selenium, GFAA	1106	669	<0.0015	0.0015	0.0054	mg/L
Selenium, GFAA		669	<0.0015	0.0015	0.0054	mg/L
Selenium, GFAA		669	<0.0015	0.0015	0.0054	mg/L
Silver, ICP		732	<0.0013	0.0013	0.0047	mg/L
Thallium, GFAA	1106	310	<0.0014	0.0014	0.0048	mg/L
Thallium, GFAA		310	<0.0014	0.0014	0.0048	mg/L
Thallium, GFAA		310	<0.0014	0.0014	0.0048	mg/L
Vanadium, ICP		727	<0.0025	0.0025	0.0090	mg/L
VOC - AQUEOUS - EPA 8260B						
Dichlorodifluoromethane		1064	<0.49	0.49	1.6	ug/L
Surr: Dibromofluoromethane		1064	100.8		87-120	%
Surr: Toluene-d8		1064	102.0		90-108	%
Surr: Bromofluorobenzene		1064	101.6		86-113	%
Misc VOC Compounds						
Tetrahydrofuran		492	<1.9	1.9	6.1	ug/L
VOC - AQUEOUS - EPA 8260B						
Benzene		2407	<0.10	0.10	0.33	ug/L
Bromobenzene		2407	<0.25	0.25	0.83	ug/L
Bromochloromethane		2407	<0.25	0.25	0.83	ug/L

Method blank results exceed control limits when results are higher than the highest of any of the following: 1 - The limit of detection; 2 - Five percent of the regulatory limit for that analyte; 3 - Five percent of the measured concentration in the sample. NR149.14 (3)d

## QUALITY CONTROL REPORT

### BLANKS

Mr. Steven Smith  
 BT2, INC.  
 2830 Dairy Drive  
 Madison, WI 53704-6751

05/01/2001

Job No: 01.02221  
 Account No: 10100

Page 12 of 13

Job Description: 1764 Stoughton City Landfill

Parameter	Prep Batch	Run Batch	Blank Result	MDL	LOQ	Units
Bromodichloromethane		2407	<0.25	0.25	0.83	ug/L
Bromoform		2407	<0.25	0.25	0.83	ug/L
Bromomethane		2407	<0.25	0.25	0.83	ug/L
n-Butylbenzene		2407	<0.25	0.25	0.83	ug/L
sec-Butylbenzene		2407	<0.25	0.25	0.83	ug/L
tert-Butylbenzene		2407	<0.25	0.25	0.83	ug/L
Carbon Tetrachloride		2407	<0.25	0.25	0.83	ug/L
Chlorobenzene		2407	<0.25	0.25	0.83	ug/L
Chlorodibromomethane		2407	<0.25	0.25	0.83	ug/L
Chloroethane		2407	<0.25	0.25	0.83	ug/L
Chloroform		2407	<0.25	0.25	0.83	ug/L
Chloromethane		2407	<0.25	0.25	0.83	ug/L
2-Chlorotoluene		2407	<0.10	0.10	0.33	ug/L
4-Chlorotoluene		2407	<0.25	0.25	0.83	ug/L
1,2-Dibromo-3-Chloropropane		2407	<0.25	0.25	0.83	ug/L
1,2-Dibromoethane (EDB)		2407	<0.25	0.25	0.83	ug/L
Dibromomethane		2407	<0.25	0.25	0.83	ug/L
1,2-Dichlorobenzene		2407	<0.25	0.25	0.83	ug/L
1,3-Dichlorobenzene		2407	<0.25	0.25	0.83	ug/L
1,4-Dichlorobenzene		2407	<0.25	0.25	0.83	ug/L
Dichlorodifluoromethane		2407	<0.25	0.25	0.83	ug/L
1,1-Dichloroethane		2407	<0.25	0.25	0.83	ug/L
1,2-Dichloroethane		2407	<0.25	0.25	0.83	ug/L
1,1-Dichloroethene		2407	<0.25	0.25	0.83	ug/L
cis-1,2-Dichloroethene		2407	<0.25	0.25	0.83	ug/L
trans-1,2-Dichloroethene		2407	<0.25	0.25	0.83	ug/L
1,2-Dichloropropane		2407	<0.25	0.25	0.83	ug/L
1,3-Dichloropropane		2407	<0.25	0.25	0.83	ug/L
2,2-Dichloropropane		2407	<0.25	0.25	0.83	ug/L
1,1-Dichloropropene		2407	<0.25	0.25	0.83	ug/L
cis-1,3-Dichloropropene		2407	<0.25	0.25	0.83	ug/L
trans-1,3-Dichloropropene		2407	<0.25	0.25	0.83	ug/L
Di-isopropyl ether		2407	<0.25	0.25	0.83	ug/L
Ethylbenzene		2407	<0.25	0.25	0.83	ug/L
Hexachlorobutadiene		2407	<0.25	0.25	0.83	ug/L
Isopropylbenzene		2407	<0.25	0.25	0.83	ug/L
p-Isopropyltoluene		2407	<0.25	0.25	0.83	ug/L

Method blank results exceed control limits when results are higher than the highest of any of the following: 1 - The limit of detection; 2 - Five percent of the regulatory limit for that analyte; 3 - Five percent of the measured concentration in the sample. NR149.14 (3)d

## QUALITY CONTROL REPORT

### BLANKS

05/01/2001

Mr. Steven Smith  
 BT2, INC.  
 2830 Dairy Drive  
 Madison, WI 53704-6751

Job No: 01.02221  
 Account No: 10100

Page 13 of 13

Job Description: 1764 Stoughton City Landfill

Parameter	Prep Batch	Run Batch	Blank Result	MDL	LOQ	Units
Methylene Chloride		2407	<0.25	0.25	0.83	ug/L
Methyl-t-butyl ether		2407	<0.25	0.25	0.83	ug/L
Naphthalene		2407	<0.25	0.25	0.83	ug/L
n-Propylbenzene		2407	<0.25	0.25	0.83	ug/L
Styrene		2407	<0.25	0.25	0.83	ug/L
1,1,1,2-Tetrachloroethane		2407	<0.25	0.25	0.83	ug/L
1,1,2,2-Tetrachloroethane		2407	<0.25	0.25	0.83	ug/L
Tetrachloroethene		2407	<0.25	0.25	0.83	ug/L
Toluene		2407	<0.10	0.10	0.33	ug/L
1,2,3-Trichlorobenzene		2407	<0.25	0.25	0.83	ug/L
1,2,4-Trichlorobenzene		2407	<0.25	0.25	0.83	ug/L
1,1,1-Trichloroethane		2407	<0.25	0.25	0.83	ug/L
1,1,2-Trichloroethane		2407	<0.25	0.25	0.83	ug/L
Trichloroethene		2407	<0.25	0.25	0.83	ug/L
Trichlorofluoromethane		2407	<0.25	0.25	0.83	ug/L
1,2,3-Trichloropropane		2407	<0.25	0.25	0.83	ug/L
1,2,4-Trimethylbenzene		2407	<0.10	0.10	0.33	ug/L
1,3,5-Trimethylbenzene		2407	<0.10	0.10	0.33	ug/L
Vinyl Chloride		2407	<0.25	0.25	0.83	ug/L
Xylenes, Total		2407	<0.25	0.25	0.83	ug/L
Surr: Dibromofluoromethane		2407	102.4		94-108	%
Surr: Toluene-d8		2407	99.2		90-104	%
Surr: Bromofluorobenzene		2407	96.6		94-107	%

Method blank results exceed control limits when results are higher than the highest of any of the following: 1 - The limit of detection; 2 - Five percent of the regulatory limit for that analyte; 3 - Five percent of the measured concentration in the sample. NR149.14 (3)d

Facility/Well	DNR Code	Test Name	Dup?	Result	Flags	MDL	LOQ	Sample #	Exceedance?
00133843	01067	NICKEL, TOTAL (UG/L NI)		1	20 MMM		3.6	13	432385 PAL Matched
00133999	34423	DICHLOROMETHANE IN WHL WTR SAM		1	1.5 FMM		0.25	0.83	432367 PAL & ES Exceeded
00133859	01002	ARSENIC, TOTAL (UG/L AS)		1	5.2 JMMM		1.8	6.5	432368 PAL & ES Exceeded
00133859	01051	LEAD, TOTAL (UG/L PB)		1	3 JMMM		1.2	4.4	432368 PAL & ES Exceeded
00133859	01067	NICKEL, TOTAL (UG/L NI)		1	39 MMM		3.6	13	432368 PAL & ES Exceeded
00133861	01002	ARSENIC, TOTAL (UG/L AS)		1	8.2 MMM		1.8	6.5	432369 PAL & ES Exceeded
00133854	34423	DICHLOROMETHANE IN WHL WTR SAM		1	1.4 MMM		0.25	0.83	432372 PAL & ES Exceeded
00133862	01051	LEAD, TOTAL (UG/L PB)		1	1.7 JMMM		1.2	4.4	432374 PAL & ES Exceeded
00133862	01067	NICKEL, TOTAL (UG/L NI)		1	65 MMM		3.6	13	432374 PAL & ES Exceeded
00133862	34475	TETRACHLOROETHYLENE IN WHL WTR		1	5.1 MMM		0.25	0.83	432374 PAL & ES Exceeded
00133862	39180	TRICHLOROETHYLENE IN WHOLE WATE		1	4.1 MMM		0.25	0.83	432374 PAL & ES Exceeded
00133863	39180	TRICHLOROETHYLENE IN WHOLE WATE		1	3.6 MMM		0.25	0.83	432375 PAL & ES Exceeded
00133850	01027	CADMIUM, TOTAL (UG/L AS CD)		1	5.7 MMM		0.042	0.15	432377 PAL & ES Exceeded
00133850	01051	LEAD, TOTAL (UG/L PB)		1	2 JMMM		1.2	4.4	432377 PAL & ES Exceeded
00133851	01067	NICKEL, TOTAL (UG/L NI)		1	29 MMM		3.6	13	432378 PAL & ES Exceeded
00133852	01067	NICKEL, TOTAL (UG/L NI)		1	900 MMM		3.6	13	432379 PAL & ES Exceeded
00133997	32101	BROMODICHLOROMETHANE IN WHL W		1	0.6 JFMM		0.25	0.83	432381 PAL & ES Exceeded
00133997	32104	TRIBROMOMETHANE IN WHL WTR SAM		1	1.5 FMM		0.25	0.83	432381 PAL & ES Exceeded
00133997	32106	CHLOROFORM IN WHOLE WATER SAMP		1	0.64 JFMM		0.25	0.83	432381 PAL & ES Exceeded
00133997	34475	TETRACHLOROETHYLENE IN WHL WTR		1	0.74 JFMM		0.25	0.83	432381 PAL & ES Exceeded
00133840	01097	ANTIMONY, TOTAL (UG/L SB)		1	3.1 JMMM		1.9	6.7	432382 PAL & ES Exceeded
00133840	01027	CADMIUM, TOTAL (UG/L AS CD)		1	1.1 MMM		0.042	0.15	432382 PAL & ES Exceeded
00133840	01051	LEAD, TOTAL (UG/L PB)		1	2.2 JMMM		1.2	4.4	432382 PAL & ES Exceeded
00133840	01067	NICKEL, TOTAL (UG/L NI)		1	26 MMM		3.6	13	432382 PAL & ES Exceeded
00133841	01097	ANTIMONY, TOTAL (UG/L SB)		1	2.6 JMMM		1.9	6.7	432383 PAL & ES Exceeded
00133841	81607	TETRAHYDROFURAN IN WHOLE WATER		1	53 MMM		1.9	6.1	432383 PAL & ES Exceeded
00133843	01027	CADMIUM, TOTAL (UG/L AS CD)		1	1.5 MMM		0.042	0.15	432385 PAL & ES Exceeded
00133843	01051	LEAD, TOTAL (UG/L PB)		1	2.5 JMMM		1.2	4.4	432385 PAL & ES Exceeded
00133844	01002	ARSENIC, TOTAL (UG/L AS)		1	7.7 MMM		1.8	6.5	432386 PAL & ES Exceeded
00133845	01051	LEAD, TOTAL (UG/L PB)		1	2.2 JMMM		1.2	4.4	432387 PAL & ES Exceeded
00133845	01067	NICKEL, TOTAL (UG/L NI)		1	130 MMM		3.6	13	432387 PAL & ES Exceeded
00133856	01002	ARSENIC, TOTAL (UG/L AS)		1	35 MMM		1.8	6.5	432390 PAL & ES Exceeded
00133856	01027	CADMIUM, TOTAL (UG/L AS CD)		1	0.67 MMM		0.042	0.15	432390 PAL & ES Exceeded
00133856	01051	LEAD, TOTAL (UG/L PB)		1	2.4 JMMM		1.2	4.4	432390 PAL & ES Exceeded
00133856	01067	NICKEL, TOTAL (UG/L NI)		1	25 MMM		3.6	13	432390 PAL & ES Exceeded
00133857	01059	THALLIUM, TOTAL (UG/L TL)		1	1.5 JMMM		1.4	4.8	432391 PAL & ES Exceeded
00133857	34475	TETRACHLOROETHYLENE IN WHL WTR		1	2.5 MMM		0.63	2	432391 PAL & ES Exceeded
00133857	39180	TRICHLOROETHYLENE IN WHOLE WATE		1	1.5 JMMM		0.49	1.6	432391 PAL & ES Exceeded
00133857	39175	VINYL CHLORIDE IN WHOLE WATER SA		1	1 JMMM		0.46	1.5	432391 PAL & ES Exceeded
00133999	34423	DICHLOROMETHANE IN WHL WTR SAM		1	0.97 FMM		0.25	0.83	432582 PAL & ES Exceeded









## ANALYTICAL AND QUALITY CONTROL REPORT

Mr. Steven Smith  
 BT2, INC.  
 2830 Dairy Drive  
 Madison, WI 53704-6751

05/01/2001

Job No: 01.02181

Page 1 of 60

Enclosed are the Analytical and Quality Control reports for the following samples submitted for analysis:

Sample Number	Sample Description	Date Taken	Date Received
432367	00133999 Trip Blank 1764 Stough	04/04/2001	04/05/2001
432368	00133859 MW13S 1764 Stoughton L	04/04/2001	04/05/2001
432369	00133861 MW13D 1764 Stoughton L	04/04/2001	04/05/2001
432370	00133860 MW13I 1764 Stoughton L	04/04/2001	04/05/2001
432371	00133853 MW9S 1764 Stoughton LF	04/04/2001	04/05/2001
432372	00133854 MW9I 1764 Stoughton LF	04/04/2001	04/05/2001
432373	00133855 MW9B 1764 Stoughton LF	04/04/2001	04/05/2001
432374	00133862 MW14S 1764 Stoughton L	04/04/2001	04/05/2001
432375	00133863 MW14I 1764 Stoughton L	04/04/2001	04/05/2001
432376	00133864 MW14D 1764 Stoughton L	04/04/2001	04/05/2001
432377	00133850 MW8S 1764 Stoughton LF	04/04/2001	04/05/2001
432378	00133851 MW8I 1764 Stoughton LF	04/04/2001	04/05/2001
432379	00133852 MW8B 1764 Stoughton LF	04/04/2001	04/05/2001
432380	00133851 MW8I Dup 1764 Stoughto	04/04/2001	04/05/2001
432381	00133997 Field Blank 1 1764	04/04/2001	04/05/2001

Soil results are reported on a dry weight basis. The above sample(s) may have a result flag shown on the report. The following are the result flag definitions:

A = Analyzed/extracted past hold time	B = Blank is contaminated
C = Standard outside of control limits	D = Diluted for analysis
F = Sample filtered in lab	G = Received past hold time
H = Late eluting hydrocarbons present	I = Improperly handled sample
J = Estimated concentration	L = Common lab solvent and contaminant
M = Matrix interference	P = Improperly preserved sample
Q = Result confirmed via re-analysis	S = Sediment present
T = Does not match typical pattern	W = BOD re-set due to missed dilution
X = Unidentified compound(s) present	Z = Internal standard outside limits

  
 Brian D. DeJong  
 Organic Operations Manager

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## ANALYTICAL AND QUALITY CONTROL REPORT

Mr. Steven Smith  
BT2, INC.  
2830 Dairy Drive  
Madison, WI 53704-6751

05/01/2001  
Job No: 01.02181  
Page 1 of 60

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432368	00133859 MW13S 1764 Stoughton L	04/04/2001	04/05/2001
432369	00133861 MW13D 1764 Stoughton L	04/04/2001	04/05/2001
432370	00133860 MW13I 1764 Stoughton L	04/04/2001	04/05/2001
432371	00133853 MW9S 1764 Stoughton LF	04/04/2001	04/05/2001
432372	00133854 MW9I 1764 Stoughton LF	04/04/2001	04/05/2001
432373	00133855 MW9B 1764 Stoughton LF	04/04/2001	04/05/2001
432374	00133862 MW14S 1764 Stoughton L	04/04/2001	04/05/2001
432375	00133863 MW14I 1764 Stoughton L	04/04/2001	04/05/2001
432376	00133864 MW14D 1764 Stoughton L	04/04/2001	04/05/2001
432377	00133850 MW8S 1764 Stoughton LF	04/04/2001	04/05/2001
432378	00133851 MW8I 1764 Stoughton LF	04/04/2001	04/05/2001
432379	00133852 MW8B 1764 Stoughton LF	04/04/2001	04/05/2001
432380	00133851 MW8I Dup 1764 Stoughto	04/04/2001	04/05/2001
432381	00133997 Field Blank 1 1764	04/04/2001	04/05/2001

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- M = Matrix interference
- Q = Result confirmed via re-analysis
- T = Does not match typical pattern
- X = Unidentified compound(s) present
- B = Blank is contaminated
- D = Diluted for analysis
- G = Received past hold time
- I = Improperly handled sample
- L = Common lab solvent and contaminant
- P = Improperly preserved sample
- S = Sediment present
- W = BOD re-set due to missed dilution
- Z = Internal standard outside limits

Brian D. DeJong  
Organic Operations Manager

ANALYTICAL AND QUALITY CONTROL REPORT

Mr. Steven Smith  
BT2, INC.  
2830 Dairy Drive  
Madison, WI 53704-6751

05/01/2001  
Job No: 01.02181  
Page 2 of 60

Enclosed are the Analytical and Quality Control reports for the following samples submitted for analysis:

Sample Number	Sample Description	Date Taken	Date Received
432382	00133840 MW3S 1764 Stoughton LF	04/04/2001	04/05/2001
432383	00133841 MW3D 1764 Stoughton LF	04/04/2001	04/05/2001
432384	00133842 MW3B 1764 Stoughton LF	04/04/2001	04/05/2001
432385	00133843 MW4S 1764 Stoughton LF	04/04/2001	04/05/2001
432386	00133844 MW4D 1764 Stoughton LF	04/04/2001	04/05/2001
432387	00133845 MW5S 1764 Stoughton LF	04/04/2001	04/05/2001
432388	00133846 MW5D 1764 Stoughton LF	04/04/2001	04/05/2001
432389	00133846 MW5D Dup 1764 Stoughto	04/04/2001	04/05/2001
432390	00133856 MW10S 1764 Stoughton L	04/04/2001	04/05/2001
432391	00133857 MW10I 1764 Stoughton L	04/04/2001	04/05/2001
432392	00133858 MW10D 1764 Stoughton L	04/04/2001	04/05/2001

CASE NARRATIVE

The Dichlorodifluoromethane result for sample 432391 is estimated. The first analysis was lost due to instrument failure. The second analysis was over calibration (and is the result reported here). No further analyses could be performed due to only 2 vials being submitted.

Soil results are reported on a dry weight basis. The above sample(s) may have a result flag shown on the report. The following are the result flag definitions:

- A = Analyzed/extracted past hold time
- B = Blank is contaminated
- C = Standard outside of control limits
- D = Diluted for analysis
- F = Sample filtered in lab
- G = Received past hold time
- H = Late eluting hydrocarbons present
- I = Improperly handled sample
- J = Estimated concentration
- L = Common lab solvent and contaminant
- M = Matrix interference
- P = Improperly preserved sample
- Q = Result confirmed via re-analysis
- S = Sediment present
- T = Does not match typical pattern
- W = BOD re-set due to missed dilution
- X = Unidentified compound(s) present
- Z = Internal standard outside limits

Brian D. DeJong  
Organic Operations Manager

## ANALYTICAL REPORT

Mr. Steven Smith  
 BT2, INC.  
 2830 Dairy Drive  
 Madison, WI 53704-6751

05/01/2001  
 Job No: 01.02181  
 Sample No: 432367  
 Account No: 10100  
 Page 3 of 60

JOB DESCRIPTION: 1764 Stoughton City Landfill  
 PROJECT DESCRIPTION: Groundwater Analysis  
 SAMPLE DESCRIPTION: 00133999 Trip Blank 1764 Stoughton  
 Rec'd on ice

Date/Time Taken: 04/04/2001 08:00      Date Received: 04/05/2001

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
VOC - AQUEOUS -- EPA 8260B							
Misc VOC Compounds							
Benzene	<0.10	ug/L	0.10	0.33	SW 8260B	04/14/2001	2404
Bromobenzene	<0.25	ug/L	0.25	0.82	SW 8260B	04/14/2001	2404
Bromochloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/14/2001	2404
Bromodichloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/14/2001	2404
Bromoform	<0.25	ug/L	0.25	0.83	SW 8260B	04/14/2001	2404
Bromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/14/2001	2404
n-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	04/14/2001	2404
sec-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	04/14/2001	2404
tert-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	04/14/2001	2404
Carbon Tetrachloride	<0.25	ug/L	0.25	0.83	SW 8260B	04/14/2001	2404
Chlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	04/14/2001	2404
Chlorodibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/14/2001	2404
Chloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/14/2001	2404
Chloroform	<0.25	ug/L	0.25	0.83	SW 8260B	04/14/2001	2404
Chloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/14/2001	2404
2-Chlorotoluene	<0.10	ug/L	0.10	0.33	SW 8260B	04/14/2001	2404
4-Chlorotoluene	<0.25	ug/L	0.25	0.83	SW 8260B	04/14/2001	2404
1,2-Dibromo-3-Chloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	04/14/2001	2404
1,2-Dibromoethane (EDB)	<0.25	ug/L	0.25	0.83	SW 8260B	04/14/2001	2404
Dibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/14/2001	2404
1,2-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	04/14/2001	2404
1,3-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	04/14/2001	2404
1,4-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	04/14/2001	2404
Dichlorodifluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/14/2001	2404
1,1-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/14/2001	2404
1,2-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/14/2001	2404
1,1-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	04/14/2001	2404
cis-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	04/14/2001	2404
trans-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	04/14/2001	2404
1,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	04/14/2001	2404
1,3-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	04/14/2001	2404
2,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	04/14/2001	2404
1,1-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	04/14/2001	2404
cis-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	04/14/2001	2404
trans-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	04/14/2001	2404
Di-isopropyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	04/14/2001	2404
Ethylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	04/14/2001	2404

## ANALYTICAL REPORT

Mr. Steven Smith  
 BT2, INC.  
 2830 Dairy Drive  
 Madison, WI 53704-6751

05/01/2001  
 Job No: 01.02181  
 Sample No: 432367  
 Account No: 10100  
 Page 4 of 60

JOB DESCRIPTION: 1764 Stoughton City Landfill  
 PROJECT DESCRIPTION: Groundwater Analysis  
 SAMPLE DESCRIPTION: 00133999 Trip Blank 1764 Stoughton  
 Rec'd on ice

Date/Time Taken: 04/04/2001 08:00

Date Received: 04/05/2001

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
Hexachlorobutadiene	<0.25	ug/L	0.25	0.83	SW 8260B	04/14/2001	2404
Isopropylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	04/14/2001	2404
p-Isopropyltoluene	<0.25	ug/L	0.25	0.83	SW 8260B	04/14/2001	2404
Methylene Chloride	L 1.5	ug/L	0.25	0.83	SW 8260B	04/14/2001	2404
Methyl-t-butyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	04/14/2001	2404
Naphthalene	<0.25	ug/L	0.25	0.83	SW 8260B	04/14/2001	2404
n-Propylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	04/14/2001	2404
Styrene	<0.25	ug/L	0.25	0.83	SW 8260B	04/14/2001	2404
1,1,1,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/14/2001	2404
1,1,2,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/14/2001	2404
Tetrachloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	04/14/2001	2404
Tetrahydrofuran	<0.25	ug/L	0.25	0.83	SW 8260B	04/14/2001	618
Toluene	<0.10	ug/L	0.10	0.33	SW 8260B	04/14/2001	2404
1,2,3-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	04/14/2001	2404
1,2,4-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	04/14/2001	2404
1,1,1-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/14/2001	2404
1,1,2-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/14/2001	2404
Trichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	04/14/2001	2404
Trichlorofluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/14/2001	2404
1,2,3-Trichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	04/14/2001	2404
1,2,4-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	04/14/2001	2404
1,3,5-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	04/14/2001	2404
Vinyl Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	04/14/2001	2404
Xylenes, Total	<0.25	ug/L	0.25	0.83	SW 8260B	04/14/2001	2404
Surr: Dibromofluoromethane	102.2	%		94-108	SW 8260B	04/14/2001	2404
Surr: Toluene-d8	101.0	%		90-104	SW 8260B	04/14/2001	2404
Surr: Bromofluorobenzene	101.8	%		94-107	SW 8260B	04/14/2001	2404

## ANALYTICAL REPORT

Mr. Steven Smith  
 BT2, INC.  
 2830 Dairy Drive  
 Madison, WI 53704-6751

05/01/2001  
 Job No: 01.02181  
 Sample No: 432368  
 Account No: 10100  
 Page 5 of 60

JOB DESCRIPTION: 1764 Stoughton City Landfill  
 PROJECT DESCRIPTION: Groundwater Analysis  
 SAMPLE DESCRIPTION: 00133859 MW13S 1764 Stoughton LF  
 Rec'd on ice

Date/Time Taken: 04/04/2001 09:30

Date Received: 04/05/2001

Parameter	Results	Units	MDL	LOQ	Method	Date		Prep/Run	
						Analyzed	Batch	Batch	Batch
Antimony, GFAA	<0.0019	mg/L	0.0019	0.0067	EPA 204.2	04/30/2001	259	303	
Arsenic, GFAA	0.0052	mg/L	0.0018	0.0065	EPA 206.2	04/12/2001	1105	788	
Barium, ICP	0.15	mg/L	0.0007	0.0025	SW 6010B	04/13/2001	1879	938	
Beryllium, GFAA	0.00011	mg/L	0.000017	0.000059	EPA 210.2	04/23/2001	1105	146	
Boron, ICP	0.047	mg/L	0.017	0.054	SW 6010B	04/12/2001		750	
Cadmium, GFAA	0.00022	mg/L	0.000042	0.00015	EPA 213.2	04/19/2001	1105	900	
Chromium, ICP	0.052	mg/L	0.0034	0.012	SW 6010B	04/13/2001	1879	751	
Cobalt, ICP	0.047	mg/L	0.0036	0.013	SW 6010B	04/13/2001	1879	751	
Copper, ICP	0.044	mg/L	0.013	0.046	SW 6010B	04/13/2001	1879	845	
Lead, GFAA	0.0030	mg/L	0.0012	0.0044	EPA 239.2	04/16/2001	1105	2036	
Mercury, CVAA	<0.000056	mg/L	0.000056	0.00020	EPA 245.1	04/20/2001	37	1689	
Nickel, ICP	0.039	mg/L	0.0036	0.013	SW 6010B	04/13/2001	1879	757	
Selenium, GFAA	<0.0015	mg/L	0.0015	0.0054	EPA 270.2	04/25/2001	1105	668	
Silver, ICP	<0.0013	mg/L	0.0013	0.0047	SW 6010B	04/13/2001	1879	729	
Thallium, GFAA	<0.0014	mg/L	0.0014	0.0048	EPA 279.2	04/24/2001	1105	309	
Vanadium, ICP	0.058	mg/L	0.0014	0.0049	SW 6010B	04/13/2001	1879	724	
VOC - AQUEOUS - EPA 8260B									
Misc VOC Compounds									
Dichlorodifluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/13/2001		2404	
Tetrahydrofuran	<0.25	ug/L	0.25	0.83	SW 8260B	04/14/2001		618	
Surr: Dibromofluoromethane	103.8	%		94-108	SW 8260B	04/14/2001		2404	
Surr: Toluene-d8	101.0	%		90-104	SW 8260B	04/14/2001		2404	
Surr: Bromofluorobenzene	103.2	%		94-107	SW 8260B	04/14/2001		2404	

# TestAmerica

INCORPORATED

## ANALYTICAL REPORT

Mr. Steven Smith  
BT2, INC.  
2830 Dairy Drive  
Madison, WI 53704-6751

05/01/2001  
Job No: 01.02181  
Sample No: 432369  
Account No: 10100  
Page 6 of 60

JOB DESCRIPTION: 1764 Stoughton City Landfill  
PROJECT DESCRIPTION: Groundwater Analysis  
SAMPLE DESCRIPTION: 00133861 MW13D 1764 Stoughton LF  
Rec'd on ice

Date/Time Taken: 04/04/2001 09:15

Date Received: 04/05/2001

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
Antimony, GFAA	<0.0019	mg/L	0.0019	0.0067	EPA 204.2	04/30/2001	259 303
Arsenic, GFAA	0.0082	mg/L	0.0018	0.0065	EPA 206.2	04/12/2001	1105 788
Barium, ICP	0.023	mg/L	0.0007	0.0025	SW 6010B	04/13/2001	1879 938
Beryllium, GFAA	<0.000017	mg/L	0.000017	0.000059	EPA 210.2	04/23/2001	1105 146
Boron, ICP	0.022	mg/L	0.017	0.054	SW 6010B	04/13/2001	750
Cadmium, GFAA	<0.000042	mg/L	0.000042	0.00015	EPA 213.2	04/19/2001	1105 900
Chromium, ICP	<0.0034	mg/L	0.0034	0.012	SW 6010B	04/13/2001	1879 751
Cobalt, ICP	<0.0036	mg/L	0.0036	0.013	SW 6010B	04/13/2001	1879 751
Copper, ICP	<0.013	mg/L	0.013	0.046	SW 6010B	04/13/2001	1879 845
Lead, GFAA	<0.0012	mg/L	0.0012	0.0044	EPA 239.2	04/16/2001	1105 2036
Mercury, CVAA	<0.000056	mg/L	0.000056	0.00020	EPA 245.1	04/20/2001	37 1689
Nickel, ICP	<0.0036	mg/L	0.0036	0.013	SW 6010B	04/13/2001	1879 757
Selenium, GFAA	<0.0015	mg/L	0.0015	0.0054	EPA 270.2	04/25/2001	1105 668
Silver, ICP	<0.0013	mg/L	0.0013	0.0047	SW 6010B	04/13/2001	1879 729
Thallium, GFAA	<0.0014	mg/L	0.0014	0.0048	EPA 279.2	04/24/2001	1105 309
Vanadium, ICP	<0.0025	mg/L	0.0025	0.0090	SW 6010B	04/13/2001	1879 724
VOC - AQUEOUS - EPA 8260B							
Misc VOC Compounds							
Dichlorodifluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/13/2001	2404
Tetrahydrofuran	<0.25	ug/L	0.25	0.83	SW 8260B	04/14/2001	618
Surr: Dibromofluoromethane	103.6	%		94-108	SW 8260B	04/14/2001	2404
Surr: Toluene-d8	102.0	%		90-104	SW 8260B	04/14/2001	2404
Surr: Bromofluorobenzene	103.6	%		94-107	SW 8260B	04/14/2001	2404

## ANALYTICAL REPORT

Mr. Steven Smith  
 BT2, INC.  
 2830 Dairy Drive  
 Madison, WI 53704-6751

05/01/2001  
 Job No: 01.02181  
 Sample No: 432370  
 Account No: 10100  
 Page 7 of 60

JOB DESCRIPTION: 1764 Stoughton City Landfill  
 PROJECT DESCRIPTION: Groundwater Analysis  
 SAMPLE DESCRIPTION: 00133860 MW13I 1764 Stoughton LF  
 Rec'd on ice

Date/Time Taken: 04/04/2001 08:45

Date Received: 04/05/2001

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
Antimony, GFAA	<0.0019	mg/L	0.0019	0.0067	EPA 204.2	04/30/2001	259 303
Arsenic, GFAA	<0.0018	mg/L	0.0018	0.0065	EPA 206.2	04/12/2001	1105 788
Barium, ICP	0.056	mg/L	0.0007	0.0025	SW 6010B	04/13/2001	1879 938
Beryllium, GFAA	<0.000017	mg/L	0.000017	0.000059	EPA 210.2	04/23/2001	1105 146
Boron, ICP	0.018	mg/L	0.017	0.054	SW 6010B	04/13/2001	750
Cadmium, GFAA	<0.000042	mg/L	0.000042	0.00015	EPA 213.2	04/19/2001	1105 900
Chromium, ICP	<0.0034	mg/L	0.0034	0.012	SW 6010B	04/13/2001	1879 751
Cobalt, ICP	<0.0036	mg/L	0.0036	0.013	SW 6010B	04/13/2001	1879 751
Copper, ICP	<0.013	mg/L	0.013	0.046	SW 6010B	04/13/2001	1879 845
Lead, GFAA	<0.0012	mg/L	0.0012	0.0044	EPA 239.2	04/16/2001	1105 2036
Mercury, CVAA	<0.000056	mg/L	0.000056	0.00020	EPA 245.1	04/20/2001	37 1689
Nickel, ICP	<0.0036	mg/L	0.0036	0.013	SW 6010B	04/13/2001	1879 757
Selenium, GFAA	<0.0015	mg/L	0.0015	0.0054	EPA 270.2	04/25/2001	1105 668
Silver, ICP	<0.0013	mg/L	0.0013	0.0047	SW 6010B	04/13/2001	1879 729
Thallium, GFAA	<0.0014	mg/L	0.0014	0.0048	EPA 279.2	04/24/2001	1105 309
Vanadium, ICP	<0.0025	mg/L	0.0025	0.0090	SW 6010B	04/13/2001	1879 724
VOC - AQUEOUS - EPA 8260B							
Misc VOC Compounds							
Dichlorodifluoromethane	2.0	ug/L	0.25	0.83	SW 8260B	04/13/2001	2404
Tetrahydrofuran	22	ug/L	0.25	0.83	SW 8260B	04/14/2001	618
Surr: Dibromofluoromethane	102.6	%		94-108	SW 8260B	04/14/2001	2404
Surr: Toluene-d8	101.4	%		90-104	SW 8260B	04/14/2001	2404
Surr: Bromofluorobenzene	103.6	%		94-107	SW 8260B	04/14/2001	2404



## ANALYTICAL REPORT

Mr. Steven Smith  
 BT2, INC.  
 2830 Dairy Drive  
 Madison, WI 53704-6751

05/01/2001  
 Job No: 01.02181  
 Sample No: 432371  
 Account No: 10100  
 Page 8 of 60

JOB DESCRIPTION: 1764 Stoughton City Landfill  
 PROJECT DESCRIPTION: Groundwater Analysis  
 SAMPLE DESCRIPTION: 00133853 MW9S 1764 Stoughton LF  
 Rec'd on ice

Date/Time Taken: 04/04/2001 10:00

Date Received: 04/05/2001

Parameter	Results	Units	MDL	LOQ	Method	Date	Prep/Run
						Analyzed	Batch
Antimony, GFAA	<0.0019	mg/L	0.0019	0.0067	EPA 204.2	04/30/2001	259 303
Arsenic, GFAA	<0.0018	mg/L	0.0018	0.0065	EPA 206.2	04/12/2001	1105 788
Barium, ICP	0.034	mg/L	0.0007	0.0025	SW 6010B	04/13/2001	1879 938
Beryllium, GFAA	<0.000017	mg/L	0.000017	0.000059	EPA 210.2	04/23/2001	1105 146
Boron, ICP	0.12	mg/L	0.017	0.054	SW 6010B	04/12/2001	751
Cadmium, GFAA	0.00035	mg/L	0.000042	0.00015	EPA 213.2	04/19/2001	1105 900
Chromium, ICP	0.010	mg/L	0.0034	0.012	SW 6010B	04/13/2001	1879 751
Cobalt, ICP	0.0056	mg/L	0.0036	0.013	SW 6010B	04/13/2001	1879 751
Copper, ICP	<0.013	mg/L	0.013	0.046	SW 6010B	04/13/2001	1879 845
Lead, GFAA	<0.0012	mg/L	0.0012	0.0044	EPA 239.2	04/16/2001	1105 2036
Mercury, CVAA	0.000062	mg/L	0.000056	0.00020	EPA 245.1	04/20/2001	37 1689
Nickel, ICP	0.014	mg/L	0.0036	0.013	SW 6010B	04/13/2001	1879 757
Selenium, GFAA	<0.0015	mg/L	0.0015	0.0054	EPA 270.2	04/25/2001	1105 668
Silver, ICP	<0.0013	mg/L	0.0013	0.0047	SW 6010B	04/13/2001	1879 729
Thallium, GFAA	<0.0014	mg/L	0.0014	0.0048	EPA 279.2	04/24/2001	1105 309
Vanadium, ICP	0.0035	mg/L	0.0025	0.0090	SW 6010B	04/13/2001	1879 724
VOC - AQUEOUS - EPA 8260B							
Misc VOC Compounds							
Benzene	<1.0	ug/L	0.10	0.33	SW 8260B	04/15/2001	2405
Bromobenzene	<2.5	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
Bromochloromethane	<2.5	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
Bromodichloromethane	<2.5	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
Bromoform	<2.5	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
Bromomethane	<2.5	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
n-Butylbenzene	<2.5	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
sec-Butylbenzene	<2.5	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
tert-Butylbenzene	<2.5	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
Carbon Tetrachloride	<2.5	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
Chlorobenzene	<2.5	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
Chlorodibromomethane	<2.5	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
Chloroethane	<2.5	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
Chloroform	<2.5	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
Chloromethane	<2.5	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
2-Chlorotoluene	<1.0	ug/L	0.10	0.33	SW 8260B	04/15/2001	2405
4-Chlorotoluene	<2.5	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
1,2-Dibromo-3-Chloropropane	<2.5	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
1,2-Dibromoethane (EDB)	<2.5	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
Dibromomethane	<2.5	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
1,2-Dichlorobenzene	<2.5	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405

## ANALYTICAL REPORT

Mr. Steven Smith  
 BT2, INC.  
 2830 Dairy Drive  
 Madison, WI 53704-6751

05/01/2001  
 Job No: 01.02181  
 Sample No: 432371  
 Account No: 10100  
 Page 9 of 60

JOB DESCRIPTION: 1764 Stoughton City Landfill  
 PROJECT DESCRIPTION: Groundwater Analysis  
 SAMPLE DESCRIPTION: 00133853 MW9S 1764 Stoughton LF  
 Rec'd on ice

Date/Time Taken: 04/04/2001 10:00

Date Received: 04/05/2001

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
1,3-Dichlorobenzene	<2.5	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
1,4-Dichlorobenzene	<2.5	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
Dichlorodifluoromethane	160	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
1,1-Dichloroethane	<2.5	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
1,2-Dichloroethane	<2.5	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
1,1-Dichloroethene	<2.5	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
cis-1,2-Dichloroethene	<2.5	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
trans-1,2-Dichloroethene	<2.5	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
1,2-Dichloropropane	<2.5	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
1,3-Dichloropropane	<2.5	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
2,2-Dichloropropane	<2.5	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
1,1-Dichloropropene	<2.5	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
cis-1,3-Dichloropropene	<2.5	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
trans-1,3-Dichloropropene	<2.5	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
Di-isopropyl ether	<2.5	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
Ethylbenzene	<2.5	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
Hexachlorobutadiene	<2.5	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
Isopropylbenzene	<2.5	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
p-Isopropyltoluene	<2.5	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
Methylene Chloride	<2.5	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
Methyl-t-butyl ether	<2.5	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
Naphthalene	<2.5	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
n-Propylbenzene	<2.5	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
Styrene	<2.5	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
1,1,1,2-Tetrachloroethane	<2.5	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
1,1,2,2-Tetrachloroethane	<2.5	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
Tetrachloroethene	<2.5	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
Tetrahydrofuran	<2.5	ug/L	0.25	0.83	SW 8260B	04/15/2001	619
Toluene	<1.0	ug/L	0.10	0.33	SW 8260B	04/15/2001	2405
1,2,3-Trichlorobenzene	<2.5	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
1,2,4-Trichlorobenzene	<2.5	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
1,1,1-Trichloroethane	<2.5	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
1,1,2-Trichloroethane	<2.5	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
Trichloroethene	<2.5	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
Trichlorofluoromethane	<2.5	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
1,2,3-Trichloropropane	<2.5	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
1,2,4-Trimethylbenzene	<1.0	ug/L	0.10	0.33	SW 8260B	04/15/2001	2405
1,3,5-Trimethylbenzene	<1.0	ug/L	0.10	0.33	SW 8260B	04/15/2001	2405
Vinyl Chloride	<2.5	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405

## ANALYTICAL REPORT

Mr. Steven Smith  
BT2, INC.  
2830 Dairy Drive  
Madison, WI 53704-6751

05/01/2001  
Job No: 01.02181  
Sample No: 432371  
Account No: 10100  
Page 10 of 60

JOB DESCRIPTION: 1764 Stoughton City Landfill  
PROJECT DESCRIPTION: Groundwater Analysis  
SAMPLE DESCRIPTION: 00133853 MW9S 1764 Stoughton LF  
Rec'd on ice

Date/Time Taken: 04/04/2001 10:00

Date Received: 04/05/2001

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
Xylenes, Total	<2.5	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
Surr: Dibromofluoromethane	102.4	%		94-108	SW 8260B	04/15/2001	2405
Surr: Toluene-d8	98.6	%		90-104	SW 8260B	04/15/2001	2405
Surr: Bromofluorobenzene	97.6	%		94-107	SW 8260B	04/15/2001	2405

## ANALYTICAL REPORT

Mr. Steven Smith  
 BT2, INC.  
 2830 Dairy Drive  
 Madison, WI 53704-6751

05/01/2001  
 Job No: 01.02181  
 Sample No: 432372  
 Account No: 10100  
 Page 11 of 60

JOB DESCRIPTION: 1764 Stoughton City Landfill  
 PROJECT DESCRIPTION: Groundwater Analysis  
 SAMPLE DESCRIPTION: 00133854 MW9I 1764 Stoughton LF  
 Rec'd on ice

Date/Time Taken: 04/04/2001 10:20 Date Received: 04/05/2001

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
Antimony, GFAA	<0.0019	mg/L	0.0019	0.0067	EPA 204.2	04/30/2001	259 303
Arsenic, GFAA	<0.0018	mg/L	0.0018	0.0065	EPA 206.2	04/12/2001	1105 788
Barium, ICP	0.042	mg/L	0.0007	0.0025	SW 6010B	04/13/2001	1879 938
Beryllium, GFAA	<0.000017	mg/L	0.000017	0.000059	EPA 210.2	04/23/2001	1105 146
Boron, ICP	0.064	mg/L	0.017	0.054	SW 6010B	04/12/2001	751
Cadmium, GFAA	<0.000042	mg/L	0.000042	0.00015	EPA 213.2	04/19/2001	1105 900
Chromium, ICP	<0.0034	mg/L	0.0034	0.012	SW 6010B	04/13/2001	1879 751
Cobalt, ICP	0.0089	mg/L	0.0036	0.013	SW 6010B	04/13/2001	1879 751
Copper, ICP	<0.013	mg/L	0.013	0.046	SW 6010B	04/13/2001	1879 845
Lead, GFAA	<0.0012	mg/L	0.0012	0.0044	EPA 239.2	04/16/2001	1105 2036
Mercury, CVAA	<0.000056	mg/L	0.000056	0.00020	EPA 245.1	04/20/2001	37 1689
Nickel, ICP	0.0036	mg/L	0.0036	0.013	SW 6010B	04/13/2001	1879 757
Selenium, GFAA	<0.0015	mg/L	0.0015	0.0054	EPA 270.2	04/25/2001	1105 668
Silver, ICP	<0.0013	mg/L	0.0013	0.0047	SW 6010B	04/13/2001	1879 729
Thallium, GFAA	<0.0014	mg/L	0.0014	0.0048	EPA 279.2	04/24/2001	1105 309
Vanadium, ICP	0.0025	mg/L	0.0025	0.0090	SW 6010B	04/13/2001	1879 724
VOC - AQUEOUS - EPA 8260B							
Misc VOC Compounds							
Benzene	<0.50	ug/L	0.10	0.33	SW 8260B	04/15/2001	2405
Bromobenzene	<1.2	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
Bromochloromethane	<1.2	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
Bromodichloromethane	<1.2	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
Bromoform	<1.2	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
Bromomethane	<1.2	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
n-Butylbenzene	<1.2	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
sec-Butylbenzene	<1.2	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
tert-Butylbenzene	<1.2	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
Carbon Tetrachloride	<1.2	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
Chlorobenzene	<1.2	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
Chlorodibromomethane	<1.2	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
Chloroethane	<1.2	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
Chloroform	<1.2	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
Chloromethane	<1.2	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
2-Chlorotoluene	<0.50	ug/L	0.10	0.33	SW 8260B	04/15/2001	2405
4-Chlorotoluene	<1.2	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
1,2-Dibromo-3-Chloropropane	<1.2	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
1,2-Dibromoethane (EDB)	<1.2	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
Dibromomethane	<1.2	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
1,2-Dichlorobenzene	<1.2	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405

## ANALYTICAL REPORT

Mr. Steven Smith  
 BT2, INC.  
 2830 Dairy Drive  
 Madison, WI 53704-6751

05/01/2001  
 Job No: 01.02181  
 Sample No: 432372  
 Account No: 10100  
 Page 12 of 60

JOB DESCRIPTION: 1764 Stoughton City Landfill  
 PROJECT DESCRIPTION: Groundwater Analysis  
 SAMPLE DESCRIPTION: 00133854 MW9I 1764 Stoughton LF  
 Rec'd on ice

Date/Time Taken: 04/04/2001 10:20

Date Received: 04/05/2001

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
1,3-Dichlorobenzene	<1.2	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
1,4-Dichlorobenzene	<1.2	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
Dichlorodifluoromethane	120	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
1,1-Dichloroethane	<1.2	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
1,2-Dichloroethane	<1.2	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
1,1-Dichloroethene	<1.2	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
cis-1,2-Dichloroethene	<1.2	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
trans-1,2-Dichloroethene	<1.2	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
1,2-Dichloropropane	<1.2	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
1,3-Dichloropropane	<1.2	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
2,2-Dichloropropane	<1.2	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
1,1-Dichloropropene	<1.2	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
cis-1,3-Dichloropropene	<1.2	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
trans-1,3-Dichloropropene	<1.2	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
Di-isopropyl ether	<1.2	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
Ethylbenzene	<1.2	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
Hexachlorobutadiene	<1.2	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
Isopropylbenzene	<1.2	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
p-Isopropyltoluene	<1.2	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
Methylene Chloride	L 1.4	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
Methyl-t-butyl ether	<1.2	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
Naphthalene	<1.2	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
n-Propylbenzene	<1.2	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
Styrene	<1.2	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
1,1,1,2-Tetrachloroethane	<1.2	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
1,1,2,2-Tetrachloroethane	<1.2	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
Tetrachloroethene	<1.2	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
Tetrahydrofuran	<1.2	ug/L	0.25	0.83	SW 8260B	04/15/2001	619
Toluene	<0.50	ug/L	0.10	0.33	SW 8260B	04/15/2001	2405
1,2,3-Trichlorobenzene	<1.2	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
1,2,4-Trichlorobenzene	<1.2	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
1,1,1-Trichloroethane	<1.2	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
1,1,2-Trichloroethane	<1.2	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
Trichloroethene	<1.2	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
Trichlorofluoromethane	4.6	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
1,2,3-Trichloropropane	<1.2	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
1,2,4-Trimethylbenzene	<0.50	ug/L	0.10	0.33	SW 8260B	04/15/2001	2405
1,3,5-Trimethylbenzene	<0.50	ug/L	0.10	0.33	SW 8260B	04/15/2001	2405
Vinyl Chloride	<1.2	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405

## ANALYTICAL REPORT

Mr. Steven Smith  
BT2, INC.  
2830 Dairy Drive  
Madison, WI 53704-6751

05/01/2001  
Job No: 01.02181  
Sample No: 432372  
Account No: 10100  
Page 13 of 60

JOB DESCRIPTION: 1764 Stoughton City Landfill  
PROJECT DESCRIPTION: Groundwater Analysis  
SAMPLE DESCRIPTION: 00133854 MW9I 1764 Stoughton LF  
Rec'd on ice

Date/Time Taken: 04/04/2001 10:20

Date Received: 04/05/2001

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
Xylenes, Total	<1.2	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
Surr: Dibromofluoromethane	103.4	%		94-108	SW 8260B	04/15/2001	2405
Surr: Toluene-d8	98.4	%		90-104	SW 8260B	04/15/2001	2405
Surr: Bromofluorobenzene	98.4	%		94-107	SW 8260B	04/15/2001	2405

## ANALYTICAL REPORT

Mr. Steven Smith  
 BT2, INC.  
 2830 Dairy Drive  
 Madison, WI 53704-6751

05/01/2001  
 Job No: 01.02181  
 Sample No: 432373  
 Account No: 10100  
 Page 14 of 60

JOB DESCRIPTION: 1764 Stoughton City Landfill  
 PROJECT DESCRIPTION: Groundwater Analysis  
 SAMPLE DESCRIPTION: 00133855 MW9B 1764 Stoughton LF  
 Rec'd on ice

Date/Time Taken: 04/04/2001 10:55      Date Received: 04/05/2001

Parameter	Results	Units	MDL	LOQ	Method	Date	
						Analyzed	Prep/Run Batch
Antimony, GFAA	<0.0019	mg/L	0.0019	0.0067	EPA 204.2	04/30/2001	259 303
Arsenic, GFAA	<0.0018	mg/L	0.0018	0.0065	EPA 206.2	04/12/2001	1105 788
Barium, ICP	0.025	mg/L	0.0007	0.0025	SW 6010B	04/13/2001	1879 938
Beryllium, GFAA	<0.000017	mg/L	0.000017	0.000059	EPA 210.2	04/23/2001	1105 146
Boron, ICP	<0.017	mg/L	0.017	0.054	SW 6010B	04/12/2001	751
Cadmium, GFAA	<0.000042	mg/L	0.000042	0.00015	EPA 213.2	04/19/2001	1105 900
Chromium, ICP	0.0044	mg/L	0.0034	0.012	SW 6010B	04/13/2001	1879 751
Cobalt, ICP	<0.0036	mg/L	0.0036	0.013	SW 6010B	04/13/2001	1879 751
Copper, ICP	<0.013	mg/L	0.013	0.046	SW 6010B	04/13/2001	1879 845
Lead, GFAA	<0.0012	mg/L	0.0012	0.0044	EPA 239.2	04/16/2001	1105 2036
Mercury, CVAA	<0.000056	mg/L	0.000056	0.00020	EPA 245.1	04/20/2001	37 1689
Nickel, ICP	<0.0036	mg/L	0.0036	0.013	SW 6010B	04/13/2001	1879 757
Selenium, GFAA	<0.0015	mg/L	0.0015	0.0054	EPA 270.2	04/25/2001	1105 668
Silver, ICP	<0.0013	mg/L	0.0013	0.0047	SW 6010B	04/13/2001	1879 729
Thallium, GFAA	<0.0014	mg/L	0.0014	0.0048	EPA 279.2	04/24/2001	1105 309
Vanadium, ICP	<0.0025	mg/L	0.0025	0.0090	SW 6010B	04/13/2001	1879 724
VOC - AQUEOUS - EPA 8260B							
Misc VOC Compounds							
Benzene	<0.10	ug/L	0.10	0.33	SW 8260B	04/15/2001	2407
Bromobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
Bromochloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
Bromodichloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
Bromoform	<0.25	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
Bromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
n-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
sec-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
tert-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
Carbon Tetrachloride	<0.25	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
Chlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
Chlorodibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
Chloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
Chloroform	<0.25	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
Chloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
2-Chlorotoluene	<0.10	ug/L	0.10	0.33	SW 8260B	04/15/2001	2407
4-Chlorotoluene	<0.25	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
1,2-Dibromo-3-Chloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
1,2-Dibromoethane (EDB)	<0.25	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
Dibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
1,2-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407

## ANALYTICAL REPORT

Mr. Steven Smith  
 BT2, INC.  
 2830 Dairy Drive  
 Madison, WI 53704-6751

05/01/2001  
 Job No: 01.02181  
 Sample No: 432373  
 Account No: 10100  
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JOB DESCRIPTION: 1764 Stoughton City Landfill  
 PROJECT DESCRIPTION: Groundwater Analysis  
 SAMPLE DESCRIPTION: 00133855 MW9B 1764 Stoughton LF  
 Rec'd on ice

Date/Time Taken: 04/04/2001 10:55      Date Received: 04/05/2001

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
1,3-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
1,4-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
Dichlorodifluoromethane	6.1	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
1,1-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
1,2-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
1,1-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
cis-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
trans-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
1,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
1,3-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
2,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
1,1-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
cis-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
trans-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
Di-isopropyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
Ethylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
Hexachlorobutadiene	<0.25	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
Isopropylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
p-Isopropyltoluene	<0.25	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
Methylene Chloride	L 0.32	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
Methyl-t-butyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
Naphthalene	<0.25	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
n-Propylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
Styrene	<0.25	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
1,1,1,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
1,1,1,2,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
Tetrachloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
Tetrahydrofuran	<0.25	ug/L	0.25	0.83	SW 8260B	04/15/2001	621
Toluene	<0.10	ug/L	0.10	0.33	SW 8260B	04/15/2001	2407
1,2,3-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
1,2,4-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
1,1,1-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
1,1,2-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
Trichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
Trichlorofluoromethane	4.1	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
1,2,3-Trichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
1,2,4-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	04/15/2001	2407
1,3,5-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	04/15/2001	2407
Vinyl Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407



## ANALYTICAL REPORT

Mr. Steven Smith  
BT2, INC.  
2830 Dairy Drive  
Madison, WI 53704-6751

05/01/2001  
Job No: 01.02181  
Sample No: 432373  
Account No: 10100  
Page 16 of 60

JOB DESCRIPTION: 1764 Stoughton City Landfill  
PROJECT DESCRIPTION: Groundwater Analysis  
SAMPLE DESCRIPTION: 00133855 MW9B 1764 Stoughton LF  
Rec'd on ice

Date/Time Taken: 04/04/2001 10:55

Date Received: 04/05/2001

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
Xylenes, Total	<0.25	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
Surr: Dibromofluoromethane	102.2	%		94-108	SW 8260B	04/15/2001	2407
Surr: Toluene-d8	98.4	%		90-104	SW 8260B	04/15/2001	2407
Surr: Bromofluorobenzene	97.4	%		94-107	SW 8260B	04/15/2001	2407

## ANALYTICAL REPORT

Mr. Steven Smith  
 BT2, INC.  
 2830 Dairy Drive  
 Madison, WI 53704-6751

05/01/2001  
 Job No: 01.02181  
 Sample No: 432374  
 Account No: 10100  
 Page 17 of 60

JOB DESCRIPTION: 1764 Stoughton City Landfill  
 PROJECT DESCRIPTION: Groundwater Analysis  
 SAMPLE DESCRIPTION: 00133862 MW14S 1764 Stoughton LF  
 Rec'd on ice

Date/Time Taken: 04/04/2001 11:15

Date Received: 04/05/2001

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
Antimony, GFAA	<0.0019	mg/L	0.0019	0.0067	EPA 204.2	04/30/2001	259 303
Arsenic, GFAA	<0.0018	mg/L	0.0018	0.0065	EPA 206.2	04/12/2001	1105 788
Barium, ICP	0.060	mg/L	0.0007	0.0025	SW 6010B	04/13/2001	1879 938
Beryllium, GFAA	0.000065	mg/L	0.000017	0.000059	EPA 210.2	04/23/2001	1105 146
Boron, ICP	0.037	mg/L	0.017	0.054	SW 6010B	04/12/2001	751
Cadmium, GFAA	<0.000042	mg/L	0.000042	0.00015	EPA 213.2	04/19/2001	1105 900
Chromium, ICP	0.071	mg/L	0.0034	0.012	SW 6010B	04/13/2001	1879 751
Cobalt, ICP	0.0096	mg/L	0.0036	0.013	SW 6010B	04/13/2001	1879 751
Copper, ICP	<0.013	mg/L	0.013	0.046	SW 6010B	04/13/2001	1879 845
Lead, GFAA	0.0017	mg/L	0.0012	0.0044	EPA 239.2	04/16/2001	1105 2036
Mercury, CVAA	<0.000056	mg/L	0.000056	0.00020	EPA 245.1	04/20/2001	37 1689
Nickel, ICP	0.065	mg/L	0.0036	0.013	SW 6010B	04/13/2001	1879 757
Selenium, GFAA	<0.0015	mg/L	0.0015	0.0054	EPA 270.2	04/25/2001	1105 668
Silver, ICP	<0.0013	mg/L	0.0013	0.0047	SW 6010B	04/13/2001	1879 729
Thallium, GFAA	<0.0014	mg/L	0.0014	0.0048	EPA 279.2	04/24/2001	1105 309
Vanadium, ICP	0.0082	mg/L	0.0025	0.0090	SW 6010B	04/13/2001	1879 724
VOC - AQUEOUS - EPA 8260B							
Misc VOC Compounds							
Benzene	<1.0	ug/L	0.10	0.33	SW 8260B	04/15/2001	2405
Bromobenzene	<2.5	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
Bromochloromethane	<2.5	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
Bromodichloromethane	<2.5	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
Bromoform	<2.5	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
Bromomethane	<2.5	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
n-Butylbenzene	<2.5	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
sec-Butylbenzene	<2.5	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
tert-Butylbenzene	<2.5	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
Carbon Tetrachloride	<2.5	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
Chlorobenzene	<2.5	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
Chlorodibromomethane	<2.5	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
Chloroethane	<2.5	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
Chloroform	<2.5	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
Chloromethane	<2.5	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
2-Chlorotoluene	<1.0	ug/L	0.10	0.33	SW 8260B	04/15/2001	2405
4-Chlorotoluene	<2.5	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
1,2-Dibromo-3-Chloropropane	<2.5	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
1,2-Dibromoethane (EDB)	<2.5	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
Dibromomethane	<2.5	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
1,2-Dichlorobenzene	<2.5	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405

## ANALYTICAL REPORT

Mr. Steven Smith  
 BT2, INC.  
 2830 Dairy Drive  
 Madison, WI 53704-6751

05/01/2001  
 Job No: 01.02181  
 Sample No: 432374  
 Account No: 10100  
 Page 18 of 60

JOB DESCRIPTION: 1764 Stoughton City Landfill  
 PROJECT DESCRIPTION: Groundwater Analysis  
 SAMPLE DESCRIPTION: 00133862 MW14S 1764 Stoughton LF  
 Rec'd on ice

Date/Time Taken: 04/04/2001 11:15 Date Received: 04/05/2001

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
1,3-Dichlorobenzene	<2.5	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
1,4-Dichlorobenzene	<2.5	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
Dichlorodifluoromethane	180	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
1,1-Dichloroethane	<2.5	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
1,2-Dichloroethane	<2.5	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
1,1-Dichloroethene	<2.5	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
cis-1,2-Dichloroethene	<2.5	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
trans-1,2-Dichloroethene	<2.5	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
1,2-Dichloropropane	<2.5	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
1,3-Dichloropropane	<2.5	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
2,2-Dichloropropane	<2.5	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
1,1-Dichloropropene	<2.5	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
cis-1,3-Dichloropropene	<2.5	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
trans-1,3-Dichloropropene	<2.5	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
Di-isopropyl ether	<2.5	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
Ethylbenzene	<2.5	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
Hexachlorobutadiene	<2.5	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
Isopropylbenzene	<2.5	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
p-Isopropyltoluene	<2.5	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
Methylene Chloride	<2.5	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
Methyl-t-butyl ether	<2.5	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
Naphthalene	<2.5	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
n-Propylbenzene	<2.5	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
Styrene	<2.5	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
1,1,1,2-Tetrachloroethane	<2.5	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
1,1,2,2-Tetrachloroethane	<2.5	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
Tetrachloroethene	5.1	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
Tetrahydrofuran	<2.5	ug/L	0.25	0.83	SW 8260B	04/15/2001	619
Toluene	<1.0	ug/L	0.10	0.33	SW 8260B	04/15/2001	2405
1,2,3-Trichlorobenzene	<2.5	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
1,2,4-Trichlorobenzene	<2.5	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
1,1,1-Trichloroethane	<2.5	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
1,1,2-Trichloroethane	<2.5	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
Trichloroethene	4.1	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
Trichlorofluoromethane	<2.5	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
1,2,3-Trichloropropane	<2.5	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
1,2,4-Trimethylbenzene	<1.0	ug/L	0.10	0.33	SW 8260B	04/15/2001	2405
1,3,5-Trimethylbenzene	<1.0	ug/L	0.10	0.33	SW 8260B	04/15/2001	2405
Vinyl Chloride	<2.5	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405

## ANALYTICAL REPORT

Mr. Steven Smith  
BT2, INC.  
2830 Dairy Drive  
Madison, WI 53704-6751

05/01/2001  
Job No: 01.02181  
Sample No: 432374  
Account No: 10100  
Page 19 of 60

JOB DESCRIPTION: 1764 Stoughton City Landfill  
PROJECT DESCRIPTION: Groundwater Analysis  
SAMPLE DESCRIPTION: 00133862 MW14S 1764 Stoughton LF  
Rec'd on ice

Date/Time Taken: 04/04/2001 11:15

Date Received: 04/05/2001

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
Xylenes, Total	<2.5	ug/L	0.25	0.83	SW 8260B	04/15/2001	2405
Surr: Dibromofluoromethane	103.0	%		94-108	SW 8260B	04/15/2001	2405
Surr: Toluene-d8	100.4	%		90-104	SW 8260B	04/15/2001	2405
Surr: Bromofluorobenzene	97.0	%		94-107	SW 8260B	04/15/2001	2405

## ANALYTICAL REPORT

Mr. Steven Smith  
 BT2, INC.  
 2830 Dairy Drive  
 Madison, WI 53704-6751

05/01/2001  
 Job No: 01.02181  
 Sample No: 432375  
 Account No: 10100  
 Page 20 of 60

JOB DESCRIPTION: 1764 Stoughton City Landfill  
 PROJECT DESCRIPTION: Groundwater Analysis  
 SAMPLE DESCRIPTION: 00133863 MW14I 1764 Stoughton LF  
 Rec'd on ice

Date/Time Taken: 04/04/2001 11:25      Date Received: 04/05/2001

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
Antimony, GFAA	<0.0019	mg/L	0.0019	0.0067	EPA 204.2	04/30/2001	259 303
Arsenic, GFAA	<0.0018	mg/L	0.0018	0.0065	EPA 206.2	04/12/2001	1105 788
Barium, ICP	0.060	mg/L	0.0007	0.0025	SW 6010B	04/13/2001	1879 938
Beryllium, GFAA	<0.000017	mg/L	0.000017	0.000059	EPA 210.2	04/23/2001	1105 146
Boron, ICP	0.070	mg/L	0.017	0.054	SW 6010B	04/12/2001	751
Cadmium, GFAA	<0.000042	mg/L	0.000042	0.00015	EPA 213.2	04/19/2001	1105 900
Chromium, ICP	<0.0034	mg/L	0.0034	0.012	SW 6010B	04/13/2001	1879 751
Cobalt, ICP	<0.0036	mg/L	0.0036	0.013	SW 6010B	04/13/2001	1879 751
Copper, ICP	<0.013	mg/L	0.013	0.046	SW 6010B	04/13/2001	1879 845
Lead, GFAA	<0.0012	mg/L	0.0012	0.0044	EPA 239.2	04/18/2001	1105 2037
Mercury, CVAA	<0.000056	mg/L	0.000056	0.00020	EPA 245.1	04/20/2001	37 1689
Nickel, ICP	0.0039	mg/L	0.0036	0.013	SW 6010B	04/13/2001	1879 757
Selenium, GFAA	<0.0015	mg/L	0.0015	0.0054	EPA 270.2	04/25/2001	1105 668
Silver, ICP	<0.0013	mg/L	0.0013	0.0047	SW 6010B	04/13/2001	1879 729
Thallium, GFAA	<0.0014	mg/L	0.0014	0.0048	EPA 279.2	04/24/2001	1105 309
Vanadium, ICP	<0.0025	mg/L	0.0025	0.0090	SW 6010B	04/13/2001	1879 724
VOC - AQUEOUS - EPA 8260B							
Misc VOC Compounds							
Benzene	<0.50	ug/L	0.10	0.33	SW 8260B	04/15/2001	2407
Bromobenzene	<1.2	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
Bromochloromethane	<1.2	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
Bromodichloromethane	<1.2	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
Bromoform	<1.2	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
Bromomethane	<1.2	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
n-Butylbenzene	<1.2	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
sec-Butylbenzene	<1.2	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
tert-Butylbenzene	<1.2	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
Carbon Tetrachloride	<1.2	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
Chlorobenzene	<1.2	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
Chlorodibromomethane	<1.2	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
Chloroethane	<1.2	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
Chloroform	<1.2	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
Chloromethane	<1.2	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
2-Chlorotoluene	<0.50	ug/L	0.10	0.33	SW 8260B	04/15/2001	2407
4-Chlorotoluene	<1.2	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
1,2-Dibromo-3-Chloropropane	<1.2	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
1,2-Dibromoethane (EDB)	<1.2	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
Dibromomethane	<1.2	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
1,2-Dichlorobenzene	<1.2	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407

## ANALYTICAL REPORT

Mr. Steven Smith  
 BT2, INC.  
 2830 Dairy Drive  
 Madison, WI 53704-6751

05/01/2001  
 Job No: 01.02181  
 Sample No: 432375  
 Account No: 10100  
 Page 21 of 60

JOB DESCRIPTION: 1764 Stoughton City Landfill  
 PROJECT DESCRIPTION: Groundwater Analysis  
 SAMPLE DESCRIPTION: 00133863 MW14I 1764 Stoughton LF  
 Rec'd on ice

Date/Time Taken: 04/04/2001 11:25

Date Received: 04/05/2001

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
1,3-Dichlorobenzene	<1.2	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
1,4-Dichlorobenzene	<1.2	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
Dichlorodifluoromethane	120	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
1,1-Dichloroethane	<1.2	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
1,2-Dichloroethane	<1.2	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
1,1-Dichloroethene	<1.2	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
cis-1,2-Dichloroethene	<1.2	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
trans-1,2-Dichloroethene	<1.2	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
1,2-Dichloropropane	<1.2	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
1,3-Dichloropropane	<1.2	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
2,2-Dichloropropane	<1.2	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
1,1-Dichloropropene	<1.2	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
cis-1,3-Dichloropropene	<1.2	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
trans-1,3-Dichloropropene	<1.2	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
Di-isopropyl ether	<1.2	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
Ethylbenzene	<1.2	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
Hexachlorobutadiene	<1.2	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
Isopropylbenzene	<1.2	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
p-Isopropyltoluene	<1.2	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
Methylene Chloride	<1.2	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
Methyl-t-butyl ether	<1.2	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
Naphthalene	<1.2	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
n-Propylbenzene	<1.2	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
Styrene	<1.2	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
1,1,1,2-Tetrachloroethane	<1.2	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
1,1,2,2-Tetrachloroethane	<1.2	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
Tetrachloroethene	<1.2	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
Tetrahydrofuran	<1.2	ug/L	0.25	0.83	SW 8260B	04/15/2001	621
Toluene	<0.50	ug/L	0.10	0.33	SW 8260B	04/15/2001	2407
1,2,3-Trichlorobenzene	<1.2	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
1,2,4-Trichlorobenzene	<1.2	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
1,1,1-Trichloroethane	<1.2	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
1,1,2-Trichloroethane	<1.2	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
Trichloroethene	3.6	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
Trichlorofluoromethane	<1.2	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
1,2,3-Trichloropropane	<1.2	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
1,2,4-Trimethylbenzene	<0.50	ug/L	0.10	0.33	SW 8260B	04/15/2001	2407
1,3,5-Trimethylbenzene	<0.50	ug/L	0.10	0.33	SW 8260B	04/15/2001	2407
Vinyl Chloride	<1.2	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407

## ANALYTICAL REPORT

Mr. Steven Smith  
BT2, INC.  
2830 Dairy Drive  
Madison, WI 53704-6751

05/01/2001  
Job No: 01.02181  
Sample No: 432375  
Account No: 10100  
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JOB DESCRIPTION: 1764 Stoughton City Landfill  
PROJECT DESCRIPTION: Groundwater Analysis  
SAMPLE DESCRIPTION: 00133863 MW14I 1764 Stoughton LF  
Rec'd on ice

Date/Time Taken: 04/04/2001 11:25

Date Received: 04/05/2001

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
Xylenes, Total	<1.2	ug/L	0.25	0.83	SW 8260B	04/15/2001	2407
Surr: Dibromofluoromethane	102.6	%		94-108	SW 8260B	04/15/2001	2407
Surr: Toluene-d8	98.6	%		90-104	SW 8260B	04/15/2001	2407
Surr: Bromofluorobenzene	98.4	%		94-107	SW 8260B	04/15/2001	2407

## ANALYTICAL REPORT

Mr. Steven Smith  
 BT2, INC.  
 2830 Dairy Drive  
 Madison, WI 53704-6751

05/01/2001  
 Job No: 01.02181  
 Sample No: 432376  
 Account No: 10100  
 Page 23 of 60

JOB DESCRIPTION: 1764 Stoughton City Landfill  
 PROJECT DESCRIPTION: Groundwater Analysis  
 SAMPLE DESCRIPTION: 00133864 MW14D 1764 Stoughton LF  
 Rec'd on ice

Date/Time Taken: 04/04/2001 11:55      Date Received: 04/05/2001

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
Antimony, GFAA	<0.0019	mg/L	0.0019	0.0067	EPA 204.2	05/01/2001	259 304
Arsenic, GFAA	<0.0018	mg/L	0.0018	0.0065	EPA 206.2	04/12/2001	1105 788
Barium, ICP	0.035	mg/L	0.0007	0.0025	SW 6010B	04/13/2001	1879 938
Beryllium, GFAA	<0.000017	mg/L	0.000017	0.000059	EPA 210.2	04/23/2001	1105 146
Boron, ICP	0.024	mg/L	0.017	0.054	SW 6010B	04/13/2001	750
Cadmium, GFAA	<0.000042	mg/L	0.000042	0.00015	EPA 213.2	04/19/2001	1105 900
Chromium, ICP	<0.0034	mg/L	0.0034	0.012	SW 6010B	04/13/2001	1879 751
Cobalt, ICP	<0.0036	mg/L	0.0036	0.013	SW 6010B	04/13/2001	1879 751
Copper, ICP	<0.013	mg/L	0.013	0.046	SW 6010B	04/13/2001	1879 845
Lead, GFAA	<0.0012	mg/L	0.0012	0.0044	EPA 239.2	04/18/2001	1105 2037
Mercury, CVAA	<0.000056	mg/L	0.000056	0.00020	EPA 245.1	04/20/2001	37 1689
Nickel, ICP	<0.0036	mg/L	0.0036	0.013	SW 6010B	04/13/2001	1879 757
Selenium, GFAA	<0.0015	mg/L	0.0015	0.0054	EPA 270.2	04/25/2001	1105 668
Silver, ICP	<0.0013	mg/L	0.0013	0.0047	SW 6010B	04/13/2001	1879 729
Thallium, GFAA	<0.0014	mg/L	0.0014	0.0048	EPA 279.2	04/24/2001	1105 309
Vanadium, ICP	<0.0025	mg/L	0.0025	0.0090	SW 6010B	04/13/2001	1879 724
VOC - AQUEOUS - EPA 8260B							
Misc VOC Compounds							
Dichlorodifluoromethane	1.5	ug/L	0.25	0.83	SW 8260B	04/13/2001	2404
Tetrahydrofuran	<0.25	ug/L	0.25	0.83	SW 8260B	04/15/2001	621
Surr: Dibromofluoromethane	101.2	%		94-108	SW 8260B	04/15/2001	2407
Surr: Toluene-d8	99.0	%		90-104	SW 8260B	04/15/2001	2407
Surr: Bromofluorobenzene	96.8	%		94-107	SW 8260B	04/15/2001	2407



## ANALYTICAL REPORT

Mr. Steven Smith  
 BT2, INC.  
 2830 Dairy Drive  
 Madison, WI 53704-6751

05/01/2001  
 Job No: 01.02181  
 Sample No: 432377  
 Account No: 10100  
 Page 24 of 60

JOB DESCRIPTION: 1764 Stoughton City Landfill  
 PROJECT DESCRIPTION: Groundwater Analysis  
 SAMPLE DESCRIPTION: 00133850 MW8S 1764 Stoughton LF  
 Rec'd on ice

Date/Time Taken: 04/04/2001 14:25

Date Received: 04/05/2001

Parameter	Results	Units	MDL	LOQ	Method	Date	
						Analyzed	Prep/Run Batch
Antimony, GFAA	<0.0019	mg/L	0.0019	0.0067	EPA 204.2	05/01/2001	259 304
Arsenic, GFAA	<0.0018	mg/L	0.0018	0.0065	EPA 206.2	04/12/2001	1105 788
Barium, ICP	0.021	mg/L	0.0007	0.0025	SW 6010B	04/13/2001	1879 938
Beryllium, GFAA	<0.000017	mg/L	0.000017	0.000059	EPA 210.2	04/23/2001	1105 146
Boron, ICP	<0.017	mg/L	0.017	0.054	SW 6010B	04/13/2001	750
Cadmium, GFAA	0.0057	mg/L	0.000042	0.00015	EPA 213.2	04/19/2001	1105 900
Chromium, ICP	0.0037	mg/L	0.0034	0.012	SW 6010B	04/13/2001	1879 751
Cobalt, ICP	<0.0036	mg/L	0.0036	0.013	SW 6010B	04/13/2001	1879 751
Copper, ICP	<0.013	mg/L	0.013	0.046	SW 6010B	04/13/2001	1879 845
Lead, GFAA	0.0020	mg/L	0.0012	0.0044	EPA 239.2	04/18/2001	1105 2037
Mercury, CVAA	<0.000056	mg/L	0.000056	0.00020	EPA 245.1	04/20/2001	37 1689
Nickel, ICP	0.0043	mg/L	0.0036	0.013	SW 6010B	04/13/2001	1879 757
Selenium, GFAA	<0.0015	mg/L	0.0015	0.0054	EPA 270.2	04/25/2001	1105 668
Silver, ICP	<0.0013	mg/L	0.0013	0.0047	SW 6010B	04/13/2001	1879 729
Thallium, GFAA	<0.0014	mg/L	0.0014	0.0048	EPA 279.2	04/24/2001	1105 309
Vanadium, ICP	<0.0025	mg/L	0.0025	0.0090	SW 6010B	04/13/2001	1879 724
VOC - AQUEOUS - EPA 8260B							
Misc VOC Compounds							
Dichlorodifluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/13/2001	2404
Tetrahydrofuran	<0.25	ug/L	0.25	0.83	SW 8260B	04/14/2001	618
Surr: Dibromofluoromethane	102.8	%		94-108	SW 8260B	04/14/2001	2404
Surr: Toluene-d8	101.2	%		90-104	SW 8260B	04/14/2001	2404
Surr: Bromofluorobenzene	104.8	%		94-107	SW 8260B	04/14/2001	2404

## ANALYTICAL REPORT

Mr. Steven Smith  
 BT2, INC.  
 2830 Dairy Drive  
 Madison, WI 53704-6751

05/01/2001  
 Job No: 01.02181  
 Sample No: 432378  
 Account No: 10100  
 Page 25 of 60

JOB DESCRIPTION: 1764 Stoughton City Landfill  
 PROJECT DESCRIPTION: Groundwater Analysis  
 SAMPLE DESCRIPTION: 00133851 MW8I 1764 Stoughton LF  
 Rec'd on ice

Date/Time Taken: 04/04/2001 14:40

Date Received: 04/05/2001

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
Antimony, GFAA	<0.0019	mg/L	0.0019	0.0067	EPA 204.2	05/01/2001	259 304
Arsenic, GFAA	<0.0018	mg/L	0.0018	0.0065	EPA 206.2	04/12/2001	1105 788
Barium, ICP	0.048	mg/L	0.0007	0.0025	SW 6010B	04/13/2001	1879 938
Beryllium, GFAA	<0.000017	mg/L	0.000017	0.000059	EPA 210.2	04/23/2001	1105 146
Boron, ICP	0.020	mg/L	0.017	0.054	SW 6010B	04/13/2001	750
Cadmium, GFAA	<0.000042	mg/L	0.000042	0.00015	EPA 213.2	04/19/2001	1105 900
Chromium, ICP	0.012	mg/L	0.0034	0.012	SW 6010B	04/13/2001	1879 751
Cobalt, ICP	<0.0036	mg/L	0.0036	0.013	SW 6010B	04/13/2001	1879 751
Copper, ICP	0.025	mg/L	0.013	0.046	SW 6010B	04/13/2001	1879 845
Lead, GFAA	<0.0012	mg/L	0.0012	0.0044	EPA 239.2	04/13/2001	1105 2037
Mercury, CVAA	<0.000056	mg/L	0.000056	0.00020	EPA 245.1	04/20/2001	37 1689
Nickel, ICP	0.029	mg/L	0.0036	0.013	SW 6010B	04/13/2001	1879 757
Selenium, GFAA	<0.0015	mg/L	0.0015	0.0054	EPA 270.2	04/25/2001	1105 668
Silver, ICP	<0.0013	mg/L	0.0013	0.0047	SW 6010B	04/13/2001	1879 729
Thallium, GFAA	<0.0014	mg/L	0.0014	0.0048	EPA 279.2	04/24/2001	1105 309
Vanadium, ICP	<0.0025	mg/L	0.0025	0.0090	SW 6010B	04/13/2001	1879 724
VOC - AQUEOUS - EPA 8260B							
Misc VOC Compounds							
Dichlorodifluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/13/2001	2404
Tetrahydrofuran	7.4	ug/L	0.25	0.83	SW 8260B	04/14/2001	618
Surr: Dibromofluoromethane	104.0	%		94-108	SW 8260B	04/14/2001	2404
Surr: Toluene-d8	101.4	%		90-104	SW 8260B	04/14/2001	2404
Surr: Bromofluorobenzene	104.2	%		94-107	SW 8260B	04/14/2001	2404

## ANALYTICAL REPORT

Mr. Steven Smith  
 BT2, INC.  
 2830 Dairy Drive  
 Madison, WI 53704-6751

05/01/2001  
 Job No: 01.02181  
 Sample No: 432379  
 Account No: 10100  
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JOB DESCRIPTION: 1764 Stoughton City Landfill  
 PROJECT DESCRIPTION: Groundwater Analysis  
 SAMPLE DESCRIPTION: 00133852 MW8B 1764 Stoughton LF  
 Rec'd on ice

Date/Time Taken: 04/04/2001 15:15

Date Received: 04/05/2001

Parameter	Results	Units	MDL	LOQ	Method	Date	
						Analyzed	Prep/Run Batch
Antimony, GFAA	<0.0019	mg/L	0.0019	0.0067	EPA 204.2	05/01/2001	259 304
Arsenic, GFAA	<0.0018	mg/L	0.0018	0.0065	EPA 206.2	04/12/2001	1105 788
Barium, ICP	0.028	mg/L	0.0007	0.0025	SW 6010B	04/13/2001	1879 938
Beryllium, GFAA	<0.000017	mg/L	0.000017	0.000059	EPA 210.2	04/23/2001	1105 146
Boron, ICP	0.017	mg/L	0.017	0.054	SW 6010B	04/13/2001	750
Cadmium, GFAA	<0.000042	mg/L	0.000042	0.00015	EPA 213.2	04/19/2001	1105 900
Chromium, ICP	0.016	mg/L	0.0034	0.012	SW 6010B	04/13/2001	1879 751
Cobalt, ICP	<0.0036	mg/L	0.0036	0.013	SW 6010B	04/13/2001	1879 751
Copper, ICP	<0.013	mg/L	0.013	0.046	SW 6010B	04/13/2001	1879 845
Lead, GFAA	<0.0012	mg/L	0.0012	0.0044	EPA 239.2	04/18/2001	1105 2037
Mercury, CVAA	<0.000056	mg/L	0.000056	0.00020	EPA 245.1	04/20/2001	37 1689
Nickel, ICP	0.90	mg/L	0.0036	0.013	SW 6010B	04/13/2001	1879 757
Selenium, GFAA	<0.0015	mg/L	0.0015	0.0054	EPA 270.2	04/25/2001	1105 668
Silver, ICP	<0.0013	mg/L	0.0013	0.0047	SW 6010B	04/13/2001	1879 729
Thallium, GFAA	<0.0014	mg/L	0.0014	0.0048	EPA 279.2	04/24/2001	1105 309
Vanadium, ICP	<0.0025	mg/L	0.0025	0.0090	SW 6010B	04/13/2001	1879 724
VOC - AQUEOUS - EPA 8260B							
Misc VOC Compounds							
Dichlorodifluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/13/2001	2404
Tetrahydrofuran	<0.25	ug/L	0.25	0.83	SW 8260B	04/14/2001	618
Surr: Dibromofluoromethane	103.2	%		94-108	SW 8260B	04/14/2001	2404
Surr: Toluene-d8	100.4	%		90-104	SW 8260B	04/14/2001	2404
Surr: Bromofluorobenzene	104.6	%		94-107	SW 8260B	04/14/2001	2404

## ANALYTICAL REPORT

Mr. Steven Smith  
BT2, INC.  
2830 Dairy Drive  
Madison, WI 53704-6751

05/01/2001  
Job No: 01.02181  
Sample No: 432380  
Account No: 10100  
Page 27 of 60

JOB DESCRIPTION: 1764 Stoughton City Landfill  
PROJECT DESCRIPTION: Groundwater Analysis  
SAMPLE DESCRIPTION: 00133851 MW8I Dup 1764 Stoughton LF  
Rec'd on ice

Date/Time Taken: 04/04/2001 14:40

Date Received: 04/05/2001

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
VOC - AQUEOUS - EPA 8260B							
Misc VOC Compounds							
Dichlorodifluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/13/2001	2404
Tetrahydrofuran	7.6	ug/L	0.25	0.83	SW 8260B	04/14/2001	618
Surr: Dibromofluoromethane	102.6	%		94-108	SW 8260B	04/14/2001	2404
Surr: Toluene-d8	102.0	%		90-104	SW 8260B	04/14/2001	2404
Surr: Bromofluorobenzene	103.0	%		94-107	SW 8260B	04/14/2001	2404

## ANALYTICAL REPORT

Mr. Steven Smith  
 BT2, INC.  
 2830 Dairy Drive  
 Madison, WI 53704-6751

05/01/2001  
 Job No: 01.02181  
 Sample No: 432381  
 Account No: 10100  
 Page 28 of 60

JOB DESCRIPTION: 1764 Stoughton City Landfill  
 PROJECT DESCRIPTION: Groundwater Analysis  
 SAMPLE DESCRIPTION: 00133997 Field Blank 1 1764  
 Rec'd on ice

Date/Time Taken: 04/04/2001 15:30

Date Received: 04/05/2001

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
VOC - AQUEOUS - EPA 8260B							
Misc VOC Compounds							
Benzene	<0.10	ug/L	0.10	0.33	SW 8260B	04/14/2001	2404
Bromobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	04/14/2001	2404
Bromochloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/14/2001	2404
Bromodichloromethane	0.60	ug/L	0.25	0.83	SW 8260B	04/14/2001	2404
Bromoform	1.5	ug/L	0.25	0.83	SW 8260B	04/14/2001	2404
Bromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/14/2001	2404
n-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	04/14/2001	2404
sec-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	04/14/2001	2404
tert-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	04/14/2001	2404
Carbon Tetrachloride	<0.25	ug/L	0.25	0.83	SW 8260B	04/14/2001	2404
Chlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	04/14/2001	2404
Chlorodibromomethane	1.2	ug/L	0.25	0.83	SW 8260B	04/14/2001	2404
Chloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/14/2001	2404
Chloroform	0.64	ug/L	0.25	0.83	SW 8260B	04/14/2001	2404
Chloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/14/2001	2404
2-Chlorotoluene	<0.10	ug/L	0.10	0.33	SW 8260B	04/14/2001	2404
4-Chlorotoluene	<0.25	ug/L	0.25	0.83	SW 8260B	04/14/2001	2404
1,2-Dibromo-3-Chloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	04/14/2001	2404
1,2-Dibromoethane (EDB)	<0.25	ug/L	0.25	0.83	SW 8260B	04/14/2001	2404
Dibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/14/2001	2404
1,2-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	04/14/2001	2404
1,3-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	04/14/2001	2404
1,4-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	04/14/2001	2404
Dichlorodifluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/14/2001	2404
1,1-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/14/2001	2404
1,2-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/14/2001	2404
1,1-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	04/14/2001	2404
cis-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	04/14/2001	2404
trans-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	04/14/2001	2404
1,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	04/14/2001	2404
1,3-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	04/14/2001	2404
2,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	04/14/2001	2404
1,1-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	04/14/2001	2404
cis-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	04/14/2001	2404
trans-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	04/14/2001	2404
Di-isopropyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	04/14/2001	2404
Ethylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	04/14/2001	2404

## ANALYTICAL REPORT

Mr. Steven Smith  
 BT2, INC.  
 2830 Dairy Drive  
 Madison, WI 53704-6751

05/01/2001  
 Job No: 01.02181  
 Sample No: 432381  
 Account No: 10100  
 Page 29 of 60

JOB DESCRIPTION: 1764 Stoughton City Landfill  
 PROJECT DESCRIPTION: Groundwater Analysis  
 SAMPLE DESCRIPTION: 00133997 Field Blank 1 1764  
 Rec'd on ice

Date/Time Taken: 04/04/2001 15:30

Date Received: 04/05/2001

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
Hexachlorobutadiene	<0.25	ug/L	0.25	0.83	SW 8260B	04/14/2001	2404
Isopropylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	04/14/2001	2404
p-Isopropyltoluene	<0.25	ug/L	0.25	0.83	SW 8260B	04/14/2001	2404
Methylene Chloride	L 0.30	ug/L	0.25	0.83	SW 8260B	04/14/2001	2404
Methyl-t-butyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	04/14/2001	2404
Naphthalene	<0.25	ug/L	0.25	0.83	SW 8260B	04/14/2001	2404
n-Propylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	04/14/2001	2404
Styrene	<0.25	ug/L	0.25	0.83	SW 8260B	04/14/2001	2404
1,1,1,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/14/2001	2404
1,1,2,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/14/2001	2404
Tetrachloroethene	0.74	ug/L	0.25	0.83	SW 8260B	04/14/2001	2404
Tetrahydrofuran	<0.25	ug/L	0.25	0.83	SW 8260B	04/14/2001	618
Toluene	<0.10	ug/L	0.10	0.33	SW 8260B	04/14/2001	2404
1,2,3-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	04/14/2001	2404
1,2,4-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	04/14/2001	2404
1,1,1-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/14/2001	2404
1,1,2-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/14/2001	2404
Trichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	04/14/2001	2404
Trichlorofluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	04/14/2001	2404
1,2,3-Trichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	04/14/2001	2404
1,2,4-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	04/14/2001	2404
1,3,5-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	04/14/2001	2404
Vinyl Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	04/14/2001	2404
Xylenes, Total	<0.25	ug/L	0.25	0.83	SW 8260B	04/14/2001	2404
Surr: Dibromofluoromethane	103.4	%		94-108	SW 8260B	04/14/2001	2404
Surr: Toluene-d8	101.0	%		90-104	SW 8260B	04/14/2001	2404
Surr: Bromofluorobenzene	103.6	%		94-107	SW 8260B	04/14/2001	2404

## ANALYTICAL REPORT

Mr. Steven Smith  
 BT2, INC.  
 2830 Dairy Drive  
 Madison, WI 53704-6751

05/01/2001  
 Job No: 01.02181  
 Sample No: 432382  
 Account No: 10100  
 Page 30 of 60

JOB DESCRIPTION: 1764 Stoughton City Landfill  
 PROJECT DESCRIPTION: Groundwater Analysis  
 SAMPLE DESCRIPTION: 00133840 MW3S 1764 Stoughton LF  
 Rec'd on ice

Date/Time Taken: 04/04/2001 13:00      Date Received: 04/05/2001

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
Antimony, GFAA	0.0031	mg/L	0.0019	0.0067	EPA 204.2	05/01/2001	259 304
Arsenic, GFAA	<0.0018	mg/L	0.0018	0.0065	EPA 206.2	04/12/2001	1105 788
Barium, ICP	0.15	mg/L	0.0007	0.0025	SW 6010B	04/13/2001	1879 938
Beryllium, GFAA	0.00026	mg/L	0.000017	0.000059	EPA 210.2	04/23/2001	1105 146
Boron, ICP	0.042	mg/L	0.017	0.054	SW 6010B	04/13/2001	750
Cadmium, GFAA	0.0011	mg/L	0.000042	0.00015	EPA 213.2	04/19/2001	1105 900
Chromium, ICP	0.034	mg/L	0.0034	0.012	SW 6010B	04/13/2001	1879 751
Cobalt, ICP	0.017	mg/L	0.0036	0.013	SW 6010B	04/13/2001	1879 751
Copper, ICP	0.044	mg/L	0.013	0.046	SW 6010B	04/13/2001	1879 845
Lead, GFAA	0.0022	mg/L	0.0012	0.0044	EPA 239.2	04/18/2001	1105 2037
Mercury, CVAA	<0.000056	mg/L	0.000056	0.00020	EPA 245.1	04/20/2001	37 1689
Nickel, ICP	0.026	mg/L	0.0036	0.013	SW 6010B	04/13/2001	1879 757
Selenium, GFAA	<0.0015	mg/L	0.0015	0.0054	EPA 270.2	04/25/2001	1105 668
Silver, ICP	<0.0013	mg/L	0.0013	0.0047	SW 6010B	04/13/2001	1879 729
Thallium, GFAA	<0.0014	mg/L	0.0014	0.0048	EPA 279.2	04/24/2001	1105 309
Vanadium, ICP	0.046	mg/L	0.0025	0.0090	SW 6010B	04/13/2001	1879 724
VOC - AQUEOUS - EPA 8260B							
Misc VOC Compounds							
Dichlorodifluoromethane	<0.49	ug/L	0.49	1.6	SW 8260B	04/16/2001	1059
Tetrahydrofuran	<1.9	ug/L	1.9	6.1	SW 8260B	04/16/2001	490
Surr: Dibromofluoromethane	103.4	%		87-120	SW 8260B	04/16/2001	1059
Surr: Toluene-d8	101.0	%		90-108	SW 8260B	04/16/2001	1059
Surr: Bromofluorobenzene	98.6	%		86-113	SW 8260B	04/16/2001	1059

## ANALYTICAL REPORT

Mr. Steven Smith  
 BT2, INC.  
 2830 Dairy Drive  
 Madison, WI 53704-6751

05/01/2001  
 Job No: 01.02181  
 Sample No: 432383  
 Account No: 10100  
 Page 31 of 60

JOB DESCRIPTION: 1764 Stoughton City Landfill  
 PROJECT DESCRIPTION: Groundwater Analysis  
 SAMPLE DESCRIPTION: 00133841 MW3D 1764 Stoughton LF  
 Rec'd on ice

Date/Time Taken: 04/04/2001 13:15

Date Received: 04/05/2001

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
Antimony, GFAA	0.0026	mg/L	0.0019	0.0067	EPA 204.2	05/01/2001	259 304
Arsenic, GFAA	<0.0018	mg/L	0.0018	0.0065	EPA 206.2	04/20/2001	1106 789
Barium, ICP	0.017	mg/L	0.0007	0.0025	SW 6010B	04/13/2001	1879 938
Beryllium, GFAA	<0.000017	mg/L	0.000017	0.000059	EPA 210.2	04/23/2001	1106 147
Boron, ICP	0.017	mg/L	0.017	0.054	SW 6010B	04/12/2001	751
Cadmium, GFAA	<0.000042	mg/L	0.000042	0.00015	EPA 213.2	04/19/2001	1106 901
Chromium, ICP	<0.0034	mg/L	0.0034	0.012	SW 6010B	04/13/2001	1879 751
Cobalt, ICP	<0.0036	mg/L	0.0036	0.013	SW 6010B	04/13/2001	1879 751
Copper, ICP	<0.013	mg/L	0.013	0.046	SW 6010B	04/13/2001	1879 845
Lead, GFAA	<0.0012	mg/L	0.0012	0.0044	EPA 239.2	04/18/2001	1106 2038
Mercury, CVAA	<0.000056	mg/L	0.000056	0.00020	EPA 245.1	04/20/2001	37 1689
Nickel, ICP	<0.0036	mg/L	0.0036	0.013	SW 6010B	04/13/2001	1879 757
Selenium, GFAA	<0.0015	mg/L	0.0015	0.0054	EPA 270.2	04/25/2001	1106 669
Silver, ICP	<0.0013	mg/L	0.0013	0.0047	SW 6010B	04/13/2001	1879 729
Thallium, GFAA	<0.0014	mg/L	0.0014	0.0048	EPA 279.2	04/24/2001	1106 310
Vanadium, ICP	<0.0025	mg/L	0.0025	0.0090	SW 6010B	04/13/2001	1879 724
VOC - AQUEOUS - EPA 8260B							
Misc VOC Compounds							
Benzene	<0.31	ug/L	0.31	0.98	SW 8260B	04/16/2001	1059
Bromobenzene	<0.20	ug/L	0.20	0.64	SW 8260B	04/16/2001	1059
Bromochloromethane	<0.32	ug/L	0.32	1.0	SW 8260B	04/16/2001	1059
Bromodichloromethane	<0.20	ug/L	0.20	0.63	SW 8260B	04/16/2001	1059
Bromoform	<0.14	ug/L	0.14	0.45	SW 8260B	04/16/2001	1059
Bromomethane	<0.46	ug/L	0.46	1.5	SW 8260B	04/16/2001	1059
n-Butylbenzene	<0.44	ug/L	0.44	1.4	SW 8260B	04/16/2001	1059
sec-Butylbenzene	<0.45	ug/L	0.45	1.4	SW 8260B	04/16/2001	1059
tert-Butylbenzene	<0.38	ug/L	0.38	1.2	SW 8260B	04/16/2001	1059
Carbon Tetrachloride	<0.40	ug/L	0.40	1.3	SW 8260B	04/16/2001	1059
Chlorobenzene	<0.22	ug/L	0.22	0.69	SW 8260B	04/16/2001	1059
Chlorodibromomethane	<0.10	ug/L	0.10	0.33	SW 8260B	04/16/2001	1059
Chloroethane	<1.2	ug/L	1.2	3.9	SW 8260B	04/16/2001	1059
Chloroform	<0.18	ug/L	0.18	0.58	SW 8260B	04/16/2001	1059
Chloromethane	<0.38	ug/L	0.38	1.2	SW 8260B	04/16/2001	1059
2-Chlorotoluene	<0.28	ug/L	0.28	0.90	SW 8260B	04/16/2001	1059
4-Chlorotoluene	<0.47	ug/L	0.47	1.5	SW 8260B	04/16/2001	1059
1,2-Dibromo-3-Chloropropane	<1.4	ug/L	1.4	4.5	SW 8260B	04/16/2001	1059
1,2-Dibromoethane (EDB)	<0.16	ug/L	0.16	0.51	SW 8260B	04/16/2001	1059
Dibromomethane	<0.11	ug/L	0.11	0.36	SW 8260B	04/16/2001	1059
1,2-Dichlorobenzene	<0.20	ug/L	0.20	0.64	SW 8260B	04/16/2001	1059



## ANALYTICAL REPORT

Mr. Steven Smith  
 BT2, INC.  
 2830 Dairy Drive  
 Madison, WI 53704-6751

05/01/2001  
 Job No: 01.02181  
 Sample No: 432383  
 Account No: 10100  
 Page 32 of 60

JOB DESCRIPTION: 1764 Stoughton City Landfill  
 PROJECT DESCRIPTION: Groundwater Analysis  
 SAMPLE DESCRIPTION: 00133841 MW3D 1764 Stoughton LF  
 Rec'd on ice

Date/Time Taken: 04/04/2001 13:15 Date Received: 04/05/2001

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
1,3-Dichlorobenzene	<0.22	ug/L	0.22	0.71	SW 8260B	04/16/2001	1059
1,4-Dichlorobenzene	<0.35	ug/L	0.35	1.1	SW 8260B	04/16/2001	1059
Dichlorodifluoromethane	<0.49	ug/L	0.49	1.6	SW 8260B	04/16/2001	1059
1,1-Dichloroethane	<0.25	ug/L	0.25	0.79	SW 8260B	04/16/2001	1059
1,2-Dichloroethane	<0.20	ug/L	0.20	0.63	SW 8260B	04/16/2001	1059
1,1-Dichloroethene	<0.73	ug/L	0.73	2.3	SW 8260B	04/16/2001	1059
cis-1,2-Dichloroethene	<0.23	ug/L	0.23	0.74	SW 8260B	04/16/2001	1059
trans-1,2-Dichloroethene	<0.39	ug/L	0.39	1.2	SW 8260B	04/16/2001	1059
1,2-Dichloropropane	<0.29	ug/L	0.29	0.93	SW 8260B	04/16/2001	1059
1,3-Dichloropropane	<0.15	ug/L	0.15	0.46	SW 8260B	04/16/2001	1059
2,2-Dichloropropane	<0.37	ug/L	0.37	1.2	SW 8260B	04/16/2001	1059
1,1-Dichloropropane	<0.63	ug/L	0.63	2.0	SW 8260B	04/16/2001	1059
cis-1,3-Dichloropropene	<0.17	ug/L	0.17	0.56	SW 8260B	04/16/2001	1059
trans-1,3-Dichloropropene	<0.13	ug/L	0.13	0.42	SW 8260B	04/16/2001	1059
Di-isopropyl ether	<0.13	ug/L	0.13	0.41	SW 8260B	04/16/2001	1059
Ethylbenzene	<0.38	ug/L	0.38	1.2	SW 8260B	04/16/2001	1059
Hexachlorobutadiene	<0.37	ug/L	0.37	1.2	SW 8260B	04/16/2001	1059
Isopropylbenzene	<0.36	ug/L	0.36	1.1	SW 8260B	04/16/2001	1059
p-Isopropyltoluene	<0.35	ug/L	0.35	1.1	SW 8260B	04/16/2001	1059
Methylene Chloride	<0.87	ug/L	0.87	3.1	SW 8260B	04/16/2001	1059
Methyl-t-butyl ether	<0.14	ug/L	0.14	0.45	SW 8260B	04/16/2001	1059
Naphthalene	<0.35	ug/L	0.35	1.1	SW 8260B	04/17/2001	1064
n-Propylbenzene	<0.46	ug/L	0.46	1.5	SW 8260B	04/16/2001	1059
Styrene	<0.16	ug/L	0.16	0.51	SW 8260B	04/16/2001	1059
1,1,1,2-Tetrachloroethane	<0.11	ug/L	0.11	0.34	SW 8260B	04/16/2001	1059
1,1,2,2-Tetrachloroethane	<0.39	ug/L	0.39	1.3	SW 8260B	04/16/2001	1059
Tetrachloroethene	<0.63	ug/L	0.63	2.0	SW 8260B	04/16/2001	1059
Tetrahydrofuran	53	ug/L	1.9	6.1	SW 8260B	04/16/2001	490
Toluene	<0.39	ug/L	0.39	1.3	SW 8260B	04/16/2001	1059
1,2,3-Trichlorobenzene	<0.32	ug/L	0.32	1.0	SW 8260B	04/16/2001	1059
1,2,4-Trichlorobenzene	<0.18	ug/L	0.18	0.57	SW 8260B	04/16/2001	1059
1,1,1-Trichloroethane	<0.28	ug/L	0.28	0.88	SW 8260B	04/16/2001	1059
1,1,2-Trichloroethane	<0.15	ug/L	0.15	0.46	SW 8260B	04/16/2001	1059
Trichloroethene	<0.49	ug/L	0.49	1.6	SW 8260B	04/16/2001	1059
Trichlorofluoromethane	<0.58	ug/L	0.58	1.8	SW 8260B	04/16/2001	1059
1,2,3-Trichloropropane	<0.28	ug/L	0.28	0.90	SW 8260B	04/16/2001	1059
1,2,4-Trimethylbenzene	<0.32	ug/L	0.32	1.0	SW 8260B	04/16/2001	1059
1,3,5-Trimethylbenzene	<0.33	ug/L	0.33	1.0	SW 8260B	04/16/2001	1059
Vinyl Chloride	<0.46	ug/L	0.46	1.5	SW 8260B	04/16/2001	1059

## ANALYTICAL REPORT

Mr. Steven Smith  
BT2, INC.  
2830 Dairy Drive  
Madison, WI 53704-6751

05/01/2001  
Job No: 01.02181  
Sample No: 432383  
Account No: 10100  
Page 33 of 60

JOB DESCRIPTION: 1764 Stoughton City Landfill  
PROJECT DESCRIPTION: Groundwater Analysis  
SAMPLE DESCRIPTION: 00133841 MW3D 1764 Stoughton LF  
Rec'd on ice

Date/Time Taken: 04/04/2001 13:15

Date Received: 04/05/2001

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
Xylenes, Total	<1.1	ug/L	1.1	3.6	SW 8260B	04/16/2001	1059
Surr: Dibromofluoromethane	102.2	μ		87-120	SW 8260B	04/16/2001	1059
Surr: Toluene-d8	100.6	μ		90-108	SW 8260B	04/16/2001	1059
Surr: Bromofluorobenzene	98.6	μ		86-113	SW 8260B	04/16/2001	1059

## ANALYTICAL REPORT

Mr. Steven Smith  
 BT2, INC.  
 2830 Dairy Drive  
 Madison, WI 53704-6751

05/01/2001  
 Job No: 01.02181  
 Sample No: 432384  
 Account No: 10100  
 Page 34 of 60

JOB DESCRIPTION: 1764 Stoughton City Landfill  
 PROJECT DESCRIPTION: Groundwater Analysis  
 SAMPLE DESCRIPTION: 00133842 MW3B 1764 Stoughton LF  
 Rec'd on ice

Date/Time Taken: 04/04/2001 14:00 Date Received: 04/05/2001

Parameter	Results	Units	MDL	LOQ	Method	Date	Prep/Run
						Analyzed	Batch
Antimony, GFAA	<0.0019	mg/L	0.0019	0.0067	EPA 204.2	05/01/2001	259 304
Arsenic, GFAA	<0.0018	mg/L	0.0018	0.0065	EPA 206.2	04/20/2001	1106 789
Barium, ICP	0.030	mg/L	0.0007	0.0025	SW 6010B	04/13/2001	1879 938
Beryllium, GFAA	<0.000017	mg/L	0.000017	0.000059	EPA 210.2	04/23/2001	1106 147
Boron, ICP	<0.017	mg/L	0.017	0.054	SW 6010B	04/13/2001	750
Cadmium, GFAA	<0.000042	mg/L	0.000042	0.00015	EPA 213.2	04/19/2001	1106 901
Chromium, ICP	<0.0034	mg/L	0.0034	0.012	SW 6010B	04/13/2001	1879 751
Cobalt, ICP	<0.0036	mg/L	0.0036	0.013	SW 6010B	04/13/2001	1879 751
Copper, ICP	<0.013	mg/L	0.013	0.046	SW 6010B	04/13/2001	1879 845
Lead, GFAA	<0.0012	mg/L	0.0012	0.0044	EPA 239.2	04/18/2001	1106 2038
Mercury, CVAA	<0.000056	mg/L	0.000056	0.00020	EPA 245.1	04/20/2001	37 1689
Nickel, ICP	<0.0036	mg/L	0.0036	0.013	SW 6010B	04/13/2001	1879 757
Selenium, GFAA	<0.0015	mg/L	0.0015	0.0054	EPA 270.2	04/25/2001	1106 669
Silver, ICP	<0.0013	mg/L	0.0013	0.0047	SW 6010B	04/13/2001	1879 729
Thallium, GFAA	<0.0014	mg/L	0.0014	0.0048	EPA 279.2	04/24/2001	1106 310
Vanadium, ICP	<0.0025	mg/L	0.0025	0.0090	SW 6010B	04/13/2001	1879 724
VOC - AQUEOUS - EPA 8260B							
Misc VOC Compounds							
Dichlorodifluoromethane	<0.49	ug/L	0.49	1.6	SW 8260B	04/16/2001	1059
Tetrahydrofuran	<1.9	ug/L	1.9	6.1	SW 8260B	04/16/2001	490
Surr: Dibromofluoromethane	104.6	‡		87-120	SW 8260B	04/16/2001	1059
Surr: Toluene-d8	101.8	‡		90-108	SW 8260B	04/16/2001	1059
Surr: Bromofluorobenzene	100.2	‡		86-113	SW 8260B	04/16/2001	1059

## ANALYTICAL REPORT

Mr. Steven Smith  
 BT2, INC.  
 2830 Dairy Drive  
 Madison, WI 53704-6751

05/01/2001  
 Job No: 01.02181  
 Sample No: 432385  
 Account No: 10100  
 Page 35 of 60

JOB DESCRIPTION: 1764 Stoughton City Landfill  
 PROJECT DESCRIPTION: Groundwater Analysis  
 SAMPLE DESCRIPTION: 00133843 MW4S 1764 Stoughton LF  
 Rec'd on ice

Date/Time Taken: 04/04/2001 16:00      Date Received: 04/05/2001

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
Antimony, GFAA	<0.0019	mg/L	0.0019	0.0067	EPA 204.2	05/01/2001	259 304
Arsenic, GFAA	<0.0018	mg/L	0.0018	0.0065	EPA 206.2	04/20/2001	1106 789
Barium, ICP	0.095	mg/L	0.0007	0.0025	SW 6010B	04/13/2001	1879 938
Beryllium, GFAA	0.00010	mg/L	0.000017	0.000059	EPA 210.2	04/23/2001	1106 147
Boron, ICP	0.020	mg/L	0.017	0.054	SW 6010B	04/13/2001	750
Cadmium, GFAA	0.0015	mg/L	0.000042	0.00015	EPA 213.2	04/19/2001	1106 901
Chromium, ICP	0.014	mg/L	0.0034	0.012	SW 6010B	04/13/2001	1879 751
Cobalt, ICP	0.012	mg/L	0.0036	0.013	SW 6010B	04/13/2001	1879 751
Copper, ICP	0.023	mg/L	0.013	0.046	SW 6010B	04/13/2001	1879 845
Lead, GFAA	0.0025	mg/L	0.0012	0.0044	EPA 239.2	04/18/2001	1106 2038
Mercury, CVAA	<0.000056	mg/L	0.000056	0.00020	EPA 245.1	04/20/2001	37 1689
Nickel, ICP	0.020	mg/L	0.0036	0.013	SW 6010B	04/13/2001	1879 757
Selenium, GFAA	<0.0015	mg/L	0.0015	0.0054	EPA 270.2	04/25/2001	1106 669
Silver, ICP	<0.0013	mg/L	0.0013	0.0047	SW 6010B	04/13/2001	1879 729
Thallium, GFAA	<0.0014	mg/L	0.0014	0.0048	EPA 279.2	04/24/2001	1106 310
Vanadium, ICP	0.016	mg/L	0.0025	0.0090	SW 6010B	04/13/2001	1879 724
VOC - AQUEOUS - EPA 8260B							
Misc VOC Compounds							
Dichlorodifluoromethane	<0.49	ug/L	0.49	1.6	SW 8260B	04/16/2001	1059
Tetrahydrofuran	<1.9	ug/L	1.9	6.1	SW 8260B	04/16/2001	490
Surr: Dibromofluoromethane	101.8	%		87-120	SW 8260B	04/16/2001	1059
Surr: Toluene-d8	100.2	%		90-108	SW 8260B	04/16/2001	1059
Surr: Bromofluorobenzene	99.6	%		86-113	SW 8260B	04/16/2001	1059

## ANALYTICAL REPORT

Mr. Steven Smith  
 BT2, INC.  
 2830 Dairy Drive  
 Madison, WI 53704-6751

05/01/2001  
 Job No: 01.02181  
 Sample No: 432386  
 Account No: 10100  
 Page 36 of 60

JOB DESCRIPTION: 1764 Stoughton City Landfill  
 PROJECT DESCRIPTION: Groundwater Analysis  
 SAMPLE DESCRIPTION: 00133844 MW4D 1764 Stoughton LF  
 Rec'd on ice

Date/Time Taken: 04/04/2001 16:30 Date Received: 04/05/2001

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
Antimony, GFAA	<0.0019	mg/L	0.0019	0.0067	EPA 204.2	05/01/2001	259 304
Arsenic, GFAA	0.0077	mg/L	0.0018	0.0065	EPA 206.2	04/20/2001	1106 789
Barium, ICP	0.043	mg/L	0.0007	0.0025	SW 6010B	04/13/2001	1879 938
Beryllium, GFAA	<0.000017	mg/L	0.000017	0.000059	EPA 210.2	04/23/2001	1106 147
Boron, ICP	0.035	mg/L	0.017	0.054	SW 6010B	04/12/2001	751
Cadmium, GFAA	0.000072	mg/L	0.000042	0.00015	EPA 213.2	04/19/2001	1106 901
Chromium, ICP	<0.0034	mg/L	0.0034	0.012	SW 6010B	04/13/2001	1879 751
Cobalt, ICP	<0.0036	mg/L	0.0036	0.013	SW 6010B	04/13/2001	1879 751
Copper, ICP	<0.013	mg/L	0.013	0.046	SW 6010B	04/13/2001	1679 845
Lead, GFAA	<0.0012	mg/L	0.0012	0.0044	EPA 239.2	04/18/2001	1106 2038
Mercury, CVAA	<0.000056	mg/L	0.000056	0.00020	EPA 245.1	04/20/2001	37 1689
Nickel, ICP	<0.0036	mg/L	0.0036	0.013	SW 6010B	04/13/2001	1879 757
Selenium, GFAA	<0.0015	mg/L	0.0015	0.0054	EPA 270.2	04/25/2001	1106 669
Silver, ICP	<0.0013	mg/L	0.0013	0.0047	SW 6010B	04/13/2001	1879 729
Thallium, GFAA	<0.0014	mg/L	0.0014	0.0048	EPA 279.2	04/24/2001	1106 310
Vanadium, ICP	<0.0025	mg/L	0.0025	0.0090	SW 6010B	04/13/2001	1879 724
VOC - AQUEOUS - EPA 8260B							
Misc VOC Compounds							
Benzene	<0.31	ug/L	0.31	0.98	SW 8260B	04/16/2001	1059
Bromobenzene	<0.20	ug/L	0.20	0.64	SW 8260B	04/16/2001	1059
Bromochloromethane	<0.32	ug/L	0.32	1.0	SW 8260B	04/16/2001	1059
Bromodichloromethane	<0.20	ug/L	0.20	0.63	SW 8260B	04/16/2001	1059
Bromoform	<0.14	ug/L	0.14	0.45	SW 8260B	04/16/2001	1059
Bromomethane	<0.46	ug/L	0.46	1.5	SW 8260B	04/16/2001	1059
n-Butylbenzene	<0.44	ug/L	0.44	1.4	SW 8260B	04/16/2001	1059
sec-Butylbenzene	<0.45	ug/L	0.45	1.4	SW 8260B	04/16/2001	1059
tert-Butylbenzene	<0.38	ug/L	0.38	1.2	SW 8260B	04/16/2001	1059
Carbon Tetrachloride	<0.40	ug/L	0.40	1.3	SW 8260B	04/16/2001	1059
Chlorobenzene	<0.22	ug/L	0.22	0.69	SW 8260B	04/16/2001	1059
Chlorodibromomethane	<0.10	ug/L	0.10	0.33	SW 8260B	04/16/2001	1059
Chloroethane	<1.2	ug/L	1.2	3.9	SW 8260B	04/16/2001	1059
Chloroform	<0.18	ug/L	0.18	0.58	SW 8260B	04/16/2001	1059
Chloromethane	<0.38	ug/L	0.38	1.2	SW 8260B	04/16/2001	1059
2-Chlorotoluene	<0.28	ug/L	0.28	0.90	SW 8260B	04/16/2001	1059
4-Chlorotoluene	<0.47	ug/L	0.47	1.5	SW 8260B	04/16/2001	1059
1,2-Dibromo-3-Chloropropane	<1.4	ug/L	1.4	4.5	SW 8260B	04/16/2001	1059
1,2-Dibromoethane (EDB)	<0.16	ug/L	0.16	0.51	SW 8260B	04/16/2001	1059
Dibromomethane	<0.11	ug/L	0.11	0.36	SW 8260B	04/16/2001	1059
1,2-Dichlorobenzene	<0.20	ug/L	0.20	0.64	SW 8260B	04/16/2001	1059

## ANALYTICAL REPORT

Mr. Steven Smith  
 BT2, INC.  
 2830 Dairy Drive  
 Madison, WI 53704-6751

05/01/2001  
 Job No: 01.02181  
 Sample No: 432386  
 Account No: 10100  
 Page 37 of 60

JOB DESCRIPTION: 1764 Stoughton City Landfill  
 PROJECT DESCRIPTION: Groundwater Analysis  
 SAMPLE DESCRIPTION: 00133844 MW4D 1764 Stoughton LF  
 Rec'd on ice

Date/Time Taken: 04/04/2001 16:30

Date Received: 04/05/2001

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
1,3-Dichlorobenzene	<0.22	ug/L	0.22	0.71	SW 8260B	04/16/2001	1059
1,4-Dichlorobenzene	<0.35	ug/L	0.35	1.1	SW 8260B	04/16/2001	1059
Dichlorodifluoromethane	<0.49	ug/L	0.49	1.6	SW 8260B	04/16/2001	1059
1,1-Dichloroethane	<0.25	ug/L	0.25	0.79	SW 8260B	04/16/2001	1059
1,2-Dichloroethane	<0.20	ug/L	0.20	0.63	SW 8260B	04/16/2001	1059
1,1-Dichloroethene	<0.73	ug/L	0.73	2.3	SW 8260B	04/16/2001	1059
cis-1,2-Dichloroethene	<0.23	ug/L	0.23	0.74	SW 8260B	04/16/2001	1059
trans-1,2-Dichloroethene	<0.39	ug/L	0.39	1.2	SW 8260B	04/16/2001	1059
1,2-Dichloropropane	<0.29	ug/L	0.29	0.93	SW 8260B	04/16/2001	1059
1,3-Dichloropropane	<0.15	ug/L	0.15	0.46	SW 8260B	04/16/2001	1059
2,2-Dichloropropane	<0.37	ug/L	0.37	1.2	SW 8260B	04/16/2001	1059
1,1-Dichloropropene	<0.63	ug/L	0.63	2.0	SW 8260B	04/16/2001	1059
cis-1,3-Dichloropropene	<0.17	ug/L	0.17	0.56	SW 8260B	04/16/2001	1059
trans-1,3-Dichloropropene	<0.13	ug/L	0.13	0.42	SW 8260B	04/16/2001	1059
Di-isopropyl ether	<0.13	ug/L	0.13	0.41	SW 8260B	04/16/2001	1059
Ethylbenzene	<0.38	ug/L	0.38	1.2	SW 8260B	04/16/2001	1059
Hexachlorobutadiene	<0.37	ug/L	0.37	1.2	SW 8260B	04/16/2001	1059
Isopropylbenzene	<0.36	ug/L	0.36	1.1	SW 8260B	04/16/2001	1059
p-Isopropyltoluene	<0.35	ug/L	0.35	1.1	SW 8260B	04/16/2001	1059
Methylene Chloride	<0.87	ug/L	0.87	3.1	SW 8260B	04/16/2001	1059
Methyl-t-butyl ether	<0.14	ug/L	0.14	0.45	SW 8260B	04/16/2001	1059
Naphthalene	<0.35	ug/L	0.35	1.1	SW 8260B	04/16/2001	1059
n-Propylbenzene	<0.46	ug/L	0.46	1.5	SW 8260B	04/16/2001	1059
Styrene	<0.16	ug/L	0.16	0.51	SW 8260B	04/16/2001	1059
1,1,1,2-Tetrachloroethane	<0.11	ug/L	0.11	0.34	SW 8260B	04/16/2001	1059
1,1,2,2-Tetrachloroethane	<0.39	ug/L	0.39	1.3	SW 8260B	04/16/2001	1059
Tetrachloroethene	<0.63	ug/L	0.63	2.0	SW 8260B	04/16/2001	1059
Tetrahydrofuran	<1.9	ug/L	1.9	6.1	SW 8260B	04/16/2001	490
Toluene	<0.39	ug/L	0.39	1.3	SW 8260B	04/16/2001	1059
1,2,3-Trichlorobenzene	<0.32	ug/L	0.32	1.0	SW 8260B	04/16/2001	1059
1,2,4-Trichlorobenzene	<0.18	ug/L	0.18	0.57	SW 8260B	04/16/2001	1059
1,1,1-Trichloroethane	<0.28	ug/L	0.28	0.88	SW 8260B	04/16/2001	1059
1,1,2-Trichloroethane	<0.15	ug/L	0.15	0.46	SW 8260B	04/16/2001	1059
Trichloroethene	<0.49	ug/L	0.49	1.6	SW 8260B	04/16/2001	1059
Trichlorofluoromethane	<0.58	ug/L	0.58	1.8	SW 8260B	04/16/2001	1059
1,2,3-Trichloropropane	<0.28	ug/L	0.28	0.90	SW 8260B	04/16/2001	1059
1,2,4-Trimethylbenzene	<0.32	ug/L	0.32	1.0	SW 8260B	04/16/2001	1059
1,3,5-Trimethylbenzene	<0.33	ug/L	0.33	1.0	SW 8260B	04/16/2001	1059
Vinyl Chloride	<0.46	ug/L	0.46	1.5	SW 8260B	04/16/2001	1059

## ANALYTICAL REPORT

Mr. Steven Smith  
BT2, INC.  
2830 Dairy Drive  
Madison, WI 53704-6751

05/01/2001  
Job No: 01.02181  
Sample No: 432386  
Account No: 10100  
Page 38 of 60

JOB DESCRIPTION: 1764 Stoughton City Landfill  
PROJECT DESCRIPTION: Groundwater Analysis  
SAMPLE DESCRIPTION: 00133844 MW4D 1764 Stoughton LF  
Rec'd on ice

Date/Time Taken: 04/04/2001 16:30

Date Received: 04/05/2001

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
Xylenes, Total	<1.1	ug/L	1.1	3.6	SW 8260B	04/16/2001	1059
Surr: Dibromofluoromethane	102.4	%		87-120	SW 8260B	04/16/2001	1059
Surr: Toluene-d8	104.6	%		90-108	SW 8260B	04/16/2001	1059
Surr: Bromofluorobenzene	102.2	%		86-113	SW 8260B	04/16/2001	1059

## ANALYTICAL REPORT

Mr. Steven Smith  
 BT2, INC.  
 2830 Dairy Drive  
 Madison, WI 53704-6751

05/01/2001  
 Job No: 01.02181  
 Sample No: 432387  
 Account No: 10100  
 Page 39 of 60

JOB DESCRIPTION: 1764 Stoughton City Landfill  
 PROJECT DESCRIPTION: Groundwater Analysis  
 SAMPLE DESCRIPTION: 00133845 MW5S 1764 Stoughton LF  
 Rec'd on ice

Date/Time Taken: 04/04/2001 17:15

Date Received: 04/05/2001

Parameter	Results	Units	MDL	LOQ	Method	Date		Prep/Run		
						Analyzed	Batch			
Antimony, GFAA	<0.0019	mg/L	0.0019	0.0067	EPA 204.2	05/01/2001	259	304		
Arsenic, GFAA	<0.0018	mg/L	0.0018	0.0065	EPA 206.2	04/20/2001	1106	789		
Barium, ICP	0.23	mg/L	0.0007	0.0025	SW 6010B	04/13/2001	1879	938		
Beryllium, GFAA	0.00024	mg/L	0.000017	0.000059	EPA 210.2	04/23/2001	1106	147		
Boron, ICP	0.035	mg/L	0.017	0.054	SW 6010B	04/13/2001		750		
Cadmium, GFAA	0.00044	mg/L	0.000042	0.00015	EPA 213.2	04/19/2001	1106	901		
Chromium, ICP	0.052	mg/L	0.0034	0.012	SW 6010B	04/13/2001	1879	751		
Cobalt, ICP	0.054	mg/L	0.0036	0.013	SW 6010B	04/13/2001	1879	751		
Copper, ICP	0.10	mg/L	0.013	0.046	SW 6010B	04/13/2001	1879	845		
Lead, GFAA	0.0022	mg/L	0.0012	0.0044	EPA 239.2	04/18/2001	1106	2038		
Mercury, CVAA	<0.000056	mg/L	0.000056	0.00020	EPA 245.1	04/20/2001	37	1689		
Nickel, ICP	0.13	mg/L	0.0036	0.013	SW 6010B	04/13/2001	1879	757		
Selenium, GFAA	<0.0015	mg/L	0.0015	0.0054	EPA 270.2	04/25/2001	1106	669		
Silver, ICP	<0.0013	mg/L	0.0013	0.0047	SW 6010B	04/13/2001	1879	729		
Thallium, GFAA	<0.0014	mg/L	0.0014	0.0048	EPA 279.2	04/24/2001	1106	310		
Vanadium, ICP	0.071	mg/L	0.0025	0.0090	SW 6010B	04/13/2001	1879	724		
VOC - AQUEOUS - EPA 8260B										
Misc VOC Compounds										
Dichlorodifluoromethane	<0.49	ug/L	0.49	1.6	SW 8260B	04/16/2001		1059		
Tetrahydrofuran	<1.9	ug/L	1.9	6.1	SW 8260B	04/16/2001		490		
Surr: Dibromofluoromethane	97.4	%		87-120	SW 8260B	04/16/2001		1059		
Surr: Toluene-d8	103.2	%		90-108	SW 8260B	04/16/2001		1059		
Surr: Bromofluorobenzene	97.8	%		86-113	SW 8260B	04/16/2001		1059		



## ANALYTICAL REPORT

Mr. Steven Smith  
 BT2, INC.  
 2830 Dairy Drive  
 Madison, WI 53704-6751

05/01/2001  
 Job No: 01.02181  
 Sample No: 432388  
 Account No: 10100  
 Page 40 of 60

JOB DESCRIPTION: 1764 Stoughton City Landfill  
 PROJECT DESCRIPTION: Groundwater Analysis  
 SAMPLE DESCRIPTION: 00133846 MW5D 1764 Stoughton LF  
 Rec'd on ice

Date/Time Taken: 04/04/2001 17:45 Date Received: 04/05/2001

Parameter	Results	Units	MDL	LOQ	Method	Date	Prep/Run
						Analyzed	Batch
Antimony, GFAA	<0.0019	mg/L	0.0019	0.0067	EPA 204.2	05/01/2001	259 304
Arsenic, GFAA	<0.0018	mg/L	0.0018	0.0065	EPA 206.2	04/20/2001	1106 789
Barium, ICP	0.0077	mg/L	0.0007	0.0025	SW 6010B	04/13/2001	1879 938
Beryllium, GFAA	<0.000017	mg/L	0.000017	0.000059	EPA 210.2	04/23/2001	1106 147
Boron, ICP	0.10	mg/L	0.017	0.054	SW 6010B	04/12/2001	752
Cadmium, GFAA	<0.000042	mg/L	0.000042	0.00015	EPA 213.2	04/19/2001	1106 901
Chromium, ICP	<0.0034	mg/L	0.0034	0.012	SW 6010B	04/13/2001	1879 751
Cobalt, ICP	<0.0036	mg/L	0.0036	0.013	SW 6010B	04/13/2001	1879 751
Copper, ICP	<0.013	mg/L	0.013	0.046	SW 6010B	04/13/2001	1879 845
Lead, GFAA	<0.0012	mg/L	0.0012	0.0044	EPA 239.2	04/18/2001	1106 2038
Mercury, CVAA	<0.000056	mg/L	0.000056	0.00020	EPA 245.1	04/20/2001	37 1689
Nickel, ICP	<0.0036	mg/L	0.0036	0.013	SW 6010B	04/13/2001	1879 757
Selenium, GFAA	<0.0015	mg/L	0.0015	0.0054	EPA 270.2	04/25/2001	1106 669
Silver, ICP	<0.0013	mg/L	0.0013	0.0047	SW 6010B	04/13/2001	1879 729
Thallium, GFAA	<0.0014	mg/L	0.0014	0.0048	EPA 279.2	04/24/2001	1106 310
Vanadium, ICP	<0.0025	mg/L	0.0025	0.0090	SW 6010B	04/13/2001	1879 724
VOC - AQUEOUS - EPA 8260B							
Misc VOC Compounds							
Benzene	<0.31	ug/L	0.31	0.98	SW 8260B	04/16/2001	1059
Bromobenzene	<0.20	ug/L	0.20	0.64	SW 8260B	04/16/2001	1059
Bromochloromethane	<0.32	ug/L	0.32	1.0	SW 8260B	04/16/2001	1059
Bromodichloromethane	<0.20	ug/L	0.20	0.63	SW 8260B	04/16/2001	1059
Bromoform	<0.14	ug/L	0.14	0.45	SW 8260B	04/16/2001	1059
Bromomethane	<0.46	ug/L	0.46	1.5	SW 8260B	04/16/2001	1059
n-Butylbenzene	<0.44	ug/L	0.44	1.4	SW 8260B	04/16/2001	1059
sec-Butylbenzene	<0.45	ug/L	0.45	1.4	SW 8260B	04/16/2001	1059
tert-Butylbenzene	<0.38	ug/L	0.38	1.2	SW 8260B	04/16/2001	1059
Carbon Tetrachloride	<0.40	ug/L	0.40	1.3	SW 8260B	04/16/2001	1059
Chlorobenzene	<0.22	ug/L	0.22	0.69	SW 8260B	04/16/2001	1059
Chlorodibromomethane	<0.10	ug/L	0.10	0.33	SW 8260B	04/16/2001	1059
Chloroethane	<1.2	ug/L	1.2	3.9	SW 8260B	04/16/2001	1059
Chloroform	<0.18	ug/L	0.18	0.58	SW 8260B	04/16/2001	1059
Chloromethane	<0.38	ug/L	0.38	1.2	SW 8260B	04/16/2001	1059
2-Chlorotoluene	<0.28	ug/L	0.28	0.90	SW 8260B	04/16/2001	1059
4-Chlorotoluene	<0.47	ug/L	0.47	1.5	SW 8260B	04/16/2001	1059
1,2-Dibromo-3-Chloropropane	<1.4	ug/L	1.4	4.5	SW 8260B	04/16/2001	1059
1,2-Dibromoethane (EDB)	<0.16	ug/L	0.16	0.51	SW 8260B	04/16/2001	1059
Dibromomethane	<0.11	ug/L	0.11	0.36	SW 8260B	04/16/2001	1059
1,2-Dichlorobenzene	<0.20	ug/L	0.20	0.64	SW 8260B	04/16/2001	1059

## ANALYTICAL REPORT

Mr. Steven Smith  
 BT2, INC.  
 2830 Dairy Drive  
 Madison, WI 53704-6751

05/01/2001  
 Job No: 01.02181  
 Sample No: 432388  
 Account No: 10100  
 Page 41 of 60

JOB DESCRIPTION: 1764 Stoughton City Landfill  
 PROJECT DESCRIPTION: Groundwater Analysis  
 SAMPLE DESCRIPTION: 00133846 MW5D 1764 Stoughton LF  
 Rec'd on ice

Date/Time Taken: 04/04/2001 17:45

Date Received: 04/05/2001

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
1,3-Dichlorobenzene	<0.22	ug/L	0.22	0.71	SW 8260B	04/16/2001	1059
1,4-Dichlorobenzene	<0.35	ug/L	0.35	1.1	SW 8260B	04/16/2001	1059
Dichlorodifluoromethane	3.3	ug/L	0.49	1.6	SW 8260B	04/16/2001	1059
1,1-Dichloroethane	<0.25	ug/L	0.25	0.79	SW 8260B	04/16/2001	1059
1,2-Dichloroethane	<0.20	ug/L	0.20	0.63	SW 8260B	04/16/2001	1059
1,1-Dichloroethene	<0.73	ug/L	0.73	2.3	SW 8260B	04/16/2001	1059
cis-1,2-Dichloroethene	0.39	ug/L	0.23	0.74	SW 8260B	04/16/2001	1059
trans-1,2-Dichloroethene	<0.39	ug/L	0.39	1.2	SW 8260B	04/16/2001	1059
1,2-Dichloropropane	<0.29	ug/L	0.29	0.93	SW 8260B	04/16/2001	1059
1,3-Dichloropropane	<0.15	ug/L	0.15	0.46	SW 8260B	04/16/2001	1059
2,2-Dichloropropane	<0.37	ug/L	0.37	1.2	SW 8260B	04/16/2001	1059
1,1-Dichloropropene	<0.63	ug/L	0.63	2.0	SW 8260B	04/16/2001	1059
cis-1,3-Dichloropropene	<0.17	ug/L	0.17	0.56	SW 8260B	04/16/2001	1059
trans-1,3-Dichloropropene	<0.13	ug/L	0.13	0.42	SW 8260B	04/16/2001	1059
Di-isopropyl ether	<0.13	ug/L	0.13	0.41	SW 8260B	04/16/2001	1059
Ethylbenzene	<0.38	ug/L	0.38	1.2	SW 8260B	04/16/2001	1059
Hexachlorobutadiene	<0.37	ug/L	0.37	1.2	SW 8260B	04/16/2001	1059
Isopropylbenzene	<0.36	ug/L	0.36	1.1	SW 8260B	04/16/2001	1059
p-Isopropyltoluene	<0.35	ug/L	0.35	1.1	SW 8260B	04/16/2001	1059
Methylene Chloride	<0.87	ug/L	0.87	3.1	SW 8260B	04/16/2001	1059
Methyl-t-butyl ether	<0.14	ug/L	0.14	0.45	SW 8260B	04/16/2001	1059
Naphthalene	<0.35	ug/L	0.35	1.1	SW 8260B	04/16/2001	1059
n-Propylbenzene	<0.46	ug/L	0.46	1.5	SW 8260B	04/16/2001	1059
Styrene	<0.16	ug/L	0.16	0.51	SW 8260B	04/16/2001	1059
1,1,1,2-Tetrachloroethane	<0.11	ug/L	0.11	0.34	SW 8260B	04/16/2001	1059
1,1,1,2,2-Tetrachloroethane	<0.39	ug/L	0.39	1.3	SW 8260B	04/16/2001	1059
Tetrachloroethene	<0.63	ug/L	0.63	2.0	SW 8260B	04/16/2001	1059
Tetrahydrofuran	2.6	ug/L	1.9	6.1	SW 8250B	04/16/2001	490
Toluene	<0.39	ug/L	0.39	1.3	SW 8260B	04/16/2001	1059
1,2,3-Trichlorobenzene	<0.32	ug/L	0.32	1.0	SW 8260B	04/16/2001	1059
1,2,4-Trichlorobenzene	<0.18	ug/L	0.18	0.57	SW 8260B	04/16/2001	1059
1,1,1-Trichloroethane	<0.28	ug/L	0.28	0.88	SW 8260B	04/16/2001	1059
1,1,2-Trichloroethane	<0.15	ug/L	0.15	0.46	SW 8260B	04/16/2001	1059
Trichloroethene	<0.49	ug/L	0.49	1.6	SW 8250B	04/16/2001	1059
Trichlorofluoromethane	<0.58	ug/L	0.58	1.8	SW 8260B	04/16/2001	1059
1,2,3-Trichloropropane	<0.28	ug/L	0.28	0.90	SW 8260B	04/16/2001	1059
1,2,4-Trimethylbenzene	<0.32	ug/L	0.32	1.0	SW 8260B	04/16/2001	1059
1,3,5-Trimethylbenzene	<0.33	ug/L	0.33	1.0	SW 8260B	04/16/2001	1059
Vinyl Chloride	<0.46	ug/L	0.46	1.5	SW 8260B	04/16/2001	1059

## ANALYTICAL REPORT

Mr. Steven Smith  
BT2, INC.  
2830 Dairy Drive  
Madison, WI 53704-6751

05/01/2001  
Job No: 01.02181  
Sample No: 432388  
Account No: 10100  
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JOB DESCRIPTION: 1764 Stoughton City Landfill  
PROJECT DESCRIPTION: Groundwater Analysis  
SAMPLE DESCRIPTION: 00133846 MW5D 1764 Stoughton LF  
Rec'd on ice

Date/Time Taken: 04/04/2001 17:45

Date Received: 04/05/2001

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
Xylenes, Total	<1.1	ug/L	1.1	3.6	SW 8260B	04/16/2001	1059
Surr: Dibromofluoromethane	100.6	%		87-120	SW 8260B	04/16/2001	1059
Surr: Toluene-d8	102.0	%		90-108	SW 8260B	04/16/2001	1059
Surr: Bromofluorobenzene	100.2	%		86-113	SW 8260B	04/16/2001	1059

## ANALYTICAL REPORT

Mr. Steven Smith  
 BT2, INC.  
 2830 Dairy Drive  
 Madison, WI 53704-6751

05/01/2001  
 Job No: 01.02181  
 Sample No: 432389  
 Account No: 10100  
 Page 43 of 60

JOB DESCRIPTION: 1764 Stoughton City Landfill  
 PROJECT DESCRIPTION: Groundwater Analysis  
 SAMPLE DESCRIPTION: 00133846 MWSD Dup 1764 Stoughton LF  
 Rec'd on ice

Date/Time Taken: 04/04/2001 17:45

Date Received: 04/05/2001

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
VOC - AQUEOUS - EPA 8260B							
Misc VOC Compounds							
Benzene	<0.31	ug/L	0.31	0.98	SW 8260B	04/16/2001	1059
Bromobenzene	<0.20	ug/L	0.20	0.64	SW 8260B	04/16/2001	1059
Bromochloromethane	<0.32	ug/L	0.32	1.0	SW 8260B	04/16/2001	1059
Bromodichloromethane	<0.20	ug/L	0.20	0.63	SW 8260B	04/16/2001	1059
Bromoform	<0.14	ug/L	0.14	0.45	SW 8260B	04/16/2001	1059
Bromomethane	<0.46	ug/L	0.46	1.5	SW 8260B	04/16/2001	1059
n-Butylbenzene	<0.44	ug/L	0.44	1.4	SW 8260B	04/16/2001	1059
sec-Butylbenzene	<0.45	ug/L	0.45	1.4	SW 8260B	04/16/2001	1059
tert-Butylbenzene	<0.38	ug/L	0.38	1.2	SW 8260B	04/16/2001	1059
Carbon Tetrachloride	<0.40	ug/L	0.40	1.3	SW 8260B	04/16/2001	1059
Chlorobenzene	<0.22	ug/L	0.22	0.69	SW 8260B	04/16/2001	1059
Chlorodibromomethane	<0.10	ug/L	0.10	0.33	SW 8260B	04/16/2001	1059
Chloroethane	<1.2	ug/L	1.2	3.9	SW 8260B	04/16/2001	1059
Chloroform	<0.18	ug/L	0.18	0.58	SW 8260B	04/16/2001	1059
Chloromethane	<0.38	ug/L	0.38	1.2	SW 8260B	04/16/2001	1059
2-Chlorotoluene	<0.28	ug/L	0.28	0.90	SW 8260B	04/16/2001	1059
4-Chlorotoluene	<0.47	ug/L	0.47	1.5	SW 8260B	04/16/2001	1059
1,2-Dibromo-3-Chloropropane	<1.4	ug/L	1.4	4.5	SW 8260B	04/16/2001	1059
1,2-Dibromoethane (EDB)	<0.16	ug/L	0.16	0.51	SW 8260B	04/16/2001	1059
Dibromomethane	<0.11	ug/L	0.11	0.36	SW 8260B	04/16/2001	1059
1,2-Dichlorobenzene	<0.20	ug/L	0.20	0.64	SW 8260B	04/16/2001	1059
1,3-Dichlorobenzene	<0.22	ug/L	0.22	0.71	SW 8260B	04/16/2001	1059
1,4-Dichlorobenzene	<0.35	ug/L	0.35	1.1	SW 8260B	04/16/2001	1059
Dichlorodifluoromethane	3.2	ug/L	0.49	1.6	SW 8260B	04/16/2001	1059
1,1-Dichloroethane	<0.25	ug/L	0.25	0.79	SW 8260B	04/16/2001	1059
1,2-Dichloroethane	<0.20	ug/L	0.20	0.63	SW 8260B	04/16/2001	1059
1,1-Dichloroethene	<0.73	ug/L	0.73	2.3	SW 8260B	04/16/2001	1059
cis-1,2-Dichloroethene	0.41	ug/L	0.23	0.74	SW 8260B	04/16/2001	1059
trans-1,2-Dichloroethene	<0.39	ug/L	0.39	1.2	SW 8260B	04/16/2001	1059
1,2-Dichloropropane	<0.29	ug/L	0.29	0.93	SW 8260B	04/16/2001	1059
1,3-Dichloropropane	<0.15	ug/L	0.15	0.46	SW 8260B	04/16/2001	1059
2,2-Dichloropropane	<0.37	ug/L	0.37	1.2	SW 8260B	04/16/2001	1059
1,1-Dichloropropene	<0.63	ug/L	0.63	2.0	SW 8260B	04/16/2001	1059
cis-1,3-Dichloropropene	<0.17	ug/L	0.17	0.56	SW 8260B	04/16/2001	1059
trans-1,3-Dichloropropene	<0.13	ug/L	0.13	0.42	SW 8260B	04/16/2001	1059
Di-isopropyl ether	<0.13	ug/L	0.13	0.41	SW 8260B	04/16/2001	1059
Ethylbenzene	<0.38	ug/L	0.38	1.2	SW 8260B	04/16/2001	1059

## ANALYTICAL REPORT

Mr. Steven Smith  
 BT2, INC.  
 2830 Dairy Drive  
 Madison, WI 53704-6751

05/01/2001  
 Job No: 01.02181  
 Sample No: 432389  
 Account No: 10100  
 Page 44 of 60

JOB DESCRIPTION: 1764 Stoughton City Landfill  
 PROJECT DESCRIPTION: Groundwater Analysis  
 SAMPLE DESCRIPTION: 00133846 MW5D Dup 1764 Stoughton LF  
 Rec'd on ice

Date/Time Taken: 04/04/2001 17:45

Date Received: 04/05/2001

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
Hexachlorobutadiene	<0.37	ug/L	0.37	1.2	SW 8260B	04/16/2001	1059
Isopropylbenzene	<0.36	ug/L	0.36	1.1	SW 8260B	04/16/2001	1059
p-Isopropyltoluene	<0.35	ug/L	0.35	1.1	SW 8260B	04/16/2001	1059
Methylene Chloride	<0.87	ug/L	0.87	3.1	SW 8260B	04/16/2001	1059
Methyl-t-butyl ether	<0.14	ug/L	0.14	0.45	SW 8260B	04/16/2001	1059
Naphthalene	<0.35	ug/L	0.35	1.1	SW 8260B	04/16/2001	1059
n-Propylbenzene	<0.46	ug/L	0.46	1.5	SW 8260B	04/16/2001	1059
Styrene	<0.16	ug/L	0.16	0.51	SW 8260B	04/16/2001	1059
1,1,1,2-Tetrachloroethane	<0.11	ug/L	0.11	0.34	SW 8260B	04/16/2001	1059
1,1,2,2-Tetrachloroethane	<0.39	ug/L	0.39	1.3	SW 8260B	04/16/2001	1059
Tetrachloroethene	<0.63	ug/L	0.63	2.0	SW 8260B	04/16/2001	1059
Tetrahydrofuran	2.2	ug/L	1.9	6.1	SW 8260B	04/16/2001	490
Toluene	<0.39	ug/L	0.39	1.3	SW 8260B	04/16/2001	1059
1,2,3-Trichlorobenzene	<0.32	ug/L	0.32	1.0	SW 8260B	04/16/2001	1059
1,2,4-Trichlorobenzene	<0.18	ug/L	0.18	0.57	SW 8260B	04/16/2001	1059
1,1,1-Trichloroethane	<0.28	ug/L	0.28	0.88	SW 8260B	04/16/2001	1059
1,1,2-Trichloroethane	<0.15	ug/L	0.15	0.46	SW 8260B	04/16/2001	1059
Trichloroethene	<0.49	ug/L	0.49	1.6	SW 8260B	04/16/2001	1059
Trichlorofluoromethane	<0.58	ug/L	0.58	1.8	SW 8260B	04/16/2001	1059
1,2,3-Trichloropropane	<0.28	ug/L	0.28	0.90	SW 8260B	04/16/2001	1059
1,2,4-Trimethylbenzene	<0.32	ug/L	0.32	1.0	SW 8260B	04/16/2001	1059
1,3,5-Trimethylbenzene	<0.33	ug/L	0.33	1.0	SW 8260B	04/16/2001	1059
Vinyl Chloride	<0.46	ug/L	0.46	1.5	SW 8260B	04/16/2001	1059
Xylenes, Total	<1.1	ug/L	1.1	3.6	SW 8260B	04/16/2001	1059
Surr: Dibromofluoromethane	102.0	%		87-120	SW 8260B	04/16/2001	1059
Surr: Toluene-d8	102.0	%		90-108	SW 8260B	04/16/2001	1059
Surr: Bromofluorobenzene	100.6	%		86-113	SW 8260B	04/16/2001	1059

## ANALYTICAL REPORT

Mr. Steven Smith  
 BT2, INC.  
 2830 Dairy Drive  
 Madison, WI 53704-6751

05/01/2001  
 Job No: 01.02181  
 Sample No: 432390  
 Account No: 10100  
 Page 45 of 60

JOB DESCRIPTION: 1764 Stoughton City Landfill  
 PROJECT DESCRIPTION: Groundwater Analysis  
 SAMPLE DESCRIPTION: 00133856 MW10S 1764 Stoughton LF  
 Rec'd on ice

Date/Time Taken: 04/04/2001 18:20

Date Received: 04/05/2001

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
Antimony, GFAA	<0.0019	mg/L	0.0019	0.0067	EPA 204.2	05/01/2001	259 304
Arsenic, GFAA	0.035	mg/L	0.0018	0.0065	EPA 206.2	04/20/2001	1106 789
Barium, ICP	0.17	mg/L	0.0007	0.0025	SW 6010B	04/13/2001	1880 939
Beryllium, GFAA	0.000057	mg/L	0.000017	0.000059	EPA 210.2	04/23/2001	1106 147
Boron, ICP	0.056	mg/L	0.017	0.054	SW 6010B	04/12/2001	752
Cadmium, GFAA	0.00067	mg/L	0.000042	0.00015	EPA 213.2	04/19/2001	1106 901
Chromium, ICP	0.036	mg/L	0.0034	0.012	SW 6010B	04/13/2001	1880 752
Cobalt, ICP	0.012	mg/L	0.0052	0.019	SW 6010B	04/13/2001	1880 752
Copper, ICP	0.047	mg/L	0.013	0.046	SW 6010B	04/13/2001	1880 846
Lead, GFAA	0.0024	mg/L	0.0012	0.0044	EPA 239.2	04/18/2001	1106 2038
Mercury, CVAA	<0.000056	mg/L	0.000056	0.00020	EPA 245.1	04/20/2001	37 1689
Nickel, ICP	0.025	mg/L	0.0036	0.013	SW 6010B	04/13/2001	1880 758
Selenium, GFAA	<0.0015	mg/L	0.0015	0.0054	EPA 270.2	04/26/2001	1106 669
Silver, ICP	<0.0013	mg/L	0.0013	0.0047	SW 6010B	04/13/2001	1880 730
Thallium, GFAA	<0.0014	mg/L	0.0014	0.0048	EPA 279.2	04/24/2001	1106 310
Vanadium, ICP	0.045	mg/L	0.0014	0.0049	SW 6010B	04/13/2001	1880 725
VOC - AQUEOUS - EPA 8260B							
Misc VOC Compounds							
Benzene	<0.31	ug/L	0.31	0.98	SW 8260B	04/16/2001	1059
Bromobenzene	<0.20	ug/L	0.20	0.64	SW 8260B	04/16/2001	1059
Bromochloromethane	<0.32	ug/L	0.32	1.0	SW 8260B	04/16/2001	1059
Bromodichloromethane	<0.20	ug/L	0.20	0.63	SW 8260B	04/16/2001	1059
Bromoform	<0.14	ug/L	0.14	0.45	SW 8260B	04/16/2001	1059
Bromomethane	<0.46	ug/L	0.46	1.5	SW 8260B	04/16/2001	1059
n-Butylbenzene	<0.44	ug/L	0.44	1.4	SW 8260B	04/16/2001	1059
sec-Butylbenzene	<0.45	ug/L	0.45	1.4	SW 8260B	04/16/2001	1059
tert-Butylbenzene	<0.38	ug/L	0.38	1.2	SW 8260B	04/16/2001	1059
Carbon Tetrachloride	<0.40	ug/L	0.40	1.3	SW 8260B	04/16/2001	1059
Chlorobenzene	<0.22	ug/L	0.22	0.69	SW 8260B	04/16/2001	1059
Chlorodibromomethane	<0.10	ug/L	0.10	0.33	SW 8260B	04/16/2001	1059
Chloroethane	<1.2	ug/L	1.2	3.9	SW 8260B	04/16/2001	1059
Chloroform	<0.18	ug/L	0.18	0.58	SW 8260B	04/16/2001	1059
Chloromethane	<0.38	ug/L	0.38	1.2	SW 8260B	04/16/2001	1059
2-Chlorotoluene	<0.28	ug/L	0.28	0.90	SW 8260B	04/16/2001	1059
4-Chlorotoluene	<0.47	ug/L	0.47	1.5	SW 8260B	04/16/2001	1059
1,2-Dibromo-3-Chloropropane	<1.4	ug/L	1.4	4.5	SW 8260B	04/16/2001	1059
1,2-Dibromoethane (EDB)	<0.16	ug/L	0.16	0.51	SW 8260B	04/16/2001	1059
Dibromomethane	<0.11	ug/L	0.11	0.36	SW 8260B	04/16/2001	1059
1,2-Dichlorobenzene	<0.20	ug/L	0.20	0.64	SW 8260B	04/16/2001	1059

## ANALYTICAL REPORT

Mr. Steven Smith  
 BT2, INC.  
 2830 Dairy Drive  
 Madison, WI 53704-6751

05/01/2001  
 Job No: 01.02181  
 Sample No: 432390  
 Account No: 10100  
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JOB DESCRIPTION: 1764 Stoughton City Landfill  
 PROJECT DESCRIPTION: Groundwater Analysis  
 SAMPLE DESCRIPTION: 00133856 MW10S 1764 Stoughton LF  
 Rec'd on ice

Date/Time Taken: 04/04/2001 18:20

Date Received: 04/05/2001

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
1,3-Dichlorobenzene	<0.22	ug/L	0.22	0.71	SW 8260B	04/16/2001	1059
1,4-Dichlorobenzene	<0.35	ug/L	0.35	1.1	SW 8260B	04/16/2001	1059
Dichlorodifluoromethane	5.3	ug/L	0.49	1.6	SW 8260B	04/16/2001	1059
1,1-Dichloroethane	<0.25	ug/L	0.25	0.79	SW 8260B	04/16/2001	1059
1,2-Dichloroethane	<0.20	ug/L	0.20	0.63	SW 8260B	04/16/2001	1059
1,1-Dichloroethene	<0.73	ug/L	0.73	2.3	SW 8260B	04/16/2001	1059
cis-1,2-Dichloroethene	<0.23	ug/L	0.23	0.74	SW 8260B	04/16/2001	1059
trans-1,2-Dichloroethene	<0.39	ug/L	0.39	1.2	SW 8260B	04/16/2001	1059
1,2-Dichloropropane	<0.29	ug/L	0.29	0.93	SW 8260B	04/16/2001	1059
1,3-Dichloropropane	<0.15	ug/L	0.15	0.46	SW 8260B	04/16/2001	1059
2,2-Dichloropropane	<0.37	ug/L	0.37	1.2	SW 8260B	04/16/2001	1059
1,1-Dichloropropene	<0.63	ug/L	0.63	2.0	SW 8260B	04/16/2001	1059
cis-1,3-Dichloropropene	<0.17	ug/L	0.17	0.56	SW 8260B	04/16/2001	1059
trans-1,3-Dichloropropene	<0.13	ug/L	0.13	0.42	SW 8260B	04/16/2001	1059
Di-isopropyl ether	<0.13	ug/L	0.13	0.41	SW 8260B	04/16/2001	1059
Ethylbenzene	<0.38	ug/L	0.38	1.2	SW 8260B	04/16/2001	1059
Hexachlorobutadiene	<0.37	ug/L	0.37	1.2	SW 8260B	04/16/2001	1059
Isopropylbenzene	<0.36	ug/L	0.36	1.1	SW 8260B	04/16/2001	1059
p-Isopropyltoluene	<0.35	ug/L	0.35	1.1	SW 8260B	04/16/2001	1059
Methylene Chloride	<0.87	ug/L	0.87	3.1	SW 8260B	04/16/2001	1059
Methyl-t-butyl ether	<0.14	ug/L	0.14	0.45	SW 8260B	04/16/2001	1059
Naphthalene	<0.35	ug/L	0.35	1.1	SW 8260B	04/16/2001	1059
n-Propylbenzene	<0.46	ug/L	0.46	1.5	SW 8260B	04/16/2001	1059
Styrene	<0.16	ug/L	0.16	0.51	SW 8260B	04/16/2001	1059
1,1,1,2-Tetrachloroethane	<0.11	ug/L	0.11	0.34	SW 8260B	04/16/2001	1059
1,1,2,2-Tetrachloroethane	<0.39	ug/L	0.39	1.3	SW 8260B	04/16/2001	1059
Tetrachloroethene	<0.63	ug/L	0.63	2.0	SW 8260B	04/16/2001	1059
Tetrahydrofuran	<1.9	ug/L	1.9	6.1	SW 8260B	04/16/2001	490
Toluene	<0.39	ug/L	0.39	1.3	SW 8260B	04/16/2001	1059
1,2,3-Trichlorobenzene	<0.32	ug/L	0.32	1.0	SW 8260B	04/16/2001	1059
1,2,4-Trichlorobenzene	<0.18	ug/L	0.18	0.57	SW 8260B	04/16/2001	1059
1,1,1-Trichloroethane	<0.28	ug/L	0.28	0.88	SW 8260B	04/16/2001	1059
1,1,2-Trichloroethane	<0.15	ug/L	0.15	0.46	SW 8260B	04/16/2001	1059
Trichloroethene	<0.49	ug/L	0.49	1.6	SW 8260B	04/16/2001	1059
Trichlorofluoromethane	<0.58	ug/L	0.58	1.8	SW 8260B	04/16/2001	1059
1,2,3-Trichloropropane	<0.28	ug/L	0.28	0.90	SW 8260B	04/16/2001	1059
1,2,4-Trimethylbenzene	<0.32	ug/L	0.32	1.0	SW 8260B	04/16/2001	1059
1,3,5-Trimethylbenzene	<0.33	ug/L	0.33	1.0	SW 8260B	04/16/2001	1059
Vinyl Chloride	<0.46	ug/L	0.46	1.5	SW 8260B	04/16/2001	1059

## ANALYTICAL REPORT

Mr. Steven Smith  
BT2, INC.  
2830 Dairy Drive  
Madison, WI 53704-6751

05/01/2001  
Job No: 01.02181  
Sample No: 432390  
Account No: 10100  
Page 47 of 60

JOB DESCRIPTION: 1764 Stoughton City Landfill  
PROJECT DESCRIPTION: Groundwater Analysis  
SAMPLE DESCRIPTION: 00133856 MW10S 1764 Stoughton LF  
Rec'd on ice

Date/Time Taken: 04/04/2001 18:20

Date Received: 04/05/2001

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
Xylenes, Total	<1.1	ug/L	1.1	3.6	SW 8260B	04/16/2001	1059
Surr: Dibromofluoromethane	107.2	%		87-120	SW 8260B	04/16/2001	1059
Surr: Toluene-d8	101.8	%		90-108	SW 8260B	04/16/2001	1059
Surr: Bromofluorobenzene	100.2	%		86-113	SW 8260B	04/16/2001	1059



## ANALYTICAL REPORT

Mr. Steven Smith  
 BT2, INC.  
 2830 Dairy Drive  
 Madison, WI 53704-6751

05/01/2001  
 Job No: 01.02181  
 Sample No: 432391  
 Account No: 10100  
 Page 48 of 60

JOB DESCRIPTION: 1764 Stoughton City Landfill  
 PROJECT DESCRIPTION: Groundwater Analysis  
 SAMPLE DESCRIPTION: 00133857 MW10I 1764 Stoughton LF  
 Rec'd on ice

Date/Time Taken: 04/04/2001 18:30

Date Received: 04/05/2001

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
Antimony, GFAA	<0.0019	mg/L	0.0019	0.0067	EPA 204.2	05/01/2001	260 305
Arsenic, GFAA	<0.0018	mg/L	0.0018	0.0065	EPA 206.2	04/20/2001	1106 789
Barium, ICP	0.031	mg/L	0.0007	0.0025	SW 6010B	04/13/2001	1880 939
Beryllium, GFAA	<0.000017	mg/L	0.000017	0.000059	EPA 210.2	04/23/2001	1106 147
Boron, ICP	0.11	mg/L	0.017	0.054	SW 6010B	04/12/2001	752
Cadmium, GFAA	<0.000042	mg/L	0.000042	0.00015	EPA 213.2	04/19/2001	1106 901
Chromium, ICP	<0.0034	mg/L	0.0034	0.012	SW 6010B	04/13/2001	1880 752
Cobalt, ICP	<0.0036	mg/L	0.0036	0.013	SW 6010B	04/13/2001	1880 752
Copper, ICP	<0.013	mg/L	0.013	0.046	SW 6010B	04/13/2001	1880 846
Lead, GFAA	<0.0012	mg/L	0.0012	0.0044	EPA 239.2	04/18/2001	1106 2038
Mercury, CVAA	<0.000056	mg/L	0.000056	0.00020	EPA 245.1	04/19/2001	38 1688
Nickel, ICP	<0.0036	mg/L	0.0036	0.013	SW 6010B	04/13/2001	1880 758
Selenium, GFAA	<0.0015	mg/L	0.0015	0.0054	EPA 270.2	04/26/2001	1106 669
Silver, ICP	<0.0013	mg/L	0.0013	0.0047	SW 6010B	04/13/2001	1880 730
Thallium, GFAA	0.0015	mg/L	0.0014	0.0048	EPA 279.2	04/24/2001	1106 310
Vanadium, ICP	<0.0025	mg/L	0.0025	0.0090	SW 6010B	04/13/2001	1880 725
VOC - AQUEOUS - EPA 8260B							
Misc VOC Compounds							
Benzene	<0.31	ug/L	0.31	0.98	SW 8260B	04/16/2001	1059
Bromobenzene	<0.20	ug/L	0.20	0.64	SW 8260B	04/16/2001	1059
Bromochloromethane	<0.32	ug/L	0.32	1.0	SW 8260B	04/16/2001	1059
Bromodichloromethane	<0.20	ug/L	0.20	0.63	SW 8260B	04/16/2001	1059
Bromoform	<0.14	ug/L	0.14	0.45	SW 8260B	04/16/2001	1059
Bromomethane	<0.46	ug/L	0.46	1.5	SW 8260B	04/16/2001	1059
n-Butylbenzene	<0.44	ug/L	0.44	1.4	SW 8260B	04/16/2001	1059
sec-Butylbenzene	<0.45	ug/L	0.45	1.4	SW 8260B	04/16/2001	1059
tert-Butylbenzene	<0.38	ug/L	0.38	1.2	SW 8260B	04/16/2001	1059
Carbon Tetrachloride	<0.40	ug/L	0.40	1.3	SW 8260B	04/16/2001	1059
Chlorobenzene	<0.22	ug/L	0.22	0.69	SW 8260B	04/16/2001	1059
Chlorodibromomethane	<0.10	ug/L	0.10	0.33	SW 8260B	04/16/2001	1059
Chloroethane	<1.2	ug/L	1.2	3.9	SW 8260B	04/16/2001	1059
Chloroform	<0.18	ug/L	0.18	0.58	SW 8260B	04/16/2001	1059
Chloromethane	<0.38	ug/L	0.38	1.2	SW 8260B	04/16/2001	1059
2-Chlorotoluene	<0.28	ug/L	0.28	0.90	SW 8260B	04/16/2001	1059
4-Chlorotoluene	<0.47	ug/L	0.47	1.5	SW 8260B	04/16/2001	1059
1,2-Dibromo-3-Chloropropane	<1.4	ug/L	1.4	4.5	SW 8260B	04/16/2001	1059
1,2-Dibromoethane (EDB)	<0.16	ug/L	0.16	0.51	SW 8260B	04/16/2001	1059
Dibromomethane	<0.11	ug/L	0.11	0.36	SW 8260B	04/16/2001	1059
1,2-Dichlorobenzene	<0.20	ug/L	0.20	0.64	SW 8260B	04/16/2001	1059

## ANALYTICAL REPORT

Mr. Steven Smith  
 BT2, INC.  
 2830 Dairy Drive  
 Madison, WI 53704-6751

05/01/2001  
 Job No: 01.02181  
 Sample No: 432391  
 Account No: 10100  
 Page 49 of 60

JOB DESCRIPTION: 1764 Stoughton City Landfill  
 PROJECT DESCRIPTION: Groundwater Analysis  
 SAMPLE DESCRIPTION: 00133857 MW10I 1764 Stoughton LF  
 Rec'd on ice

Date/Time Taken: 04/04/2001 18:30      Date Received: 04/05/2001

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
1,3-Dichlorobenzene	<0.22	ug/L	0.22	0.71	SW 8260B	04/16/2001	1059
1,4-Dichlorobenzene	<0.35	ug/L	0.35	1.1	SW 8260B	04/16/2001	1059
Dichlorodifluoromethane	J 163	ug/L	0.49	1.6	SW 8260B	04/16/2001	1059
1,1-Dichloroethane	0.64	ug/L	0.25	0.79	SW 8260B	04/16/2001	1059
1,2-Dichloroethane	<0.20	ug/L	0.20	0.63	SW 8260B	04/16/2001	1059
1,1-Dichloroethene	<0.73	ug/L	0.73	2.3	SW 8260B	04/16/2001	1059
cis-1,2-Dichloroethene	2.1	ug/L	0.23	0.74	SW 8260B	04/16/2001	1059
trans-1,2-Dichloroethene	<0.39	ug/L	0.39	1.2	SW 8260B	04/16/2001	1059
1,2-Dichloropropane	0.32	ug/L	0.29	0.93	SW 8260B	04/16/2001	1059
1,3-Dichloropropane	<0.15	ug/L	0.15	0.46	SW 8260B	04/16/2001	1059
2,2-Dichloropropane	<0.37	ug/L	0.37	1.2	SW 8260B	04/16/2001	1059
1,1-Dichloropropene	<0.63	ug/L	0.63	2.0	SW 8260B	04/16/2001	1059
cis-1,3-Dichloropropene	<0.17	ug/L	0.17	0.56	SW 8260B	04/16/2001	1059
trans-1,3-Dichloropropene	<0.13	ug/L	0.13	0.42	SW 8260B	04/16/2001	1059
Di-isopropyl ether	<0.13	ug/L	0.13	0.41	SW 8260B	04/16/2001	1059
Ethylbenzene	<0.38	ug/L	0.38	1.2	SW 8260B	04/16/2001	1059
Hexachlorobutadiene	<0.37	ug/L	0.37	1.2	SW 8260B	04/16/2001	1059
Isopropylbenzene	<0.36	ug/L	0.36	1.1	SW 8260B	04/16/2001	1059
p-Isopropyltoluene	<0.35	ug/L	0.35	1.1	SW 8260B	04/16/2001	1059
Methylene Chloride	<0.87	ug/L	0.87	3.1	SW 8260B	04/16/2001	1059
Methyl-t-butyl ether	<0.14	ug/L	0.14	0.45	SW 8260B	04/16/2001	1059
Naphthalene	<0.35	ug/L	0.35	1.1	SW 8260B	04/16/2001	1059
n-Propylbenzene	<0.46	ug/L	0.46	1.5	SW 8260B	04/16/2001	1059
Styrene	<0.16	ug/L	0.16	0.51	SW 8260B	04/16/2001	1059
1,1,1,2-Tetrachloroethane	<0.11	ug/L	0.11	0.34	SW 8260B	04/16/2001	1059
1,1,2,2-Tetrachloroethane	<0.39	ug/L	0.39	1.3	SW 8260B	04/16/2001	1059
Tetrachloroethene	2.5	ug/L	0.63	2.0	SW 8260B	04/16/2001	1059
Tetrahydrofuran	5.1	ug/L	1.9	6.1	SW 8260B	04/16/2001	490
Toluene	<0.39	ug/L	0.39	1.3	SW 8260B	04/16/2001	1059
1,2,3-Trichlorobenzene	<0.32	ug/L	0.32	1.0	SW 8260B	04/16/2001	1059
1,2,4-Trichlorobenzene	<0.18	ug/L	0.18	0.57	SW 8260B	04/16/2001	1059
1,1,1-Trichloroethane	<0.28	ug/L	0.28	0.88	SW 8260B	04/16/2001	1059
1,1,2-Trichloroethane	<0.15	ug/L	0.15	0.46	SW 8260B	04/16/2001	1059
Trichloroethene	1.5	ug/L	0.49	1.6	SW 8260B	04/16/2001	1059
Trichlorofluoromethane	1.4	ug/L	0.58	1.8	SW 8260B	04/16/2001	1059
1,2,3-Trichloropropane	<0.28	ug/L	0.28	0.90	SW 8260B	04/16/2001	1059
1,2,4-Trimethylbenzene	<0.32	ug/L	0.32	1.0	SW 8260B	04/16/2001	1059
1,3,5-Trimethylbenzene	<0.33	ug/L	0.33	1.0	SW 8260B	04/16/2001	1059
Vinyl Chloride	1.0	ug/L	0.46	1.5	SW 8260B	04/16/2001	1059

## ANALYTICAL REPORT

Mr. Steven Smith  
BT2, INC.  
2830 Dairy Drive  
Madison, WI 53704-6751

05/01/2001  
Job No: 01.02181  
Sample No: 432391  
Account No: 10100  
Page 50 of 60

JOB DESCRIPTION: 1764 Stoughton City Landfill  
PROJECT DESCRIPTION: Groundwater Analysis  
SAMPLE DESCRIPTION: 00133857 MW10I 1764 Stoughton LF  
Rec'd on ice

Date/Time Taken: 04/04/2001 18:30

Date Received: 04/05/2001

Parameter	Results	Units	MDL	LOQ	Method	Date	Prep/Run
						Analyzed	Batch
Xylenes, Total	<1.1	ug/L	1.1	3.6	SW 8260B	04/16/2001	1059
Surr: Dibromofluoromethane	106.2	%		87-120	SW 8260B	04/16/2001	1059
Surr: Toluene-d8	102.2	%		90-108	SW 8260B	04/16/2001	1059
Surr: Bromofluorobenzene	99.0	%		86-113	SW 8260B	04/16/2001	1059

## ANALYTICAL REPORT

Mr. Steven Smith  
 BT2, INC.  
 2830 Dairy Drive  
 Madison, WI 53704-6751

05/01/2001  
 Job No: 01.02181  
 Sample No: 432392  
 Account No: 10100  
 Page 51 of 60

JOB DESCRIPTION: 1764 Stoughton City Landfill  
 PROJECT DESCRIPTION: Groundwater Analysis  
 SAMPLE DESCRIPTION: 00133858 MW10D 1764 Stoughton LF  
 Rec'd on ice

Date/Time Taken: 04/04/2001 18:55      Date Received: 04/05/2001

Parameter	Results	Units	MDL	LOQ	Method	Date		Prep/Run		
						Analyzed	Batch	Batch	Batch	
Antimony, GFAA	<0.0019	mg/L	0.0019	0.0067	EPA 204.2	05/01/2001	260	305		
Arsenic, GFAA	<0.0018	mg/L	0.0018	0.0065	EPA 206.2	04/20/2001	1106	789		
Barium, ICP	0.034	mg/L	0.0007	0.0025	SW 6010B	04/13/2001	1879	938		
Beryllium, GFAA	0.000087	mg/L	0.000017	0.000059	EPA 210.2	04/23/2001	1106	147		
Boron, ICP	0.030	mg/L	0.017	0.054	SW 6010B	04/12/2001		750		
Cadmium, GFAA	<0.000042	mg/L	0.000042	0.00015	EPA 213.2	04/19/2001	1106	901		
Chromium, ICP	0.035	mg/L	0.0034	0.012	SW 6010B	04/13/2001	1879	751		
Cobalt, ICP	<0.0036	mg/L	0.0036	0.013	SW 6010B	04/13/2001	1879	751		
Copper, ICP	<0.013	mg/L	0.013	0.046	SW 6010B	04/13/2001	1879	845		
Lead, GFAA	<0.0012	mg/L	0.0012	0.0044	EPA 239.2	04/18/2001	1106	2038		
Mercury, CVAA	<0.000056	mg/L	0.000056	0.00020	EPA 245.1	04/19/2001	38	1688		
Nickel, ICP	<0.0036	mg/L	0.0036	0.013	SW 6010B	04/13/2001	1879	757		
Selenium, GFAA	<0.0015	mg/L	0.0015	0.0054	EPA 270.2	04/26/2001	1106	669		
Silver, ICP	<0.0013	mg/L	0.0013	0.0047	SW 6010B	04/13/2001	1879	729		
Thallium, GFAA	<0.0014	mg/L	0.0014	0.0048	EPA 279.2	04/24/2001	1106	310		
Vanadium, ICP	<0.0025	mg/L	0.0025	0.0090	SW 6010B	04/13/2001	1879	724		
VOC - AQUEOUS - EPA 8260B										
Misc VOC Compounds										
Dichlorodifluoromethane	<0.49	ug/L	0.49	1.6	SW 8260B	04/17/2001		1064		
Tetrahydrofuran	<1.9	ug/L	1.9	6.1	SW 8260B	04/17/2001		492		
Surr: Dibromofluoromethane	104.6	%		87-120	SW 8260B	04/17/2001		1064		
Surr: Toluene-d8	102.2	%		90-108	SW 8260B	04/17/2001		1064		
Surr: Bromofluorobenzene	103.0	%		86-113	SW 8260B	04/17/2001		1064		

## QUALITY CONTROL REPORT BLANKS

05/01/2001

Mr. Steven Smith  
BT2, INC.  
2830 Dairy Drive  
Madison, WI 53704-6751

Job No: 01.02181  
Account No: 10100

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Job Description: 1764 Stoughton City Landfill

Parameter	Prep Batch	Run Batch	Blank Result	MDL	LOQ	Units
Antimony, GFAA	259	303	<0.0019	0.0019	0.0067	mg/L
Antimony, GFAA		303	<0.0019	0.0019	0.0067	mg/L
Antimony, GFAA		304	<0.0019	0.0019	0.0067	mg/L
Antimony, GFAA	260	305	<0.0019	0.0019	0.0067	mg/L
Antimony, GFAA		305	<0.0019	0.0019	0.0067	mg/L
Arsenic, GFAA	1105	788	<0.0018	0.0018	0.0065	mg/L
Arsenic, GFAA		788	<0.0018	0.0018	0.0065	mg/L
Arsenic, GFAA	1106	789	<0.0018	0.0018	0.0065	mg/L
Arsenic, GFAA		789	<0.0018	0.0018	0.0065	mg/L
Barium, ICP		938	<0.0007	0.0007	0.0025	mg/L
Barium, ICP		939	<0.0007	0.0007	0.0025	mg/L
Beryllium, GFAA	1105	146	0.000022	0.000017	0.000059	mg/L
Beryllium, GFAA		146	<0.000017	0.000017	0.000059	mg/L
Beryllium, GFAA	1106	147	0.000040	0.000017	0.000059	mg/L
Beryllium, GFAA		147	<0.000017	0.000017	0.000059	mg/L
Boron, ICP		750	<0.017	0.017	0.054	mg/L
Boron, ICP		751	<0.017	0.017	0.054	mg/L
Boron, ICP		752	<0.017	0.017	0.054	mg/L
Cadmium, GFAA	1105	899	<0.000042	0.000042	0.00015	mg/L
Cadmium, GFAA		900	<0.000042	0.000042	0.00015	mg/L
Cadmium, GFAA	1106	901	<0.000042	0.000042	0.00015	mg/L
Cadmium, GFAA		901	<0.000042	0.000042	0.00015	mg/L
Chromium, ICP		751	<0.0034	0.0034	0.012	mg/L
Chromium, ICP		752	<0.0034	0.0034	0.012	mg/L
Cobalt, ICP		751	<0.0036	0.0036	0.013	mg/L
Cobalt, ICP		752	<0.0036	0.0052	0.019	mg/L
Copper, ICP		845	<0.013	0.013	0.046	mg/L
Copper, ICP		846	<0.013	0.013	0.046	mg/L
Lead, GFAA	1105	2036	<0.0012	0.0012	0.0044	mg/L
Lead, GFAA		2036	<0.0012	0.0012	0.0044	mg/L
Lead, GFAA		2037	<0.0012	0.0012	0.0044	mg/L
Lead, GFAA	1106	2038	<0.0012	0.0012	0.0044	mg/L
Lead, GFAA		2038	<0.0012	0.0012	0.0044	mg/L
Mercury, CVAA	38	1688	<0.000056	0.000056	0.00020	mg/L
Mercury, CVAA		1688	<0.000056	0.000056	0.00020	mg/L
Mercury, CVAA	37	1689	<0.000056	0.000056	0.00020	mg/L
Mercury, CVAA		1689	<0.000056	0.000056	0.00020	mg/L

Method blank results exceed control limits when results are higher than the highest of any of the following: 1 - The limit of detection; 2 - Five percent of the regulatory limit for that analyte; 3 - Five percent of the measured concentration in the sample. NR149.14 (3)d

## QUALITY CONTROL REPORT BLANKS

05/01/2001

Mr. Steven Smith  
BT2, INC.  
2830 Dairy Drive  
Madison, WI 53704-6751

Job No: 01.02181  
Account No: 10100

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Job Description: 1764 Stoughton City Landfill

Parameter	Prep Batch	Run Batch	Blank Result	MDL	LOQ	Units
Nickel, ICP		757	<0.0036	0.0036	0.013	mg/L
Nickel, ICP		758	<0.0036	0.0036	0.013	mg/L
Selenium, GFAA	1105	668	<0.0015	0.0015	0.0054	mg/L
Selenium, GFAA		668	<0.0015	0.0015	0.0054	mg/L
Selenium, GFAA		668	<0.0015	0.0015	0.0054	mg/L
Selenium, GFAA	1106	669	<0.0015	0.0015	0.0054	mg/L
Selenium, GFAA		669	<0.0015	0.0015	0.0054	mg/L
Selenium, GFAA		669	<0.0015	0.0015	0.0054	mg/L
Silver, ICP		729	<0.0013	0.0013	0.0047	mg/L
Silver, ICP		730	<0.0013	0.0013	0.0047	mg/L
Thallium, GFAA	1105	309	<0.0014	0.0014	0.0048	mg/L
Thallium, GFAA		309	<0.0014	0.0014	0.0048	mg/L
Thallium, GFAA	1106	310	<0.0014	0.0014	0.0048	mg/L
Thallium, GFAA		310	<0.0014	0.0014	0.0048	mg/L
Thallium, GFAA		310	<0.0014	0.0014	0.0048	mg/L
Vanadium, ICP		724	<0.0025	0.0025	0.0090	mg/L
Vanadium, ICP		725	<0.0025	0.0014	0.0049	mg/L
VOC - AQUEOUS - EPA 8260B						
Benzene		1059	<0.31	0.31	0.98	ug/L
Bromobenzene		1059	<0.20	0.20	0.64	ug/L
Bromochloromethane		1059	<0.32	0.32	1.0	ug/L
Bromodichloromethane		1059	<0.20	0.20	0.63	ug/L
Bromoform		1059	<0.14	0.14	0.45	ug/L
Bromomethane		1059	<0.46	0.46	1.5	ug/L
n-Butylbenzene		1059	<0.44	0.44	1.4	ug/L
sec-Butylbenzene		1059	<0.45	0.45	1.4	ug/L
tert-Butylbenzene		1059	<0.38	0.38	1.2	ug/L
Carbon Tetrachloride		1059	<0.40	0.40	1.3	ug/L
Chlorobenzene		1059	<0.22	0.22	0.69	ug/L
Chlorodibromomethane		1059	<0.10	0.10	0.33	ug/L
Chloroethane		1059	<1.2	1.2	3.9	ug/L
Chloroform		1059	<0.18	0.18	0.58	ug/L
Chloromethane		1059	<0.38	0.38	1.2	ug/L
2-Chlorotoluene		1059	<0.28	0.28	0.90	ug/L
4-Chlorotoluene		1059	<0.47	0.47	1.5	ug/L
1,2-Dibromo-3-Chloropropane		1059	<1.4	1.4	4.5	ug/L
1,2-Dibromoethane (EDB)		1059	<0.16	0.16	0.51	ug/L

Method blank results exceed control limits when results are higher than the highest of any of the following: 1 - The limit of detection; 2 - Five percent of the regulatory limit for that analyte; 3 - Five percent of the measured concentration in the sample. NR149.14 (3)d

## QUALITY CONTROL REPORT

### BLANKS

05/01/2001

Mr. Steven Smith  
 BT2, INC.  
 2830 Dairy Drive  
 Madison, WI 53704-6751

Job No: 01.02181  
 Account No: 10100

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Job Description: 1764 Stoughton City Landfill

Parameter	Prep Batch	Run Batch	Blank Result	MDL	LOQ	Units
Dibromomethane		1059	<0.11	0.11	0.36	ug/L
1,2-Dichlorobenzene		1059	<0.20	0.20	0.64	ug/L
1,3-Dichlorobenzene		1059	<0.22	0.22	0.71	ug/L
1,4-Dichlorobenzene		1059	<0.35	0.35	1.1	ug/L
Dichlorodifluoromethane		1059	<0.49	0.49	1.6	ug/L
1,1-Dichloroethane		1059	<0.25	0.25	0.79	ug/L
1,2-Dichloroethane		1059	<0.20	0.20	0.63	ug/L
1,1-Dichloroethene		1059	<0.73	0.73	2.3	ug/L
cis-1,2-Dichloroethene		1059	<0.23	0.23	0.74	ug/L
trans-1,2-Dichloroethene		1059	<0.39	0.39	1.2	ug/L
1,2-Dichloropropane		1059	<0.29	0.29	0.93	ug/L
1,3-Dichloropropane		1059	<0.15	0.15	0.46	ug/L
2,2-Dichloropropane		1059	<0.37	0.37	1.2	ug/L
1,1-Dichloropropene		1059	<0.63	0.63	2.0	ug/L
cis-1,3-Dichloropropene		1059	<0.17	0.17	0.56	ug/L
trans-1,3-Dichloropropene		1059	<0.13	0.13	0.42	ug/L
Di-isopropyl ether		1059	<0.13	0.13	0.41	ug/L
Ethylbenzene		1059	<0.38	0.38	1.2	ug/L
Hexachlorobutadiene		1059	<0.37	0.37	1.2	ug/L
Isopropylbenzene		1059	<0.36	0.36	1.1	ug/L
p-Isopropyltoluene		1059	<0.35	0.35	1.1	ug/L
Methylene Chloride		1059	<0.87	0.87	3.1	ug/L
Methyl-t-butyl ether		1059	<0.14	0.14	0.45	ug/L
Naphthalene		1059	<0.35	0.35	1.1	ug/L
n-Propylbenzene		1059	<0.46	0.46	1.5	ug/L
Styrene		1059	<0.16	0.16	0.51	ug/L
1,1,1,2-Tetrachloroethane		1059	<0.11	0.11	0.34	ug/L
1,1,2,2-Tetrachloroethane		1059	<0.39	0.39	1.3	ug/L
Tetrachloroethene		1059	<0.63	0.63	2.0	ug/L
Toluene		1059	<0.39	0.39	1.3	ug/L
1,2,3-Trichlorobenzene		1059	<0.32	0.32	1.0	ug/L
1,2,4-Trichlorobenzene		1059	<0.18	0.18	0.57	ug/L
1,1,1-Trichloroethane		1059	<0.28	0.28	0.88	ug/L
1,1,2-Trichloroethane		1059	<0.15	0.15	0.46	ug/L
Trichloroethene		1059	<0.49	0.49	1.6	ug/L
Trichlorofluoromethane		1059	<0.58	0.58	1.8	ug/L
1,2,3-Trichloropropane		1059	<0.28	0.28	0.90	ug/L

Method blank results exceed control limits when results are higher than the highest of any of the following: 1 - The limit of detection; 2 - Five percent of the regulatory limit for that analyte; 3 - Five percent of the measured concentration in the sample. NR149.14 (3)d

## QUALITY CONTROL REPORT BLANKS

05/01/2001

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BT2, INC.  
2830 Dairy Drive  
Madison, WI 53704-6751

Job No: 01.02181  
Account No: 10100

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Job Description: 1764 Stoughton City Landfill

Parameter	Prep Batch	Run Batch	Blank Result	MDL	LOQ	Units
1,2,4-Trimethylbenzene		1059	<0.32	0.32	1.0	ug/L
1,3,5-Trimethylbenzene		1059	<0.33	0.33	1.0	ug/L
Vinyl Chloride		1059	<0.46	0.46	1.5	ug/L
Alkenes, Total		1059	<1.1	1.1	3.6	ug/L
Surr: Dibromofluoromethane		1059	101.0		87-120	%
Surr: Toluene-d8		1059	102.2		90-108	%
Surr: Bromofluorobenzene		1059	98.8		86-113	%
DC - AQUEOUS - EPA 8260B						
Dichlorodifluoromethane		1064	<0.49	0.49	1.6	ug/L
Naphthalene		1064	<0.35	0.35	1.1	ug/L
Surr: Dibromofluoromethane		1064	100.8		87-120	%
Surr: Toluene-d8		1064	102.0		90-108	%
Surr: Bromofluorobenzene		1064	101.6		86-113	%
Misc VOC Compounds						
Tetrahydrofuran		490	<1.9	1.9	6.1	ug/L
Misc VOC Compounds						
Tetrahydrofuran		492	<1.9	1.9	6.1	ug/L
VOC - AQUEOUS - EPA 8260B						
Benzene		2404	<0.10	0.10	0.33	ug/L
Bromobenzene		2404	<0.25	0.25	0.83	ug/L
Bromochloromethane		2404	<0.25	0.25	0.83	ug/L
Bromodichloromethane		2404	<0.25	0.25	0.83	ug/L
Bromoform		2404	<0.25	0.25	0.83	ug/L
Bromomethane		2404	<0.25	0.25	0.83	ug/L
n-Butylbenzene		2404	<0.25	0.25	0.83	ug/L
sec-Butylbenzene		2404	<0.25	0.25	0.83	ug/L
tert-Butylbenzene		2404	<0.25	0.25	0.83	ug/L
Carbon Tetrachloride		2404	<0.25	0.25	0.83	ug/L
Chlorobenzene		2404	<0.25	0.25	0.83	ug/L
Chlorodibromomethane		2404	<0.25	0.25	0.83	ug/L
Chloroethane		2404	<0.25	0.25	0.83	ug/L
Chloroform		2404	<0.25	0.25	0.83	ug/L
Chloromethane		2404	<0.25	0.25	0.83	ug/L
2-Chlorotoluene		2404	<0.10	0.10	0.33	ug/L
4-Chlorotoluene		2404	<0.25	0.25	0.83	ug/L
1,2-Dibromo-3-Chloropropane		2404	<0.25	0.25	0.83	ug/L
1,2-Dibromoethane (EDB)		2404	<0.25	0.25	0.83	ug/L

Method blank results exceed control limits when results are higher than the highest of any of the following: 1 - The limit of detection; 2 - Five percent of the regulatory limit for that analyte; 3 - Five percent of the measured concentration in the sample. NR149.14 (3)d



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Madison, WI 53704-6751

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Job Description: 1764 Stoughton City Landfill

Parameter	Prep Batch	Run Batch	Blank Result	MDL	LOQ	Units
Dibromomethane		2404	<0.25	0.25	0.83	ug/L
1,2-Dichlorobenzene		2404	<0.25	0.25	0.83	ug/L
1,3-Dichlorobenzene		2404	<0.25	0.25	0.83	ug/L
1,4-Dichlorobenzene		2404	<0.25	0.25	0.83	ug/L
Dichlorodifluoromethane		2404	<0.25	0.25	0.83	ug/L
1,1-Dichloroethane		2404	<0.25	0.25	0.83	ug/L
1,2-Dichloroethane		2404	<0.25	0.25	0.83	ug/L
1,1-Dichloroethene		2404	<0.25	0.25	0.83	ug/L
cis-1,2-Dichloroethene		2404	<0.25	0.25	0.83	ug/L
trans-1,2-Dichloroethene		2404	<0.25	0.25	0.83	ug/L
1,2-Dichloropropane		2404	<0.25	0.25	0.83	ug/L
1,3-Dichloropropane		2404	<0.25	0.25	0.83	ug/L
2,2-Dichloropropane		2404	<0.25	0.25	0.83	ug/L
1,1-Dichloropropene		2404	<0.25	0.25	0.83	ug/L
cis-1,3-Dichloropropene		2404	<0.25	0.25	0.83	ug/L
trans-1,3-Dichloropropene		2404	<0.25	0.25	0.83	ug/L
Di-isopropyl ether		2404	<0.25	0.25	0.83	ug/L
Ethylbenzene		2404	<0.25	0.25	0.83	ug/L
Hexachlorobutadiene		2404	<0.25	0.25	0.83	ug/L
Isopropylbenzene		2404	<0.25	0.25	0.83	ug/L
p-Isopropyltoluene		2404	<0.25	0.25	0.83	ug/L
Methylene Chloride		2404	1.37	0.25	0.83	ug/L
Methyl-t-butyl ether		2404	<0.25	0.25	0.83	ug/L
Naphthalene		2404	<0.25	0.25	0.83	ug/L
n-Propylbenzene		2404	<0.25	0.25	0.83	ug/L
Styrene		2404	<0.25	0.25	0.83	ug/L
1,1,1,2-Tetrachloroethane		2404	<0.25	0.25	0.83	ug/L
1,1,2,2-Tetrachloroethane		2404	<0.25	0.25	0.83	ug/L
Tetrachloroethene		2404	<0.25	0.25	0.83	ug/L
Toluene		2404	<0.10	0.10	0.33	ug/L
1,2,3-Trichlorobenzene		2404	<0.25	0.25	0.83	ug/L
1,2,4-Trichlorobenzene		2404	<0.25	0.25	0.83	ug/L
1,1,1-Trichloroethane		2404	<0.25	0.25	0.83	ug/L
1,1,2-Trichloroethane		2404	<0.25	0.25	0.83	ug/L
Trichloroethene		2404	<0.25	0.25	0.83	ug/L
Trichlorofluoromethane		2404	<0.25	0.25	0.83	ug/L
1,2,3-Trichloropropane		2404	<0.25	0.25	0.83	ug/L

Method blank results exceed control limits when results are higher than the highest of any of the following: 1 - The limit of detection; 2 - Five percent of the regulatory limit for that analyte; 3 - Five percent of the measured concentration in the sample. NR149.14 (3)d

## QUALITY CONTROL REPORT BLANKS

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BT2, INC.  
2830 Dairy Drive  
Madison, WI 53704-6751

Job No: 01.02181  
Account No: 10100

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Job Description: 1764 Stoughton City Landfill

Parameter	Prep Batch	Run Batch	Blank Result	MDL	LOQ	Units
1,2,4-Trimethylbenzene		2404	<0.10	0.10	0.33	ug/L
1,3,5-Trimethylbenzene		2404	<0.10	0.10	0.33	ug/L
Vinyl Chloride		2404	<0.25	0.25	0.83	ug/L
Xylenes, Total		2404	<0.25	0.25	0.83	ug/L
Surr: Dibromofluoromethane		2404	102.8		94-108	%
Surr: Toluene-d8		2404	102.6		90-104	%
Surr: Bromofluorobenzene		2404	105.0		94-107	%
VOC - AQUEOUS - EPA 8260B						
Benzene		2405	<0.10	0.10	0.33	ug/L
Bromobenzene		2405	<0.25	0.25	0.83	ug/L
Bromochloromethane		2405	<0.25	0.25	0.83	ug/L
Bromodichloromethane		2405	<0.25	0.25	0.83	ug/L
Bromoform		2405	<0.25	0.25	0.83	ug/L
Bromomethane		2405	<0.25	0.25	0.83	ug/L
n-Butylbenzene		2405	<0.25	0.25	0.83	ug/L
sec-Butylbenzene		2405	<0.25	0.25	0.83	ug/L
tert-Butylbenzene		2405	<0.25	0.25	0.83	ug/L
Carbon Tetrachloride		2405	<0.25	0.25	0.83	ug/L
Chlorobenzene		2405	<0.25	0.25	0.83	ug/L
Chlorodibromomethane		2405	<0.25	0.25	0.83	ug/L
Chloroethane		2405	<0.25	0.25	0.83	ug/L
Chloroform		2405	<0.25	0.25	0.83	ug/L
Chloromethane		2405	<0.25	0.25	0.83	ug/L
2-Chlorotoluene		2405	<0.10	0.10	0.33	ug/L
4-Chlorotoluene		2405	<0.25	0.25	0.83	ug/L
1,2-Dibromo-3-Chloropropane		2405	<0.25	0.25	0.83	ug/L
1,2-Dibromoethane (EDB)		2405	<0.25	0.25	0.83	ug/L
Dibromomethane		2405	<0.25	0.25	0.83	ug/L
1,2-Dichlorobenzene		2405	<0.25	0.25	0.83	ug/L
1,3-Dichlorobenzene		2405	<0.25	0.25	0.83	ug/L
1,4-Dichlorobenzene		2405	<0.25	0.25	0.83	ug/L
Dichlorodifluoromethane		2405	<0.25	0.25	0.83	ug/L
1,1-Dichloroethane		2405	<0.25	0.25	0.83	ug/L
1,2-Dichloroethane		2405	<0.25	0.25	0.83	ug/L
1,1-Dichloroethene		2405	<0.25	0.25	0.83	ug/L
cis-1,2-Dichloroethene		2405	<0.25	0.25	0.83	ug/L
trans-1,2-Dichloroethene		2405	<0.25	0.25	0.83	ug/L

Method blank results exceed control limits when results are higher than the highest of any of the following: 1 - The limit of detection; 2 - Five percent of the regulatory limit for that analyte; 3 - Five percent of the measured concentration in the sample. NR149.14 (3)d

## QUALITY CONTROL REPORT

### BLANKS

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 BT2, INC.  
 2830 Dairy Drive  
 Madison, WI 53704-6751

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Job Description: 1764 Stoughton City Landfill

Parameter	Prep Batch	Run Batch	Blank Result	MDL	LOQ	Units
1,2-Dichloropropane		2405	<0.25	0.25	0.83	ug/L
1,3-Dichloropropane		2405	<0.25	0.25	0.83	ug/L
2,2-Dichloropropane		2405	<0.25	0.25	0.83	ug/L
1,1-Dichloropropene		2405	<0.25	0.25	0.83	ug/L
cis-1,3-Dichloropropene		2405	<0.25	0.25	0.83	ug/L
trans-1,3-Dichloropropene		2405	<0.25	0.25	0.83	ug/L
Di-isopropyl ether		2405	<0.25	0.25	0.83	ug/L
Ethylbenzene		2405	<0.25	0.25	0.83	ug/L
Hexachlorobutadiene		2405	<0.25	0.25	0.83	ug/L
Isopropylbenzene		2405	<0.25	0.25	0.83	ug/L
p-Isopropyltoluene		2405	<0.25	0.25	0.83	ug/L
Methylene Chloride		2405	0.34	0.25	0.83	ug/L
Methyl-t-butyl ether		2405	<0.25	0.25	0.83	ug/L
Naphthalene		2405	<0.25	0.25	0.83	ug/L
n-Propylbenzene		2405	<0.25	0.25	0.83	ug/L
Styrene		2405	<0.25	0.25	0.83	ug/L
1,1,1,2-Tetrachloroethane		2405	<0.25	0.25	0.83	ug/L
1,1,2,2-Tetrachloroethane		2405	<0.25	0.25	0.83	ug/L
Tetrachloroethene		2405	<0.25	0.25	0.83	ug/L
Toluene		2405	<0.10	0.10	0.33	ug/L
1,2,3-Trichlorobenzene		2405	<0.25	0.25	0.83	ug/L
1,2,4-Trichlorobenzene		2405	<0.25	0.25	0.83	ug/L
1,1,1-Trichloroethane		2405	<0.25	0.25	0.83	ug/L
1,1,2-Trichloroethane		2405	<0.25	0.25	0.83	ug/L
Trichloroethene		2405	<0.25	0.25	0.83	ug/L
Trichlorofluoromethane		2405	<0.25	0.25	0.83	ug/L
1,2,3-Trichloropropane		2405	<0.25	0.25	0.83	ug/L
1,2,4-Trimethylbenzene		2405	<0.10	0.10	0.33	ug/L
1,3,5-Trimethylbenzene		2405	<0.10	0.10	0.33	ug/L
Vinyl Chloride		2405	<0.25	0.25	0.83	ug/L
Xylenes, Total		2405	<0.25	0.25	0.83	ug/L
Surr: Dibromofluoromethane		2405	101.0		94-108	%
Surr: Toluene-d8		2405	101.6		90-104	%
Surr: Bromofluorobenzene		2405	99.0		94-107	%
VOC - AQUEOUS - EPA 8260B						
Benzene		2407	<0.10	0.10	0.33	ug/L
Bromobenzene		2407	<0.25	0.25	0.83	ug/L

Method blank results exceed control limits when results are higher than the highest of any of the following: 1 - The limit of detection; 2 - Five percent of the regulatory limit for that analyte; 3 - Five percent of the measured concentration in the sample. NR149.14 (3)d

## QUALITY CONTROL REPORT BLANKS

Mr. Steven Smith  
BT2, INC.  
2830 Dairy Drive  
Madison, WI 53704-6751

05/01/2001

Job No: 01.02181  
Account No: 10100

Page 59 of 60

Job Description: 1764 Stoughton City Landfill

Parameter	Prep Batch	Run Batch	Blank Result	MDL	LOQ	Units
Bromochloromethane		2407	<0.25	0.25	0.83	ug/L
Bromodichloromethane		2407	<0.25	0.25	0.83	ug/L
Bromoform		2407	<0.25	0.25	0.83	ug/L
Bromomethane		2407	<0.25	0.25	0.83	ug/L
n-Butylbenzene		2407	<0.25	0.25	0.83	ug/L
sec-Butylbenzene		2407	<0.25	0.25	0.83	ug/L
tert-Butylbenzene		2407	<0.25	0.25	0.83	ug/L
Carbon Tetrachloride		2407	<0.25	0.25	0.83	ug/L
Chlorobenzene		2407	<0.25	0.25	0.83	ug/L
Chlorodibromomethane		2407	<0.25	0.25	0.83	ug/L
Chloroethane		2407	<0.25	0.25	0.83	ug/L
Chloroform		2407	<0.25	0.25	0.83	ug/L
Chloromethane		2407	<0.25	0.25	0.83	ug/L
2-Chlorotoluene		2407	<0.10	0.10	0.33	ug/L
4-Chlorotoluene		2407	<0.25	0.25	0.83	ug/L
1,2-Dibromo-3-Chloropropane		2407	<0.25	0.25	0.83	ug/L
1,2-Dibromoethane (EDB)		2407	<0.25	0.25	0.83	ug/L
Dibromomethane		2407	<0.25	0.25	0.83	ug/L
1,2-Dichlorobenzene		2407	<0.25	0.25	0.83	ug/L
1,3-Dichlorobenzene		2407	<0.25	0.25	0.83	ug/L
1,4-Dichlorobenzene		2407	<0.25	0.25	0.83	ug/L
Dichlorodifluoromethane		2407	<0.25	0.25	0.83	ug/L
1,1-Dichloroethane		2407	<0.25	0.25	0.83	ug/L
1,2-Dichloroethane		2407	<0.25	0.25	0.83	ug/L
1,1-Dichloroethene		2407	<0.25	0.25	0.83	ug/L
cis-1,2-Dichloroethene		2407	<0.25	0.25	0.83	ug/L
trans-1,2-Dichloroethene		2407	<0.25	0.25	0.83	ug/L
1,2-Dichloropropane		2407	<0.25	0.25	0.83	ug/L
1,3-Dichloropropane		2407	<0.25	0.25	0.83	ug/L
2,2-Dichloropropane		2407	<0.25	0.25	0.83	ug/L
1,1-Dichloropropene		2407	<0.25	0.25	0.83	ug/L
cis-1,3-Dichloropropene		2407	<0.25	0.25	0.83	ug/L
trans-1,3-Dichloropropene		2407	<0.25	0.25	0.83	ug/L
Di-isopropyl ether		2407	<0.25	0.25	0.83	ug/L
Ethylbenzene		2407	<0.25	0.25	0.83	ug/L
Hexachlorobutadiene		2407	<0.25	0.25	0.83	ug/L
Isopropylbenzene		2407	<0.25	0.25	0.83	ug/L

Method blank results exceed control limits when results are higher than the highest of any of the following: 1 - The limit of detection; 2 - Five percent of the regulatory limit for that analyte; 3 - Five percent of the measured concentration in the sample. NR149.14 (3)d

## QUALITY CONTROL REPORT

### BLANKS

Mr. Steven Smith  
 BT2, INC.  
 2830 Dairy Drive  
 Madison, WI 53704-6751

05/01/2001

Job No: 01.02181  
 Account No: 10100

Page 60 of 60

Job Description: 1764 Stoughton City Landfill

Parameter	Prep Batch	Run Batch	Blank Result	MDL	LOQ	Units
p-Isopropyltoluene		2407	<0.25	0.25	0.83	ug/L
Methylene Chloride		2407	<0.25	0.25	0.83	ug/L
Methyl-t-butyl ether		2407	<0.25	0.25	0.83	ug/L
Naphthalene		2407	<0.25	0.25	0.83	ug/L
n-Propylbenzene		2407	<0.25	0.25	0.83	ug/L
Styrene		2407	<0.25	0.25	0.83	ug/L
1,1,1,2-Tetrachloroethane		2407	<0.25	0.25	0.83	ug/L
1,1,2,2-Tetrachloroethane		2407	<0.25	0.25	0.83	ug/L
Tetrachloroethene		2407	<0.25	0.25	0.83	ug/L
Toluene		2407	<0.10	0.10	0.33	ug/L
1,2,3-Trichlorobenzene		2407	<0.25	0.25	0.83	ug/L
1,2,4-Trichlorobenzene		2407	<0.25	0.25	0.83	ug/L
1,1,1-Trichloroethane		2407	<0.25	0.25	0.83	ug/L
1,1,2-Trichloroethane		2407	<0.25	0.25	0.83	ug/L
Trichloroethene		2407	<0.25	0.25	0.83	ug/L
Trichlorofluoromethane		2407	<0.25	0.25	0.83	ug/L
1,2,3-Trichloropropane		2407	<0.25	0.25	0.83	ug/L
1,2,4-Trimethylbenzene		2407	<0.10	0.10	0.33	ug/L
1,3,5-Trimethylbenzene		2407	<0.10	0.10	0.33	ug/L
Vinyl Chloride		2407	<0.25	0.25	0.83	ug/L
Xylenes, Total		2407	<0.25	0.25	0.83	ug/L
Surr: Dibromofluoromethane		2407	102.4		94-108	%
Surr: Toluene-d8		2407	99.2		90-104	%
Surr: Bromofluorobenzene		2407	96.6		94-107	%

Method blank results exceed control limits when results are higher than the highest of any of the following: 1 - The limit of detection; 2 - Five percent of the regulatory limit for that analyte; 3 - Five percent of the measured concentration in the sample. NR149.14 (3)d

## ENVIRONMENTAL MONITORING DATA CERTIFICATION

Note: Two data certification pages and two copies of any exceedance notification and explanation must be prepared for *each* license number included in the electronic submittal. One copy of each must be mailed to WDNR Central Office with the submittal and the second copies must be mailed to the WDNR Regional Office in which the facility is located.

Check here to indicate that a copy of this page (and a copy of the exceedance notification letter, if any) was mailed to the WDNR Regional Office.

The enclosed electronic submittal contains data for the following facility or facilities:

<u>License No.</u>	<u>Facility ID. No. (FID)</u>	<u>Facility Name</u>	<u>Sample Results for Month(s) of:</u>
133	113005950	Stoughton City Landfill	August 2000
133	113005950	Stoughton City Landfill	April 2001

Type of data submitted (check as applicable):

- Groundwater monitoring data  
 Non-groundwater monitoring data (gas, leachate, air)

Check one of the following:

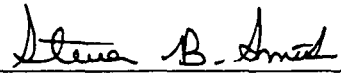
- An exceedance notification and explanation *is attached*.  
 An exceedance notification *is not attached* because there are no exceedances to report.

To the best of my knowledge, the information reported and the statements made on this data submittal and enclosures are true and correct. *Furthermore, per ss. NR 140.24(1)(a), NR 140.26(1)(a), NR 635.18(20) and NR 507.30, Wis. Adm. Codes, I have attached notification of enforcement standard, preventative action limit, or alternative concentration limit exceedances, if any, which includes a list of the wells at which the exceedances occurred and a preliminary analysis of the cause and significance of the concentration.*

Steven B. Smith  
Name (please print)

Senior Technical Specialist  
Title

June 8, 2001  
Date

  
Signature

(608) 224-2830  
Phone Number

Facility/Well	DNR Cod	Test Name	Dup?	Result	Flags	MDL	LOQ	Sample #	Exceedance?
00133853	01034	CHROMIUM, TOTAL (UG/L CR)	1	10	JMMM		3.4	12	432371 PAL Matched
00133843	01067	NICKEL, TOTAL (UG/L NI)	1	20	MMM		3.6	13	432385 PAL Matched
00133999	34423	DICHLOROMETHANE IN WHL WTR SAM	1	1.5	FMM	0.25	0.83	432367	PAL Exceeded
00133999	34423	DICHLOROMETHANE IN WHL WTR SAM	1	0.97	FMM	0.25	0.83	432582	PAL Exceeded
00133997	32101	BROMODICHLOROMETHANE IN WHL W	1	0.6	JFMM	0.25	0.83	432381	PAL Exceeded
00133997	32104	TRIBROMOMETHANE IN WHL WTR SAM	1	1.5	FMM	0.25	0.83	432381	PAL Exceeded
00133997	32106	CHLOROFORM IN WHOLE WATER SAM	1	0.64	JFMM	0.25	0.83	432381	PAL Exceeded
00133997	34475	TETRACHLOROETHYLENE IN WHL WTR	1	0.74	JFMM	0.25	0.83	432381	PAL Exceeded
00133866	01067	NICKEL, TOTAL (UG/L NI)	1	44	MMM	3.6		13	432586 PAL Exceeded
00133865	01027	CADMIUM, TOTAL (UG/L AS CD)	1	5	MMM	0.042	0.15	432585	PAL Exceeded
00133865	01051	LEAD, TOTAL (UG/L PB)	1	1.8	JMMM	1.2	4.4	432585	PAL Exceeded
00133863	39180	TRICHLOROETHYLENE IN WHOLE WAT	1	3.6	MMM	0.25	0.83	432375	PAL Exceeded
00133862	01034	CHROMIUM, TOTAL (UG/L CR)	1	71	MMM	3.4		12	432374 PAL Exceeded
00133862	01051	LEAD, TOTAL (UG/L PB)	1	1.7	JMMM	1.2	4.4	432374	PAL Exceeded
00133862	01067	NICKEL, TOTAL (UG/L NI)	1	65	MMM	3.6		13	432374 PAL Exceeded
00133862	39180	TRICHLOROETHYLENE IN WHOLE WAT	1	4.1	MMM	0.25	0.83	432374	PAL Exceeded
00133861	01002	ARSENIC, TOTAL (UG/L AS)	1	8.2	MMM	1.8	6.5	432369	PAL Exceeded
00133860	81607	TETRAHYDROFURAN IN WHOLE WATE	1	22	MMM	0.25	0.83	432370	PAL Exceeded
00133859	01002	ARSENIC, TOTAL (UG/L AS)	1	5.2	JMMM	1.8	6.5	432368	PAL Exceeded
00133859	01034	CHROMIUM, TOTAL (UG/L CR)	1	52	MMM	3.4		12	432368 PAL Exceeded
00133859	01051	LEAD, TOTAL (UG/L PB)	1	3	JMMM	1.2	4.4	432368	PAL Exceeded
00133859	01067	NICKEL, TOTAL (UG/L NI)	1	39	MMM	3.6		13	432368 PAL Exceeded
00133858	01034	CHROMIUM, TOTAL (UG/L CR)	1	35	MMM	3.4		12	432392 PAL Exceeded
00133857	01059	THALLIUM, TOTAL (UG/L TL)	1	1.5	JMMM	1.4	4.8	432391	PAL Exceeded
00133857	34475	TETRACHLOROETHYLENE IN WHL WTR	1	2.5	MMM	0.63	2	432391	PAL Exceeded
00133857	39180	TRICHLOROETHYLENE IN WHOLE WAT	1	1.5	JMMM	0.49	1.6	432391	PAL Exceeded
00133856	01002	ARSENIC, TOTAL (UG/L AS)	1	35	MMM	1.8	6.5	432390	PAL Exceeded
00133856	01027	CADMIUM, TOTAL (UG/L AS CD)	1	0.67	MMM	0.042	0.15	432390	PAL Exceeded
00133856	01034	CHROMIUM, TOTAL (UG/L CR)	1	36	MMM	3.4		12	432390 PAL Exceeded
00133856	01051	LEAD, TOTAL (UG/L PB)	1	2.4	JMMM	1.2	4.4	432390	PAL Exceeded
00133856	01067	NICKEL, TOTAL (UG/L NI)	1	25	MMM	3.6		13	432390 PAL Exceeded
00133854	34423	DICHLOROMETHANE IN WHL WTR SAM	1	1.4	MMM	0.25	0.83	432372	PAL Exceeded
00133852	01034	CHROMIUM, TOTAL (UG/L CR)	1	16	MMM	3.4		12	432379 PAL Exceeded
00133851	01034	CHROMIUM, TOTAL (UG/L CR)	1	12	MMM	3.4		12	432378 PAL Exceeded
00133851	01067	NICKEL, TOTAL (UG/L NI)	1	29	MMM	3.6		13	432378 PAL Exceeded
00133850	01051	LEAD, TOTAL (UG/L PB)	1	2	JMMM	1.2	4.4	432377	PAL Exceeded
00133847	01097	ANTIMONY, TOTAL (UG/L SB)	1	2.7	JMMM	1.9	6.7	432583	PAL Exceeded
00133847	01034	CHROMIUM, TOTAL (UG/L CR)	1	50	MMM	3.4		12	432583 PAL Exceeded
00133847	01051	LEAD, TOTAL (UG/L PB)	1	2.5	JMMM	1.2	4.4	432583	PAL Exceeded
00133847	01067	NICKEL, TOTAL (UG/L NI)	1	71	MMM	3.6		13	432583 PAL Exceeded
00133845	01034	CHROMIUM, TOTAL (UG/L CR)	1	52	MMM	3.4		12	432387 PAL Exceeded
00133845	01051	LEAD, TOTAL (UG/L PB)	1	2.2	JMMM	1.2	4.4	432387	PAL Exceeded

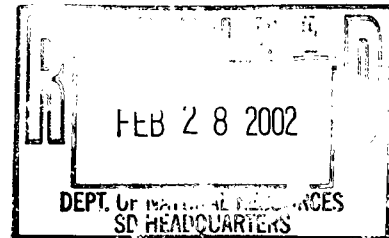
00133844	01002 ARSENIC, TOTAL (UG/L AS)	1	7.7 MMM	1.8	6.5	432386 PAL Exceeded
00133843	01027 CADMIUM, TOTAL (UG/L AS CD)	1	1.5 MMM	0.042	0.15	432385 PAL Exceeded
00133843	01034 CHROMIUM, TOTAL (UG/L CR)	1	14 MMM	3.4	12	432385 PAL Exceeded
00133843	01051 LEAD, TOTAL (UG/L PB)	1	2.5 JMMM	1.2	4.4	432385 PAL Exceeded
00133841	01097 ANTIMONY, TOTAL (UG/L SB)	1	2.6 JMMM	1.9	6.7	432383 PAL Exceeded
00133840	01097 ANTIMONY, TOTAL (UG/L SB)	1	3.1 JMMM	1.9	6.7	432382 PAL Exceeded
00133840	01027 CADMIUM, TOTAL (UG/L AS CD)	1	1.1 MMM	0.042	0.15	432382 PAL Exceeded
00133840	01034 CHROMIUM, TOTAL (UG/L CR)	1	34 MMM	3.4	12	432382 PAL Exceeded
00133840	01051 LEAD, TOTAL (UG/L PB)	1	2.2 JMMM	1.2	4.4	432382 PAL Exceeded
00133840	01067 NICKEL, TOTAL (UG/L NI)	1	26 MMM	3.6	13	432382 PAL Exceeded
00133862	34475 TETRACHLOROETHYLENE IN WHL WTR	1	5.1 MMM	0.25	0.83	432374 PAL & ES Exceeded
00133857	39175 VINYL CHLORIDE IN WHOLE WATER SA	1	1 JMMM	0.46	1.5	432391 PAL & ES Exceeded
00133852	01067 NICKEL, TOTAL (UG/L NI)	1	900 MMM	3.6	13	432379 PAL & ES Exceeded
00133850	01027 CADMIUM, TOTAL (UG/L AS CD)	1	5.7 MMM	0.042	0.15	432377 PAL & ES Exceeded
00133847	01027 CADMIUM, TOTAL (UG/L AS CD)	1	7.7 MMM	0.042	0.15	432583 PAL & ES Exceeded
00133846	01067 NICKEL, TOTAL (UG/L NI)	1	130 MMM	3.6	13	432387 PAL & ES Exceeded
			52 MMM	1.9	6.1	432383 PAL & ES Exceeded





February 26, 2002

Mr. Michael Schmoller  
WDNR South Central Region Office  
3911 Fish Hatchery Road  
Fitchburg, WI 53711



**SUBJECT:    Semi-Annual Groundwater Monitoring Report  
              November 2001 Monitoring Event  
              WDNR Purchase Order #NMB00000136  
              Stoughton City Landfill  
              FID # 113005950 - License #133  
              WDNR Project # J-036-02  
              BT² Project #1764**

Dear Mr. Schmoller:

This letter provides the Semi-Annual Groundwater Monitoring Report for the November 2001 monitoring event for the Stoughton City Landfill site. We conducted the groundwater monitoring well sampling at the site on November 20 and 21, 2001. A diskette with the electronic data file is being submitted to Kathy Thompson in the WDNR Central Office, along with the Groundwater Monitoring Data Certification Form.

Our original Project Schedule, from the *Draft Quality Assurance Project Plan* submitted to the WDNR on September 15, 2000 (Table 4), had the second semi-annual groundwater monitoring event scheduled for January 2001. Due to the ice blockages found in a majority of the monitoring wells, the sampling was re-scheduled for after the spring thaw per your approval. The semi-annual groundwater monitoring events are scheduled for April and November of each year.

**Scope and Methods**

The objectives of the groundwater monitoring are:

- Monitor the movement of the Tetrahydrofuran (THF) and Dichlorodifluoromethane (DCDFM) plumes semi-annually to evaluate the effects of natural attenuation and the landfill cap on the plumes.
- Reevaluate the site groundwater quality five years after placement of the landfill cap (placed in 1998, due in 2003) and compare the results against the initial baseline groundwater monitoring analytical results. Repeat this evaluation every five years until the THF and DCDFM plumes fall below the PALs.
- Monitor the site groundwater for total metals once in the first year. Based on the results, additional monitoring was determined to be unnecessary by the WDNR.

The field procedures and the groundwater sampling were performed in accordance with the Quality Assurance Project Plan (QAPP) Revision 0 submitted to the WDNR on September 15, 2000.

The groundwater samples were analyzed by TestAmerica, Inc. of Watertown, WI for DCDFM and THF. Additionally, wells that showed detections above the PAL's for VOC compounds other than DCDFM and THF from the August 28, 2000 sampling event were analyzed for the full VOC list by EPA Method 8260B. The laboratory methods are shown on the laboratory reports in **Attachment A**. A copy of the laboratory's Standard Operating Procedures (SOP) is included in the QAPP.

### **Groundwater Analytical Results**

**Table 1** is a summary of analytical results for the groundwater monitoring at the site. Field parameter results are summarized in **Table 2**. The original analytical and quality control report are enclosed as **Attachment A**.

#### *Qualifiers*

The analytical reports included qualifier flags for some samples. Methylene chloride was flagged with the "L" qualifier as a common lab solvent and contaminant on the following samples: Trip Blank (11/20/01), Trip Blank (11/21/01), MW3D, MW4D, MW5D, MW5D Duplicate, MW7B, MW9S, MW9I, MW9B, MW10S, MW10I, MW14S, MW14I, MW15D Duplicate, Field Blank #1 (11/20/01), Field Blank #2 (11/21/01). Concentrations ranged from 0.99  $\mu\text{g/L}$  to 30  $\mu\text{g/L}$ . The site historical analytical data, summarized on Table 3 of the QAPP, show no detections for methylene chloride above the PAL.

It should be noted that all the historical site data was analyzed by the U.S. EPA Contract Laboratory Program (CLP) Routine Analytical Services (RAS) using the Low/Medium Concentration Organic Target Compound List (TCL) and Contract Required Quantitation Limits (CRQL) of 10  $\mu\text{g/l}$ . The current analytical laboratory, TestAmerica, Inc., provides detection limits ranging for SW 8260B Volatile Organic Compounds (VOCs) ranging from 0.10  $\mu\text{g/l}$  for chlorodibromomethane to 1.9  $\mu\text{g/l}$  for tetrahydrofuran.

#### *Target Compounds at the Shallow Monitoring Wells*

The preventive action limit (PAL) is 10  $\mu\text{g/L}$  for THF and 200  $\mu\text{g/L}$  for DCDFM. The enforcement standard (ES) for THF is 50  $\mu\text{g/L}$  and for DCDFM is 1,000  $\mu\text{g/L}$ . Ten shallow monitoring wells were analyzed for either the full list of VOC's by Method 8260B or for DCDFM and THF only by Method 8260B. Analytical results and historical ranges for the current sampling event are summarized on **Table 3**.

#### *Target Compounds at the Intermediate and Deep Monitoring Wells*

Seventeen intermediate and deep monitoring wells were analyzed for either the full list of VOC's by Method 8260B or for DCDFM and THF only by Method 8260B. Analytical results and historical ranges for the current sampling event are summarized on **Table 3**.

*Other Volatile Organic Compounds Detected*

The following VOCs, in addition to DCDFM and THF, were detected above the PAL or ES:

Tetrachloroethene	MW10I at 2.1 $\mu\text{g/L}$ , MW14S at 6.5 $\mu\text{g/L}$ , MW14I at 2.2 $\mu\text{g/L}$ (PAL of 0.5 $\mu\text{g/L}$ )
Trichloroethene	MW9S at 0.54 $\mu\text{g/L}$ , MW9I at 1.1 $\mu\text{g/L}$ , MW10I at 1.4 $\mu\text{g/L}$ , MW14S at 5.6 $\mu\text{g/L}$ , MW14I at 3.6 $\mu\text{g/L}$ (PAL of 0.5 $\mu\text{g/L}$ )

Several other VOCs were detected at levels below their respective PAL and ES limits (see **Table 1**).

**Sampling Plan Deviations**

There were no noted deviations from the sampling plan.

**Recommendations**

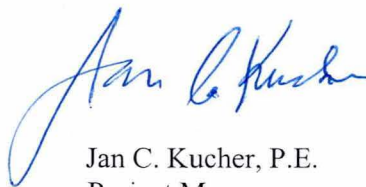
Due to continued PAL exceedances for DCDFM, THF, and several other VOCs, no further changes to the VOC monitoring program are recommended.

The next Semi-Annual Groundwater Monitoring Event is scheduled for April 2002 with the report to be submitted in May 2002. A CD-ROM is also enclosed containing a copy of this report as a PDF file. If you have any questions about the results or any other aspect of the project, please call us at (608) 224-2830.

Sincerely,  
BT<sup>2</sup>, Inc.



Sherren Clark, P.E., P.G.  
Quality Assurance/ Senior Review



Jan C. Kucher, P.E.  
Project Manager



Steven B. Smith  
Senior Technical Specialist

Enclosed: CD-ROM  
Table 1 Summary of Analytical Reports  
Table 2 Summary of Field Parameters  
Table 3 Target Compound Detections  
Attachment A - Laboratory Analytical Report  
Attachment B - Groundwater Monitoring Data Certification Form (with exceedances report)

TABLES

Table 1  
 Summary of Analytical Results  
 Stoughton City Landfill  
 BT<sup>2</sup> Project #1764  
 November 2001

Analyte	Enforcement Standard (µg/l)	Preventive Action Limit (µg/l)	MW3S 11/20/01	MW3D 11/20/01	MW3B 11/20/01	MW4S 11/20/01	MW4D 11/20/01	MW5S 11/20/01	MW5D 11/20/01	MW5D-Dup 11/20/01	MW7S 11/20/01	MW7I 11/20/01	MW7B 11/20/01	MW8S 11/20/01	MW8I 11/20/01	MW8B 11/20/01	MW9S 11/20/01	MW9I 11/20/01	MW9B 11/20/01	MS10S 11/21/01	MW10I 11/21/01
Benzene	5	0.5	--	<0.10	--	--	<0.31	--	0.32	0.32	--	--	<0.31	--	--	--	0.59	0.33	<0.10	<0.31	<0.31
Bromobenzene	--	--	--	<0.25	--	--	<0.20	--	<0.25	<0.25	--	--	<0.20	--	--	--	<0.25	<0.25	<0.25	<0.20	<0.20
Bromochloromethane	--	--	--	<0.25	--	--	<0.32	--	<0.25	<0.25	--	--	<0.32	--	--	--	<0.25	<0.25	<0.25	<0.32	<0.32
Bromodichloromethane	0.6	0.06	--	<0.25	--	--	<0.20	--	<0.25	<0.25	--	--	<0.20	--	--	--	<0.25	<0.25	<0.25	<0.20	<0.20
Bromoform	4.4	0.44	--	<0.25	--	--	<0.14	--	<0.25	<0.25	--	--	<0.14	--	--	--	<0.25	<0.25	<0.25	<0.14	<0.14
Bromomethane	10	1	--	<0.25	--	--	<0.46	--	<0.25	<0.25	--	--	<0.46	--	--	--	<0.25	<0.25	<0.25	<0.46	<0.46
n-Butylbenzene	--	--	--	<0.25	--	--	<0.44	--	<0.25	<0.25	--	--	<0.44	--	--	--	<0.25	<0.25	<0.25	<0.44	<0.44
sec-Butylbenzene	--	--	--	<0.25	--	--	<0.45	--	<0.25	<0.25	--	--	<0.45	--	--	--	<0.25	<0.25	<0.25	<0.45	<0.45
tert-Butylbenzene	--	--	--	<0.25	--	--	<0.38	--	<0.25	<0.25	--	--	<0.38	--	--	--	<0.25	<0.25	<0.25	<0.38	<0.38
Carbon Tetrachloride	5	0.5	--	<0.25	--	--	<0.40	--	<0.25	<0.25	--	--	<0.40	--	--	--	<0.25	<0.25	<0.25	<0.40	<0.40
Chlorobenzene	--	--	--	<0.25	--	--	<0.22	--	<0.25	<0.25	--	--	<0.22	--	--	--	<0.25	<0.25	<0.25	<0.22	<0.22
Chlorodibromomethane	--	--	--	<0.25	--	--	<0.10	--	<0.25	<0.25	--	--	<0.10	--	--	--	<0.25	<0.25	<0.25	<0.10	<0.10
Chloroethane	400	80	--	<0.25	--	--	<1.2	--	<0.25	<0.25	--	--	<1.2	--	--	--	<0.25	<0.25	<0.25	<1.2	<1.2
Chloroform	6	0.6	--	<0.25	--	--	<0.18	--	<0.25	<0.25	--	--	<0.18	--	--	--	<0.25	<0.25	<0.25	<0.18	<0.18
Chloromethane	3	0.3	--	<0.25	--	--	<0.38	--	<0.25	<0.25	--	--	<0.38	--	--	--	<0.25	<0.25	<0.25	<0.38	<0.38
2-Chlorotoluene	--	--	--	<0.10	--	--	<0.28	--	<0.10	<0.10	--	--	<0.28	--	--	--	<0.10	<0.10	<0.10	<0.28	<0.28
4-Chlorotoluene	--	--	--	<0.25	--	--	<0.47	--	<0.25	<0.25	--	--	<0.47	--	--	--	<0.25	<0.25	<0.25	<0.47	<0.47
1,2-Dibromo-3-Chloropropane	--	--	--	<0.25	--	--	<1.4	--	<0.25	<0.25	--	--	<1.4	--	--	--	<0.25	<0.25	<0.25	<1.4	<1.4
1,2-Dibromoethane (EDB)	0.05	0.005	--	<0.25	--	--	<0.16	--	<0.25	<0.25	--	--	<0.16	--	--	--	<0.25	<0.25	<0.25	<0.16	<0.16
Dibromomethane	--	--	--	<0.25	--	--	<0.11	--	<0.25	<0.25	--	--	<0.11	--	--	--	<0.25	<0.25	<0.25	<0.11	<0.11
1,2-Dichlorobenzene	600	60	--	<0.25	--	--	<0.20	--	<0.25	<0.25	--	--	<0.20	--	--	--	<0.25	<0.25	<0.25	<0.20	<0.20
1,3-Dichlorobenzene	1,250	125	--	<0.25	--	--	<0.22	--	<0.25	<0.25	--	--	<0.22	--	--	--	<0.25	<0.25	<0.25	<0.22	<0.22
1,4-Dichlorobenzene	75	15	--	<0.25	--	--	<0.35	--	<0.25	<0.25	--	--	<0.35	--	--	--	<0.25	<0.25	<0.25	<0.35	<0.35
Dichlorodifluoromethane	1,000	200	<0.25	<0.25	<0.25	<0.25	<0.49	0.47	4.9	4.8	<0.49	<0.49	<0.49	<0.25	<0.49	<0.49	170	140	6.5	4.9	110
1,1-Dichloroethane	850	85	--	<0.25	--	--	<0.25	--	<0.25	<0.25	--	--	<0.25	--	--	--	<0.25	<0.25	<0.25	<0.25	0.50

**Table 1**  
**Summary of Analytical Results**  
**Stoughton City Landfill**  
**BT<sup>2</sup> Project #1764**  
**November 2001**

Analyte	Enforcement Standard (µg/l)	Preventive Action Limit (µg/l)	MW3S 1/20/01	MW3D 1/20/01	MW3B 1/20/01	MW4S 1/20/01	MW4D 1/20/01	MW5S 1/20/01	MW5D 1/20/01	MW5D Dup 1/20/01	MW7S 1/20/01	MW7I 1/20/01	MW7B 1/20/01	MW8S 1/20/01	MW8I 1/20/01	MW8B 1/20/01	MW9S 1/20/01	MW9I 1/20/01	MW9B 1/20/01	MS10S 1/21/01	MW10I 1/21/01
1,2-Dichloroethane	5	0.5	--	<0.25	--	--	<0.20	--	<0.25	<0.25	--	--	<0.20	--	--	--	<0.25	<0.25	<0.25	<0.20	<0.20
1,1-Dichloroethene	7	0.7	--	<0.25	--	--	<0.73	--	<0.25	<0.25	--	--	<0.73	--	--	--	<0.25	<0.25	<0.25	<0.73	<0.73
cis-1,2-Dichloroethene	70	7	--	<0.25	--	--	<0.23	--	0.75	0.74	--	--	<0.23	--	--	--	0.49	2.2	0.41	<0.23	1.6
trans-1,2-Dichloroethene	100	20	--	<0.25	--	--	<0.39	--	<0.25	<0.25	--	--	<0.39	--	--	--	<0.25	<0.25	<0.25	<0.39	<0.39
1,2-Dichloropropane	5	0.5	--	<0.25	--	--	<0.29	--	<0.25	<0.25	--	--	<0.29	--	--	--	<0.25	<0.25	<0.25	<0.29	0.31
1,3-Dichloropropane	0.2	0.02	--	<0.25	--	--	<0.15	--	<0.25	<0.25	--	--	<0.15	--	--	--	<0.25	<0.25	<0.25	<0.15	<0.15
2,2-Dichloropropane	--	--	--	<0.25	--	--	<0.37	--	<0.25	<0.25	--	--	<0.37	--	--	--	<0.25	<0.25	<0.25	<0.37	<0.37
1,1-Dichloropropene	--	--	--	<0.25	--	--	<0.63	--	<0.25	<0.25	--	--	<0.63	--	--	--	<0.25	<0.25	<0.25	<0.63	<0.63
cis-1,3-Dichloropropene	--	--	--	<0.25	--	--	<0.17	--	<0.25	<0.25	--	--	<0.17	--	--	--	<0.25	<0.25	<0.25	<0.17	<0.17
trans-1,3-Dichloropropene	--	--	--	<0.25	--	--	<0.13	--	<0.25	<0.25	--	--	<0.13	--	--	--	<0.25	<0.25	<0.25	<0.13	<0.13
Di-isopropyl ether	--	--	--	<0.25	--	--	<0.13	--	<0.25	<0.25	--	--	<0.13	--	--	--	<0.25	<0.25	<0.25	<0.13	<0.13
Ethylbenzene	700	140	--	1.0	--	--	0.83	--	0.81	0.80	--	--	<0.38	--	--	--	<0.25	<0.25	<0.25	<0.38	<0.38
Hexachlorobutadiene	--	--	--	<0.25	--	--	<0.37	--	<0.25	<0.25	--	--	<0.37	--	--	--	<0.25	<0.25	<0.25	<0.37	<0.37
Isopropylbenzene	--	--	--	<0.25	--	--	<0.36	--	<0.25	<0.25	--	--	<0.36	--	--	--	<0.25	<0.25	<0.25	<0.36	<0.36
p-Isopropyltoluene	--	--	--	<0.25	--	--	<0.35	--	<0.25	<0.25	--	--	<0.35	--	--	--	<0.25	<0.25	<0.25	<0.35	<0.35
Methylene Chloride	5	0.5	--	1.0	--	--	2.2	--	1.9	1.9	--	--	2.2	--	--	--	1.8	1.9	1.9	1.4	2.1
Methyl-tert-butyl ether	60	12	--	<0.25	--	--	<0.14	--	<0.25	<0.25	--	--	<0.14	--	--	--	<0.25	<0.25	<0.25	<0.14	<0.14
Naphthalene	40	8	--	0.51	--	--	0.58	--	0.55	0.55	--	--	<0.35	--	--	--	<0.25	<0.25	<0.25	<0.35	<0.35
n-Propylbenzene	--	--	--	<0.25	--	--	<0.46	--	<0.25	<0.25	--	--	<0.46	--	--	--	<0.25	<0.25	<0.25	<0.46	<0.46
Styrene	100	10	--	<0.25	--	--	<0.16	--	<0.25	<0.25	--	--	<0.16	--	--	--	<0.25	<0.25	<0.25	<0.16	<0.16
1,1,1,2-Tetrachloroethane	70	7	--	<0.25	--	--	<0.11	--	<0.25	<0.25	--	--	<0.11	--	--	--	<0.25	<0.25	<0.25	<0.11	<0.11
1,1,2,2-Tetrachloroethane	0.2	0.02	--	<0.25	--	--	<0.39	--	<0.25	<0.25	--	--	<0.39	--	--	--	<0.25	<0.25	<0.25	<0.39	<0.39
Tetrachloroethene	5	0.5	--	<0.25	--	--	<0.63	--	<0.25	<0.25	--	--	<0.63	--	--	--	<0.25	0.26	<0.25	<0.63	2.1
Tetrahydrofuran	50	10	<0.25	70	<0.25	<0.25	<1.9	<0.25	4.0	3.5	<1.9	<1.9	<1.9	<0.25	5.5	<1.9	20	12	<0.25	<1.9	7.0
Toluene	1,000	200	--	<0.10	--	--	<0.39	--	<0.10	<0.10	--	--	<0.39	--	--	--	<0.10	<0.10	<0.10	<0.39	<0.39
1,2,3-Trichlorobenzene	--	--	--	<0.25	--	--	<0.32	--	<0.25	<0.25	--	--	<0.32	--	--	--	<0.25	<0.25	<0.25	<0.32	<0.32
1,2,4-Trichlorobenzene	70	14	--	<0.25	--	--	<0.18	--	<0.25	<0.25	--	--	<0.18	--	--	--	<0.25	<0.25	<0.25	<0.18	<0.18
1,1,1-Trichloroethane	200	40	--	<0.25	--	--	<0.28	--	<0.25	<0.25	--	--	<0.28	--	--	--	<0.25	<0.25	<0.25	<0.28	<0.28
1,1,2-Trichloroethane	5	0.5	--	<0.25	--	--	<0.15	--	<0.25	<0.25	--	--	<0.15	--	--	--	<0.25	<0.25	<0.25	<0.15	<0.15
Trichloroethene	5	0.5	--	<0.25	--	--	<0.49	--	0.42	0.42	--	--	<0.49	--	--	--	0.54	1.1	<0.25	<0.49	1.4
Trichlorofluoromethane	--	--	--	<0.25	--	--	<0.58	--	<0.25	<0.25	--	--	<0.58	--	--	--	0.58	5.7	4.7	<0.58	1.3
1,2,3-Trichloropropane	60	12	--	<0.25	--	--	<0.28	--	<0.25	<0.25	--	--	<0.28	--	--	--	1.1	0.68	<0.25	<0.28	0.28
1,2,4-Trimethylbenzene	480	96	--	1.2	--	--	1.1	--	1.1	1.1	--	--	<0.32	--	--	--	<0.10	<0.10	<0.10	<0.32	<0.32
1,3,5-Trimethylbenzene	--	--	--	<0.10	--	--	<0.33	--	<0.10	<0.10	--	--	<0.33	--	--	--	<0.10	<0.10	<0.10	<0.33	<0.33
Vinyl Chloride	0.2	0.02	--	<0.25	--	--	<0.46	--	<0.25	<0.25	--	--	<0.46	--	--	--	<0.25	<0.25	<0.25	<0.46	0.62
Xylenes, Total	10,000	1,000	--	1.4	--	--	1.6	--	1.2	1.2	--	--	<1.1	--	--	--	<0.25	<0.25	<0.25	<1.1	<1.1
Lab Notes	--	--	--	(1)	--	--	(1)	--	(1)	(1)	--	--	(1)	--	--	--	(1)	(1)	(2)	(1)	(1)

**Table 1**  
**Summary of Analytical Results**  
**Stoughton City Landfill**  
**BT<sup>2</sup> Project #1764**  
**November 2001**

Parameter, (µg/l)	Enforcement Standard (µg/l)	Preventive Action Limit (µg/l)	MW10D 11/21/01	MW13S 11/21/01	MW13I 11/21/01	MW13D 11/21/01	MW14S 11/21/01	MW14I 11/21/01	MW14D 11/21/01	MW14D Dup 11/21/01	MW15S 11/20/01	MW15I 11/20/01	MW15D 11/20/01	MW15D Dup 11/20/01	Field Blank 11/20/01	Field Blank 11/21/01	Trip Blank 11/20/01	Trip Blank 11/21/01
Benzene	5	0.5	--	--	--	--	<0.31	0.31	--	--	--	--	--	<0.31	<0.31	<0.31	<0.10	<0.31
Bromobenzene	--	--	--	--	--	--	<0.20	<0.20	--	--	--	--	--	<0.20	<0.20	<0.20	<0.25	<0.20
Bromochloromethane	--	--	--	--	--	--	<0.32	<0.32	--	--	--	--	--	<0.32	<0.32	<0.32	<0.25	<0.32
Bromodichloromethane	0.6	0.06	--	--	--	--	<0.20	<0.20	--	--	--	--	--	<0.20	0.28	0.27	<0.25	<0.20
Bromoform	4.4	0.44	--	--	--	--	<0.14	<0.14	--	--	--	--	--	<0.14	0.32	0.32	<0.25	<0.14
Bromomethane	10	1	--	--	--	--	<0.46	<0.46	--	--	--	--	--	<0.46	<0.46	<0.46	<0.25	<0.46
n-Butylbenzene	--	--	--	--	--	--	<0.44	<0.44	--	--	--	--	--	<0.44	<0.44	<0.44	<0.25	<0.44
sec-Butylbenzene	--	--	--	--	--	--	<0.45	<0.45	--	--	--	--	--	<0.45	<0.45	<0.45	<0.25	<0.45
tert-Butylbenzene	--	--	--	--	--	--	<0.38	<0.38	--	--	--	--	--	<0.38	<0.38	<0.38	<0.25	<0.38
Carbon Tetrachloride	5	0.5	--	--	--	--	<0.40	<0.40	--	--	--	--	--	<0.40	<0.40	<0.40	<0.25	<0.40
Chlorobenzene	--	--	--	--	--	--	<0.22	<0.22	--	--	--	--	--	<0.22	<0.22	<0.22	<0.25	<0.22
Chlorodibromomethane	--	--	--	--	--	--	<0.10	<0.10	--	--	--	--	--	<0.10	0.44	0.43	<0.25	<0.10
Chloroethane	400	80	--	--	--	--	<1.2	<1.2	--	--	--	--	--	<1.2	<1.2	<1.2	<0.25	<1.2
Chloroform	6	0.6	--	--	--	--	<0.18	<0.18	--	--	--	--	--	<0.18	<0.18	<0.18	<0.25	<0.18
Chloromethane	3	0.3	--	--	--	--	<0.38	<0.38	--	--	--	--	--	<0.38	<0.38	<0.38	<0.25	<0.38
2-Chlorotoluene	--	--	--	--	--	--	<0.28	<0.28	--	--	--	--	--	<0.28	<0.28	<0.28	<0.10	<0.28
4-Chlorotoluene	--	--	--	--	--	--	<0.47	<0.47	--	--	--	--	--	<0.47	<0.47	<0.47	<0.25	<0.47
1,2-Dibromo-3-Chloropropane	--	--	--	--	--	--	<1.4	<1.4	--	--	--	--	--	<1.4	<1.4	<1.4	<0.25	<1.4
1,2-Dibromoethane (EDB)	0.05	0.005	--	--	--	--	<0.16	<0.16	--	--	--	--	--	<0.16	<0.16	<0.16	<0.25	<0.16
Dibromomethane	--	--	--	--	--	--	<0.11	<0.11	--	--	--	--	--	<0.11	<0.11	<0.11	<0.25	<0.11
1,2-Dichlorobenzene	600	60	--	--	--	--	<0.20	<0.20	--	--	--	--	--	<0.20	<0.20	<0.20	<0.25	<0.20
1,3-Dichlorobenzene	1,250	125	--	--	--	--	<0.22	<0.22	--	--	--	--	--	<0.22	<0.22	<0.22	<0.25	<0.22
1,4-Dichlorobenzene	75	15	--	--	--	--	<0.35	<0.35	--	--	--	--	--	<0.35	<0.35	<0.35	<0.25	<0.35
Dichlorodifluoromethane	1,000	200	<0.49	<0.49	0.78	<0.49	110	140	<0.49	<0.49	<0.25	<0.25	<0.25	<0.49	<0.49	<0.49	<0.25	<0.49
1,1-Dichloroethane	850	85	--	--	--	--	<0.25	<0.25	--	--	--	--	--	<0.25	<0.25	<0.25	<0.25	<0.25

**Table 1**  
**Summary of Analytical Results**  
**Stoughton City Landfill**  
**BT<sup>2</sup> Project #1764**  
**November 2001**

Parameter (µg/l)	Enforcement Standard (µg/l)	Preventive Action Limit (µg/l)	MW10D 11/21/01	MW13S 11/21/01	MW13I 11/21/01	MW13D 11/21/01	MW14S 11/21/01	MW14I 11/21/01	MW14D 11/21/01	MW14D Dup 11/21/01	MW15S 11/20/01	MW15I 11/20/01	MW15D 11/20/01	MW15D Dup 11/20/01	Field Blank 11/20/01	Field Blank 11/21/01	Trip Blank 11/20/01	Trip Blank 11/21/01
1,2-Dichloroethane	5	0.5	--	--	--	--	<0.20	<0.20	--	--	--	--	--	<0.20	<0.20	<0.20	<0.25	<0.20
1,1-Dichloroethene	7	0.7	--	--	--	--	<0.73	<0.73	--	--	--	--	--	<0.73	<0.73	<0.73	<0.25	<0.73
cis-1,2-Dichloroethene	70	7	--	--	--	--	0.86	1.2	--	--	--	--	--	<0.23	<0.23	<0.23	<0.25	<0.23
trans-1,2-Dichloroethene	100	20	--	--	--	--	<0.39	<0.39	--	--	--	--	--	<0.39	<0.39	<0.39	<0.25	<0.39
1,2-Dichloropropane	5	0.5	--	--	--	--	<0.29	<0.29	--	--	--	--	--	<0.29	<0.29	<0.29	<0.25	<0.29
1,3-Dichloropropane	0.2	0.02	--	--	--	--	<0.15	<0.15	--	--	--	--	--	<0.15	<0.15	<0.15	<0.25	<0.15
2,2-Dichloropropane	--	--	--	--	--	--	<0.37	<0.37	--	--	--	--	--	<0.37	<0.37	<0.37	<0.25	<0.37
1,1-Dichloropropene	--	--	--	--	--	--	<0.63	<0.63	--	--	--	--	--	<0.63	<0.63	<0.63	<0.25	<0.63
cis-1,3-Dichloropropene	--	--	--	--	--	--	<0.17	<0.17	--	--	--	--	--	<0.17	<0.17	<0.17	<0.25	<0.17
trans-1,3-Dichloropropene	--	--	--	--	--	--	<0.13	<0.13	--	--	--	--	--	<0.13	<0.13	<0.13	<0.25	<0.13
Di-isopropyl ether	--	--	--	--	--	--	<0.13	<0.13	--	--	--	--	--	<0.13	<0.13	<0.13	<0.25	<0.13
Ethylbenzene	700	140	--	--	--	--	<0.38	<0.38	--	--	--	--	--	<0.38	<0.38	<0.38	<0.25	<0.38
Hexachlorobutadiene	--	--	--	--	--	--	<0.37	<0.37	--	--	--	--	--	<0.37	<0.37	<0.37	<0.25	<0.37
Isopropylbenzene	--	--	--	--	--	--	<0.36	<0.36	--	--	--	--	--	<0.36	<0.36	<0.36	<0.25	<0.36
p-Isopropyltoluene	--	--	--	--	--	--	<0.35	<0.35	--	--	--	--	--	<0.35	<0.35	<0.35	<0.25	<0.35
Methylene Chloride	5	0.5	--	--	--	--	1.2	1.1	--	--	--	--	--	1.9	3.2	0.99	30	2.0
Methyl-tert-butyl ether	60	12	--	--	--	--	<0.14	<0.14	--	--	--	--	--	<0.14	<0.14	<0.14	<0.25	<0.14
Naphthalene	40	8	--	--	--	--	<0.35	<0.35	--	--	--	--	--	<0.35	<0.35	<0.35	<0.25	<0.35
n-Propylbenzene	--	--	--	--	--	--	<0.46	<0.46	--	--	--	--	--	<0.46	<0.46	<0.46	<0.25	<0.46
Styrene	100	10	--	--	--	--	<0.16	<0.16	--	--	--	--	--	<0.16	<0.16	<0.16	<0.25	<0.16
1,1,1,2-Tetrachloroethane	70	7	--	--	--	--	<0.11	<0.11	--	--	--	--	--	<0.11	<0.11	<0.11	<0.25	<0.11
1,1,2,2-Tetrachloroethane	0.2	0.02	--	--	--	--	<0.39	<0.39	--	--	--	--	--	<0.39	<0.39	<0.39	<0.25	<0.39
Tetrachloroethene	5	0.5	--	--	--	--	6.5	2.2	--	--	--	--	--	<0.63	<0.63	<0.63	<0.25	<0.63
Tetrahydrofuran	50	10	<1.9	<1.9	22	<1.9	<1.9	<1.9	<1.9	<1.9	0.76	<0.25	<0.25	<1.9	<1.9	<1.9	0.97	<1.9
Toluene	1,000	200	--	--	--	--	<0.39	<0.39	--	--	--	--	--	<0.39	<0.39	<0.39	0.34	<0.39
1,2,3-Trichlorobenzene	--	--	--	--	--	--	<0.32	<0.32	--	--	--	--	--	<0.32	<0.32	<0.32	<0.25	<0.32
1,2,4-Trichlorobenzene	70	14	--	--	--	--	<0.18	<0.18	--	--	--	--	--	<0.18	<0.18	<0.18	<0.25	<0.18
1,1,1-Trichloroethane	200	40	--	--	--	--	<0.28	<0.28	--	--	--	--	--	<0.28	<0.28	<0.28	<0.25	<0.28
1,1,2-Trichloroethane	5	0.5	--	--	--	--	<0.15	<0.15	--	--	--	--	--	<0.15	<0.15	<0.15	<0.25	<0.15
Trichloroethene	5	0.5	--	--	--	--	5.6	3.6	--	--	--	--	--	<0.49	<0.49	<0.49	<0.25	<0.49
Trichlorofluoromethane	--	--	--	--	--	--	2.2	<0.58	--	--	--	--	--	<0.58	<0.58	<0.58	<0.25	<0.58
1,2,3-Trichloropropane	60	12	--	--	--	--	2.0	2.2	--	--	--	--	--	<0.28	<0.28	<0.28	<0.25	<0.28
1,2,4-Trimethylbenzene	480	96	--	--	--	--	<0.32	<0.32	--	--	--	--	--	<0.32	<0.32	<0.32	<0.10	<0.32
1,3,5-Trimethylbenzene	--	--	--	--	--	--	<0.33	<0.33	--	--	--	--	--	<0.33	<0.33	<0.33	<0.10	<0.33
Vinyl Chloride	0.2	0.02	--	--	--	--	<0.46	<0.46	--	--	--	--	--	<0.46	<0.46	<0.46	<0.25	<0.46
Xylenes, Total	10,000	1,000	--	--	--	--	<1.1	<1.1	--	--	--	--	--	<1.1	<1.1	<1.1	<0.25	<1.1
Lab Notes	--	--	--	--	--	--	(1)	(1)	--	--	--	--	--	(1)	(3)	(1)	--	(1)

**LABORATORY NOTES:**

- (1) Methylene chloride - Common lab solvent and contaminant.
- (2) Hexachlorobutadiene analysis - Standard outside of control limits. Methylene chloride - Common lab solvent and contaminant.
- (3) VOCs analysis = Result confirmed via re-analysis. Methylene chloride - Common lab solvent and contaminant.

**NOTE:**

Bold values exceed NR 140 enforcement standards.

By: LMH 1/21/02

Checked: SS 2/18/02



**Table 2**  
**Summary of Field Parameters**  
**Semi-Annual Groundwater Report**  
**Stoughton City Landfill**  
**BT<sup>2</sup> Project #1764**  
**November 2001**

Monitoring Well Number	Sampling Date	Depth to Water (ft.)	Total Depth (ft.)	Total Volume Purged (gal.)	Temperature (°C)	Dissolved Oxygen (ppm)	pH (standard units)	Specific Conductivity (µs/cm)	Turbidity
MW3S	11/20/01	10.03	19.4	4.5	11.1	4.0	7.39	675	Moderate
MW3D	11/20/01	10.89	73.0	29.8	11.7	3.0	7.44	315	None
MW3B	11/20/01	10.67	95.2	40.6	11.7	5.0	7.10	959	None
MW4S	11/20/01	7.33	15.2	3.8	10.6	7.5	7.20	347	Slight
MW4D	11/20/01	7.21	74.0	32.0	11.7	5.0	7.40	301	None
MW5S	11/20/01	7.25	16.6	4.5	11.1	2.0	7.05	833	Slight
MW5D	11/20/01	7.11	77.0	33.5	11.7	1.0	7.15	793	None
MW7S	11/20/01	3.62	15.1	5.5	10.6	2.0	7.40	453	None
MW7I	11/20/01	0.45	59.95	28.6	11.1	2.0	7.15	306	None
MW7B	11/20/01	0	--	Self Purging	11.1	2.0	7.20	417	None
MW8S	11/20/01	1.23	33.0	15.2	11.1	6.0	6.81	543	None
MW8I	11/20/01	1.10	62.45	120	11.7	8.0	7.04	597	None
MW8B	11/20/01	1.9	84.3	39.6	11.7	8.0	7.15	382	None
MW9S	11/20/01	2.09	30.1	13.4	11.7	1.0	6.90	514	Slight
MW9I	11/20/01	2.50	47.3	21.5	11.1	2.0	6.90	986	None
MW9B	11/20/01	2.22	83.4	39.0	11.7	2.0	6.75	297	None
MW10S	11/21/01	3.18	16.9	6.6	11.7	2.0	6.81	234	Moderate
MW10I	11/21/01	0	39.8	Self Purging	11.1	2.0	7.02	544	None
MW10D	11/21/01	0	86.6	Self Purging	11.1	2.0	7.07	444	None
MW13S	11/21/01	3.41	16.75	6.4	11.7	5.0	6.71	863	Moderate
MW13I	11/21/01	0	51.5	Self Purging	11.1	3.0	6.90	757	None
MW13D	11/21/01	0	95.6	Self Purging	10.6	2.0	6.90	654	None
MW14S	11/21/01	3.87	26.2	10.7	11.1	1.0	7.10	1,249	None
MW14I	11/21/01	2.45	51.2	23.4	11.7	2.5	6.90	986	None
MW14D	11/21/01	2.20	89.6	42.0	11.1	1.0	7.07	958	None
MW15S	11/20/01	4.65	16.6	5.7	10.6	4.0	7.03	462	None
MW15I	11/20/01	2.38	57.4	26.4	11.1	5.0	7.18	557	None
MW15D	11/20/01	2.20	85.9	40.2	11.1	2.0	7.50	430	None
MW5D DUP	11/20/01	7.11	77.0	33.5	11.7	1.0	7.15	793	None
MW8I DUP	11/20/01	1.10	62.45	120	11.7	8.0	7.04	597	None
MW14D DUP	11/21/01	2.20	89.6	42.0	11.1	1.0	7.07	958	None
Field #1 Blank	11/20/01	--	--	--	--	--	--	--	None
Field #2 Blank	11/21/01	--	--	--	--	--	--	--	None

By: SS 01/18/02  
Checked: JP 01/18/02

**Table 3**  
**Target Compound Detections**  
**Stoughton City Landfill**  
**BT<sup>2</sup> Project #1764**  
**November 2001**

Shallow Monitoring Wells				
Well	Current Event Concentration (µg/l)		Historical Range (µg/l)	
	DCDFM	THF	DCDFM	THF
MW9S	170	20	160-400	14-22
MW10S	4.9	ND	ND-20	ND-3.5
MW14S	110	ND	180-710	ND-50

Intermediate and Deep Monitoring Wells				
Well	Current Event Concentration (µg/l)		Historical Range (µg/l)	
	DCDFM	THF	DCDFM	THF
MW3D	ND	70	ND	53-310
MW5D	4.9	4.0	3.3-10	2.6-3.0
MW8I	ND	5.5	ND	7.4-20
MW9I	140	12	120-340	5.3
MW9B	6.5	ND	6.1	ND
MW10I	163	5.1	150-280	5.1-21
MW13I	ND	22	1.7-2.0	19-22
MW14I	140	ND	120-590	ND
MW14D	ND	ND	1.5	ND

**NOTES:**

1. DCDFM is dichlorodifluoromethane; THF is tetrahydrofuran.
2. ND = No detections.
3. DCDFM PAL = 200 µg/l, ES = 1,000 µg/l; THF PAL = 10 µg/l, ES = 50 µg/l.
4. Historical range includes 2 rounds of sampling performed by BT<sup>2</sup> (8/00, 4/01) and two rounds performed by Roy F. Weston in April 1998 and April 1999.
5. Data from Roy F. Weston is summarized on Table 3 of the QAPP submitted September 2000.

By: LMH 01/21/02  
Checked: SS 01/21/02

ATTACHMENT A







## ANALYTICAL REPORT

Mr. Steven Smith  
BT2, INC.  
2830 Dairy Drive  
Madison, WI 53704-6751

12/06/2001

Job No: 01.09520

Page 1 of 24

The following samples were received by TestAmerica for analysis:

Sample Number	Sample Description	Date Taken	Date Received
460725	00133999 Trip Blank 1764 Stough	11/21/2001	11/26/2001
460726	00133859 MW13S 1764 Stoughton	11/21/2001	11/26/2001
460727	00133860 MW13I 1764 Stoughton	11/21/2001	11/26/2001
460728	00133861 MW13D 1764 Stoughton	11/21/2001	11/26/2001
460729	00133862 MW-14S 1764 Stoughton	11/21/2001	11/26/2001
460730	00133863 MW-14I 1764 Stoughton	11/21/2001	11/26/2001
460731	00133864 MW-14D 1764 Stoughton	11/21/2001	11/26/2001
460732	00133864 MW-14D Dup 1764 Stough	11/21/2001	11/26/2001
460733	00133856 MW10S 1764 Stoughton	11/21/2001	11/26/2001
460734	00133857 MW10I 1764 Stoughton	11/21/2001	11/26/2001
460735	00133858 MW10D 1764 Stoughton	11/21/2001	11/26/2001
460736	00133997 Field Blank 1764 Stoug	11/21/2001	11/26/2001

  
Brian D. DeJong  
Organic Operations Manager

Facility/Well	DNR Cod	Test Name	Dup?	Result	Flags	MDL	LOQ	Sample #	Exceedance?
00133841	34423	DICHLOROMETHANE IN WHL WTR SAM	1	.1	FMM	0.25	0.83	460525	PAL Exceeded
00133844	34423	DICHLOROMETHANE IN WHL WTR SAM	1	2.2	JFMM	0.87	3.1	460527	PAL Exceeded
00133846	34423	DICHLOROMETHANE IN WHL WTR SAM	1	1.9	FMM	0.25	0.83	460529	PAL Exceeded
00133846	34423	DICHLOROMETHANE IN WHL WTR SAM	2	1.9	FMM	0.25	0.83	460530	PAL Exceeded
00133853	78124	BENZENE IN WATER (UG/L)	1	0.59	MMM	0.1	0.33	460531	PAL Exceeded
00133853	34423	DICHLOROMETHANE IN WHL WTR SAM	1	1.8	FMM	0.25	0.83	460531	PAL Exceeded
00133853	81607	TETRAHYDROFURAN IN WHOLE WATE	1	20	FMM	0.25	0.83	460531	PAL Exceeded
00133853	39180	TRICHLOROETHYLENE IN WHOLE WAT	1	0.54	JMMM	0.25	0.83	460531	PAL Exceeded
00133854	34423	DICHLOROMETHANE IN WHL WTR SAM	1	1.9	FMM	0.25	0.83	460532	PAL Exceeded
00133854	81607	TETRAHYDROFURAN IN WHOLE WATE	1	12	FMM	0.25	0.83	460532	PAL Exceeded
00133854	39180	TRICHLOROETHYLENE IN WHOLE WAT	1	1.1	MMM	0.25	0.83	460532	PAL Exceeded
00133855	34423	DICHLOROMETHANE IN WHL WTR SAM	1	1.9	FMM	0.25	0.83	460534	PAL Exceeded
00133997	32101	BROMODICHLOROMETHANE IN WHL W	1	0.28	JFMM	0.2	0.63	460538	PAL Exceeded
00133997	34423	DICHLOROMETHANE IN WHL WTR SAM	1	3.2	FMM	0.87	3.1	460538	PAL Exceeded
00133867	34423	DICHLOROMETHANE IN WHL WTR SAM	1	1.9	JFMM	0.87	3.1	460542	PAL Exceeded
00133849	34423	DICHLOROMETHANE IN WHL WTR SAM	1	2.2	JFMM	0.87	3.1	460545	PAL Exceeded
00133999	34423	DICHLOROMETHANE IN WHL WTR SAM	1	2	JFMM	0.87	3.1	460725	PAL Exceeded
00133860	81607	TETRAHYDROFURAN IN WHOLE WATE	1	22	MMM	1.9	6.1	460727	PAL Exceeded
00133862	34423	DICHLOROMETHANE IN WHL WTR SAM	1	1.2	JFMM	0.87	3.1	460729	PAL Exceeded
00133863	34423	DICHLOROMETHANE IN WHL WTR SAM	1	1.1	JFMM	0.87	3.1	460730	PAL Exceeded
00133863	34475	TETRACHLOROETHYLENE IN WHL WTR	1	2.2	MMM	0.63	2	460730	PAL Exceeded
00133863	39180	TRICHLOROETHYLENE IN WHOLE WAT	1	3.6	MMM	0.49	1.6	460730	PAL Exceeded
00133856	34423	DICHLOROMETHANE IN WHL WTR SAM	1	1.4	JFMM	0.87	3.1	460733	PAL Exceeded
00133857	34423	DICHLOROMETHANE IN WHL WTR SAM	1	2.1	JFMM	0.87	3.1	460734	PAL Exceeded
00133857	34475	TETRACHLOROETHYLENE IN WHL WTR	1	2.1	MMM	0.63	2	460734	PAL Exceeded
00133857	39180	TRICHLOROETHYLENE IN WHOLE WAT	1	1.4	JMMM	0.49	1.6	460734	PAL Exceeded
00133997	32101	BROMODICHLOROMETHANE IN WHL W	1	0.27	JFMM	0.2	0.63	460736	PAL Exceeded
00133997	34423	DICHLOROMETHANE IN WHL WTR SAM	1	0.99	JFMM	0.87	3.1	460736	PAL Exceeded
00133999	34423	DICHLOROMETHANE IN WHL WTR SAM	1	30	FMM	0.25	0.83	460523	PAL & ES Exceeded
00133841	81607	TETRAHYDROFURAN IN WHOLE WATE	1	70	FMM	0.25	0.83	460525	PAL & ES Exceeded
00133862	34475	TETRACHLOROETHYLENE IN WHL WTR	1	6.5	MMM	0.63	2	460729	PAL & ES Exceeded
00133862	39180	TRICHLOROETHYLENE IN WHOLE WAT	1	5.6	MMM	0.49	1.6	460729	PAL & ES Exceeded
00133857	39175	VINYL CHLORIDE IN WHOLE WATER SA	1	0.62	JMMM	0.46	1.5	460734	PAL & ES Exceeded
00133999	78124	BENZENE IN WATER (UG/L)	1		NMMM	0.1	0.33	460523	
00133999	81555	BROMOBENZENE IN WHL WTR SAMPLE	1		NMMM	0.25	0.83	460523	
00133999	77297	BROMOCHLOROMETHANE (UG/L)	1		NMMM	0.25	0.83	460523	
00133999	32101	BROMODICHLOROMETHANE IN WHL W	1		NMMM	0.25	0.83	460523	
00133999	32104	TRIBROMOMETHANE IN WHL WTR SAM	1		NMMM	0.25	0.83	460523	
00133999	34413	BROMOMETHANE IN WHL WTR SAMPL	1		NMMM	0.25	0.83	460523	
00133999	77342	BUTYLBENZENE, N- (UG/L)	1		NMMM	0.25	0.83	460523	
00133999	77350	BUTYLBENZENE, SEC- (UG/L)	1		NMMM	0.25	0.83	460523	
00133999	77353	BUTYLBENZENE, TERT- (UG/L)	1		NMMM	0.25	0.83	460523	



## ANALYTICAL REPORT

Mr. Steven Smith  
BT2, INC.  
2830 Dairy Drive  
Madison, WI 53704-6751

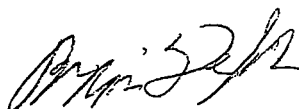
12/07/2001

Job No: 01.09469

Page 1 of 46

The following samples were received by TestAmerica for analysis:

Sample Number	Sample Description	Date Taken	Date Received
460523	00133999 Trip Blank 1764 Stough	11/20/2001	11/21/2001
460524	00133840 MW3S 1764 Stoughton	11/20/2001	11/21/2001
460525	00133841 MW3D 1764 Stoughton	11/20/2001	11/21/2001
460526	00133843 MW4S 1764 Stoughton	11/20/2001	11/21/2001
460527	00133844 MW4D 1764 Stoughton	11/20/2001	11/21/2001
460528	00133845 MW5S 1764 Stoughton	11/20/2001	11/21/2001
460529	00133846 MW5D 1764 Stoughton	11/20/2001	11/21/2001
460530	00133846 MW5D Dup 1764 Stoughto	11/20/2001	11/21/2001
460531	00133853 MW9S 1764 Stoughton	11/20/2001	11/21/2001
460532	00133854 MW9I 1764 Stoughton	11/20/2001	11/21/2001
460533	00133852 MW3B 1764 Stoughton	11/20/2001	11/21/2001
460534	00133855 MW9B 1764 Stoughton	11/20/2001	11/21/2001
460535	00133850 MW8S 1764 Stoughton	11/20/2001	11/21/2001
460536	00133851 MW8I 1764 Stoughton	11/20/2001	11/21/2001
460537	00133852 MW8B 1764 Stoughton	11/20/2001	11/21/2001
460538	00133997 Field Blank 1764 Stoug	11/20/2001	11/21/2001
460539	00133865 MW15S 1764 Stoughton	11/20/2001	11/21/2001
460540	00133866 MW15I 1764 Stoughton	11/20/2001	11/21/2001
460541	00133867 MW15D 1764 Stoughton	11/20/2001	11/21/2001
460542	00133867 MW15D Dup 1764 Stought	11/20/2001	11/21/2001



Brian D. DeJong  
Organic Operations Manager

## ANALYTICAL REPORT

Mr. Steven Smith  
BT2, INC.  
2830 Dairy Drive  
Madison, WI 53704-6751

12/07/2001

Job No: 01.09469

Page 2 of 46

The following samples were received by TestAmerica for analysis:

Sample Number	Sample Description	Date Taken	Date Received
460543	00133847 MW7S 1764 Stoughton	11/20/2001	11/21/2001
460544	00133848 MW7I 1764 Stoughton	11/20/2001	11/21/2001
460545	00133849 MW7B 1764 Stoughton	11/20/2001	11/21/2001

Brian D. DeJong  
Organic Operations Manager

BT2, INC.  
Job No: 01.09469

12/07/2001  
Page 3 of 46

## KEY TO DATA FLAGS

The attached sample(s) may have a result flag shown on the report. The following are the result flag definitions:

A = Analyzed/extracted past hold time  
B = Blank is contaminated  
C = Standard outside of control limits  
D = Diluted for analysis  
E = TCLP extraction outside of method required temperature range  
F = Sample filtered in lab  
G = Received past hold time  
H = Late eluting hydrocarbons present  
I = Improperly handled sample  
J = Estimated concentration  
L = Common lab solvent and contaminant  
M = Matrix interference  
P = Improperly preserved sample  
Q = Result confirmed via re-analysis  
S = Sediment present  
T = Does not match typical pattern  
W = BOD re-set due to missed dilution  
X = Unidentified compound(s) present  
Z = Internal standard outside limits  
\* = See Case Narrative

## KEY TO ANALYST INITIALS

The attached sample(s) may have been analyzed by another certified laboratory. If a number appears in the Analyst Initials field, the following are the appropriate certifications (if the lab code does not appear below, that means that WDNR certification is not required for the work performed):

Lab Code	Certification Number
008	WDNR - 999766900
009	WDNR - 241293690
060	ILNELAC - 100221; WDNR - 999447130
070	IA - 007; MDH - 019-999-319; WDNR - 999917270
130	WDNR - 632021390
147	WDNR - 721026460
300	FLNELAC - 87358; IA - 131; MDH - 047-999-345; WDNR - 998020430
400	WDNR - 113133790
510	WDNR - 241249360
700	WDNR - 113289110

TestAmerica Watertown IDNR ID - 294; MDH ID - 055-999-366

For questions regarding this report, please contact Dan Milewsky or Warren Topel.

## ANALYTICAL REPORT

Mr. Steven Smith  
 BT2, INC.  
 2830 Dairy Drive  
 Madison, WI 53704-6751

12/07/2001  
 Job No: 01.09469  
 Sample No: 460523  
 Account No: 10100  
 Page 4 of 46

JOB DESCRIPTION: 1764 Stoughton City Landfill  
 PROJECT DESCRIPTION: Groundwater Analysis  
 SAMPLE DESCRIPTION: 00133999 Trip Blank 1764 Stoughton  
 Rec'd on ice

Date/Time Taken: 11/20/2001 08:00

Date Received: 11/21/2001

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Analyst	Prep/Run Batch
VOC - AQUEOUS - EPA 8260B								
Misc VOC Compounds								
Benzene	<0.10	ug/L	0.10	0.33	SW 8260B	11/30/2001	aba	3204
Bromobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
Bromochloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
Bromodichloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
Bromoform	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
Bromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
n-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
sec-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
tert-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
Carbon Tetrachloride	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
Chlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
Chlorodibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
Chloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
Chloroform	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
Chloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
2-Chlorotoluene	<0.10	ug/L	0.10	0.33	SW 8260B	11/30/2001	aba	3204
4-Chlorotoluene	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
1,2-Dibromo-3-Chloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
1,2-Dibromoethane (EDB)	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
Dibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
1,2-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
1,3-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
1,4-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
Dichlorodifluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
1,1-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
1,2-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
1,1-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
cis-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
trans-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
1,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
1,3-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
2,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
1,1-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
cis-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
trans-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
Di-isopropyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
Ethylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204

## ANALYTICAL REPORT

Mr. Steven Smith  
 BT2, INC.  
 2830 Dairy Drive  
 Madison, WI 53704-6751

12/07/2001  
 Job No: 01.09469  
 Sample No: 460523  
 Account No: 10100  
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JOB DESCRIPTION: 1764 Stoughton City Landfill  
 PROJECT DESCRIPTION: Groundwater Analysis  
 SAMPLE DESCRIPTION: 00133999 Trip Blank 1764 Stoughton  
 Rec'd on ice

Date/Time Taken: 11/20/2001 08:00

Date Received: 11/21/2001

Parameter	Results	Units	MDL	LOQ	Method	Date		Prep/Run	
						Analyzed	Analyst	Batch	
Hexachlorobutadiene	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba		3204
Isopropylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba		3204
p-Isopropyltoluene	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba		3204
Methylene Chloride	30	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba		3204
Methyl-t-butyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba		3204
Naphthalene	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba		3204
n-Propylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba		3204
Styrene	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba		3204
1,1,1,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba		320
1,1,2,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba		3204
Tetrachloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba		3204
Tetrahydrofuran	0.97	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba		1435
Toluene	0.34	ug/L	0.10	0.33	SW 8260B	11/30/2001	aba		3204
1,2,3-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba		3204
1,2,4-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba		3204
1,1,1-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba		3204
1,1,2-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba		3204
Trichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba		3204
Trichlorofluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba		3204
1,2,3-Trichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba		3204
1,2,4-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	11/30/2001	aba		3204
1,3,5-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	11/30/2001	aba		3204
Vinyl Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba		3204
Xylenes, Total	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba		3204
Surr: Dibromofluoromethane	102.0	µ		86-119	SW 8260B	11/30/2001	aba		3204
Surr: Toluene-d8	97.2	µ		88-110	SW 8260B	11/30/2001	aba		3204
Surr: Bromofluorobenzene	97.4	µ		91-110	SW 8260B	11/30/2001	aba		3204

## ANALYTICAL REPORT

Mr. Steven Smith  
 BT2, INC.  
 2830 Dairy Drive  
 Madison, WI 53704-6751

12/07/2001  
 Job No: 01.09469  
 Sample No: 460524  
 Account No: 10100  
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JOB DESCRIPTION: 1764 Stoughton City Landfill  
 PROJECT DESCRIPTION: Groundwater Analysis  
 SAMPLE DESCRIPTION: 00133840 MW3S 1764 Stoughton  
 Rec'd on ice

Date/Time Taken: 11/20/2001 09:15

Date Received: 11/21/2001

Parameter	Results	Units	MDL	LOQ	Method	Date		Prep/Run
						Analyzed	Analyst	
VOC - AQUEOUS - EPA 8260B								
Misc VOC Compounds								
Dichlorodifluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
Tetrahydrofuran	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	1435
Surr: Dibromofluoromethane	103.4	%		86-119	SW 8260B	11/30/2001	aba	3204
Surr: Toluene-d8	97.2	%		88-110	SW 8260B	11/30/2001	aba	3204
Surr: Bromofluorobenzene	97.4	%		91-110	SW 8260B	11/30/2001	aba	3204

## ANALYTICAL REPORT

Mr. Steven Smith  
 BT2, INC.  
 2830 Dairy Drive  
 Madison, WI 53704-6751

12/07/2001  
 Job No: 01.09469  
 Sample No: 460525  
 Account No: 10100  
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JOB DESCRIPTION: 1764 Stoughton City Landfill  
 PROJECT DESCRIPTION: Groundwater Analysis  
 SAMPLE DESCRIPTION: 00133841 MW3D 1764 Stoughton  
 Rec'd on ice

Date/Time Taken: 11/20/2001 09:25

Date Received: 11/21/2001

Parameter	Results	Units	MDL	LOQ	Method	Date		Prep/Run
						Analyzed	Analyst	Batch
VOC - AQUEOUS - EPA 8260B								
Misc VOC Compounds								
Benzene	<0.10	ug/L	0.10	0.33	SW 8260B	11/30/2001	aba	3204
Bromobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
Bromochloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
Bromodichloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
Bromoform	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
Bromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
n-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
sec-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
tert-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
Carbon Tetrachloride	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
Chlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
Chlorodibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
Chloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
Chloroform	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
Chloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
2-Chlorotoluene	<0.10	ug/L	0.10	0.33	SW 8260B	11/30/2001	aba	3204
4-Chlorotoluene	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
1,2-Dibromo-3-Chloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
1,2-Dibromoethane (EDB)	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
Dibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
1,2-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
1,3-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
1,4-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
Dichlorodifluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
1,1-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
1,2-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
1,1-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
cis-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
trans-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
1,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
1,3-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
2,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
1,1-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
cis-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
trans-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
Di-isopropyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
Ethylbenzene	1.0	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204

## ANALYTICAL REPORT

Mr. Steven Smith  
 BT2, INC.  
 2830 Dairy Drive  
 Madison, WI 53704-6751

12/07/2001  
 Job No: 01.09469  
 Sample No: 460525  
 Account No: 10100  
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JOB DESCRIPTION: 1764 Stoughton City Landfill  
 PROJECT DESCRIPTION: Groundwater Analysis  
 SAMPLE DESCRIPTION: 00133841 MW3D 1764 Stoughton  
 Rec'd on ice

Date/Time Taken: 11/20/2001 09:25

Date Received: 11/21/2001

Parameter	Results	Units	MDL	LOQ	Method	Date		Prep/Run
						Analyzed	Analyst	Batch
Hexachlorobutadiene	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
Isopropylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
p-Isopropyltoluene	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
Methylene Chloride	L 1.0	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
Methyl-t-butyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
Naphthalene	0.51	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
n-Propylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
Styrene	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
1,1,1,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
1,1,2,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
Tetrachloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
Tetrahydrofuran	70	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	1435
Toluene	<0.10	ug/L	0.10	0.33	SW 8260B	11/30/2001	aba	3204
1,2,3-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
1,2,4-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
1,1,1-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
1,1,2-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
Trichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
Trichlorofluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
1,2,3-Trichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
1,2,4-Trimethylbenzene	1.2	ug/L	0.10	0.33	SW 8260B	11/30/2001	aba	3204
1,3,5-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	11/30/2001	aba	3204
Vinyl Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
Xylenes, Total	1.4	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
Surr: Dibromofluoromethane	102.4	%		86-119	SW 8260B	11/30/2001	aba	3204
Surr: Toluene-d8	97.2	%		88-110	SW 8260B	11/30/2001	aba	3204
Surr: Bromofluorobenzene	98.2	%		91-110	SW 8260B	11/30/2001	aba	3204



## ANALYTICAL REPORT

Mr. Steven Smith  
 BT2, INC.  
 2830 Dairy Drive  
 Madison, WI 53704-6751

12/07/2001  
 Job No: 01.09469  
 Sample No: 460526  
 Account No: 10100  
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JOB DESCRIPTION: 1764 Stoughton City Landfill  
 PROJECT DESCRIPTION: Groundwater Analysis  
 SAMPLE DESCRIPTION: 00133843 MW4S 1764 Stoughton  
 Rec'd on ice

Date/Time Taken: 11/20/2001 10:00

Date Received: 11/21/2001

Parameter	Results	Units	MDL	LOQ	Method	Date		Prep/Run	
						Analyzed	Analyst	Batch	
VOC - AQUEOUS - EPA 8260B									
Misc VOC Compounds									
Dichlorodifluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba		3204
Tetrahydrofuran	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba		1435
Surr: Dibromofluoromethane	104.2	%		86-119	SW 8260B	11/30/2001	aba		3204
Surr: Toluene-d8	98.4	%		88-110	SW 8260B	11/30/2001	aba		3204
Surr: Bromofluorobenzene	98.2	%		91-110	SW 8260B	11/30/2001	aba		3204

## ANALYTICAL REPORT

Mr. Steven Smith  
 BT2, INC.  
 2830 Dairy Drive  
 Madison, WI 53704-6751

12/07/2001  
 Job No: 01.09469  
 Sample No: 460527  
 Account No: 10100  
 Page 10 of 46

JOB DESCRIPTION: 1764 Stoughton City Landfill  
 PROJECT DESCRIPTION: Groundwater Analysis  
 SAMPLE DESCRIPTION: 00133844 MW4D 1764 Stoughton  
 Rec'd on ice

Date/Time Taken: 11/20/2001 10:20

Date Received: 11/21/2001

Parameter	Results	Units	MDL	LOQ	Method	Date		Prep/Run
						Analyzed	Analyst	
VOC - AQUEOUS - EPA 8260B								
Misc VOC Compounds								
Benzene	<0.31	ug/L	0.31	0.98	SW 8260B	12/04/2001	aba	1863
Bromobenzene	<0.20	ug/L	0.20	0.64	SW 8260B	12/04/2001	aba	1863
Bromochloromethane	<0.32	ug/L	0.32	1.0	SW 8260B	12/04/2001	aba	1863
Bromodichloromethane	<0.20	ug/L	0.20	0.63	SW 8260B	12/04/2001	aba	1863
Bromoform	<0.14	ug/L	0.14	0.45	SW 8260B	12/04/2001	aba	1863
Bromomethane	<0.46	ug/L	0.46	1.5	SW 8260B	12/04/2001	aba	1863
n-Butylbenzene	<0.44	ug/L	0.44	1.4	SW 8260B	12/04/2001	aba	1863
sec-Butylbenzene	<0.45	ug/L	0.45	1.4	SW 8260B	12/04/2001	aba	1863
tert-Butylbenzene	<0.38	ug/L	0.38	1.2	SW 8260B	12/04/2001	aba	1863
Carbon Tetrachloride	<0.40	ug/L	0.40	1.3	SW 8260B	12/04/2001	aba	1863
Chlorobenzene	<0.22	ug/L	0.22	0.69	SW 8260B	12/04/2001	aba	1863
Chlorodibromomethane	<0.10	ug/L	0.10	0.33	SW 8260B	12/04/2001	aba	1863
Chloroethane	<1.2	ug/L	1.2	3.9	SW 8260B	12/04/2001	aba	1863
Chloroform	<0.18	ug/L	0.18	0.58	SW 8260B	12/04/2001	aba	1863
Chloromethane	<0.38	ug/L	0.38	1.2	SW 8260B	12/04/2001	aba	1863
2-Chlorotoluene	<0.28	ug/L	0.28	0.90	SW 8260B	12/04/2001	aba	1863
4-Chlorotoluene	<0.47	ug/L	0.47	1.5	SW 8260B	12/04/2001	aba	1863
1,2-Dibromo-3-Chloropropane	<1.4	ug/L	1.4	4.5	SW 8260B	12/04/2001	aba	1863
1,2-Dibromoethane (EDB)	<0.16	ug/L	0.16	0.51	SW 8260B	12/04/2001	aba	1863
Dibromomethane	<0.11	ug/L	0.11	0.36	SW 8260B	12/04/2001	aba	1863
1,2-Dichlorobenzene	<0.20	ug/L	0.20	0.64	SW 8260B	12/04/2001	aba	1863
1,3-Dichlorobenzene	<0.22	ug/L	0.22	0.71	SW 8260B	12/04/2001	aba	1863
1,4-Dichlorobenzene	<0.35	ug/L	0.35	1.1	SW 8260B	12/04/2001	aba	1863
Dichlorodifluoromethane	<0.49	ug/L	0.49	1.6	SW 8260B	12/04/2001	aba	1863
1,1-Dichloroethane	<0.25	ug/L	0.25	0.79	SW 8260B	12/04/2001	aba	1863
1,2-Dichloroethane	<0.20	ug/L	0.20	0.63	SW 8260B	12/04/2001	aba	1863
1,1-Dichloroethene	<0.73	ug/L	0.73	2.3	SW 8260B	12/04/2001	aba	1863
cis-1,2-Dichloroethene	<0.23	ug/L	0.23	0.74	SW 8260B	12/04/2001	aba	1863
trans-1,2-Dichloroethene	<0.39	ug/L	0.39	1.2	SW 8260B	12/04/2001	aba	1863
1,2-Dichloropropane	<0.29	ug/L	0.29	0.93	SW 8260B	12/04/2001	aba	1863
1,3-Dichloropropane	<0.15	ug/L	0.15	0.46	SW 8260B	12/04/2001	aba	1863
2,2-Dichloropropane	<0.37	ug/L	0.37	1.2	SW 8260B	12/04/2001	aba	1863
1,1-Dichloropropene	<0.63	ug/L	0.63	2.0	SW 8260B	12/04/2001	aba	1863
cis-1,3-Dichloropropene	<0.17	ug/L	0.17	0.56	SW 8260B	12/04/2001	aba	1863
trans-1,3-Dichloropropene	<0.13	ug/L	0.13	0.42	SW 8260B	12/04/2001	aba	1863
Di-isopropyl ether	<0.13	ug/L	0.13	0.41	SW 8260B	12/04/2001	aba	1863
Ethylbenzene	0.83	ug/L	0.38	1.2	SW 8260B	12/04/2001	aba	1863

## ANALYTICAL REPORT

Mr. Steven Smith  
 BT2, INC.  
 2830 Dairy Drive  
 Madison, WI 53704-6751

12/07/2001  
 Job No: 01.09469  
 Sample No: 460527  
 Account No: 10100  
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JOB DESCRIPTION: 1764 Stoughton City Landfill  
 PROJECT DESCRIPTION: Groundwater Analysis  
 SAMPLE DESCRIPTION: 00133844 MW4D 1764 Stoughton  
 Rec'd on ice

Date/Time Taken: 11/20/2001 10:20

Date Received: 11/21/2001

Parameter	Results	Units	MDL	LOQ	Method	Date		Prep/Run	
						Analyzed	Analyst	Batch	Batch
Hexachlorobutadiene	<0.37	ug/L	0.37	1.2	SW 8260B	12/04/2001	aba	1863	1863
Isopropylbenzene	<0.36	ug/L	0.36	1.1	SW 8260B	12/04/2001	aba	1863	1863
p-Isopropyltoluene	<0.35	ug/L	0.35	1.1	SW 8260B	12/04/2001	aba	1863	1863
Methylene Chloride	L 2.2	ug/L	0.87	3.1	SW 8260B	12/04/2001	aba	1863	1863
Methyl-t-butyl ether	<0.14	ug/L	0.14	0.45	SW 8260B	12/04/2001	aba	1863	1863
Naphthalene	0.58	ug/L	0.35	1.1	SW 8260B	12/04/2001	aba	1863	1863
n-Propylbenzene	<0.46	ug/L	0.46	1.5	SW 8260B	12/04/2001	aba	1863	1863
Styrene	<0.16	ug/L	0.16	0.51	SW 8260B	12/04/2001	aba	1863	1863
1,1,1,2-Tetrachloroethane	<0.11	ug/L	0.11	0.34	SW 8260B	12/04/2001	aba	1863	1863
1,1,2,2-Tetrachloroethane	<0.39	ug/L	0.39	1.3	SW 8260B	12/04/2001	aba	1863	1863
Tetrachloroethene	<0.63	ug/L	0.63	2.0	SW 8260B	12/04/2001	aba	1863	1863
Tetrahydrofuran	<1.9	ug/L	1.9	6.1	SW 8260B	12/04/2001	aba	852	852
Toluene	<0.39	ug/L	0.39	1.3	SW 8260B	12/04/2001	aba	1863	1863
1,2,3-Trichlorobenzene	<0.32	ug/L	0.32	1.0	SW 8260B	12/04/2001	aba	1863	1863
1,2,4-Trichlorobenzene	<0.18	ug/L	0.18	0.57	SW 8260B	12/04/2001	aba	1863	1863
1,1,1-Trichloroethane	<0.28	ug/L	0.28	0.88	SW 8260B	12/04/2001	aba	1863	1863
1,1,2-Trichloroethane	<0.15	ug/L	0.15	0.46	SW 8260B	12/04/2001	aba	1863	1863
Trichloroethene	<0.49	ug/L	0.49	1.6	SW 8260B	12/04/2001	aba	1863	1863
Trichlorofluoromethane	<0.58	ug/L	0.58	1.8	SW 8260B	12/04/2001	aba	1863	1863
1,2,3-Trichloropropane	<0.28	ug/L	0.28	0.90	SW 8260B	12/04/2001	aba	1863	1863
1,2,4-Trimethylbenzene	1.1	ug/L	0.32	1.0	SW 8260B	12/04/2001	aba	1863	1863
1,3,5-Trimethylbenzene	<0.33	ug/L	0.33	1.0	SW 8260B	12/04/2001	aba	1863	1863
Vinyl Chloride	<0.46	ug/L	0.46	1.5	SW 8260B	12/04/2001	aba	1863	1863
Xylenes, Total	1.6	ug/L	1.1	3.6	SW 8260B	12/04/2001	aba	1863	1863
Surr: Dibromofluoromethane	101.6	%		87-121	SW 8260B	12/04/2001	aba	1863	1863
Surr: Toluene-d8	101.2	%		92-107	SW 8260B	12/04/2001	aba	1863	1863
Surr: Bromofluorobenzene	101.4	%		89-109	SW 8260B	12/04/2001	aba	1863	1863

## ANALYTICAL REPORT

Mr. Steven Smith  
BT2, INC.  
2830 Dairy Drive  
Madison, WI 53704-6751

12/07/2001  
Job No: 01.09469  
Sample No: 460528  
Account No: 10100  
Page 12 of 46

JOB DESCRIPTION: 1764 Stoughton City Landfill  
PROJECT DESCRIPTION: Groundwater Analysis  
SAMPLE DESCRIPTION: 00133845 MW5S 1764 Stoughton  
Rec'd on ice

Date/Time Taken: 11/20/2001 10:40

Date Received: 11/21/2001

Parameter	Results	Units	MDL	LOQ	Method	Date		Prep/Run
						Analyzed	Analyst	Batch
VOC - AQUEOUS - EPA 8260B								
Misc VOC Compounds								
Dichlorodifluoromethane	0.47	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
Tetrahydrofuran	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	1435
Surr: Dibromofluoromethane	104.6	%		86-119	SW 8260B	11/30/2001	aba	3204
Surr: Toluene-d8	96.4	%		88-110	SW 8260B	11/30/2001	aba	3204
Surr: Bromofluorobenzene	97.0	%		91-110	SW 8260B	11/30/2001	aba	3204

## ANALYTICAL REPORT

Mr. Steven Smith  
 BT2, INC.  
 2830 Dairy Drive  
 Madison, WI 53704-6751

12/07/2001  
 Job No: 01.09469  
 Sample No: 460529  
 Account No: 10100  
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JOB DESCRIPTION: 1764 Stoughton City Landfill  
 PROJECT DESCRIPTION: Groundwater Analysis  
 SAMPLE DESCRIPTION: 00133846 MW5D 1764 Stoughton  
 Rec'd on ice

Date/Time Taken: 11/20/2001 11:00

Date Received: 11/21/2001

Parameter	Results	Units	MDL	LOQ	Method	Date		Prep/Run
						Analyzed	Analyst	Batch
VOC - AQUEOUS - EPA 8260B								
Misc VOC Compounds								
Benzene	0.32	ug/L	0.10	0.33	SW 8260B	12/04/2001	aba	3222
Bromobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/04/2001	aba	3222
Bromochloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/04/2001	aba	3222
Bromodichloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/04/2001	aba	3222
Bromoform	<0.25	ug/L	0.25	0.83	SW 8260B	12/04/2001	aba	3222
Bromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/04/2001	aba	3222
n-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/04/2001	aba	3222
sec-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/04/2001	aba	3222
tert-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/04/2001	aba	3222
Carbon Tetrachloride	<0.25	ug/L	0.25	0.83	SW 8260B	12/04/2001	aba	3222
Chlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/04/2001	aba	3222
Chlorodibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/04/2001	aba	3222
Chloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/04/2001	aba	3222
Chloroform	<0.25	ug/L	0.25	0.83	SW 8260B	12/04/2001	aba	3222
Chloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/04/2001	aba	3222
2-Chlorotoluene	<0.10	ug/L	0.10	0.33	SW 8260B	12/04/2001	aba	3222
4-Chlorotoluene	<0.25	ug/L	0.25	0.83	SW 8260B	12/04/2001	aba	3222
1,2-Dibromo-3-Chloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/04/2001	aba	3222
1,2-Dibromoethane (EDB)	<0.25	ug/L	0.25	0.83	SW 8260B	12/04/2001	aba	3222
Dibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/04/2001	aba	3222
1,2-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/04/2001	aba	3222
1,3-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/04/2001	aba	3222
1,4-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/04/2001	aba	3222
Dichlorodifluoromethane	4.9	ug/L	0.25	0.83	SW 8260B	12/04/2001	aba	3222
1,1-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/04/2001	aba	3222
1,2-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/04/2001	aba	3222
1,1-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	12/04/2001	aba	3222
cis-1,2-Dichloroethene	0.75	ug/L	0.25	0.83	SW 8260B	12/04/2001	aba	3222
trans-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	12/04/2001	aba	3222
1,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/04/2001	aba	3222
1,3-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/04/2001	aba	3222
2,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/04/2001	aba	3222
1,1-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	12/04/2001	aba	3222
cis-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	12/04/2001	aba	3222
trans-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	12/04/2001	aba	3222
Di-isopropyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	12/04/2001	aba	3222
Ethylbenzene	0.81	ug/L	0.25	0.83	SW 8260B	12/04/2001	aba	3222

## ANALYTICAL REPORT

Mr. Steven Smith  
 BT2, INC.  
 2830 Dairy Drive  
 Madison, WI 53704-6751

12/07/2001  
 Job No: 01.09469  
 Sample No: 460529  
 Account No: 10100  
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JOB DESCRIPTION: 1764 Stoughton City Landfill  
 PROJECT DESCRIPTION: Groundwater Analysis  
 SAMPLE DESCRIPTION: 00133846 MW5D 1764 Stoughton  
 Rec'd on ice

Date/Time Taken: 11/20/2001 11:00

Date Received: 11/21/2001

Parameter	Results	Units	MDL	LOQ	Method	Date		Prep/Run
						Analyzed	Analyst	
Hexachlorobutadiene	<0.25	ug/L	0.25	0.83	SW 8260B	12/04/2001	aba	3222
Isopropylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/04/2001	aba	3222
p-Isopropyltoluene	<0.25	ug/L	0.25	0.83	SW 8260B	12/04/2001	aba	3222
Methylene Chloride	L 1.9	ug/L	0.25	0.83	SW 8260B	12/04/2001	aba	3222
Methyl-t-butyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	12/04/2001	aba	3222
Naphthalene	0.55	ug/L	0.25	0.83	SW 8260B	12/04/2001	aba	3222
n-Propylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/04/2001	aba	3222
Styrene	<0.25	ug/L	0.25	0.83	SW 8260B	12/04/2001	aba	3222
1,1,1,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/04/2001	aba	3222
1,1,2,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/04/2001	aba	3222
Tetrachloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	12/04/2001	aba	3222
Tetrahydrofuran	4.0	ug/L	0.25	0.83	SW 8260B	12/04/2001	aba	1453
Toluene	<0.10	ug/L	0.10	0.33	SW 8260B	12/04/2001	aba	3222
1,2,3-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/04/2001	aba	3222
1,2,4-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/04/2001	aba	3222
1,1,1-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/04/2001	aba	3222
1,1,2-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/04/2001	aba	3222
Trichloroethene	0.42	ug/L	0.25	0.83	SW 8260B	12/04/2001	aba	3222
Trichlorofluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/04/2001	aba	3222
1,2,3-Trichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/04/2001	aba	3222
1,2,4-Trimethylbenzene	1.1	ug/L	0.10	0.33	SW 8260B	12/04/2001	aba	3222
1,3,5-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	12/04/2001	aba	3222
Vinyl Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	12/04/2001	aba	3222
Xylenes, Total	1.2	ug/L	0.25	0.83	SW 8260B	12/04/2001	aba	3222
Surr: Dibromofluoromethane	98.2	%		86-119	SW 8260B	12/04/2001	aba	3222
Surr: Toluene-d8	97.6	%		88-110	SW 8260B	12/04/2001	aba	3222
Surr: Bromofluorobenzene	100.4	%		91-110	SW 8260B	12/04/2001	aba	3222

## ANALYTICAL REPORT

Mr. Steven Smith  
 BT2, INC.  
 2830 Dairy Drive  
 Madison, WI 53704-6751

12/07/2001  
 Job No: 01.09469  
 Sample No: 460530  
 Account No: 10100  
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JOB DESCRIPTION: 1764 Stoughton City Landfill  
 PROJECT DESCRIPTION: Groundwater Analysis  
 SAMPLE DESCRIPTION: 00133846 MW5D Dup 1764 Stoughton  
 Rec'd on ice

Date/Time Taken: 11/20/2001 11:00

Date Received: 11/21/2001

Parameter	Results	Units	MDL	LOQ	Method	Date	Analyst	Prep/Run
						Analyzed		Batch
VOC - AQUEOUS - EPA 8260B								
Misc VOC Compounds								
Benzene	0.32	ug/L	0.10	0.33	SW 8260B	12/04/2001	aba	3222
Bromobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/04/2001	aba	3222
Bromochloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/04/2001	aba	3222
Bromodichloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/04/2001	aba	3222
Bromoform	<0.25	ug/L	0.25	0.83	SW 8260B	12/04/2001	aba	3222
Bromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/04/2001	aba	3222
n-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/04/2001	aba	322
sec-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/04/2001	aba	3222
tert-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/04/2001	aba	3222
Carbon Tetrachloride	<0.25	ug/L	0.25	0.83	SW 8260B	12/04/2001	aba	3222
Chlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/04/2001	aba	3222
Chlorodibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/04/2001	aba	3222
Chloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/04/2001	aba	3222
Chloroform	<0.25	ug/L	0.25	0.83	SW 8260B	12/04/2001	aba	3222
Chloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/04/2001	aba	3222
2-Chlorotoluene	<0.10	ug/L	0.10	0.33	SW 8260B	12/04/2001	aba	3222
4-Chlorotoluene	<0.25	ug/L	0.25	0.83	SW 8260B	12/04/2001	aba	3222
1,2-Dibromo-3-Chloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/04/2001	aba	3222
1,2-Dibromoethane (EDB)	<0.25	ug/L	0.25	0.83	SW 8260B	12/04/2001	aba	3222
Dibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/04/2001	aba	3222
1,2-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/04/2001	aba	3222
1,3-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/04/2001	aba	3222
1,4-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/04/2001	aba	3222
Dichlorodifluoromethane	4.8	ug/L	0.25	0.83	SW 8260B	12/04/2001	aba	3222
1,1-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/04/2001	aba	3222
1,2-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/04/2001	aba	3222
1,1-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	12/04/2001	aba	3222
cis-1,2-Dichloroethene	0.74	ug/L	0.25	0.83	SW 8260B	12/04/2001	aba	3222
trans-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	12/04/2001	aba	3222
1,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/04/2001	aba	3222
1,3-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/04/2001	aba	3222
2,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/04/2001	aba	3222
1,1-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	12/04/2001	aba	3222
cis-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	12/04/2001	aba	3222
trans-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	12/04/2001	aba	322
Di-isopropyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	12/04/2001	aba	3222
Ethylbenzene	0.80	ug/L	0.25	0.83	SW 8260B	12/04/2001	aba	3222

## ANALYTICAL REPORT

Mr. Steven Smith  
 BT2, INC.  
 2830 Dairy Drive  
 Madison, WI 53704-6751

12/07/2001  
 Job No: 01.09469  
 Sample No: 460530  
 Account No: 10100  
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JOB DESCRIPTION: 1764 Stoughton City Landfill  
 PROJECT DESCRIPTION: Groundwater Analysis  
 SAMPLE DESCRIPTION: 00133846 MW5D Dup 1764 Stoughton  
 Rec'd on ice

Date/Time Taken: 11/20/2001 11:00

Date Received: 11/21/2001

Parameter	Results	Units	MDL	LOQ	Method	Date		Prep/Run
						Analyzed	Analyst	
Hexachlorobutadiene	<0.25	ug/L	0.25	0.83	SW 8260B	12/04/2001	aba	3222
Isopropylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/04/2001	aba	3222
p-Isopropyltoluene	<0.25	ug/L	0.25	0.83	SW 8260B	12/04/2001	aba	3222
Methylene Chloride	L 1.9	ug/L	0.25	0.83	SW 8260B	12/04/2001	aba	3222
Methyl-t-butyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	12/04/2001	aba	3222
Naphthalene	0.55	ug/L	0.25	0.83	SW 8260B	12/04/2001	aba	3222
n-Propylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/04/2001	aba	3222
Styrene	<0.25	ug/L	0.25	0.83	SW 8260B	12/04/2001	aba	3222
1,1,1,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/04/2001	aba	3222
1,1,2,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/04/2001	aba	3222
Tetrachloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	12/04/2001	aba	3222
Tetrahydrofuran	3.5	ug/L	0.25	0.83	SW 8260B	12/04/2001	aba	1453
Toluene	<0.10	ug/L	0.10	0.33	SW 8260B	12/04/2001	aba	3222
1,2,3-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/04/2001	aba	3222
1,2,4-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/04/2001	aba	3222
1,1,1-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/04/2001	aba	3222
1,1,2-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/04/2001	aba	3222
Trichloroethene	0.42	ug/L	0.25	0.83	SW 8260B	12/04/2001	aba	3222
Trichlorofluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/04/2001	aba	3222
1,2,3-Trichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/04/2001	aba	3222
1,2,4-Trimethylbenzene	1.1	ug/L	0.10	0.33	SW 8260B	12/04/2001	aba	3222
1,3,5-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	12/04/2001	aba	3222
Vinyl Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	12/04/2001	aba	3222
Xylenes, Total	1.2	ug/L	0.25	0.83	SW 8260B	12/04/2001	aba	3222
Surr: Dibromofluoromethane	97.2	%		86-119	SW 8260B	12/04/2001	aba	3222
Surr: Toluene-d8	96.4	%		88-110	SW 8260B	12/04/2001	aba	3222
Surr: Bromofluorobenzene	100.0	%		91-110	SW 8260B	12/04/2001	aba	3222



## ANALYTICAL REPORT

Mr. Steven Smith  
 BT2, INC.  
 2830 Dairy Drive  
 Madison, WI 53704-6751

12/07/2001  
 Job No: 01.09469  
 Sample No: 460531  
 Account No: 10100  
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JOB DESCRIPTION: 1764 Stoughton City Landfill  
 PROJECT DESCRIPTION: Groundwater Analysis  
 SAMPLE DESCRIPTION: 00133853 MW9S 1764 Stoughton  
 Rec'd on ice

Date/Time Taken: 11/20/2001 13:00

Date Received: 11/21/2001

Parameter	Results	Units	MDL	LOQ	Method	Date		Prep/Run
						Analyzed	Analyst	Batch
VOC - AQUEOUS - EPA 8260B								
Misc VOC Compounds								
Benzene	0.59	ug/L	0.10	0.33	SW 8260B	11/30/2001	aba	3204
Bromobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
Bromochloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
Bromodichloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
Bromoform	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
Bromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
n-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
sec-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
tert-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
Carbon Tetrachloride	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
Chlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
Chlorodibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
Chloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
Chloroform	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
Chloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
2-Chlorotoluene	<0.10	ug/L	0.10	0.33	SW 8260B	11/30/2001	aba	3204
4-Chlorotoluene	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
1,2-Dibromo-3-Chloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
1,2-Dibromoethane (EDB)	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
Dibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
1,2-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
1,3-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
1,4-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
Dichlorodifluoromethane	170	ug/L	0.25	0.83	SW 8260B	12/01/2001	aba	3207
1,1-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
1,2-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
1,1-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
cis-1,2-Dichloroethene	0.49	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
trans-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
1,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
1,3-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
2,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
1,1-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
cis-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
trans-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
Di-isopropyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
Ethylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204

## ANALYTICAL REPORT

Mr. Steven Smith  
 BT2, INC.  
 2830 Dairy Drive  
 Madison, WI 53704-6751

12/07/2001  
 Job No: 01.09469  
 Sample No: 460531  
 Account No: 10100  
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JOB DESCRIPTION: 1764 Stoughton City Landfill  
 PROJECT DESCRIPTION: Groundwater Analysis  
 SAMPLE DESCRIPTION: 00133853 MW9S 1764 Stoughton  
 Rec'd on ice

Date/Time Taken: 11/20/2001 13:00

Date Received: 11/21/2001

Parameter	Results	Units	MDL	LOQ	Method	Date		Prep/Run
						Analyzed	Analyst	
Hexachlorobutadiene	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
Isopropylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
p-Isopropyltoluene	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
Methylene Chloride	L 1.8	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
Methyl-t-butyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
Naphthalene	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
n-Propylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
Styrene	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
1,1,1,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
1,1,2,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
Tetrachloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
Tetrahydrofuran	20	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	1435
Toluene	<0.10	ug/L	0.10	0.33	SW 8260B	11/30/2001	aba	3204
1,2,3-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
1,2,4-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
1,1,1-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
1,1,2-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
Trichloroethene	0.54	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
Trichlorofluoromethane	0.58	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
1,2,3-Trichloropropane	1.1	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
1,2,4-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	11/30/2001	aba	3204
1,3,5-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	11/30/2001	aba	3204
Vinyl Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
Xylenes, Total	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
Surr: Dibromofluoromethane	104.4	%		86-119	SW 8260B	11/30/2001	aba	3204
Surr: Toluene-d8	98.2	%		88-110	SW 8260B	11/30/2001	aba	3204
Surr: Bromofluorobenzene	98.0	%		91-110	SW 8260B	11/30/2001	aba	3204

## ANALYTICAL REPORT

Mr. Steven Smith  
 BT2, INC.  
 2830 Dairy Drive  
 Madison, WI 53704-6751

12/07/2001  
 Job No: 01.09469  
 Sample No: 460532  
 Account No: 10100  
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JOB DESCRIPTION: 1764 Stoughton City Landfill  
 PROJECT DESCRIPTION: Groundwater Analysis  
 SAMPLE DESCRIPTION: 00133854 MW9I 1764 Stoughton  
 Rec'd on ice

Date/Time Taken: 11/20/2001 13:15

Date Received: 11/21/2001

Parameter	Results	Units	MDL	LOQ	Method	Date		Prep/Run	
						Analyzed	Analyst	Batch	
VOC - AQUEOUS - EPA 8260B									
Misc VOC Compounds									
Benzene	0.33	ug/L	0.10	0.33	SW 8260B	11/30/2001	aba		3204
Bromobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba		3204
Bromochloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba		3204
Bromodichloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba		3204
Bromoform	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba		3204
Bromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba		3204
n-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba		3204
sec-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba		3204
tert-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba		3204
Carbon Tetrachloride	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba		3204
Chlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba		3204
Chlorodibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba		3204
Chloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba		3204
Chloroform	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba		3204
Chloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba		3204
2-Chlorotoluene	<0.10	ug/L	0.10	0.33	SW 8260B	11/30/2001	aba		3204
4-Chlorotoluene	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba		3204
1,2-Dibromo-3-Chloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba		3204
1,2-Dibromoethane (EDB)	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba		3204
Dibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba		3204
1,2-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba		3204
1,3-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba		3204
1,4-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba		3204
Dichlorodifluoromethane	140	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba		3204
1,1-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba		3204
1,2-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba		3204
1,1-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba		3204
cis-1,2-Dichloroethene	2.2	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba		3204
trans-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba		3204
1,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba		3204
1,3-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba		3204
2,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba		3204
1,1-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba		3204
cis-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba		3204
trans-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba		3204
Di-isopropyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba		3204
Ethylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba		3204

## ANALYTICAL REPORT

Mr. Steven Smith  
 BT2, INC.  
 2830 Dairy Drive  
 Madison, WI 53704-6751

12/07/2001  
 Job No: 01.09469  
 Sample No: 460532  
 Account No: 10100  
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JOB DESCRIPTION: 1764 Stoughton City Landfill  
 PROJECT DESCRIPTION: Groundwater Analysis  
 SAMPLE DESCRIPTION: 00133854 MW9I 1764 Stoughton  
 Rec'd on ice

Date/Time Taken: 11/20/2001 13:15

Date Received: 11/21/2001

Parameter	Results	Units	MDL	LOQ	Method	Date		Prep/Run
						Analyzed	Analyst	Batch
Hexachlorobutadiene	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
Isopropylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
p-Isopropyltoluene	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
Methylene Chloride	L 1.9	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
Methyl-t-butyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
Naphthalene	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
n-Propylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
Styrene	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
1,1,1,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
1,1,2,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
Tetrachloroethene	0.26	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
Tetrahydrofuran	12	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	1435
Toluene	<0.10	ug/L	0.10	0.33	SW 8260B	11/30/2001	aba	3204
1,2,3-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
1,2,4-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
1,1,1-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
1,1,2-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
Trichloroethene	1.1	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
Trichlorofluoromethane	5.7	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
1,2,3-Trichloropropane	0.68	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
1,2,4-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	11/30/2001	aba	3204
1,3,5-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	11/30/2001	aba	3204
Vinyl Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
Xylenes, Total	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
Surr: Dibromofluoromethane	105.4	%		86-119	SW 8260B	11/30/2001	aba	3204
Surr: Toluene-d8	97.6	%		88-110	SW 8260B	11/30/2001	aba	3204
Surr: Bromofluorobenzene	97.2	%		91-110	SW 8260B	11/30/2001	aba	3204

## ANALYTICAL REPORT

Mr. Steven Smith  
 BT2, INC.  
 2830 Dairy Drive  
 Madison, WI 53704-6751

12/07/2001  
 Job No: 01.09469  
 Sample No: 460533  
 Account No: 10100  
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JOB DESCRIPTION: 1764 Stoughton City Landfill  
 PROJECT DESCRIPTION: Groundwater Analysis  
 SAMPLE DESCRIPTION: 00133852 MW3B 1764 Stoughton  
 Rec'd on ice

Date/Time Taken: 11/20/2001 09:40

Date Received: 11/21/2001

Parameter	Results	Units	MDL	LOQ	Method	Date		Prep/Run
						Analyzed	Analyst	Batch
VOC - AQUEOUS - EPA 8260B								
Misc VOC Compounds								
Dichlorodifluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3205
Tetrahydrofuran	<0.25	ug/L	0.25	0.83	SW 8260B	12/01/2001	aba	1436
Surr: Dibromofluoromethane	104.2	%		86-119	SW 8260B	12/01/2001	aba	3205
Surr: Toluene-d8	97.2	%		88-110	SW 8260B	12/01/2001	aba	3205
Surr: Bromofluorobenzene	97.0	%		91-110	SW 8260B	12/01/2001	aba	3205

## ANALYTICAL REPORT

Mr. Steven Smith  
 BT2, INC.  
 2830 Dairy Drive  
 Madison, WI 53704-6751

12/07/2001  
 Job No: 01.09469  
 Sample No: 460534  
 Account No: 10100  
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JOB DESCRIPTION: 1764 Stoughton City Landfill  
 PROJECT DESCRIPTION: Groundwater Analysis  
 SAMPLE DESCRIPTION: 00133855 MW9B 1764 Stoughton  
 Rec'd on ice

Date/Time Taken: 11/20/2001 13:45

Date Received: 11/21/2001

Parameter	Results	Units	MDL	LOQ	Method	Date		Prep/Run
						Analyzed	Analyst	
VOC - AQUEOUS - EPA 8260B								
Misc VOC Compounds								
Benzene	<0.10	ug/L	0.10	0.33	SW 8260B	12/01/2001	aba	3205
Bromobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/01/2001	aba	3205
Bromochloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/01/2001	aba	3205
Bromodichloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/01/2001	aba	3205
Bromoform	<0.25	ug/L	0.25	0.83	SW 8260B	12/01/2001	aba	3205
Bromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/01/2001	aba	3205
n-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/01/2001	aba	3205
sec-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/01/2001	aba	3205
tert-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/01/2001	aba	3205
Carbon Tetrachloride	<0.25	ug/L	0.25	0.83	SW 8260B	12/01/2001	aba	3205
Chlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/01/2001	aba	3205
Chlorodibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/01/2001	aba	3205
Chloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/01/2001	aba	3205
Chloroform	<0.25	ug/L	0.25	0.83	SW 8260B	12/01/2001	aba	3205
Chloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/01/2001	aba	3205
2-Chlorotoluene	<0.10	ug/L	0.10	0.33	SW 8260B	12/01/2001	aba	3205
4-Chlorotoluene	<0.25	ug/L	0.25	0.83	SW 8260B	12/01/2001	aba	3205
1,2-Dibromo-3-Chloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/01/2001	aba	3205
1,2-Dibromoethane (EDB)	<0.25	ug/L	0.25	0.83	SW 8260B	12/01/2001	aba	3205
Dibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/01/2001	aba	3205
1,2-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/01/2001	aba	3205
1,3-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/01/2001	aba	3205
1,4-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/01/2001	aba	3205
Dichlorodifluoromethane	6.5	ug/L	0.25	0.83	SW 8260B	12/01/2001	aba	3205
1,1-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/01/2001	aba	3205
1,2-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/01/2001	aba	3205
1,1-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	12/01/2001	aba	3205
cis-1,2-Dichloroethene	0.41	ug/L	0.25	0.83	SW 8260B	12/01/2001	aba	3205
trans-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	12/01/2001	aba	3205
1,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/01/2001	aba	3205
1,3-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/01/2001	aba	3205
2,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/01/2001	aba	3205
1,1-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	12/01/2001	aba	3205
cis-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	12/01/2001	aba	3205
trans-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	12/01/2001	aba	3205
Di-isopropyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	12/01/2001	aba	3205
Ethylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/01/2001	aba	3205

## ANALYTICAL REPORT

Mr. Steven Smith  
 BT2, INC.  
 2830 Dairy Drive  
 Madison, WI 53704-6751

12/07/2001  
 Job No: 01.09469  
 Sample No: 460534  
 Account No: 10100  
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JOB DESCRIPTION: 1764 Stoughton City Landfill  
 PROJECT DESCRIPTION: Groundwater Analysis  
 SAMPLE DESCRIPTION: 00133855 MW9B 1764 Stoughton  
 Rec'd on ice

Date/Time Taken: 11/20/2001 13:45

Date Received: 11/21/2001

Parameter	Results	Units	MDL	LOQ	Method	Date		Prep/Run	
						Analyzed	Analyst	Batch	
Hexachlorobutadiene	C <0.25	ug/L	0.25	0.83	SW 8260B	12/01/2001	aba		3205
Isopropylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/01/2001	aba		3205
p-Isopropyltoluene	<0.25	ug/L	0.25	0.83	SW 8260B	12/01/2001	aba		3205
Methylene Chloride	L 1.9	ug/L	0.25	0.83	SW 8260B	12/01/2001	aba		3205
Methyl-t-butyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	12/01/2001	aba		3205
Naphthalene	<0.25	ug/L	0.25	0.83	SW 8260B	12/01/2001	aba		3205
n-Propylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/01/2001	aba		3205
Styrene	<0.25	ug/L	0.25	0.83	SW 8260B	12/01/2001	aba		3205
1,1,1,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/01/2001	aba		3205
1,1,2,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/01/2001	aba		3205
Tetrachloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	12/01/2001	aba		3205
Tetrahydrofuran	<0.25	ug/L	0.25	0.83	SW 8260B	12/01/2001	aba		1436
Toluene	<0.10	ug/L	0.10	0.33	SW 8260B	12/01/2001	aba		3205
1,2,3-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/01/2001	aba		3205
1,2,4-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/01/2001	aba		3205
1,1,1-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/01/2001	aba		3205
1,1,2-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/01/2001	aba		3205
Trichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	12/01/2001	aba		3205
Trichlorofluoromethane	4.7	ug/L	0.25	0.83	SW 8260B	12/01/2001	aba		3205
1,2,3-Trichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/01/2001	aba		3205
1,2,4-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	12/01/2001	aba		3205
1,3,5-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	12/01/2001	aba		3205
Vinyl Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	12/01/2001	aba		3205
Xylenes, Total	<0.25	ug/L	0.25	0.83	SW 8260B	12/01/2001	aba		3205
Surr: Dibromofluoromethane	103.4	%		86-119	SW 8260B	12/01/2001	aba		3205
Surr: Toluene-d8	97.4	%		88-110	SW 8260B	12/01/2001	aba		3205
Surr: Bromofluorobenzene	97.6	%		91-110	SW 8260B	12/01/2001	aba		3205

## ANALYTICAL REPORT

Mr. Steven Smith  
 BT2, INC.  
 2830 Dairy Drive  
 Madison, WI 53704-6751

12/07/2001  
 Job No: 01.09469  
 Sample No: 460535  
 Account No: 10100  
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JOB DESCRIPTION: 1764 Stoughton City Landfill  
 PROJECT DESCRIPTION: Groundwater Analysis  
 SAMPLE DESCRIPTION: 00133850 MW8S 1764 Stoughton  
 Rec'd on ice

Date/Time Taken: 11/20/2001 11:45

Date Received: 11/21/2001

Parameter	Results	Units	MDL	LOQ	Method	Date		Prep/Run	
						Analyzed	Analyst	Batch	
VOC - AQUEOUS - EPA 8260B									
Misc VOC Compounds									
Dichlorodifluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba		3205
Tetrahydrofuran	<0.25	ug/L	0.25	0.83	SW 8260B	12/01/2001	aba		1436
Surr: Dibromofluoromethane	105.8	%		86-119	SW 8260B	12/01/2001	aba		3205
Surr: Toluene-d8	97.0	%		88-110	SW 8260B	12/01/2001	aba		3205
Surr: Bromofluorobenzene	91.4	%		91-110	SW 8260B	12/01/2001	aba		3205



## ANALYTICAL REPORT

Mr. Steven Smith  
 BT2, INC.  
 2830 Dairy Drive  
 Madison, WI 53704-6751

12/07/2001  
 Job No: 01.09469  
 Sample No: 460536  
 Account No: 10100  
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JOB DESCRIPTION: 1764 Stoughton City Landfill  
 PROJECT DESCRIPTION: Groundwater Analysis  
 SAMPLE DESCRIPTION: 00133851 MW8I 1764 Stoughton  
 Rec'd on ice

Date/Time Taken: 11/20/2001 12:35

Date Received: 11/21/2001

Parameter	Results	Units	MDL	LOQ	Method	Date		Prep/Run	
						Analyzed	Analyst	Batch	
VOC - AQUEOUS - EPA 8260B									
Misc VOC Compounds									
Dichlorodifluoromethane	<0.49	ug/L	0.49	1.6	SW 8260B	12/01/2001	aba		1856
Tetrahydrofuran	5.5	ug/L	1.9	6.1	SW 8260B	12/01/2001	aba		850
Surr: Dibromofluoromethane	102.4	%		87-121	SW 8260B	12/01/2001	aba		1856
Surr: Toluene-d8	99.6	%		92-107	SW 8260B	12/01/2001	aba		1856
Surr: Bromofluorobenzene	101.0	%		89-109	SW 8260B	12/01/2001	aba		1856

## ANALYTICAL REPORT

Mr. Steven Smith  
BT2, INC.  
2830 Dairy Drive  
Madison, WI 53704-6751

12/07/2001  
Job No: 01.09469  
Sample No: 460537  
Account No: 10100  
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JOB DESCRIPTION: 1764 Stoughton City Landfill  
PROJECT DESCRIPTION: Groundwater Analysis  
SAMPLE DESCRIPTION: 00133852 MW8B 1764 Stoughton  
Rec'd on ice

Date/Time Taken: 11/20/2001 11:50

Date Received: 11/21/2001

Parameter	Results	Units	MDL	LOQ	Method	Date		Prep/Run	
						Analyzed	Analyst	Batch	
VOC - AQUEOUS - EPA 8260B									
Misc VOC Compounds									
Dichlorodifluoromethane	<0.49	ug/L	0.49	1.6	SW 8260B	12/01/2001	aba		1856
Tetrahydrofuran	<1.9	ug/L	1.9	6.1	SW 8260B	12/01/2001	aba		850
Surr: Dibromofluoromethane	104.4	%		87-121	SW 8260B	12/01/2001	aba		1856
Surr: Toluene-d8	98.4	%		92-107	SW 8260B	12/01/2001	aba		1856
Surr: Bromofluorobenzene	101.2	%		89-109	SW 8260B	12/01/2001	aba		1856

## ANALYTICAL REPORT

Mr. Steven Smith  
 BT2, INC.  
 2830 Dairy Drive  
 Madison, WI 53704-6751

12/07/2001  
 Job No: 01.09469  
 Sample No: 460538  
 Account No: 10100  
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JOB DESCRIPTION: 1764 Stoughton City Landfill  
 PROJECT DESCRIPTION: Groundwater Analysis  
 SAMPLE DESCRIPTION: 00133997 Field Blank 1764 Stoughton  
 Rec'd on ice

Date/Time Taken: 11/20/2001 11:15

Date Received: 11/21/2001

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Analyst	Prep/Run Batch
VOC - AQUEOUS - EPA 8260B	Q							
Misc VOC Compounds								
Benzene	<0.31	ug/L	0.31	0.98	SW 8260B	12/04/2001	aba	1863
Bromobenzene	<0.20	ug/L	0.20	0.64	SW 8260B	12/04/2001	aba	1863
Bromochloromethane	<0.32	ug/L	0.32	1.0	SW 8260B	12/04/2001	aba	1863
Bromodichloromethane	0.28	ug/L	0.20	0.63	SW 8260B	12/04/2001	aba	1863
Bromoform	0.32	ug/L	0.14	0.45	SW 8260B	12/04/2001	aba	1863
Bromomethane	<0.46	ug/L	0.46	1.5	SW 8260B	12/04/2001	aba	1863
n-Butylbenzene	<0.44	ug/L	0.44	1.4	SW 8260B	12/04/2001	aba	1863
sec-Butylbenzene	<0.45	ug/L	0.45	1.4	SW 8260B	12/04/2001	aba	1863
tert-Butylbenzene	<0.38	ug/L	0.38	1.2	SW 8260B	12/04/2001	aba	1863
Carbon Tetrachloride	<0.40	ug/L	0.40	1.3	SW 8260B	12/04/2001	aba	1863
Chlorobenzene	<0.22	ug/L	0.22	0.69	SW 8260B	12/04/2001	aba	1863
Chlorodibromomethane	0.44	ug/L	0.10	0.33	SW 8260B	12/04/2001	aba	1863
Chloroethane	<1.2	ug/L	1.2	3.9	SW 8260B	12/04/2001	aba	1863
Chloroform	<0.18	ug/L	0.18	0.58	SW 8260B	12/04/2001	aba	1863
Chloromethane	<0.38	ug/L	0.38	1.2	SW 8260B	12/04/2001	aba	1863
2-Chlorotoluene	<0.28	ug/L	0.28	0.90	SW 8260B	12/04/2001	aba	1863
4-Chlorotoluene	<0.47	ug/L	0.47	1.5	SW 8260B	12/04/2001	aba	1863
1,2-Dibromo-3-Chloropropane	<1.4	ug/L	1.4	4.5	SW 8260B	12/04/2001	aba	1863
1,2-Dibromoethane (EDB)	<0.16	ug/L	0.16	0.51	SW 8260B	12/04/2001	aba	1863
Dibromomethane	<0.11	ug/L	0.11	0.36	SW 8260B	12/04/2001	aba	1863
1,2-Dichlorobenzene	<0.20	ug/L	0.20	0.64	SW 8260B	12/04/2001	aba	1863
1,3-Dichlorobenzene	<0.22	ug/L	0.22	0.71	SW 8260B	12/04/2001	aba	1863
1,4-Dichlorobenzene	<0.35	ug/L	0.35	1.1	SW 8260B	12/04/2001	aba	1863
Dichlorodifluoromethane	<0.49	ug/L	0.49	1.6	SW 8260B	12/04/2001	aba	1863
1,1-Dichloroethane	<0.25	ug/L	0.25	0.79	SW 8260B	12/04/2001	aba	1863
1,2-Dichloroethane	<0.20	ug/L	0.20	0.63	SW 8260B	12/04/2001	aba	1863
1,1-Dichloroethene	<0.73	ug/L	0.73	2.3	SW 8260B	12/04/2001	aba	1863
cis-1,2-Dichloroethene	<0.23	ug/L	0.23	0.74	SW 8260B	12/04/2001	aba	1863
trans-1,2-Dichloroethene	<0.39	ug/L	0.39	1.2	SW 8260B	12/04/2001	aba	1863
1,2-Dichloropropane	<0.29	ug/L	0.29	0.93	SW 8260B	12/04/2001	aba	1863
1,3-Dichloropropane	<0.15	ug/L	0.15	0.46	SW 8260B	12/04/2001	aba	1863
2,2-Dichloropropane	<0.37	ug/L	0.37	1.2	SW 8260B	12/04/2001	aba	1863
1,1-Dichloropropene	<0.63	ug/L	0.63	2.0	SW 8260B	12/04/2001	aba	1863
cis-1,3-Dichloropropene	<0.17	ug/L	0.17	0.56	SW 8260B	12/04/2001	aba	1863
trans-1,3-Dichloropropene	<0.13	ug/L	0.13	0.42	SW 8260B	12/04/2001	aba	1863
Di-isopropyl ether	<0.13	ug/L	0.13	0.41	SW 8260B	12/04/2001	aba	1863
Ethylbenzene	<0.38	ug/L	0.38	1.2	SW 8260B	12/04/2001	aba	1863

## ANALYTICAL REPORT

Mr. Steven Smith  
 BT2, INC.  
 2830 Dairy Drive  
 Madison, WI 53704-6751

12/07/2001  
 Job No: 01.09469  
 Sample No: 460538  
 Account No: 10100  
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JOB DESCRIPTION: 1764 Stoughton City Landfill  
 PROJECT DESCRIPTION: Groundwater Analysis  
 SAMPLE DESCRIPTION: 00133997 Field Blank 1764 Stoughton  
 Rec'd on ice

Date/Time Taken: 11/20/2001 11:15

Date Received: 11/21/2001

Parameter	Results	Units	MDL	LOQ	Method	Date		Prep/Run
						Analyzed	Analyst Batch	
Hexachlorobutadiene	<0.37	ug/L	0.37	1.2	SW 8260B	12/04/2001	aba	1863
Isopropylbenzene	<0.36	ug/L	0.36	1.1	SW 8260B	12/04/2001	aba	1863
p-Isopropyltoluene	<0.35	ug/L	0.35	1.1	SW 8260B	12/04/2001	aba	1863
Methylene Chloride	L 3.2	ug/L	0.87	3.1	SW 8260B	12/04/2001	aba	1863
Methyl-t-butyl ether	<0.14	ug/L	0.14	0.45	SW 8260B	12/04/2001	aba	1863
Naphthalene	<0.35	ug/L	0.35	1.1	SW 8260B	12/04/2001	aba	1863
n-Propylbenzene	<0.46	ug/L	0.46	1.5	SW 8260B	12/04/2001	aba	1863
Styrene	<0.16	ug/L	0.16	0.51	SW 8260B	12/04/2001	aba	1863
1,1,1,2-Tetrachloroethane	<0.11	ug/L	0.11	0.34	SW 8260B	12/04/2001	aba	1863
1,1,2,2-Tetrachloroethane	<0.39	ug/L	0.39	1.3	SW 8260B	12/04/2001	aba	1863
Tetrachloroethene	<0.63	ug/L	0.63	2.0	SW 8260B	12/04/2001	aba	1863
Tetrahydrofuran	<1.9	ug/L	1.9	6.1	SW 8260B	12/01/2001	aba	850
Toluene	<0.39	ug/L	0.39	1.3	SW 8260B	12/04/2001	aba	1863
1,2,3-Trichlorobenzene	<0.32	ug/L	0.32	1.0	SW 8260B	12/04/2001	aba	1863
1,2,4-Trichlorobenzene	<0.18	ug/L	0.18	0.57	SW 8260B	12/04/2001	aba	1863
1,1,1-Trichloroethane	<0.28	ug/L	0.28	0.88	SW 8260B	12/04/2001	aba	1863
1,1,2-Trichloroethane	<0.15	ug/L	0.15	0.46	SW 8260B	12/04/2001	aba	1863
Trichloroethene	<0.49	ug/L	0.49	1.6	SW 8260B	12/04/2001	aba	1863
Trichlorofluoromethane	<0.58	ug/L	0.58	1.8	SW 8260B	12/04/2001	aba	1863
1,2,3-Trichloropropane	<0.28	ug/L	0.28	0.90	SW 8260B	12/04/2001	aba	1863
1,2,4-Trimethylbenzene	<0.32	ug/L	0.32	1.0	SW 8260B	12/04/2001	aba	1863
1,3,5-Trimethylbenzene	<0.33	ug/L	0.33	1.0	SW 8260B	12/04/2001	aba	1863
Vinyl Chloride	<0.46	ug/L	0.46	1.5	SW 8260B	12/04/2001	aba	1863
Xylenes, Total	<1.1	ug/L	1.1	3.6	SW 8260B	12/04/2001	aba	1863
Surr: Dibromofluoromethane	101.0	†		87-121	SW 8260B	12/04/2001	aba	1863
Surr: Toluene-d8	100.4	†		92-107	SW 8260B	12/04/2001	aba	1863
Surr: Bromofluorobenzene	101.2	†		89-109	SW 8260B	12/04/2001	aba	1863

## ANALYTICAL REPORT

Mr. Steven Smith  
 BT2, INC.  
 2830 Dairy Drive  
 Madison, WI 53704-6751

12/07/2001  
 Job No: 01.09469  
 Sample No: 460539  
 Account No: 10100  
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JOB DESCRIPTION: 1764 Stoughton City Landfill  
 PROJECT DESCRIPTION: Groundwater Analysis  
 SAMPLE DESCRIPTION: 00133865 MW15S 1764 Stoughton  
 Rec'd on ice

Date/Time Taken: 11/20/2001 14:25

Date Received: 11/21/2001

Parameter	Results	Units	MDL	LOQ	Method	Date		Prep/Run
						Analyzed	Analyst	Batch
VOC - AQUEOUS - EPA 8260B								
Misc VOC Compounds								
Dichlorodifluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
Tetrahydrofuran	0.76	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	1435
Surr: Dibromofluoromethane	103.2	%		86-119	SW 8260B	11/30/2001	aba	3204
Surr: Toluene-d8	98.2	%		88-110	SW 8260B	11/30/2001	aba	3204
Surr: Bromofluorobenzene	97.4	%		91-110	SW 8260B	11/30/2001	aba	3204

## ANALYTICAL REPORT

Mr. Steven Smith  
 BT2, INC.  
 2830 Dairy Drive  
 Madison, WI 53704-6751

12/07/2001  
 Job No: 01.09469  
 Sample No: 460540  
 Account No: 10100  
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JOB DESCRIPTION: 1764 Stoughton City Landfill  
 PROJECT DESCRIPTION: Groundwater Analysis  
 SAMPLE DESCRIPTION: 00133866 MW15I 1764 Stoughton  
 Rec'd on ice

Date/Time Taken: 11/20/2001 14:55

Date Received: 11/21/2001

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Analyst	Prep/Run Batch
VOC - AQUEOUS - EPA 8260B								
Misc VOC Compounds								
Dichlorodifluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
Tetrahydrofuran	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	1435
Surr: Dibromofluoromethane	103.0	%		86-119	SW 8260B	11/30/2001	aba	3204
Surr: Toluene-d8	98.2	%		88-110	SW 8260B	11/30/2001	aba	3204
Surr: Bromofluorobenzene	97.0	%		91-110	SW 8260B	11/30/2001	aba	3204

## ANALYTICAL REPORT

Mr. Steven Smith  
 BT2, INC.  
 2830 Dairy Drive  
 Madison, WI 53704-6751

12/07/2001  
 Job No: 01.09469  
 Sample No: 460541  
 Account No: 10100  
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JOB DESCRIPTION: 1764 Stoughton City Landfill  
 PROJECT DESCRIPTION: Groundwater Analysis  
 SAMPLE DESCRIPTION: 00133867 MW15D 1764 Stoughton  
 Rec'd on ice

Date/Time Taken: 11/20/2001 15:30

Date Received: 11/21/2001

Parameter	Results	Units	MDL	LOQ	Method	Date		Prep/Run
						Analyzed	Analyst	Batch
VOC - AQUEOUS - EPA 8260B								
Misc VOC Compounds								
Dichlorodifluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	3204
Tetrahydrofuran	<0.25	ug/L	0.25	0.83	SW 8260B	11/30/2001	aba	1435
Surr: Dibromofluoromethane	103.8	%		86-119	SW 8260B	11/30/2001	aba	3204
Surr: Toluene-d8	96.4	%		88-110	SW 8260B	11/30/2001	aba	3204
Surr: Bromofluorobenzene	96.2	%		91-110	SW 8260B	11/30/2001	aba	3204

## ANALYTICAL REPORT

Mr. Steven Smith  
 BT2, INC.  
 2830 Dairy Drive  
 Madison, WI 53704-6751

12/07/2001  
 Job No: 01.09469  
 Sample No: 460542  
 Account No: 10100  
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JOB DESCRIPTION: 1764 Stoughton City Landfill  
 PROJECT DESCRIPTION: Groundwater Analysis  
 SAMPLE DESCRIPTION: 00133867 MW15D Dup 1764 Stoughton  
 Rec'd on ice

Date/Time Taken: 11/20/2001 15:30

Date Received: 11/21/2001

Parameter	Results	Units	MDL	LOQ	Method	Date		Prep/Run
						Analyzed	Analyst	
VOC - AQUEOUS - EPA 8260B								
Misc VOC Compounds								
Benzene	<0.31	ug/L	0.31	0.98	SW 8260B	12/01/2001	aba	1856
Bromobenzene	<0.20	ug/L	0.20	0.64	SW 8260B	12/01/2001	aba	1856
Bromochloromethane	<0.32	ug/L	0.32	1.0	SW 8260B	12/01/2001	aba	1856
Bromodichloromethane	<0.20	ug/L	0.20	0.63	SW 8260B	12/01/2001	aba	1856
Bromoform	<0.14	ug/L	0.14	0.45	SW 8260B	12/01/2001	aba	1856
Bromomethane	<0.46	ug/L	0.46	1.5	SW 8260B	12/01/2001	aba	1856
n-Butylbenzene	<0.44	ug/L	0.44	1.4	SW 8260B	12/01/2001	aba	1856
sec-Butylbenzene	<0.45	ug/L	0.45	1.4	SW 8260B	12/01/2001	aba	1856
tert-Butylbenzene	<0.38	ug/L	0.38	1.2	SW 8260B	12/01/2001	aba	1856
Carbon Tetrachloride	<0.40	ug/L	0.40	1.3	SW 8260B	12/01/2001	aba	1856
Chlorobenzene	<0.22	ug/L	0.22	0.69	SW 8260B	12/01/2001	aba	1856
Chlorodibromomethane	<0.10	ug/L	0.10	0.33	SW 8260B	12/01/2001	aba	1856
Chloroethane	<1.2	ug/L	1.2	3.9	SW 8260B	12/01/2001	aba	1856
Chloroform	<0.18	ug/L	0.18	0.58	SW 8260B	12/01/2001	aba	1856
Chloromethane	<0.38	ug/L	0.38	1.2	SW 8260B	12/01/2001	aba	1856
2-Chlorotoluene	<0.28	ug/L	0.28	0.90	SW 8260B	12/01/2001	aba	1856
4-Chlorotoluene	<0.47	ug/L	0.47	1.5	SW 8260B	12/01/2001	aba	1856
1,2-Dibromo-3-Chloropropane	<1.4	ug/L	1.4	4.5	SW 8260B	12/01/2001	aba	1856
1,2-Dibromoethane (EDB)	<0.16	ug/L	0.16	0.51	SW 8260B	12/01/2001	aba	1856
Dibromomethane	<0.11	ug/L	0.11	0.36	SW 8260B	12/01/2001	aba	1856
1,2-Dichlorobenzene	<0.20	ug/L	0.20	0.64	SW 8260B	12/01/2001	aba	1856
1,3-Dichlorobenzene	<0.22	ug/L	0.22	0.71	SW 8260B	12/01/2001	aba	1856
1,4-Dichlorobenzene	<0.35	ug/L	0.35	1.1	SW 8260B	12/01/2001	aba	1856
Dichlorodifluoromethane	<0.49	ug/L	0.49	1.6	SW 8260B	12/01/2001	aba	1856
1,1-Dichloroethane	<0.25	ug/L	0.25	0.79	SW 8260B	12/01/2001	aba	1856
1,2-Dichloroethane	<0.20	ug/L	0.20	0.63	SW 8260B	12/01/2001	aba	1856
1,1-Dichloroethene	<0.73	ug/L	0.73	2.3	SW 8260B	12/01/2001	aba	1856
cis-1,2-Dichloroethene	<0.23	ug/L	0.23	0.74	SW 8260B	12/01/2001	aba	1856
trans-1,2-Dichloroethene	<0.39	ug/L	0.39	1.2	SW 8260B	12/01/2001	aba	1856
1,2-Dichloropropane	<0.29	ug/L	0.29	0.93	SW 8260B	12/01/2001	aba	1856
1,3-Dichloropropane	<0.15	ug/L	0.15	0.46	SW 8260B	12/01/2001	aba	1856
2,2-Dichloropropane	<0.37	ug/L	0.37	1.2	SW 8260B	12/01/2001	aba	1856
1,1-Dichloropropene	<0.63	ug/L	0.63	2.0	SW 8260B	12/01/2001	aba	1856
cis-1,3-Dichloropropene	<0.17	ug/L	0.17	0.56	SW 8260B	12/01/2001	aba	1856
trans-1,3-Dichloropropene	<0.13	ug/L	0.13	0.42	SW 8260B	12/01/2001	aba	1856
Di-isopropyl ether	<0.13	ug/L	0.13	0.41	SW 8260B	12/01/2001	aba	1856
Ethylbenzene	<0.38	ug/L	0.38	1.2	SW 8260B	12/01/2001	aba	1856



## ANALYTICAL REPORT

Mr. Steven Smith  
 BT2, INC.  
 2830 Dairy Drive  
 Madison, WI 53704-6751

12/07/2001  
 Job No: 01.09469  
 Sample No: 460542  
 Account No: 10100  
 Page 33 of 46

JOB DESCRIPTION: 1764 Stoughton City Landfill  
 PROJECT DESCRIPTION: Groundwater Analysis  
 SAMPLE DESCRIPTION: 00133867 MW15D Dup 1764 Stoughton  
 Rec'd on ice

Date/Time Taken: 11/20/2001 15:30

Date Received: 11/21/2001

Parameter	Results	Units	MDL	LOQ	Method	Date		Prep/Run
						Analyzed	Analyst	Batch
Hexachlorobutadiene	<0.37	ug/L	0.37	1.2	SW 8260B	12/01/2001	aba	1856
Isopropylbenzene	<0.36	ug/L	0.36	1.1	SW 8260B	12/01/2001	aba	1856
p-Isopropyltoluene	<0.35	ug/L	0.35	1.1	SW 8260B	12/01/2001	aba	1856
Methylene Chloride	L 1.9	ug/L	0.87	3.1	SW 8260B	12/01/2001	aba	1856
Methyl-t-butyl ether	<0.14	ug/L	0.14	0.45	SW 8260B	12/01/2001	aba	1856
Naphthalene	<0.35	ug/L	0.35	1.1	SW 8260B	12/01/2001	aba	1856
n-Propylbenzene	<0.46	ug/L	0.46	1.5	SW 8260B	12/01/2001	aba	1856
Styrene	<0.16	ug/L	0.16	0.51	SW 8260B	12/01/2001	aba	1856
1,1,1,2-Tetrachloroethane	<0.11	ug/L	0.11	0.34	SW 8260B	12/01/2001	aba	185
1,1,2,2-Tetrachloroethane	<0.39	ug/L	0.39	1.3	SW 8260B	12/01/2001	aba	1856
Tetrachloroethene	<0.63	ug/L	0.63	2.0	SW 8260B	12/01/2001	aba	1856
Tetrahydrofuran	<1.9	ug/L	1.9	6.1	SW 8260B	12/01/2001	aba	850
Toluene	<0.39	ug/L	0.39	1.3	SW 8260B	12/01/2001	aba	1856
1,2,3-Trichlorobenzene	<0.32	ug/L	0.32	1.0	SW 8260B	12/01/2001	aba	1856
1,2,4-Trichlorobenzene	<0.18	ug/L	0.18	0.57	SW 8260B	12/01/2001	aba	1856
1,1,1-Trichloroethane	<0.28	ug/L	0.28	0.88	SW 8260B	12/01/2001	aba	1856
1,1,2-Trichloroethane	<0.15	ug/L	0.15	0.46	SW 8260B	12/01/2001	aba	1856
Trichloroethene	<0.49	ug/L	0.49	1.6	SW 8260B	12/01/2001	aba	1856
Trichlorofluoromethane	<0.58	ug/L	0.58	1.8	SW 8260B	12/01/2001	aba	1856
1,2,3-Trichloropropane	<0.28	ug/L	0.28	0.90	SW 8260B	12/01/2001	aba	1856
1,2,4-Trimethylbenzene	<0.32	ug/L	0.32	1.0	SW 8260B	12/01/2001	aba	1856
1,3,5-Trimethylbenzene	<0.33	ug/L	0.33	1.0	SW 8260B	12/01/2001	aba	1856
Vinyl Chloride	<0.46	ug/L	0.46	1.5	SW 8260B	12/01/2001	aba	1856
Xylenes, Total	<1.1	ug/L	1.1	3.6	SW 8260B	12/01/2001	aba	1856
Surr: Dibromofluoromethane	103.4	‡		87-121	SW 8260B	12/01/2001	aba	1856
Surr: Toluene-d8	100.8	‡		92-107	SW 8260B	12/01/2001	aba	1856
Surr: Bromofluorobenzene	99.2	‡		89-109	SW 8260B	12/01/2001	aba	1856

## ANALYTICAL REPORT

Mr. Steven Smith  
 BT2, INC.  
 2830 Dairy Drive  
 Madison, WI 53704-6751

12/07/2001  
 Job No: 01.09469  
 Sample No: 460543  
 Account No: 10100  
 Page 34 of 46

JOB DESCRIPTION: 1764 Stoughton City Landfill  
 PROJECT DESCRIPTION: Groundwater Analysis  
 SAMPLE DESCRIPTION: 00133847 MW7S 1764 Stoughton  
 Rec'd on ice

Date/Time Taken: 11/20/2001 16:00

Date Received: 11/21/2001

Parameter	Results	Units	MDL	LOQ	Method	Date		Prep/Run	
						Analyzed	Analyst	Batch	
VOC - AQUEOUS - EPA 8260B									
Misc VOC Compounds									
Dichlorodifluoromethane	<0.49	ug/L	0.49	1.6	SW 8260B	12/01/2001	aba		1856
Tetrahydrofuran	<1.9	ug/L	1.9	6.1	SW 8260B	12/01/2001	aba		850
Surr: Dibromofluoromethane	100.0	%		87-121	SW 8260B	12/01/2001	aba		1856
Surr: Toluene-d8	100.8	%		92-107	SW 8260B	12/01/2001	aba		1856
Surr: Bromofluorobenzene	99.6	%		89-109	SW 8260B	12/01/2001	aba		1856

## ANALYTICAL REPORT

Mr. Steven Smith  
 BT2, INC.  
 2830 Dairy Drive  
 Madison, WI 53704-6751

12/07/2001  
 Job No: 01.09469  
 Sample No: 460544  
 Account No: 10100  
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JOB DESCRIPTION: 1764 Stoughton City Landfill  
 PROJECT DESCRIPTION: Groundwater Analysis  
 SAMPLE DESCRIPTION: 00133848 MW7I 1764 Stoughton  
 Rec'd on ice

Date/Time Taken: 11/20/2001 16:15

Date Received: 11/21/2001

Parameter	Results	Units	MDL	LOQ	Method	Date		Prep/Run	
						Analyzed	Analyst	Batch	
VOC - AQUEOUS - EPA 8260B									
Misc VOC Compounds									
Dichlorodifluoromethane	<0.49	ug/L	0.49	1.6	SW 8260B	12/01/2001	aba		1856
Tetrahydrofuran	<1.9	ug/L	1.9	6.1	SW 8260B	12/01/2001	aba		850
Surr: Dibromofluoromethane	101.4	%		87-121	SW 8260B	12/01/2001	aba		1856
Surr: Toluene-d8	99.6	%		92-107	SW 8260B	12/01/2001	aba		1856
Surr: Bromofluorobenzene	99.2	%		89-109	SW 8260B	12/01/2001	aba		1856

## ANALYTICAL REPORT

Mr. Steven Smith  
 BT2, INC.  
 2830 Dairy Drive  
 Madison, WI 53704-6751

12/07/2001  
 Job No: 01.09469  
 Sample No: 460545  
 Account No: 10100  
 Page 36 of 46

JOB DESCRIPTION: 1764 Stoughton City Landfill  
 PROJECT DESCRIPTION: Groundwater Analysis  
 SAMPLE DESCRIPTION: 00133849 MW7B 1764 Stoughton  
 Rec'd on ice

Date/Time Taken: 11/20/2001 16:20

Date Received: 11/21/2001

Parameter	Results	Units	MDL	LOQ	Method	Date		Prep/Run
						Analyzed	Analyst	
VOC - AQUEOUS - EPA 8260B								
Misc VOC Compounds								
Benzene	<0.31	ug/L	0.31	0.98	SW 8260B	12/01/2001	aba	1856
Bromobenzene	<0.20	ug/L	0.20	0.64	SW 8260B	12/01/2001	aba	1856
Bromochloromethane	<0.32	ug/L	0.32	1.0	SW 8260B	12/01/2001	aba	1856
Bromodichloromethane	<0.20	ug/L	0.20	0.63	SW 8260B	12/01/2001	aba	1856
Bromoform	<0.14	ug/L	0.14	0.45	SW 8260B	12/01/2001	aba	1856
Bromomethane	<0.46	ug/L	0.46	1.5	SW 8260B	12/01/2001	aba	1856
n-Butylbenzene	<0.44	ug/L	0.44	1.4	SW 8260B	12/01/2001	aba	1856
sec-Butylbenzene	<0.45	ug/L	0.45	1.4	SW 8260B	12/01/2001	aba	1856
tert-Butylbenzene	<0.38	ug/L	0.38	1.2	SW 8260B	12/01/2001	aba	1856
Carbon Tetrachloride	<0.40	ug/L	0.40	1.3	SW 8260B	12/01/2001	aba	1856
Chlorobenzene	<0.22	ug/L	0.22	0.69	SW 8260B	12/01/2001	aba	1856
Chlorodibromomethane	<0.10	ug/L	0.10	0.33	SW 8260B	12/01/2001	aba	1856
Chloroethane	<1.2	ug/L	1.2	3.9	SW 8260B	12/01/2001	aba	1856
Chloroform	<0.18	ug/L	0.18	0.58	SW 8260B	12/01/2001	aba	1856
Chloromethane	<0.38	ug/L	0.38	1.2	SW 8260B	12/01/2001	aba	1856
2-Chlorotoluene	<0.28	ug/L	0.28	0.90	SW 8260B	12/01/2001	aba	1856
4-Chlorotoluene	<0.47	ug/L	0.47	1.5	SW 8260B	12/01/2001	aba	1856
1,2-Dibromo-3-Chloropropane	<1.4	ug/L	1.4	4.5	SW 8260B	12/01/2001	aba	1856
1,2-Dibromoethane (EDB)	<0.16	ug/L	0.16	0.51	SW 8260B	12/01/2001	aba	1856
Dibromomethane	<0.11	ug/L	0.11	0.36	SW 8260B	12/01/2001	aba	1856
1,2-Dichlorobenzene	<0.20	ug/L	0.20	0.64	SW 8260B	12/01/2001	aba	1856
1,3-Dichlorobenzene	<0.22	ug/L	0.22	0.71	SW 8260B	12/01/2001	aba	1856
1,4-Dichlorobenzene	<0.35	ug/L	0.35	1.1	SW 8260B	12/01/2001	aba	1856
Dichlorodifluoromethane	<0.49	ug/L	0.49	1.6	SW 8260B	12/01/2001	aba	1856
1,1-Dichloroethane	<0.25	ug/L	0.25	0.79	SW 8260B	12/01/2001	aba	1856
1,2-Dichloroethane	<0.20	ug/L	0.20	0.63	SW 8260B	12/01/2001	aba	1856
1,1-Dichloroethene	<0.73	ug/L	0.73	2.3	SW 8260B	12/01/2001	aba	1856
cis-1,2-Dichloroethene	<0.23	ug/L	0.23	0.74	SW 8260B	12/01/2001	aba	1856
trans-1,2-Dichloroethene	<0.39	ug/L	0.39	1.2	SW 8260B	12/01/2001	aba	1856
1,2-Dichloropropane	<0.29	ug/L	0.29	0.93	SW 8260B	12/01/2001	aba	1856
1,3-Dichloropropane	<0.15	ug/L	0.15	0.46	SW 8260B	12/01/2001	aba	1856
2,2-Dichloropropane	<0.37	ug/L	0.37	1.2	SW 8260B	12/01/2001	aba	1856
1,1-Dichloropropene	<0.63	ug/L	0.63	2.0	SW 8260B	12/01/2001	aba	1856
cis-1,3-Dichloropropene	<0.17	ug/L	0.17	0.56	SW 8260B	12/01/2001	aba	1856
trans-1,3-Dichloropropene	<0.13	ug/L	0.13	0.42	SW 8260B	12/01/2001	aba	1856
Di-isopropyl ether	<0.13	ug/L	0.13	0.41	SW 8260B	12/01/2001	aba	1856
Ethylbenzene	<0.38	ug/L	0.38	1.2	SW 8260B	12/01/2001	aba	1856

## ANALYTICAL REPORT

Mr. Steven Smith  
 BT2, INC.  
 2830 Dairy Drive  
 Madison, WI 53704-6751

12/07/2001  
 Job No: 01.09469  
 Sample No: 460545  
 Account No: 10100  
 Page 37 of 46

JOB DESCRIPTION: 1764 Stoughton City Landfill  
 PROJECT DESCRIPTION: Groundwater Analysis  
 SAMPLE DESCRIPTION: 00133849 MW7B 1764 Stoughton  
 Rec'd on ice

Date/Time Taken: 11/20/2001 16:20

Date Received: 11/21/2001

Parameter	Results	Units	MDL	LOQ	Method	Date		Prep/Run
						Analyzed	Analyst	Batch
Hexachlorobutadiene	<0.37	ug/L	0.37	1.2	SW 8260B	12/01/2001	aba	1856
Isopropylbenzene	<0.36	ug/L	0.36	1.1	SW 8260B	12/01/2001	aba	1856
p-Isopropyltoluene	<0.35	ug/L	0.35	1.1	SW 8260B	12/01/2001	aba	1856
Methylene Chloride	L 2.2	ug/L	0.87	3.1	SW 8260B	12/01/2001	aba	1856
Methyl-t-butyl ether	<0.14	ug/L	0.14	0.45	SW 8260B	12/01/2001	aba	1856
Naphthalene	<0.35	ug/L	0.35	1.1	SW 8260B	12/01/2001	aba	1856
n-Propylbenzene	<0.46	ug/L	0.46	1.5	SW 8260B	12/01/2001	aba	1856
Styrene	<0.16	ug/L	0.16	0.51	SW 8260B	12/01/2001	aba	1856
1,1,1,2-Tetrachloroethane	<0.11	ug/L	0.11	0.34	SW 8260B	12/01/2001	aba	185
1,1,2,2-Tetrachloroethane	<0.39	ug/L	0.39	1.3	SW 8260B	12/01/2001	aba	1856
Tetrachloroethene	<0.63	ug/L	0.63	2.0	SW 8260B	12/01/2001	aba	1856
Tetrahydrofuran	<1.9	ug/L	1.9	6.1	SW 8260B	12/01/2001	aba	850
Toluene	<0.39	ug/L	0.39	1.3	SW 8260B	12/01/2001	aba	1856
1,2,3-Trichlorobenzene	<0.32	ug/L	0.32	1.0	SW 8260B	12/01/2001	aba	1856
1,2,4-Trichlorobenzene	<0.18	ug/L	0.18	0.57	SW 8260B	12/01/2001	aba	1856
1,1,1-Trichloroethane	<0.28	ug/L	0.28	0.88	SW 8260B	12/01/2001	aba	1856
1,1,2-Trichloroethane	<0.15	ug/L	0.15	0.46	SW 8260B	12/01/2001	aba	1856
Trichloroethene	<0.49	ug/L	0.49	1.6	SW 8260B	12/01/2001	aba	1856
Trichlorofluoromethane	<0.58	ug/L	0.58	1.8	SW 8260B	12/01/2001	aba	1856
1,2,3-Trichloropropane	<0.28	ug/L	0.28	0.90	SW 8260B	12/01/2001	aba	1856
1,2,4-Trimethylbenzene	<0.32	ug/L	0.32	1.0	SW 8260B	12/01/2001	aba	1856
1,3,5-Trimethylbenzene	<0.33	ug/L	0.33	1.0	SW 8260B	12/01/2001	aba	1856
Vinyl Chloride	<0.46	ug/L	0.46	1.5	SW 8260B	12/01/2001	aba	1856
Xylenes, Total	<1.1	ug/L	1.1	3.6	SW 8260B	12/01/2001	aba	1856
Surr: Dibromofluoromethane	102.6	%		87-121	SW 8260B	12/01/2001	aba	1856
Surr: Toluene-d8	100.4	%		92-107	SW 8260B	12/01/2001	aba	1856
Surr: Bromofluorobenzene	98.8	%		89-109	SW 8260B	12/01/2001	aba	1856

## QUALITY CONTROL REPORT

### BLANKS

12/07/2001

Mr. Steven Smith  
 BT2, INC.  
 2830 Dairy Drive  
 Madison, WI 53704-6751

Job No: 01.09469  
 Account No: 10100

Page 38 of 46

Job Description: 1764 Stoughton City Landfill

Parameter	Prep Batch	Run Batch	Blank Result	MDL	LOQ	Units
VOC - AQUEOUS - EPA 8260B						
Benzene		1856	<0.31	0.31	0.98	ug/L
Bromobenzene		1856	<0.20	0.20	0.64	ug/L
Bromochloromethane		1856	<0.32	0.32	1.0	ug/L
Bromodichloromethane		1856	<0.20	0.20	0.63	ug/L
Bromoform		1856	<0.14	0.14	0.45	ug/L
Bromomethane		1856	<0.46	0.46	1.5	ug/L
n-Butylbenzene		1856	<0.44	0.44	1.4	ug/L
sec-Butylbenzene		1856	<0.45	0.45	1.4	ug/L
tert-Butylbenzene		1856	<0.38	0.38	1.2	ug/L
Carbon Tetrachloride		1856	<0.40	0.40	1.3	ug/L
Chlorobenzene		1856	<0.22	0.22	0.69	ug/L
Chlorodibromomethane		1856	<0.10	0.10	0.33	ug/L
Chloroethane		1856	<1.2	1.2	3.9	ug/L
Chloroform		1856	<0.18	0.18	0.58	ug/L
Chloromethane		1856	<0.38	0.38	1.2	ug/L
2-Chlorotoluene		1856	<0.28	0.28	0.90	ug/L
4-Chlorotoluene		1856	<0.47	0.47	1.5	ug/L
1,2-Dibromo-3-Chloropropane		1856	<1.4	1.4	4.5	ug/L
1,2-Dibromoethane (EDB)		1856	<0.16	0.16	0.51	ug/L
Dibromomethane		1856	<0.11	0.11	0.36	ug/L
1,2-Dichlorobenzene		1856	<0.20	0.20	0.64	ug/L
1,3-Dichlorobenzene		1856	<0.22	0.22	0.71	ug/L
1,4-Dichlorobenzene		1856	<0.35	0.35	1.1	ug/L
Dichlorodifluoromethane		1856	<0.49	0.49	1.6	ug/L
1,1-Dichloroethane		1856	<0.25	0.25	0.79	ug/L
1,2-Dichloroethane		1856	<0.20	0.20	0.63	ug/L
1,1-Dichloroethene		1856	<0.73	0.73	2.3	ug/L
cis-1,2-Dichloroethene		1856	<0.23	0.23	0.74	ug/L
trans-1,2-Dichloroethene		1856	<0.39	0.39	1.2	ug/L
1,2-Dichloropropane		1856	<0.29	0.29	0.93	ug/L
1,3-Dichloropropane		1856	<0.15	0.15	0.46	ug/L
2,2-Dichloropropane		1856	<0.37	0.37	1.2	ug/L
1,1-Dichloropropene		1856	<0.63	0.63	2.0	ug/L
cis-1,3-Dichloropropene		1856	<0.17	0.17	0.56	ug/L
trans-1,3-Dichloropropene		1856	<0.13	0.13	0.42	ug/L
Di-isopropyl ether		1856	<0.13	0.13	0.41	ug/L

Method blank results exceed control limits when results are higher than the highest of any of the following: 1 - The limit of detection; 2 - Five percent of the regulatory limit for that analyte; 3 - Five percent of the measured concentration in the sample. NR149.14 (3)d

## QUALITY CONTROL REPORT

### BLANKS

12/07/2001

Mr. Steven Smith  
BT2, INC.  
2830 Dairy Drive  
Madison, WI 53704-6751

Job No: 01.09469  
Account No: 10100

Page 39 of 46

Job Description: 1764 Stoughton City Landfill

Parameter	Prep Batch	Run Batch	Blank Result	MDL	LOQ	Units
Ethylbenzene		1856	<0.38	0.38	1.2	ug/L
Hexachlorobutadiene		1856	<0.37	0.37	1.2	ug/L
Isopropylbenzene		1856	<0.36	0.36	1.1	ug/L
p-Isopropyltoluene		1856	<0.35	0.35	1.1	ug/L
Methylene Chloride		1856	<0.87	0.87	3.1	ug/L
Methyl-t-butyl ether		1856	<0.14	0.14	0.45	ug/L
Naphthalene		1856	<0.35	0.35	1.1	ug/L
n-Propylbenzene		1856	<0.46	0.46	1.5	ug/L
Styrene		1856	<0.16	0.16	0.51	ug/L
1,1,1,2-Tetrachloroethane		1856	<0.11	0.11	0.34	ug/L
1,1,2,2-Tetrachloroethane		1856	<0.39	0.39	1.3	ug/L
Tetrachloroethene		1856	<0.63	0.63	2.0	ug/L
Toluene		1856	<0.39	0.39	1.3	ug/L
1,2,3-Trichlorobenzene		1856	<0.32	0.32	1.0	ug/L
1,2,4-Trichlorobenzene		1856	<0.18	0.18	0.57	ug/L
1,1,1-Trichloroethane		1856	<0.28	0.28	0.88	ug/L
1,1,2-Trichloroethane		1856	<0.15	0.15	0.46	ug/L
Trichloroethene		1856	<0.49	0.49	1.6	ug/L
Trichlorofluoromethane		1856	<0.58	0.58	1.8	ug/L
1,2,3-Trichloropropane		1856	<0.28	0.28	0.90	ug/L
1,2,4-Trimethylbenzene		1856	<0.32	0.32	1.0	ug/L
1,3,5-Trimethylbenzene		1856	<0.33	0.33	1.0	ug/L
Vinyl Chloride		1856	<0.46	0.46	1.5	ug/L
Xylenes, Total		1856	<1.1	1.1	3.6	ug/L
Surr: Dibromofluoromethane		1856	101.6		87-121	%
Surr: Toluene-d8		1856	101.0		92-107	%
Surr: Bromofluorobenzene		1856	97.0		89-109	%
VOC - AQUEOUS - EPA 8260B						
Benzene		1863	<0.31	0.31	0.98	ug/L
Bromobenzene		1863	<0.20	0.20	0.64	ug/L
Bromochloromethane		1863	<0.32	0.32	1.0	ug/L
Bromodichloromethane		1863	<0.20	0.20	0.63	ug/L
Bromoform		1863	<0.14	0.14	0.45	ug/L
Bromomethane		1863	<0.46	0.46	1.5	ug/L
n-Butylbenzene		1863	<0.44	0.44	1.4	ug/L
sec-Butylbenzene		1863	<0.45	0.45	1.4	ug/L
tert-Butylbenzene		1863	<0.38	0.38	1.2	ug/L

Method blank results exceed control limits when results are higher than the highest of any of the following: 1 - The limit of detection; 2 - Five percent of the regulatory limit for that analyte; 3 - Five percent of the measured concentration in the sample. NR149.14 (3)d

## QUALITY CONTROL REPORT

### BLANKS

12/07/2001

Mr. Steven Smith  
 BT2, INC.  
 2830 Dairy Drive  
 Madison, WI 53704-6751

Job No: 01.09469  
 Account No: 10100

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Job Description: 1764 Stoughton City Landfill

Parameter	Prep Batch	Run Batch	Blank Result	MDL	LOQ	Units
Carbon Tetrachloride		1863	<0.40	0.40	1.3	ug/L
Chlorobenzene		1863	<0.22	0.22	0.69	ug/L
Chlorodibromomethane		1863	<0.10	0.10	0.33	ug/L
Chloroethane		1863	<1.2	1.2	3.9	ug/L
Chloroform		1863	<0.18	0.18	0.58	ug/L
Chloromethane		1863	<0.38	0.38	1.2	ug/L
2-Chlorotoluene		1863	<0.28	0.28	0.90	ug/L
4-Chlorotoluene		1863	<0.47	0.47	1.5	ug/L
1,2-Dibromo-3-Chloropropane		1863	<1.4	1.4	4.5	ug/L
1,2-Dibromoethane (EDB)		1863	<0.16	0.16	0.51	ug/L
Dibromomethane		1863	<0.11	0.11	0.36	ug/L
1,2-Dichlorobenzene		1863	<0.20	0.20	0.64	ug/L
1,3-Dichlorobenzene		1863	<0.22	0.22	0.71	ug/L
1,4-Dichlorobenzene		1863	<0.35	0.35	1.1	ug/L
Dichlorodifluoromethane		1863	<0.49	0.49	1.6	ug/L
1,1-Dichloroethane		1863	<0.25	0.25	0.79	ug/L
1,2-Dichloroethane		1863	<0.20	0.20	0.63	ug/L
1,1-Dichloroethene		1863	<0.73	0.73	2.3	ug/L
cis-1,2-Dichloroethene		1863	<0.23	0.23	0.74	ug/L
trans-1,2-Dichloroethene		1863	<0.39	0.39	1.2	ug/L
1,2-Dichloropropane		1863	<0.29	0.29	0.93	ug/L
1,3-Dichloropropane		1863	<0.15	0.15	0.46	ug/L
2,2-Dichloropropane		1863	<0.37	0.37	1.2	ug/L
1,1-Dichloropropene		1863	<0.63	0.63	2.0	ug/L
cis-1,3-Dichloropropene		1863	<0.17	0.17	0.56	ug/L
trans-1,3-Dichloropropene		1863	<0.13	0.13	0.42	ug/L
Di-isopropyl ether		1863	<0.13	0.13	0.41	ug/L
Ethylbenzene		1863	<0.38	0.38	1.2	ug/L
Hexachlorobutadiene		1863	<0.37	0.37	1.2	ug/L
Isopropylbenzene		1863	<0.36	0.36	1.1	ug/L
p-Isopropyltoluene		1863	<0.35	0.35	1.1	ug/L
Methylene Chloride		1863	1.03	0.87	3.1	ug/L
Methyl-t-butyl ether		1863	<0.14	0.14	0.45	ug/L
Naphthalene		1863	<0.35	0.35	1.1	ug/L
n-Propylbenzene		1863	<0.46	0.46	1.5	ug/L
Styrene		1863	<0.16	0.16	0.51	ug/L
1,1,1,2-Tetrachloroethane		1863	<0.11	0.11	0.34	ug/L

Method blank results exceed control limits when results are higher than the highest of any of the following: 1 - The limit of detection; 2 - Five percent of the regulatory limit for that analyte; 3 - Five percent of the measured concentration in the sample. NR149.14 (3)d



## QUALITY CONTROL REPORT BLANKS

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Mr. Steven Smith  
BT2, INC.  
2830 Dairy Drive  
Madison, WI 53704-6751

Job No: 01.09469  
Account No: 10100

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Job Description: 1764 Stoughton City Landfill

Parameter	Prep Batch	Run Batch	Blank Result	MDL	LOQ	Units
1,1,2,2-Tetrachloroethane		1863	<0.39	0.39	1.3	ug/L
Tetrachloroethene		1863	<0.63	0.63	2.0	ug/L
Toluene		1863	<0.39	0.39	1.3	ug/L
1,2,3-Trichlorobenzene		1863	<0.32	0.32	1.0	ug/L
1,2,4-Trichlorobenzene		1863	<0.18	0.18	0.57	ug/L
1,1,1-Trichloroethane		1863	<0.28	0.28	0.88	ug/L
1,1,2-Trichloroethane		1863	<0.15	0.15	0.46	ug/L
Trichloroethene		1863	<0.49	0.49	1.6	ug/L
Trichlorofluoromethane		1863	<0.58	0.58	1.8	ug/L
1,2,3-Trichloropropane		1863	<0.28	0.28	0.90	ug/L
1,2,4-Trimethylbenzene		1863	<0.32	0.32	1.0	ug/L
1,3,5-Trimethylbenzene		1863	<0.33	0.33	1.0	ug/L
Vinyl Chloride		1863	<0.46	0.46	1.5	ug/L
Xylenes, Total		1863	<1.1	1.1	3.6	ug/L
Surr: Dibromofluoromethane		1863	100.2		87-121	%
Surr: Toluene-d8		1863	102.2		92-107	%
Surr: Bromofluorobenzene		1863	97.0		89-109	%
Misc VOC Compounds						
Tetrahydrofuran		850	<1.9	1.9	6.1	ug/L
Misc VOC Compounds						
Tetrahydrofuran		852	<1.9	1.9	6.1	ug/L
VOC - AQUEOUS - EPA 8260B						
Benzene		3204	<0.10	0.10	0.33	ug/L
Bromobenzene		3204	<0.25	0.25	0.83	ug/L
Bromochloromethane		3204	<0.25	0.25	0.83	ug/L
Bromodichloromethane		3204	<0.25	0.25	0.83	ug/L
Bromoform		3204	<0.25	0.25	0.83	ug/L
Bromomethane		3204	<0.25	0.25	0.83	ug/L
n-Butylbenzene		3204	<0.25	0.25	0.83	ug/L
sec-Butylbenzene		3204	<0.25	0.25	0.83	ug/L
tert-Butylbenzene		3204	<0.25	0.25	0.83	ug/L
Carbon Tetrachloride		3204	<0.25	0.25	0.83	ug/L
Chlorobenzene		3204	<0.25	0.25	0.83	ug/L
Chlorodibromomethane		3204	<0.25	0.25	0.83	ug/L
Chloroethane		3204	<0.25	0.25	0.83	ug/L
Chloroform		3204	<0.25	0.25	0.83	ug/L
Chloromethane		3204	<0.25	0.25	0.83	ug/L

Method blank results exceed control limits when results are higher than the highest of any of the following: 1 - The limit of detection; 2 - Five percent of the regulatory limit for that analyte; 3 - Five percent of the measured concentration in the sample. NR149.14 (3)d

## QUALITY CONTROL REPORT

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12/07/2001

Mr. Steven Smith  
 BT2, INC.  
 2830 Dairy Drive  
 Madison, WI 53704-6751

Job No: 01.09469  
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Job Description: 1764 Stoughton City Landfill

Parameter	Prep Batch	Run Batch	Blank Result	MDL	LOQ	Units
2-Chlorotoluene		3204	<0.10	0.10	0.33	ug/L
4-Chlorotoluene		3204	<0.25	0.25	0.83	ug/L
1,2-Dibromo-3-Chloropropane		3204	<0.25	0.25	0.83	ug/L
1,2-Dibromoethane (EDB)		3204	<0.25	0.25	0.83	ug/L
Dibromomethane		3204	<0.25	0.25	0.83	ug/L
1,2-Dichlorobenzene		3204	<0.25	0.25	0.83	ug/L
1,3-Dichlorobenzene		3204	<0.25	0.25	0.83	ug/L
1,4-Dichlorobenzene		3204	<0.25	0.25	0.83	ug/L
Dichlorodifluoromethane		3204	<0.25	0.25	0.83	ug/L
1,1-Dichloroethane		3204	<0.25	0.25	0.83	ug/L
1,2-Dichloroethane		3204	<0.25	0.25	0.83	ug/L
1,1-Dichloroethene		3204	<0.25	0.25	0.83	ug/L
cis-1,2-Dichloroethene		3204	<0.25	0.25	0.83	ug/L
trans-1,2-Dichloroethene		3204	<0.25	0.25	0.83	ug/L
1,2-Dichloropropane		3204	<0.25	0.25	0.83	ug/L
1,3-Dichloropropane		3204	<0.25	0.25	0.83	ug/L
2,2-Dichloropropane		3204	<0.25	0.25	0.83	ug/L
1,1-Dichloropropene		3204	<0.25	0.25	0.83	ug/L
cis-1,3-Dichloropropene		3204	<0.25	0.25	0.83	ug/L
trans-1,3-Dichloropropene		3204	<0.25	0.25	0.83	ug/L
Di-isopropyl ether		3204	<0.25	0.25	0.83	ug/L
Ethylbenzene		3204	<0.25	0.25	0.83	ug/L
Hexachlorobutadiene		3204	<0.25	0.25	0.83	ug/L
Isopropylbenzene		3204	<0.25	0.25	0.83	ug/L
p-Isopropyltoluene		3204	<0.25	0.25	0.83	ug/L
Methylene Chloride		3204	0.93	0.25	0.83	ug/L
Methyl-t-butyl ether		3204	<0.25	0.25	0.83	ug/L
Naphthalene		3204	<0.25	0.25	0.83	ug/L
n-Propylbenzene		3204	<0.25	0.25	0.83	ug/L
Styrene		3204	<0.25	0.25	0.83	ug/L
1,1,1,2-Tetrachloroethane		3204	<0.25	0.25	0.83	ug/L
1,1,2,2-Tetrachloroethane		3204	<0.25	0.25	0.83	ug/L
Tetrachloroethene		3204	<0.25	0.25	0.83	ug/L
Toluene		3204	<0.10	0.10	0.33	ug/L
1,2,3-Trichlorobenzene		3204	<0.25	0.25	0.83	ug/L
1,2,4-Trichlorobenzene		3204	<0.25	0.25	0.83	ug/L
1,1,1-Trichloroethane		3204	<0.25	0.25	0.83	ug/L

Method blank results exceed control limits when results are higher than the highest of any of the following: 1 - The limit of detection; 2 - Five percent of the regulatory limit for that analyte; 3 - Five percent of the measured concentration in the sample. NR149.14 (3)d

## QUALITY CONTROL REPORT

### BLANKS

12/07/2001

Mr. Steven Smith  
 BT2, INC.  
 2830 Dairy Drive  
 Madison, WI 53704-6751

Job No: 01.09469  
 Account No: 10100

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Job Description: 1764 Stoughton City Landfill

Parameter	Prep Batch	Run Batch	Blank Result	MDL	LOQ	Units
1,1,2-Trichloroethane		3204	<0.25	0.25	0.83	ug/L
Trichloroethene		3204	<0.25	0.25	0.83	ug/L
Trichlorofluoromethane		3204	<0.25	0.25	0.83	ug/L
1,2,3-Trimethylpropane		3204	<0.25	0.25	0.83	ug/L
1,2,4-Trimethylbenzene		3204	<0.10	0.10	0.33	ug/L
1,3,5-Trimethylbenzene		3204	<0.10	0.10	0.33	ug/L
Vinyl Chloride		3204	<0.25	0.25	0.83	ug/L
Xylenes, Total		3204	<0.25	0.25	0.83	ug/L
Surr: Dibromofluoromethane		3204	99.4		86-119	%
Surr: Toluene-d8		3204	96.6		88-110	%
Surr: Bromofluorobenzene		3204	95.8		91-110	%
VOC - AQUEOUS - EPA 8260B						
Benzene		3205	<0.10	0.10	0.33	ug/L
Bromobenzene		3205	<0.25	0.25	0.83	ug/L
Bromochloromethane		3205	<0.25	0.25	0.83	ug/L
Bromodichloromethane		3205	<0.25	0.25	0.83	ug/L
Bromoform		3205	<0.25	0.25	0.83	ug/L
Bromomethane		3205	<0.25	0.25	0.83	ug/L
n-Butylbenzene		3205	<0.25	0.25	0.83	ug/L
sec-Butylbenzene		3205	<0.25	0.25	0.83	ug/L
tert-Butylbenzene		3205	<0.25	0.25	0.83	ug/L
Carbon Tetrachloride		3205	<0.25	0.25	0.83	ug/L
Chlorobenzene		3205	<0.25	0.25	0.83	ug/L
Chlorodibromomethane		3205	<0.25	0.25	0.83	ug/L
Chloroethane		3205	<0.25	0.25	0.83	ug/L
Chloroform		3205	<0.25	0.25	0.83	ug/L
Chloromethane		3205	<0.25	0.25	0.83	ug/L
2-Chlorotoluene		3205	<0.10	0.10	0.33	ug/L
4-Chlorotoluene		3205	<0.25	0.25	0.83	ug/L
1,2-Dibromo-3-Chloropropane		3205	<0.25	0.25	0.83	ug/L
1,2-Dibromoethane (EDB)		3205	<0.25	0.25	0.83	ug/L
Dibromomethane		3205	<0.25	0.25	0.83	ug/L
1,2-Dichlorobenzene		3205	<0.25	0.25	0.83	ug/L
1,3-Dichlorobenzene		3205	<0.25	0.25	0.83	ug/L
1,4-Dichlorobenzene		3205	<0.25	0.25	0.83	ug/L
Dichlorodifluoromethane		3205	<0.25	0.25	0.83	ug/L
1,1-Dichloroethane		3205	<0.25	0.25	0.83	ug/L

Method blank results exceed control limits when results are higher than the highest of any of the following: 1 - The limit of detection; 2 - Five percent of the regulatory limit for that analyte; 3 - Five percent of the measured concentration in the sample. NR149.14 (3) d

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 2830 Dairy Drive  
 Madison, WI 53704-6751

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 Account No: 10100

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Job Description: 1764 Stoughton City Landfill

Parameter	Prep Batch	Run Batch	Blank Result	MDL	LOQ	Units
1,2-Dichloroethane		3205	<0.25	0.25	0.83	ug/L
1,1-Dichloroethene		3205	<0.25	0.25	0.83	ug/L
cis-1,2-Dichloroethene		3205	<0.25	0.25	0.83	ug/L
trans-1,2-Dichloroethene		3205	<0.25	0.25	0.83	ug/L
1,2-Dichloropropane		3205	<0.25	0.25	0.83	ug/L
1,3-Dichloropropane		3205	<0.25	0.25	0.83	ug/L
2,2-Dichloropropane		3205	<0.25	0.25	0.83	ug/L
1,1-Dichloropropene		3205	<0.25	0.25	0.83	ug/L
cis-1,3-Dichloropropene		3205	<0.25	0.25	0.83	ug/L
trans-1,3-Dichloropropene		3205	<0.25	0.25	0.83	ug/L
Di-isopropyl ether		3205	<0.25	0.25	0.83	ug/L
Ethylbenzene		3205	<0.25	0.25	0.83	ug/L
Hexachlorobutadiene		3205	<0.25	0.25	0.83	ug/L
Isopropylbenzene		3205	<0.25	0.25	0.83	ug/L
p-Isopropyltoluene		3205	<0.25	0.25	0.83	ug/L
Methylene Chloride		3205	0.74	0.25	0.83	ug/L
Methyl-t-butyl ether		3205	<0.25	0.25	0.83	ug/L
Naphthalene		3205	<0.25	0.25	0.83	ug/L
n-Propylbenzene		3205	<0.25	0.25	0.83	ug/L
Styrene		3205	<0.25	0.25	0.83	ug/L
1,1,1,2-Tetrachloroethane		3205	<0.25	0.25	0.83	ug/L
1,1,2,2-Tetrachloroethane		3205	<0.25	0.25	0.83	ug/L
Tetrachloroethene		3205	<0.25	0.25	0.83	ug/L
Toluene		3205	<0.10	0.10	0.33	ug/L
1,2,3-Trichlorobenzene		3205	<0.25	0.25	0.83	ug/L
1,2,4-Trichlorobenzene		3205	<0.25	0.25	0.83	ug/L
1,1,1-Trichloroethane		3205	<0.25	0.25	0.83	ug/L
1,1,2-Trichloroethane		3205	<0.25	0.25	0.83	ug/L
Trichloroethene		3205	<0.25	0.25	0.83	ug/L
Trichlorofluoromethane		3205	<0.25	0.25	0.83	ug/L
1,2,3-Trichloropropane		3205	<0.25	0.25	0.83	ug/L
1,2,4-Trimethylbenzene		3205	<0.10	0.10	0.33	ug/L
1,3,5-Trimethylbenzene		3205	<0.10	0.10	0.33	ug/L
Vinyl Chloride		3205	<0.25	0.25	0.83	ug/L
Xylenes, Total		3205	<0.25	0.25	0.83	ug/L
Surr: Dibromofluoromethane		3205	106.6		86-119	%
Surr: Toluene-d8		3205	98.2		88-110	%

Method blank results exceed control limits when results are higher than the highest of any of the following: 1 - The limit of detection; 2 - Five percent of the regulatory limit for that analyte; 3 - Five percent of the measured concentration in the sample. NR149.14 (3)d

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12/07/2001

Mr. Steven Smith  
 BT2, INC.  
 2830 Dairy Drive  
 Madison, WI 53704-6751

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Job Description: 1764 Stoughton City Landfill

Parameter	Prep Batch	Run Batch	Blank Result	MDL	LOQ	Units
Surr: Bromofluorobenzene		3205	97.6		91-110	%
VOC - AQUEOUS - EPA 8260B						
Dichlorodifluoromethane		3207	<0.25	0.25	0.83	ug/L
VOC - AQUEOUS - EPA 8260B						
Benzene		3222	<0.10	0.10	0.33	ug/L
Bromobenzene		3222	<0.25	0.25	0.83	ug/L
Bromochloromethane		3222	<0.25	0.25	0.83	ug/L
Bromodichloromethane		3222	<0.25	0.25	0.83	ug/L
Bromoform		3222	<0.25	0.25	0.83	ug/L
Bromomethane		3222	<0.25	0.25	0.83	ug/L
n-Butylbenzene		3222	<0.25	0.25	0.83	ug/L
sec-Butylbenzene		3222	<0.25	0.25	0.83	ug/L
tert-Butylbenzene		3222	<0.25	0.25	0.83	ug/L
Carbon Tetrachloride		3222	<0.25	0.25	0.83	ug/L
Chlorobenzene		3222	<0.25	0.25	0.83	ug/L
Chlorodibromomethane		3222	<0.25	0.25	0.83	ug/L
Chloroethane		3222	<0.25	0.25	0.83	ug/L
Chloroform		3222	<0.25	0.25	0.83	ug/L
Chloromethane		3222	<0.25	0.25	0.83	ug/L
2-Chlorotoluene		3222	<0.10	0.10	0.33	ug/L
4-Chlorotoluene		3222	<0.25	0.25	0.83	ug/L
1,2-Dibromo-3-Chloropropane		3222	<0.25	0.25	0.83	ug/L
1,2-Dibromoethane (EDB)		3222	<0.25	0.25	0.83	ug/L
Dibromomethane		3222	<0.25	0.25	0.83	ug/L
1,2-Dichlorobenzene		3222	<0.25	0.25	0.83	ug/L
1,3-Dichlorobenzene		3222	<0.25	0.25	0.83	ug/L
1,4-Dichlorobenzene		3222	<0.25	0.25	0.83	ug/L
Dichlorodifluoromethane		3222	<0.25	0.25	0.83	ug/L
1,1-Dichloroethane		3222	<0.25	0.25	0.83	ug/L
1,2-Dichloroethane		3222	<0.25	0.25	0.83	ug/L
1,1-Dichloroethene		3222	<0.25	0.25	0.83	ug/L
cis-1,2-Dichloroethene		3222	<0.25	0.25	0.83	ug/L
trans-1,2-Dichloroethene		3222	<0.25	0.25	0.83	ug/L
1,2-Dichloropropane		3222	<0.25	0.25	0.83	ug/L
1,3-Dichloropropane		3222	<0.25	0.25	0.83	ug/L
2,2-Dichloropropane		3222	<0.25	0.25	0.83	ug/L
1,1-Dichloropropene		3222	<0.25	0.25	0.83	ug/L

Method blank results exceed control limits when results are higher than the highest of any of the following: 1 - The limit of detection; 2 - Five percent of the regulatory limit for that analyte; 3 - Five percent of the measured concentration in the sample.. NR149.14 (3)d

## QUALITY CONTROL REPORT

### BLANKS

12/07/2001

Mr. Steven Smith  
 BT2, INC.  
 2830 Dairy Drive  
 Madison, WI 53704-6751

Job No: 01.09469  
 Account No: 10100

Page 46 of 46

Job Description: 1764 Stoughton City Landfill

Parameter	Prep Batch	Run Batch	Blank Result	MDL	LOQ	Units
cis-1,3-Dichloropropene		3222	<0.25	0.25	0.83	ug/L
trans-1,3-Dichloropropene		3222	<0.25	0.25	0.83	ug/L
Di-isopropyl ether		3222	<0.25	0.25	0.83	ug/L
Ethylbenzene		3222	<0.25	0.25	0.83	ug/L
Hexachlorobutadiene		3222	<0.25	0.25	0.83	ug/L
Isopropylbenzene		3222	<0.25	0.25	0.83	ug/L
p-Isopropyltoluene		3222	<0.25	0.25	0.83	ug/L
Methylene Chloride		3222	0.38	0.25	0.83	ug/L
Methyl-t-butyl ether		3222	<0.25	0.25	0.83	ug/L
Naphthalene		3222	<0.25	0.25	0.83	ug/L
n-Propylbenzene		3222	<0.25	0.25	0.83	ug/L
Styrene		3222	<0.25	0.25	0.83	ug/L
1,1,1,2-Tetrachloroethane		3222	<0.25	0.25	0.83	ug/L
1,1,2,2-Tetrachloroethane		3222	<0.25	0.25	0.83	ug/L
Tetrachloroethene		3222	<0.25	0.25	0.83	ug/L
Toluene		3222	<0.10	0.10	0.33	ug/L
1,2,3-Trichlorobenzene		3222	<0.25	0.25	0.83	ug/L
1,2,4-Trichlorobenzene		3222	<0.25	0.25	0.83	ug/L
1,1,1-Trichloroethane		3222	<0.25	0.25	0.83	ug/L
1,1,2-Trichloroethane		3222	<0.25	0.25	0.83	ug/L
Trichloroethene		3222	<0.25	0.25	0.83	ug/L
Trichlorofluoromethane		3222	<0.25	0.25	0.83	ug/L
1,2,3-Trichloropropane		3222	<0.25	0.25	0.83	ug/L
1,2,4-Trimethylbenzene		3222	<0.10	0.10	0.33	ug/L
1,3,5-Trimethylbenzene		3222	<0.10	0.10	0.33	ug/L
Vinyl Chloride		3222	<0.25	0.25	0.83	ug/L
Xylenes, Total		3222	<0.25	0.25	0.83	ug/L
Surr: Dibromofluoromethane		3222	97.8		86-119	%
Surr: Toluene-d8		3222	96.6		88-110	%
Surr: Bromofluorobenzene		3222	99.6		91-110	%
Misc VOC Compounds						
Tetrahydrofuran		1435	<0.25	0.25	0.83	ug/L
Misc VOC Compounds						
Tetrahydrofuran		1436	<0.25	0.25	0.83	ug/L
Misc VOC Compounds						
Tetrahydrofuran		1453	<0.25	0.25	0.83	ug/L

Method blank results exceed control limits when results are higher than the highest of any of the following: 1 - The limit of detection; 2 - Five percent of the regulatory limit for that analyte; 3 - Five percent of the measured concentration in the sample. NR149.14 (3)d

LOGIN SHEET

*Updated 12/5*  
*(Signature)*

Date Received: 11/21/2001  
 Verbal Due:  
 Lab Due Date: 12/06/2001  
 Due Date: 12/07/2001  
 Disposal Days: 30  
 Disp. Method: dump  
 P.O. Reference:  
 Rush Status: No  
 Collected By: client  
 Delivered By: Dan 11/21  
 Payment Terms: NET 60  
 SDG No.:  
 Marketing Rep: bje  
 Project Manager: dfm  
 Copy To:  
 Report Master: bddshort  
 Deliverable:

Client No. 10100  
 BT2, INC.  
 2830 Dairy Drive  
 Madison, WI 53704-6751  
 Attention: Mr. Steven Smith  
 Phone: 608-224-2830  
 Fax: 608- 224-2839

BT2, INC.  
 c/o BT2, Inc.  
 2830 Dairy Drive  
 Madison, WI 53704-6751  
 Attention: Accounts Payable  
 Phone: 608-224-2830  
 Fax: 608-224-2839

TestAmerica Project ID: Groundwater Analysis  
 TestAmerica Job Number: 01.09469 1764 Stoughton City Landfill  
 TestAmerica Quote Number: 00.0159  
 Air Bill Info:  
 Chain of Custody: coc 3pgs  
 Comments: Rec'd on ice

job requirement thf 10 ug/l

Total Number of Samples: 23

7 samples of this total:

460523	00133999 Trip Blank 1764 Stoughton	Taken: 11/20/2001 08:00 GROUND WATER
460525	00133841 MW3D 1764 Stoughton	Taken: 11/20/2001 09:25 GROUND WATER
460529	00133846 MW5D 1764 Stoughton	Taken: 11/20/2001 11:00 GROUND WATER
460530	00133846 MW5D Dup 1764 Stoughton	Taken: 11/20/2001 11:00 GROUND WATER
460531	00133853 MW9S 1764 Stoughton	Taken: 11/20/2001 13:00 GROUND WATER
460532	00133854 MW9I 1764 Stoughton	Taken: 11/20/2001 13:15 GROUND WATER
460534	00133855 MW9B 1764 Stoughton	Taken: 11/20/2001 13:45 GROUND WATER

For the following analyses:

Test Code	Test/Procedure	MDL	Default Result	Reporting Limit	Units
47400	VOC - AQUEOUS - EPA 8260B		COMPLETE		ug/L
47401	Misc VOC Compounds		COMPLETE		
47410	Benzene	0.10	<0.10	0.33	ug/L
47420	Bromobenzene	0.25	<0.25	0.83	ug/L
47430	Bromochloromethane	0.25	<0.25	0.83	ug/L
47440	Bromodichloromethane	0.25	<0.25	0.83	ug/L
47450	Bromoform	0.25	<0.25	0.83	ug/L
47460	Bromomethane	0.25	<0.25	0.83	ug/L
47470	n-Butylbenzene	0.25	<0.25	0.83	ug/L

LOGIN SHEET CONTINUED

TestAmerica Project ID: Groundwater Analysis  
 TestAmerica Job Number: 01.09469 1764 Stoughton City Landfill  
 TestAmerica Quote Number: 00.0159  
 Air Bill Info:  
 Chain of Custody: coc 3pgs

Test Code	Test/Procedure	MDL	Default Result	Reporting Limit	Units
47480	sec-Butylbenzene	0.25	<0.25	0.83	ug/L
47490	tert-Butylbenzene	0.25	<0.25	0.83	ug/L
47500	Carbon Tetrachloride	0.25	<0.25	0.83	ug/L
47510	Chlorobenzene	0.25	<0.25	0.83	ug/L
47520	Chlorodibromomethane	0.25	<0.25	0.83	ug/L
47530	Chloroethane	0.25	<0.25	0.83	ug/L
47540	Chloroform	0.25	<0.25	0.83	ug/L
47550	Chloromethane	0.25	<0.25	0.83	ug/L
47560	2-Chlorotoluene	0.10	<0.10	0.33	ug/L
47570	4-Chlorotoluene	0.25	<0.25	0.83	ug/L
47580	1,2-Dibromo-3-Chloropropane	0.25	<0.25	0.83	ug/L
47590	1,2-Dibromoethane (EDB)	0.25	<0.25	0.83	ug/L
47600	Dibromomethane	0.25	<0.25	0.83	ug/L
47610	1,2-Dichlorobenzene	0.25	<0.25	0.83	ug/L
47620	1,3-Dichlorobenzene	0.25	<0.25	0.83	ug/L
47630	1,4-Dichlorobenzene	0.25	<0.25	0.83	ug/L
47640	Dichlorodifluoromethane	0.25	<0.25	0.83	ug/L
47650	1,1-Dichloroethane	0.25	<0.25	0.83	ug/L
47660	1,2-Dichloroethane	0.25	<0.25	0.83	ug/L
47670	1,1-Dichloroethene	0.25	<0.25	0.83	ug/L
47680	cis-1,2-Dichloroethene	0.25	<0.25	0.83	ug/L
47690	trans-1,2-Dichloroethene	0.25	<0.25	0.83	ug/L
47700	1,2-Dichloropropane	0.25	<0.25	0.83	ug/L
47710	1,3-Dichloropropane	0.25	<0.25	0.83	ug/L
47720	2,2-Dichloropropane	0.25	<0.25	0.83	ug/L
47730	1,1-Dichloropropene	0.25	<0.25	0.83	ug/L
47740	cis-1,3-Dichloropropene	0.25	<0.25	0.83	ug/L
47750	trans-1,3-Dichloropropene	0.25	<0.25	0.83	ug/L
47755	Di-isopropyl ether	0.25	<0.25	0.83	ug/L
47760	Ethylbenzene	0.25	<0.25	0.83	ug/L
47770	Hexachlorobutadiene	0.25	<0.25	0.83	ug/L
47780	Isopropylbenzene	0.25	<0.25	0.83	ug/L
47790	p-Isopropyltoluene	0.25	<0.25	0.83	ug/L
47800	Methylene Chloride	0.25	<0.25	0.83	ug/L
47810	Methyl-t-butyl ether	0.25	<0.25	0.83	ug/L
47820	Naphthalene	0.25	<0.25	0.83	ug/L
47830	n-Propylbenzene	0.25	<0.25	0.83	ug/L
47840	Styrene	0.25	<0.25	0.83	ug/L
47850	1,1,1,2-Tetrachloroethane	0.25	<0.25	0.83	ug/L
47860	1,1,2,2-Tetrachloroethane	0.25	<0.25	0.83	ug/L
47870	Tetrachloroethene	0.25	<0.25	0.83	ug/L
47875	Tetrahydrofuran	0.25	<0.25	0.83	ug/L
47880	Toluene	0.10	<0.10	0.33	ug/L
47890	1,2,3-Trichlorobenzene	0.25	<0.25	0.83	ug/L
47900	1,2,4-Trichlorobenzene	0.25	<0.25	0.83	ug/L



LOGIN SHEET CONTINUED

TestAmerica Project ID: Groundwater Analysis  
 TestAmerica Job Number: 01.09469 1764 Stoughton City Landfill  
 TestAmerica Quote Number: 00.0159  
 Air Bill Info:  
 Chain of Custody: coc 3pgs

Test Code	Test/Procedure	MDL	Default Result	Reporting Limit	Units
47910	1,1,1-Trichloroethane	0.25	<0.25	0.83	ug/L
47920	1,1,2-Trichloroethane	0.25	<0.25	0.83	ug/L
47930	Trichloroethene	0.25	<0.25	0.83	ug/L
47940	Trichlorofluoromethane	0.25	<0.25	0.83	ug/L
47950	1,2,3-Trichloropropane	0.25	<0.25	0.83	ug/L
47960	1,2,4-Trimethylbenzene	0.10	<0.10	0.33	ug/L
47970	1,3,5-Trimethylbenzene	0.10	<0.10	0.33	ug/L
47980	Vinyl Chloride	0.25	<0.25	0.83	ug/L
47990	Xylenes, Total	0.25	<0.25	0.83	ug/L
48000	Surr: Dibromofluoromethane		50.0	86-119	ug/L
48010	Surr: Toluene-d8		50.0	88-110	ug/L
48020	Surr: Bromofluorobenzene		50.0	91-110	ug/L

8 samples of this total:

✓460524	00133840 MW3S 1764 Stoughton		Taken: 11/20/2001 09:15 GROUND WATER
✓460526	00133843 MW4S 1764 Stoughton		Taken: 11/20/2001 10:00 GROUND WATER
✓460528	00133845 MW5S 1764 Stoughton		Taken: 11/20/2001 10:40 GROUND WATER
✓460533	00133852 MW3B 1764 Stoughton		Taken: 11/20/2001 09:40 GROUND WATER
✓460535	00133850 MW8S 1764 Stoughton		Taken: 11/20/2001 11:45 GROUND WATER
✓460539	00133865 MW15S 1764 Stoughton		Taken: 11/20/2001 14:25 GROUND WATER
✓460540	00133866 MW15I 1764 Stoughton		Taken: 11/20/2001 14:55 GROUND WATER
✓460541	00133867 MW15D 1764 Stoughton		Taken: 11/20/2001 15:30 GROUND WATER

For the following analyses:

Test Code	Test/Procedure	MDL	Default Result	Reporting Limit	Units
47400	VOC - AQUEOUS - EPA 8260B		COMPLETE		ug/L
47401	Misc VOC Compounds		COMPLETE		
47640	Dichlorodifluoromethane	0.25	<0.25	0.83	ug/L
47875	Tetrahydrofuran	0.25	<0.25	0.83	ug/L
48000	Surr: Dibromofluoromethane		50.0	86-119	ug/L
48010	Surr: Toluene-d8		50.0	88-110	ug/L
48020	Surr: Bromofluorobenzene		50.0	91-110	ug/L

4 samples of this total:

460527	00133844 MW4D 1764 Stoughton		Taken: 11/20/2001 10:20 GROUND WATER
460538	00133997 Field Blank 1764 Stoughton		Taken: 11/20/2001 11:15 GROUND WATER
460542	00133867 MW15D Dup 1764 Stoughton		Taken: 11/20/2001 15:30 GROUND WATER
460545	00133849 MW7B 1764 Stoughton		Taken: 11/20/2001 16:20 GROUND WATER

For the following analyses:

Test Code	Test/Procedure	MDL	Default Result	Reporting Limit	Units
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LOGIN SHEET CONTINUED

TestAmerica Project ID: Groundwater Analysis  
 TestAmerica Job Number: 01.09469 1764 Stoughton City Landfill  
 TestAmerica Quote Number: 00.0159  
 Air Bill Info:  
 Chain of Custody: coc 3pgs

Test Code	Test/Procedure	MDL	Default Result	Reporting Limit	Units
44200	VOC - AQUEOUS - EPA 8260B		COMPLETE		ug/L
44201	Misc VOC Compounds		COMPLETE		
44210	Benzene	0.31	<0.31	0.98	ug/L
44220	Bromobenzene	0.20	<0.20	0.64	ug/L
44230	Bromochloromethane	0.32	<0.32	1.0	ug/L
44240	Bromodichloromethane	0.20	<0.20	0.63	ug/L
44250	Bromoform	0.14	<0.14	0.45	ug/L
44260	Bromomethane	0.46	<0.46	1.5	ug/L
44270	n-Butylbenzene	0.44	<0.44	1.4	ug/L
44280	sec-Butylbenzene	0.45	<0.45	1.4	ug/L
44290	tert-Butylbenzene	0.38	<0.38	1.2	ug/L
44300	Carbon Tetrachloride	0.40	<0.40	1.3	ug/L
44310	Chlorobenzene	0.22	<0.22	0.69	ug/L
44320	Chlorodibromomethane	0.10	<0.10	0.33	ug/L
44330	Chloroethane	1.2	<1.2	3.9	ug/L
44340	Chloroform	0.18	<0.18	0.58	ug/L
44350	Chloromethane	0.38	<0.38	1.2	ug/L
44360	2-Chlorotoluene	0.28	<0.28	0.90	ug/L
44370	4-Chlorotoluene	0.47	<0.47	1.5	ug/L
44380	1,2-Dibromo-3-Chloropropane	1.4	<1.4	4.5	ug/L
44390	1,2-Dibromoethane (EDB)	0.16	<0.16	0.51	ug/L
44400	Dibromomethane	0.11	<0.11	0.36	ug/L
44410	1,2-Dichlorobenzene	0.20	<0.20	0.64	ug/L
44420	1,3-Dichlorobenzene	0.22	<0.22	0.71	ug/L
44430	1,4-Dichlorobenzene	0.35	<0.35	1.1	ug/L
44440	Dichlorodifluoromethane	0.49	<0.49	1.6	ug/L
44450	1,1-Dichloroethane	0.25	<0.25	0.79	ug/L
44460	1,2-Dichloroethane	0.20	<0.20	0.63	ug/L
44470	1,1-Dichloroethene	0.73	<0.73	2.3	ug/L
44480	cis-1,2-Dichloroethene	0.23	<0.23	0.74	ug/L
44490	trans-1,2-Dichloroethene	0.39	<0.39	1.2	ug/L
44500	1,2-Dichloropropane	0.29	<0.29	0.93	ug/L
44510	1,3-Dichloropropane	0.15	<0.15	0.46	ug/L
44520	2,2-Dichloropropane	0.37	<0.37	1.2	ug/L
44530	1,1-Dichloropropene	0.63	<0.63	2.0	ug/L
44540	cis-1,3-Dichloropropene	0.17	<0.17	0.56	ug/L
44550	trans-1,3-Dichloropropene	0.13	<0.13	0.42	ug/L
44555	Di-isopropyl ether	0.13	<0.13	0.41	ug/L
44560	Ethylbenzene	0.38	<0.38	1.2	ug/L
44570	Hexachlorobutadiene	0.37	<0.37	1.2	ug/L
44580	Isopropylbenzene	0.36	<0.36	1.1	ug/L
44590	p-Isopropyltoluene	0.35	<0.35	1.1	ug/L
44600	Methylene Chloride	0.87	<0.87	3.1	ug/L
44610	Methyl-t-butyl ether	0.14	<0.14	0.45	ug/L
44620	Naphthalene	0.35	<0.35	1.1	ug/L

LOGIN SHEET CONTINUED

TestAmerica Project ID: Groundwater Analysis

TestAmerica Job Number: 01.09469 1764 Stoughton City Landfill

TestAmerica Quote Number: 00.0159

Air Bill Info:

Chain of Custody: coc 3pgs

Test Code	Test/Procedure	MDL	Default Result	Reporting Limit	Units
44630	n-Propylbenzene	0.46	<0.46	1.5	ug/L
44640	Styrene	0.16	<0.16	0.51	ug/L
44650	1,1,1,2-Tetrachloroethane	0.11	<0.11	0.34	ug/L
44660	1,1,2,2-Tetrachloroethane	0.39	<0.39	1.3	ug/L
44670	Tetrachloroethene	0.63	<0.63	2.0	ug/L
44675	Tetrahydrofuran	1.9	<1.9	6.1	ug/L
44680	Toluene	0.39	<0.39	1.3	ug/L
44690	1,2,3-Trichlorobenzene	0.32	<0.32	1.0	ug/L
44700	1,2,4-Trichlorobenzene	0.18	<0.18	0.57	ug/L
44710	1,1,1-Trichloroethane	0.28	<0.28	0.88	ug/L
44720	1,1,2-Trichloroethane	0.15	<0.15	0.46	ug/L
44730	Trichloroethene	0.49	<0.49	1.6	ug/L
44740	Trichlorofluoromethane	0.58	<0.58	1.8	ug/L
44750	1,2,3-Trichloropropane	0.28	<0.28	0.90	ug/L
44760	1,2,4-Trimethylbenzene	0.32	<0.32	1.0	ug/L
44770	1,3,5-Trimethylbenzene	0.33	<0.33	1.0	ug/L
44780	Vinyl Chloride	0.46	<0.46	1.5	ug/L
44790	Xylenes, Total	1.1	<1.1	3.6	ug/L
44800	Surr: Dibromofluoromethane		50.0	87-121	ug/L
44810	Surr: Toluene-d8		50.0	92-107	ug/L
44820	Surr: Bromofluorobenzene		50.0	89-109	ug/L

4 samples of this total:

460536 00133851 MW8I 1764 Stoughton

Taken: 11/20/2001 12:35 GROUND WATER

460537 00133849 MW7B 1764 Stoughton

Taken: 11/20/2001 11:50 GROUND WATER

460543 00133847 MW7S 1764 Stoughton

Taken: 11/20/2001 16:00 GROUND WATER

460544 00133848 MW7I 1764 Stoughton

Taken: 11/20/2001 16:15 GROUND WATER

For the following analyses:

Test Code	Test/Procedure	MDL	Default Result	Reporting Limit	Units
44200	VOC - AQUEOUS - EPA 8260B		COMPLETE		ug/L
44201	Misc VOC Compounds		COMPLETE		
44440	Dichlorodifluoromethane	0.49	<0.49	1.6	ug/L
44675	Tetrahydrofuran	1.9	<1.9	6.1	ug/L
44800	Surr: Dibromofluoromethane		50.0	87-121	ug/L
44810	Surr: Toluene-d8		50.0	92-107	ug/L
44820	Surr: Bromofluorobenzene		50.0	89-109	ug/L





BT2, INC.  
Job No: 01.09520

12/06/2001  
Page 2 of 24

## KEY TO DATA FLAGS

The attached sample(s) may have a result flag shown on the report. The following are the result flag definitions:

A = Analyzed/extracted past hold time  
B = Blank is contaminated  
C = Standard outside of control limits  
D = Diluted for analysis  
E = TCLP extraction outside of method required temperature range  
F = Sample filtered in lab  
G = Received past hold time  
H = Late eluting hydrocarbons present  
I = Improperly handled sample  
J = Estimated concentration  
L = Common lab solvent and contaminant  
M = Matrix interference  
P = Improperly preserved sample  
Q = Result confirmed via re-analysis  
S = Sediment present  
T = Does not match typical pattern  
W = BOD re-set due to missed dilution  
X = Unidentified compound(s) present  
Z = Internal standard outside limits  
\* = See Case Narrative

## KEY TO ANALYST INITIALS

The attached sample(s) may have been analyzed by another certified laboratory. If a number appears in the Analyst Initials field, the following are the appropriate certifications (if the lab code does not appear below, that means that WDNR certification is not required for the work performed):

Lab Code	Certification Number
008	WDNR - 999766900
009	WDNR - 241293690
060	ILNELAC - 100221; WDNR - 999447130
070	IA - 007; MDH - 019-999-319; WDNR - 999917270
130	WDNR - 632021390
147	WDNR - 721026460
300	FLNELAC - 87358; IA - 131; MDH - 047-999-345; WDNR - 998020430
400	WDNR - 113133790
510	WDNR - 241249360
700	WDNR - 113289110

TestAmerica Watertown IDNR ID - 294; MDH ID - 055-999-366

For questions regarding this report, please contact Dan Milewsky or Warren Topel.

## ANALYTICAL REPORT

Mr. Steven Smith  
 BT2, INC.  
 2830 Dairy Drive  
 Madison, WI 53704-6751

12/06/2001  
 Job No: 01.09520  
 Sample No: 460725  
 Account No: 10100  
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JOB DESCRIPTION: 1764 Stoughton City Landfill  
 PROJECT DESCRIPTION: Groundwater Analysis  
 SAMPLE DESCRIPTION: 00133999 Trip Blank 1764 Stoughton  
 Rec'd on ice

Date/Time Taken: 11/21/2001 08:00

Date Received: 11/26/2001

Parameter	Results	Units	MDL	LOQ	Method	Date		Prep/Run	
						Analyzed	Analyst	Batch	
VOC - AQUEOUS - EPA 8260B									
Misc VOC Compounds									
Benzene	<0.31	ug/L	0.31	0.98	SW 8260B	12/01/2001	aba		1856
Bromobenzene	<0.20	ug/L	0.20	0.64	SW 8260B	12/01/2001	aba		1856
Bromochloromethane	<0.32	ug/L	0.32	1.0	SW 8260B	12/01/2001	aba		1856
Bromodichloromethane	<0.20	ug/L	0.20	0.63	SW 8260B	12/01/2001	aba		1856
Bromoform	<0.14	ug/L	0.14	0.45	SW 8260B	12/01/2001	aba		1856
Bromomethane	<0.46	ug/L	0.46	1.5	SW 8260B	12/01/2001	aba		1856
n-Butylbenzene	<0.44	ug/L	0.44	1.4	SW 8260B	12/01/2001	aba		1856
sec-Butylbenzene	<0.45	ug/L	0.45	1.4	SW 8260B	12/01/2001	aba		1856
tert-Butylbenzene	<0.38	ug/L	0.38	1.2	SW 8260B	12/01/2001	aba		1856
Carbon Tetrachloride	<0.40	ug/L	0.40	1.3	SW 8260B	12/01/2001	aba		1856
Chlorobenzene	<0.22	ug/L	0.22	0.69	SW 8260B	12/01/2001	aba		1856
Chlorodibromomethane	<0.10	ug/L	0.10	0.33	SW 8260B	12/01/2001	aba		1856
Chloroethane	<1.2	ug/L	1.2	3.9	SW 8260B	12/01/2001	aba		1856
Chloroform	<0.18	ug/L	0.18	0.58	SW 8260B	12/01/2001	aba		1856
Chloromethane	<0.38	ug/L	0.38	1.2	SW 8260B	12/01/2001	aba		1856
2-Chlorotoluene	<0.28	ug/L	0.28	0.90	SW 8260B	12/01/2001	aba		1856
4-Chlorotoluene	<0.47	ug/L	0.47	1.5	SW 8260B	12/01/2001	aba		1856
1,2-Dibromo-3-Chloropropane	<1.4	ug/L	1.4	4.5	SW 8260B	12/01/2001	aba		1856
1,2-Dibromoethane (EDB)	<0.16	ug/L	0.16	0.51	SW 8260B	12/01/2001	aba		1856
Dibromomethane	<0.11	ug/L	0.11	0.36	SW 8260B	12/01/2001	aba		1856
1,2-Dichlorobenzene	<0.20	ug/L	0.20	0.64	SW 8260B	12/01/2001	aba		1856
1,3-Dichlorobenzene	<0.22	ug/L	0.22	0.71	SW 8260B	12/01/2001	aba		1856
1,4-Dichlorobenzene	<0.35	ug/L	0.35	1.1	SW 8260B	12/01/2001	aba		1856
Dichlorodifluoromethane	<0.49	ug/L	0.49	1.6	SW 8260B	12/01/2001	aba		1856
1,1-Dichloroethane	<0.25	ug/L	0.25	0.79	SW 8260B	12/01/2001	aba		1856
1,2-Dichloroethane	<0.20	ug/L	0.20	0.63	SW 8260B	12/01/2001	aba		1856
1,1-Dichloroethene	<0.73	ug/L	0.73	2.3	SW 8260B	12/01/2001	aba		1856
cis-1,2-Dichloroethene	<0.23	ug/L	0.23	0.74	SW 8260B	12/01/2001	aba		1856
trans-1,2-Dichloroethene	<0.39	ug/L	0.39	1.2	SW 8260B	12/01/2001	aba		1856
1,2-Dichloropropane	<0.29	ug/L	0.29	0.93	SW 8260B	12/01/2001	aba		1856
1,3-Dichloropropane	<0.15	ug/L	0.15	0.46	SW 8260B	12/01/2001	aba		1856
2,2-Dichloropropane	<0.37	ug/L	0.37	1.2	SW 8260B	12/01/2001	aba		1856
1,1-Dichloropropene	<0.63	ug/L	0.63	2.0	SW 8260B	12/01/2001	aba		1856
cis-1,3-Dichloropropene	<0.17	ug/L	0.17	0.56	SW 8260B	12/01/2001	aba		1856
trans-1,3-Dichloropropene	<0.13	ug/L	0.13	0.42	SW 8260B	12/01/2001	aba		1856
Di-isopropyl ether	<0.13	ug/L	0.13	0.41	SW 8260B	12/01/2001	aba		1856
Ethylbenzene	<0.38	ug/L	0.38	1.2	SW 8260B	12/01/2001	aba		1856

## ANALYTICAL REPORT

Mr. Steven Smith  
 BT2, INC.  
 2830 Dairy Drive  
 Madison, WI 53704-6751

12/06/2001  
 Job No: 01.09520  
 Sample No: 460725  
 Account No: 10100  
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JOB DESCRIPTION: 1764 Stoughton City Landfill  
 PROJECT DESCRIPTION: Groundwater Analysis  
 SAMPLE DESCRIPTION: 00133999 Trip Blank 1764 Stoughton  
 Rec'd on ice

Date/Time Taken: 11/21/2001 08:00

Date Received: 11/26/2001

Parameter	Results	Units	MDL	LOQ	Method	Date		Prep/Run
						Analyzed	Analyst	Batch
Hexachlorobutadiene	<0.37	ug/L	0.37	1.2	SW 8260B	12/01/2001	aba	1856
Isopropylbenzene	<0.36	ug/L	0.36	1.1	SW 8260B	12/01/2001	aba	1856
p-Isopropyltoluene	<0.35	ug/L	0.35	1.1	SW 8260B	12/01/2001	aba	1856
Methylene Chloride	L 2.0	ug/L	0.87	3.1	SW 8260B	12/01/2001	aba	1856
Methyl-t-butyl ether	<0.14	ug/L	0.14	0.45	SW 8260B	12/01/2001	aba	1856
Naphthalene	<0.35	ug/L	0.35	1.1	SW 8260B	12/01/2001	aba	1856
n-Propylbenzene	<0.46	ug/L	0.46	1.5	SW 8260B	12/01/2001	aba	1856
Styrene	<0.16	ug/L	0.16	0.51	SW 8260B	12/01/2001	aba	1856
1,1,1,2-Tetrachloroethane	<0.11	ug/L	0.11	0.34	SW 8260B	12/01/2001	aba	1856
1,1,2,2-Tetrachloroethane	<0.39	ug/L	0.39	1.3	SW 8260B	12/01/2001	aba	1856
Tetrachloroethene	<0.63	ug/L	0.63	2.0	SW 8260B	12/01/2001	aba	1856
Tetrahydrofuran	<1.9	ug/L	1.9	6.1	SW 8260B	12/01/2001	aba	850
Toluene	<0.39	ug/L	0.39	1.3	SW 8260B	12/01/2001	aba	1856
1,2,3-Trichlorobenzene	<0.32	ug/L	0.32	1.0	SW 8260B	12/01/2001	aba	1856
1,2,4-Trichlorobenzene	<0.18	ug/L	0.18	0.57	SW 8260B	12/01/2001	aba	1856
1,1,1-Trichloroethane	<0.28	ug/L	0.28	0.88	SW 8260B	12/01/2001	aba	1856
1,1,2-Trichloroethane	<0.15	ug/L	0.15	0.46	SW 8260B	12/01/2001	aba	1856
Trichloroethene	<0.49	ug/L	0.49	1.6	SW 8260B	12/01/2001	aba	1856
Trichlorofluoromethane	<0.58	ug/L	0.58	1.8	SW 8260B	12/01/2001	aba	1856
1,2,3-Trichloropropane	<0.28	ug/L	0.28	0.90	SW 8260B	12/01/2001	aba	1856
1,2,4-Trimethylbenzene	<0.32	ug/L	0.32	1.0	SW 8260B	12/01/2001	aba	1856
1,3,5-Trimethylbenzene	<0.33	ug/L	0.33	1.0	SW 8260B	12/01/2001	aba	1856
Vinyl Chloride	<0.46	ug/L	0.46	1.5	SW 8260B	12/01/2001	aba	1856
Xylenes, Total	<1.1	ug/L	1.1	3.6	SW 8260B	12/01/2001	aba	1856
Surr: Dibromofluoromethane	102.0	μ		87-121	SW 8260B	12/01/2001	aba	1856
Surr: Toluene-d8	100.2	μ		92-107	SW 8260B	12/01/2001	aba	1856
Surr: Bromofluorobenzene	97.8	μ		89-109	SW 8260B	12/01/2001	aba	1856



## ANALYTICAL REPORT

Mr. Steven Smith  
 BT2, INC.  
 2830 Dairy Drive  
 Madison, WI 53704-6751

12/06/2001  
 Job No: 01.09520  
 Sample No: 460726  
 Account No: 10100  
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JOB DESCRIPTION: 1764 Stoughton City Landfill  
 PROJECT DESCRIPTION: Groundwater Analysis  
 SAMPLE DESCRIPTION: 00133859 MW13S 1764 Stoughton  
 Rec'd on ice

Date/Time Taken: 11/21/2001 09:30

Date Received: 11/26/2001

Parameter	Results	Units	MDL	LOQ	Method	Date		Prep/Run
						Analyzed	Analyst	Batch
VOC - AQUEOUS - EPA 8260B								
Misc VOC Compounds								
Dichlorodifluoromethane	<0.49	ug/L	0.49	1.6	SW 8260B	12/01/2001	aba	1856
Tetrahydrofuran	<1.9	ug/L	1.9	6.1	SW 8260B	12/01/2001	aba	850
Surr: Dibromofluoromethane	102.2	%		87-121	SW 8260B	12/01/2001	aba	1856
Surr: Toluene-d8	100.4	%		92-107	SW 8260B	12/01/2001	aba	1856
Surr: Bromofluorobenzene	99.2	%		89-109	SW 8260B	12/01/2001	aba	1856

## ANALYTICAL REPORT

Mr. Steven Smith  
BT2, INC.  
2830 Dairy Drive  
Madison, WI 53704-6751

12/06/2001  
Job No: 01.09520  
Sample No: 460727  
Account No: 10100  
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JOB DESCRIPTION: 1764 Stoughton City Landfill  
PROJECT DESCRIPTION: Groundwater Analysis  
SAMPLE DESCRIPTION: 00133860 MW13I 1764 Stoughton  
Rec'd on ice

Date/Time Taken: 11/21/2001 09:40

Date Received: 11/26/2001

Parameter	Results	Units	MDL	LOQ	Method	Date		Prep/Run
						Analyzed	Analyst	
VOC - AQUEOUS - EPA 8260B								
Misc VOC Compounds								
Dichlorodifluoromethane	0.78	ug/L	0.49	1.6	SW 8260B	12/04/2001	aba	1863
Tetrahydrofuran	22	ug/L	1.9	6.1	SW 8260B	12/04/2001	aba	852
Surr: Dibromofluoromethane	99.4	%		87-121	SW 8260B	12/04/2001	aba	1863
Surr: Toluene-d8	99.6	%		92-107	SW 8260B	12/04/2001	aba	1863
Surr: Bromofluorobenzene	100.6	%		89-109	SW 8260B	12/04/2001	aba	1863

## ANALYTICAL REPORT

Mr. Steven Smith  
BT2, INC.  
2830 Dairy Drive  
Madison, WI 53704-6751

12/06/2001  
Job No: 01.09520  
Sample No: 460728  
Account No: 10100  
Page 7 of 24

JOB DESCRIPTION: 1764 Stoughton City Landfill  
PROJECT DESCRIPTION: Groundwater Analysis  
SAMPLE DESCRIPTION: 00133861 MW13D 1764 Stoughton  
Rec'd on ice

Date/Time Taken: 11/21/2001 09:45

Date Received: 11/26/2001

Parameter	Results	Units	MDL	LOQ	Method	Date		Prep/Run
						Analyzed	Analyst	Batch
VOC - AQUEOUS - EPA 8260B								
Misc VOC Compounds								
Dichlorodifluoromethane	<0.49	ug/L	0.49	1.6	SW 8260B	12/04/2001	aba	1863
Tetrahydrofuran	<1.9	ug/L	1.9	6.1	SW 8260B	12/04/2001	aba	852
Surr: Dibromofluoromethane	100.8	%		87-121	SW 8260B	12/04/2001	aba	1863
Surr: Toluene-d8	101.8	%		92-107	SW 8260B	12/04/2001	aba	1863
Surr: Bromofluorobenzene	101.2	%		89-109	SW 8260B	12/04/2001	aba	1863

## ANALYTICAL REPORT

Mr. Steven Smith  
 BT2, INC.  
 2830 Dairy Drive  
 Madison, WI 53704-6751

12/06/2001  
 Job No: 01.09520  
 Sample No: 460729  
 Account No: 10100  
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JOB DESCRIPTION: 1764 Stoughton City Landfill  
 PROJECT DESCRIPTION: Groundwater Analysis  
 SAMPLE DESCRIPTION: 00133862 MW-14S 1764 Stoughton  
 Rec'd on ice

Date/Time Taken: 11/21/2001 10:05

Date Received: 11/26/2001

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Analyst	Prep/Run Batch
VOC - AQUEOUS - EPA 8260B								
Misc VOC Compounds								
Benzene	<0.31	ug/L	0.31	0.98	SW 8260B	12/04/2001	aba	1863
Bromobenzene	<0.20	ug/L	0.20	0.64	SW 8260B	12/04/2001	aba	1863
Bromochloromethane	<0.32	ug/L	0.32	1.0	SW 8260B	12/04/2001	aba	1863
Bromodichloromethane	<0.20	ug/L	0.20	0.63	SW 8260B	12/04/2001	aba	1863
Bromoform	<0.14	ug/L	0.14	0.45	SW 8260B	12/04/2001	aba	1863
Bromomethane	<0.46	ug/L	0.46	1.5	SW 8260B	12/04/2001	aba	1863
n-Butylbenzene	<0.44	ug/L	0.44	1.4	SW 8260B	12/04/2001	aba	1863
sec-Butylbenzene	<0.45	ug/L	0.45	1.4	SW 8260B	12/04/2001	aba	1863
tert-Butylbenzene	<0.38	ug/L	0.38	1.2	SW 8260B	12/04/2001	aba	1863
Carbon Tetrachloride	<0.40	ug/L	0.40	1.3	SW 8260B	12/04/2001	aba	1863
Chlorobenzene	<0.22	ug/L	0.22	0.69	SW 8260B	12/04/2001	aba	1863
Chlorodibromomethane	<0.10	ug/L	0.10	0.33	SW 8260B	12/04/2001	aba	1863
Chloroethane	<1.2	ug/L	1.2	3.9	SW 8260B	12/04/2001	aba	1863
Chloroform	<0.18	ug/L	0.18	0.58	SW 8260B	12/04/2001	aba	1863
Chloromethane	<0.38	ug/L	0.38	1.2	SW 8260B	12/04/2001	aba	1863
2-Chlorotoluene	<0.28	ug/L	0.28	0.90	SW 8260B	12/04/2001	aba	1863
4-Chlorotoluene	<0.47	ug/L	0.47	1.5	SW 8260B	12/04/2001	aba	1863
1,2-Dibromo-3-Chloropropane	<1.4	ug/L	1.4	4.5	SW 8260B	12/04/2001	aba	1863
1,2-Dibromoethane (EDB)	<0.16	ug/L	0.16	0.51	SW 8260B	12/04/2001	aba	1863
Dibromomethane	<0.11	ug/L	0.11	0.36	SW 8260B	12/04/2001	aba	1863
1,2-Dichlorobenzene	<0.20	ug/L	0.20	0.64	SW 8260B	12/04/2001	aba	1863
1,3-Dichlorobenzene	<0.22	ug/L	0.22	0.71	SW 8260B	12/04/2001	aba	1863
1,4-Dichlorobenzene	<0.35	ug/L	0.35	1.1	SW 8260B	12/04/2001	aba	1863
Dichlorodifluoromethane	110	ug/L	0.49	1.6	SW 8260B	12/05/2001	aba	1866
1,1-Dichloroethane	<0.25	ug/L	0.25	0.79	SW 8260B	12/04/2001	aba	1863
1,2-Dichloroethane	<0.20	ug/L	0.20	0.63	SW 8260B	12/04/2001	aba	1863
1,1-Dichloroethene	<0.73	ug/L	0.73	2.3	SW 8260B	12/04/2001	aba	1863
cis-1,2-Dichloroethene	0.86	ug/L	0.23	0.74	SW 8260B	12/04/2001	aba	1863
trans-1,2-Dichloroethene	<0.39	ug/L	0.39	1.2	SW 8260B	12/04/2001	aba	1863
1,2-Dichloropropane	<0.29	ug/L	0.29	0.93	SW 8260B	12/04/2001	aba	1863
1,3-Dichloropropane	<0.15	ug/L	0.15	0.46	SW 8260B	12/04/2001	aba	1863
2,2-Dichloropropane	<0.37	ug/L	0.37	1.2	SW 8260B	12/04/2001	aba	1863
1,1-Dichloropropene	<0.63	ug/L	0.63	2.0	SW 8260B	12/04/2001	aba	1863
cis-1,3-Dichloropropene	<0.17	ug/L	0.17	0.56	SW 8260B	12/04/2001	aba	1863
trans-1,3-Dichloropropene	<0.13	ug/L	0.13	0.42	SW 8260B	12/04/2001	aba	1863
Di-isopropyl ether	<0.13	ug/L	0.13	0.41	SW 8260B	12/04/2001	aba	1863
Ethylbenzene	<0.38	ug/L	0.38	1.2	SW 8260B	12/04/2001	aba	1863

## ANALYTICAL REPORT

Mr. Steven Smith  
 BT2, INC.  
 2830 Dairy Drive  
 Madison, WI 53704-6751

12/06/2001  
 Job No: 01.09520  
 Sample No: 460729  
 Account No: 10100  
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JOB DESCRIPTION: 1764 Stoughton City Landfill  
 PROJECT DESCRIPTION: Groundwater Analysis  
 SAMPLE DESCRIPTION: 00133862 MW-14S 1764 Stoughton  
 Rec'd on ice

Date/Time Taken: 11/21/2001 10:05

Date Received: 11/26/2001

Parameter	Results	Units	MDL	LOQ	Method	Date		Prep/Run
						Analyzed	Analyst	
Hexachlorobutadiene	<0.37	ug/L	0.37	1.2	SW 8260B	12/04/2001	aba	1863
Isopropylbenzene	<0.36	ug/L	0.36	1.1	SW 8260B	12/04/2001	aba	1863
p-Isopropyltoluene	<0.35	ug/L	0.35	1.1	SW 8260B	12/04/2001	aba	1863
Methylene Chloride	L 1.2	ug/L	0.87	3.1	SW 8260B	12/04/2001	aba	1863
Methyl-t-butyl ether	<0.14	ug/L	0.14	0.45	SW 8260B	12/04/2001	aba	1863
Naphthalene	<0.35	ug/L	0.35	1.1	SW 8260B	12/04/2001	aba	1863
n-Propylbenzene	<0.46	ug/L	0.46	1.5	SW 8260B	12/04/2001	aba	1863
Styrene	<0.16	ug/L	0.16	0.51	SW 8260B	12/04/2001	aba	1863
1,1,1,2-Tetrachloroethane	<0.11	ug/L	0.11	0.34	SW 8260B	12/04/2001	aba	1863
1,1,2,2-Tetrachloroethane	<0.39	ug/L	0.39	1.3	SW 8260B	12/04/2001	aba	1863
Tetrachloroethene	6.5	ug/L	0.63	2.0	SW 8260B	12/04/2001	aba	1863
Tetrahydrofuran	<1.9	ug/L	1.9	6.1	SW 8260B	12/04/2001	aba	852
Toluene	<0.39	ug/L	0.39	1.3	SW 8260B	12/04/2001	aba	1863
1,2,3-Trichlorobenzene	<0.32	ug/L	0.32	1.0	SW 8260B	12/04/2001	aba	1863
1,2,4-Trichlorobenzene	<0.18	ug/L	0.18	0.57	SW 8260B	12/04/2001	aba	1863
1,1,1-Trichloroethane	<0.28	ug/L	0.28	0.88	SW 8260B	12/04/2001	aba	1863
1,1,2-Trichloroethane	<0.15	ug/L	0.15	0.46	SW 8260B	12/04/2001	aba	1863
Trichloroethene	5.6	ug/L	0.49	1.6	SW 8260B	12/04/2001	aba	1863
Trichlorofluoromethane	2.2	ug/L	0.58	1.8	SW 8260B	12/04/2001	aba	1863
1,2,3-Trichloropropane	2.0	ug/L	0.28	0.90	SW 8260B	12/04/2001	aba	1863
1,2,4-Trimethylbenzene	<0.32	ug/L	0.32	1.0	SW 8260B	12/04/2001	aba	1863
1,3,5-Trimethylbenzene	<0.33	ug/L	0.33	1.0	SW 8260B	12/04/2001	aba	1863
Vinyl Chloride	<0.46	ug/L	0.46	1.5	SW 8260B	12/04/2001	aba	1863
Xylenes, Total	<1.1	ug/L	1.1	3.6	SW 8260B	12/04/2001	aba	1863
Surr: Dibromofluoromethane	101.2	%		87-121	SW 8260B	12/04/2001	aba	1863
Surr: Toluene-d8	100.6	%		92-107	SW 8260B	12/04/2001	aba	1863
Surr: Bromofluorobenzene	101.4	%		89-109	SW 8260B	12/04/2001	aba	1863

## ANALYTICAL REPORT

Mr. Steven Smith  
 BT2, INC.  
 2830 Dairy Drive  
 Madison, WI 53704-6751

12/06/2001  
 Job No: 01.09520  
 Sample No: 460730  
 Account No: 10100  
 Page 10 of 24

JOB DESCRIPTION: 1764 Stoughton City Landfill  
 PROJECT DESCRIPTION: Groundwater Analysis  
 SAMPLE DESCRIPTION: 00133863 MW-14I 1764 Stoughton  
 Rec'd on ice

Date/Time Taken: 11/21/2001 10:20

Date Received: 11/26/2001

Parameter	Results	Units	MDL	LOQ	Method	Date		Prep/Run
						Analyzed	Analyst Batch	
VOC - AQUEOUS - EPA 8260B								
Misc VOC Compounds								
Benzene	0.31	ug/L	0.31	0.98	SW 8260B	12/04/2001	aba	1863
Bromobenzene	<0.20	ug/L	0.20	0.64	SW 8260B	12/04/2001	aba	1863
Bromochloromethane	<0.32	ug/L	0.32	1.0	SW 8260B	12/04/2001	aba	1863
Bromodichloromethane	<0.20	ug/L	0.20	0.63	SW 8260B	12/04/2001	aba	1863
Bromoform	<0.14	ug/L	0.14	0.45	SW 8260B	12/04/2001	aba	1863
Bromomethane	<0.46	ug/L	0.46	1.5	SW 8260B	12/04/2001	aba	1863
n-Butylbenzene	<0.44	ug/L	0.44	1.4	SW 8260B	12/04/2001	aba	1863
sec-Butylbenzene	<0.45	ug/L	0.45	1.4	SW 8260B	12/04/2001	aba	1863
tert-Butylbenzene	<0.38	ug/L	0.38	1.2	SW 8260B	12/04/2001	aba	1863
Carbon Tetrachloride	<0.40	ug/L	0.40	1.3	SW 8260B	12/04/2001	aba	1863
Chlorobenzene	<0.22	ug/L	0.22	0.69	SW 8260B	12/04/2001	aba	1863
Chlorodibromomethane	<0.10	ug/L	0.10	0.33	SW 8260B	12/04/2001	aba	1863
Chloroethane	<1.2	ug/L	1.2	3.9	SW 8260B	12/04/2001	aba	1863
Chloroform	<0.18	ug/L	0.18	0.58	SW 8260B	12/04/2001	aba	1863
Chloromethane	<0.38	ug/L	0.38	1.2	SW 8260B	12/04/2001	aba	1863
2-Chlorotoluene	<0.28	ug/L	0.28	0.90	SW 8260B	12/04/2001	aba	1863
4-Chlorotoluene	<0.47	ug/L	0.47	1.5	SW 8260B	12/04/2001	aba	1863
1,2-Dibromo-3-Chloropropane	<1.4	ug/L	1.4	4.5	SW 8260B	12/04/2001	aba	1863
1,2-Dibromoethane (EDB)	<0.16	ug/L	0.16	0.51	SW 8260B	12/04/2001	aba	1863
Dibromomethane	<0.11	ug/L	0.11	0.36	SW 8260B	12/04/2001	aba	1863
1,2-Dichlorobenzene	<0.20	ug/L	0.20	0.64	SW 8260B	12/04/2001	aba	1863
1,3-Dichlorobenzene	<0.22	ug/L	0.22	0.71	SW 8260B	12/04/2001	aba	1863
1,4-Dichlorobenzene	<0.35	ug/L	0.35	1.1	SW 8260B	12/04/2001	aba	1863
Dichlorodifluoromethane	140	ug/L	0.49	1.6	SW 8260B	12/04/2001	aba	1863
1,1-Dichloroethane	<0.25	ug/L	0.25	0.79	SW 8260B	12/04/2001	aba	1863
1,2-Dichloroethane	<0.20	ug/L	0.20	0.63	SW 8260B	12/04/2001	aba	1863
1,1-Dichloroethene	<0.73	ug/L	0.73	2.3	SW 8260B	12/04/2001	aba	1863
cis-1,2-Dichloroethene	1.2	ug/L	0.23	0.74	SW 8260B	12/04/2001	aba	1863
trans-1,2-Dichloroethene	<0.39	ug/L	0.39	1.2	SW 8260B	12/04/2001	aba	1863
1,2-Dichloropropane	<0.29	ug/L	0.29	0.93	SW 8260B	12/04/2001	aba	1863
1,3-Dichloropropane	<0.15	ug/L	0.15	0.46	SW 8260B	12/04/2001	aba	1863
2,2-Dichloropropane	<0.37	ug/L	0.37	1.2	SW 8260B	12/04/2001	aba	1863
1,1-Dichloropropene	<0.63	ug/L	0.63	2.0	SW 8260B	12/04/2001	aba	1863
cis-1,3-Dichloropropene	<0.17	ug/L	0.17	0.56	SW 8260B	12/04/2001	aba	1863
trans-1,3-Dichloropropene	<0.13	ug/L	0.13	0.42	SW 8260B	12/04/2001	aba	1863
Di-isopropyl ether	<0.13	ug/L	0.13	0.41	SW 8260B	12/04/2001	aba	1863
Ethylbenzene	<0.38	ug/L	0.38	1.2	SW 8260B	12/04/2001	aba	1863

## ANALYTICAL REPORT

Mr. Steven Smith  
 BT2, INC.  
 2830 Dairy Drive  
 Madison, WI 53704-6751

12/06/2001  
 Job No: 01.09520  
 Sample No: 460730  
 Account No: 10100  
 Page 11 of 24

JOB DESCRIPTION: 1764 Stoughton City Landfill  
 PROJECT DESCRIPTION: Groundwater Analysis  
 SAMPLE DESCRIPTION: 00133863 MW-141764 Stoughton  
 Rec'd on ice

Date/Time Taken: 11/21/2001 10:20

Date Received: 11/26/2001

Parameter	Results	Units	MDL	LOQ	Method	Date		Prep/Run	
						Analyzed	Analyst	Batch	
Hexachlorobutadiene	<0.37	ug/L	0.37	1.2	SW 8260B	12/04/2001	aba		1863
Isopropylbenzene	<0.36	ug/L	0.36	1.1	SW 8260B	12/04/2001	aba		1863
p-Isopropyltoluene	<0.35	ug/L	0.35	1.1	SW 8260B	12/04/2001	aba		1863
Methylene Chloride	L 1.1	ug/L	0.87	3.1	SW 8260B	12/04/2001	aba		1863
Methyl-t-butyl ether	<0.14	ug/L	0.14	0.45	SW 8260B	12/04/2001	aba		1863
Naphthalene	<0.35	ug/L	0.35	1.1	SW 8260B	12/04/2001	aba		1863
n-Propylbenzene	<0.46	ug/L	0.46	1.5	SW 8260B	12/04/2001	aba		1863
Styrene	<0.16	ug/L	0.16	0.51	SW 8260B	12/04/2001	aba		1863
1,1,1,2-Tetrachloroethane	<0.11	ug/L	0.11	0.34	SW 8260B	12/04/2001	aba		1863
1,1,2,2-Tetrachloroethane	<0.39	ug/L	0.39	1.3	SW 8260B	12/04/2001	aba		1863
Tetrachloroethene	2.2	ug/L	0.63	2.0	SW 8260B	12/04/2001	aba		1863
Tetrahydrofuran	<1.9	ug/L	1.9	6.1	SW 8260B	12/04/2001	aba		852
Toluene	<0.39	ug/L	0.39	1.3	SW 8260B	12/04/2001	aba		1863
1,2,3-Trichlorobenzene	<0.32	ug/L	0.32	1.0	SW 8260B	12/04/2001	aba		1863
1,2,4-Trichlorobenzene	<0.18	ug/L	0.18	0.57	SW 8260B	12/04/2001	aba		1863
1,1,1-Trichloroethane	<0.28	ug/L	0.28	0.88	SW 8260B	12/04/2001	aba		1863
1,1,2-Trichloroethane	<0.15	ug/L	0.15	0.46	SW 8260B	12/04/2001	aba		1863
Trichloroethene	3.6	ug/L	0.49	1.6	SW 8260B	12/04/2001	aba		1863
Trichlorofluoromethane	<0.58	ug/L	0.58	1.8	SW 8260B	12/04/2001	aba		1863
1,2,3-Trichloropropane	2.2	ug/L	0.28	0.90	SW 8260B	12/04/2001	aba		1863
1,2,4-Trimethylbenzene	<0.32	ug/L	0.32	1.0	SW 8260B	12/04/2001	aba		1863
1,3,5-Trimethylbenzene	<0.33	ug/L	0.33	1.0	SW 8260B	12/04/2001	aba		1863
Vinyl Chloride	<0.46	ug/L	0.46	1.5	SW 8260B	12/04/2001	aba		1863
Xylenes, Total	<1.1	ug/L	1.1	3.6	SW 8260B	12/04/2001	aba		1863
Surr: Dibromofluoromethane	103.8	%		87-121	SW 8260B	12/04/2001	aba		1863
Surr: Toluene-d8	100.8	%		92-107	SW 8260B	12/04/2001	aba		1863
Surr: Bromofluorobenzene	101.4	%		89-109	SW 8260B	12/04/2001	aba		1863

## ANALYTICAL REPORT

Mr. Steven Smith  
 BT2, INC.  
 2830 Dairy Drive  
 Madison, WI 53704-6751

12/06/2001  
 Job No: 01.09520  
 Sample No: 460731  
 Account No: 10100  
 Page 12 of 24

JOB DESCRIPTION: 1764 Stoughton City Landfill  
 PROJECT DESCRIPTION: Groundwater Analysis  
 SAMPLE DESCRIPTION: 00133864 MW-14D 1764 Stoughton  
 Rec'd on ice

Date/Time Taken: 11/21/2001 11:00

Date Received: 11/26/2001

Parameter	Results	Units	MDL	LOQ	Method	Date		Prep/Run
						Analyzed	Analyst	
VOC - AQUEOUS - EPA 8260B								
Misc VOC Compounds								
Dichlorodifluoromethane	<0.49	ug/L	0.49	1.6	SW 8260B	12/04/2001	aba	1863
Tetrahydrofuran	<1.9	ug/L	1.9	6.1	SW 8260B	12/04/2001	aba	852
Surr: Dibromofluoromethane	104.0	%		87-121	SW 8260B	12/04/2001	aba	1863
Surr: Toluene-d8	100.8	%		92-107	SW 8260B	12/04/2001	aba	1863
Surr: Bromofluorobenzene	101.0	%		89-109	SW 8260B	12/04/2001	aba	1863



## ANALYTICAL REPORT

Mr. Steven Smith  
 BT2, INC.  
 2830 Dairy Drive  
 Madison, WI 53704-6751

12/06/2001  
 Job No: 01.09520  
 Sample No: 460732  
 Account No: 10100  
 Page 13 of 24

JOB DESCRIPTION: 1764 Stoughton City Landfill  
 PROJECT DESCRIPTION: Groundwater Analysis  
 SAMPLE DESCRIPTION: 00133864 MW-14D Dup 1764 Stoughton  
 Rec'd on ice

Date/Time Taken: 11/21/2001 11:00

Date Received: 11/26/2001

Parameter	Results	Units	MDL	LOQ	Method	Date		Prep/Run	
						Analyzed	Analyst	Batch	
VOC - AQUEOUS - EPA 8260B									
Misc VOC Compounds									
Dichlorodifluoromethane	<0.49	ug/L	0.49	1.6	SW 8260B	12/04/2001	aba		1863
Tetrahydrofuran	<1.9	ug/L	1.9	6.1	SW 8260B	12/04/2001	aba		852
Surr: Dibromofluoromethane	101.8	%		87-121	SW 8260B	12/04/2001	aba		1863
Surr: Toluene-d8	100.4	%		92-107	SW 8260B	12/04/2001	aba		1863
Surr: Bromofluorobenzene	101.4	%		89-109	SW 8260B	12/04/2001	aba		1863

## ANALYTICAL REPORT

Mr. Steven Smith  
 BT2, INC.  
 2830 Dairy Drive  
 Madison, WI 53704-6751

12/06/2001  
 Job No: 01.09520  
 Sample No: 460733  
 Account No: 10100  
 Page 14 of 24

JOB DESCRIPTION: 1764 Stoughton City Landfill  
 PROJECT DESCRIPTION: Groundwater Analysis  
 SAMPLE DESCRIPTION: 00133856 MW10S 1764 Stoughton  
 Rec'd on ice

Date/Time Taken: 11/21/2001 11:25

Date Received: 11/26/2001

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Analyst	Prep/Run Batch
VOC - AQUEOUS - EPA 8260B								
Misc VOC Compounds								
Benzene	<0.31	ug/L	0.31	0.98	SW 8260B	12/04/2001	aba	1863
Bromobenzene	<0.20	ug/L	0.20	0.64	SW 8260B	12/04/2001	aba	1863
Bromochloromethane	<0.32	ug/L	0.32	1.0	SW 8260B	12/04/2001	aba	1863
Bromodichloromethane	<0.20	ug/L	0.20	0.63	SW 8260B	12/04/2001	aba	1863
Bromoform	<0.14	ug/L	0.14	0.45	SW 8260B	12/04/2001	aba	1863
Bromomethane	<0.46	ug/L	0.46	1.5	SW 8260B	12/04/2001	aba	1863
n-Butylbenzene	<0.44	ug/L	0.44	1.4	SW 8260B	12/04/2001	aba	1863
sec-Butylbenzene	<0.45	ug/L	0.45	1.4	SW 8260B	12/04/2001	aba	1863
tert-Butylbenzene	<0.38	ug/L	0.38	1.2	SW 8260B	12/04/2001	aba	1863
Carbon Tetrachloride	<0.40	ug/L	0.40	1.3	SW 8260B	12/04/2001	aba	1863
Chlorobenzene	<0.22	ug/L	0.22	0.69	SW 8260B	12/04/2001	aba	1863
Chlorodibromomethane	<0.10	ug/L	0.10	0.33	SW 8260B	12/04/2001	aba	1863
Chloroethane	<1.2	ug/L	1.2	3.9	SW 8260B	12/04/2001	aba	1863
Chloroform	<0.18	ug/L	0.18	0.58	SW 8260B	12/04/2001	aba	1863
Chloromethane	<0.38	ug/L	0.38	1.2	SW 8260B	12/04/2001	aba	1863
2-Chlorotoluene	<0.28	ug/L	0.28	0.90	SW 8260B	12/04/2001	aba	1863
4-Chlorotoluene	<0.47	ug/L	0.47	1.5	SW 8260B	12/04/2001	aba	1863
1,2-Dibromo-3-Chloropropane	<1.4	ug/L	1.4	4.5	SW 8260B	12/04/2001	aba	1863
1,2-Dibromoethane (EDB)	<0.16	ug/L	0.16	0.51	SW 8260B	12/04/2001	aba	1863
Dibromomethane	<0.11	ug/L	0.11	0.36	SW 8260B	12/04/2001	aba	1863
1,2-Dichlorobenzene	<0.20	ug/L	0.20	0.64	SW 8260B	12/04/2001	aba	1863
1,3-Dichlorobenzene	<0.22	ug/L	0.22	0.71	SW 8260B	12/04/2001	aba	1863
1,4-Dichlorobenzene	<0.35	ug/L	0.35	1.1	SW 8260B	12/04/2001	aba	1863
Dichlorodifluoromethane	4.9	ug/L	0.49	1.6	SW 8260B	12/04/2001	aba	1863
1,1-Dichloroethane	<0.25	ug/L	0.25	0.79	SW 8260B	12/04/2001	aba	1863
1,2-Dichloroethane	<0.20	ug/L	0.20	0.63	SW 8260B	12/04/2001	aba	1863
1,1-Dichloroethene	<0.73	ug/L	0.73	2.3	SW 8260B	12/04/2001	aba	1863
cis-1,2-Dichloroethene	<0.23	ug/L	0.23	0.74	SW 8260B	12/04/2001	aba	1863
trans-1,2-Dichloroethene	<0.39	ug/L	0.39	1.2	SW 8260B	12/04/2001	aba	1863
1,2-Dichloropropane	<0.29	ug/L	0.29	0.93	SW 8260B	12/04/2001	aba	1863
1,3-Dichloropropane	<0.15	ug/L	0.15	0.46	SW 8260B	12/04/2001	aba	1863
2,2-Dichloropropane	<0.37	ug/L	0.37	1.2	SW 8260B	12/04/2001	aba	1863
1,1-Dichloropropene	<0.63	ug/L	0.63	2.0	SW 8260B	12/04/2001	aba	1863
cis-1,3-Dichloropropene	<0.17	ug/L	0.17	0.56	SW 8260B	12/04/2001	aba	1863
trans-1,3-Dichloropropene	<0.13	ug/L	0.13	0.42	SW 8260B	12/04/2001	aba	1863
Di-isopropyl ether	<0.13	ug/L	0.13	0.41	SW 8260B	12/04/2001	aba	1863
Ethylbenzene	<0.38	ug/L	0.38	1.2	SW 8260B	12/04/2001	aba	1863

## ANALYTICAL REPORT

Mr. Steven Smith  
 BT2, INC.  
 2830 Dairy Drive  
 Madison, WI 53704-6751

12/06/2001  
 Job No: 01.09520  
 Sample No: 460733  
 Account No: 10100  
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JOB DESCRIPTION: 1764 Stoughton City Landfill  
 PROJECT DESCRIPTION: Groundwater Analysis  
 SAMPLE DESCRIPTION: 00133856 MW10S 1764 Stoughton  
 Rec'd on ice

Date/Time Taken: 11/21/2001 11:25

Date Received: 11/26/2001

Parameter	Results	Units	MDL	LOQ	Method	Date		Prep/Run
						Analyzed	Analyst	Batch
Hexachlorobutadiene	<0.37	ug/L	0.37	1.2	SW 8260B	12/04/2001	aba	1863
Isopropylbenzene	<0.36	ug/L	0.36	1.1	SW 8260B	12/04/2001	aba	1863
p-Isopropyltoluene	<0.35	ug/L	0.35	1.1	SW 8260B	12/04/2001	aba	1863
Methylene Chloride	L 1.4	ug/L	0.87	3.1	SW 8260B	12/04/2001	aba	1863
Methyl-t-butyl ether	<0.14	ug/L	0.14	0.45	SW 8260B	12/04/2001	aba	1863
Naphthalene	<0.35	ug/L	0.35	1.1	SW 8260B	12/04/2001	aba	1863
n-Propylbenzene	<0.46	ug/L	0.46	1.5	SW 8260B	12/04/2001	aba	1863
Styrene	<0.16	ug/L	0.16	0.51	SW 8260B	12/04/2001	aba	1863
1,1,1,2-Tetrachloroethane	<0.11	ug/L	0.11	0.34	SW 8260B	12/04/2001	aba	1863
1,1,2,2-Tetrachloroethane	<0.39	ug/L	0.39	1.3	SW 8260B	12/04/2001	aba	1863
Tetrachloroethene	<0.63	ug/L	0.63	2.0	SW 8260B	12/04/2001	aba	1863
Tetrahydrofuran	<1.9	ug/L	1.9	6.1	SW 8260B	12/04/2001	aba	852
Toluene	<0.39	ug/L	0.39	1.3	SW 8260B	12/04/2001	aba	1863
1,2,3-Trichlorobenzene	<0.32	ug/L	0.32	1.0	SW 8260B	12/04/2001	aba	1863
1,2,4-Trichlorobenzene	<0.18	ug/L	0.18	0.57	SW 8260B	12/04/2001	aba	1863
1,1,1-Trichloroethane	<0.28	ug/L	0.28	0.88	SW 8260B	12/04/2001	aba	1863
1,1,2-Trichloroethane	<0.15	ug/L	0.15	0.46	SW 8260B	12/04/2001	aba	1863
Trichloroethene	<0.49	ug/L	0.49	1.6	SW 8260B	12/04/2001	aba	1863
Trichlorofluoromethane	<0.58	ug/L	0.58	1.8	SW 8260B	12/04/2001	aba	1863
1,2,3-Trichloropropane	<0.28	ug/L	0.28	0.90	SW 8260B	12/04/2001	aba	1863
1,2,4-Trimethylbenzene	<0.32	ug/L	0.32	1.0	SW 8260B	12/04/2001	aba	1863
1,3,5-Trimethylbenzene	<0.33	ug/L	0.33	1.0	SW 8260B	12/04/2001	aba	1863
Vinyl Chloride	<0.46	ug/L	0.46	1.5	SW 8260B	12/04/2001	aba	1863
Xylenes, Total	<1.1	ug/L	1.1	3.6	SW 8260B	12/04/2001	aba	1863
Surr: Dibromofluoromethane	103.6	%		87-121	SW 8260B	12/04/2001	aba	1863
Surr: Toluene-d8	100.2	%		92-107	SW 8260B	12/04/2001	aba	1863
Surr: Bromofluorobenzene	101.4	%		89-109	SW 8260B	12/04/2001	aba	1863

## ANALYTICAL REPORT

Mr. Steven Smith  
 BT2, INC.  
 2830 Dairy Drive  
 Madison, WI 53704-6751

12/06/2001  
 Job No: 01.09520  
 Sample No: 460734  
 Account No: 10100  
 Page 16 of 24

JOB DESCRIPTION: 1764 Stoughton City Landfill  
 PROJECT DESCRIPTION: Groundwater Analysis  
 SAMPLE DESCRIPTION: 00133857 MW10I 1764 Stoughton  
 Rec'd on ice

Date/Time Taken: 11/21/2001 11:35

Date Received: 11/26/2001

Parameter	Results	Units	MDL	LOQ	Method	Date		Prep/Run
						Analyzed	Analyst	Batch
VOC - AQUEOUS - EPA 8260B								
Misc VOC Compounds								
Benzene	<0.31	ug/L	0.31	0.98	SW 8260B	12/04/2001	aba	1863
Bromobenzene	<0.20	ug/L	0.20	0.64	SW 8260B	12/04/2001	aba	1863
Bromochloromethane	<0.32	ug/L	0.32	1.0	SW 8260B	12/04/2001	aba	1863
Bromodichloromethane	<0.20	ug/L	0.20	0.63	SW 8260B	12/04/2001	aba	1863
Bromoform	<0.14	ug/L	0.14	0.45	SW 8260B	12/04/2001	aba	1863
Bromomethane	<0.46	ug/L	0.46	1.5	SW 8260B	12/04/2001	aba	1863
n-Butylbenzene	<0.44	ug/L	0.44	1.4	SW 8260B	12/04/2001	aba	1863
sec-Butylbenzene	<0.45	ug/L	0.45	1.4	SW 8260B	12/04/2001	aba	1863
tert-Butylbenzene	<0.38	ug/L	0.38	1.2	SW 8260B	12/04/2001	aba	1863
Carbon Tetrachloride	<0.40	ug/L	0.40	1.3	SW 8260B	12/04/2001	aba	1863
Chlorobenzene	<0.22	ug/L	0.22	0.69	SW 8260B	12/04/2001	aba	1863
Chlorodibromomethane	<0.10	ug/L	0.10	0.33	SW 8260B	12/04/2001	aba	1863
Chloroethane	<1.2	ug/L	1.2	3.9	SW 8260B	12/04/2001	aba	1863
Chloroform	<0.18	ug/L	0.18	0.58	SW 8260B	12/04/2001	aba	1863
Chloromethane	<0.38	ug/L	0.38	1.2	SW 8260B	12/04/2001	aba	1863
2-Chlorotoluene	<0.28	ug/L	0.28	0.90	SW 8260B	12/04/2001	aba	1863
4-Chlorotoluene	<0.47	ug/L	0.47	1.5	SW 8260B	12/04/2001	aba	1863
1,2-Dibromo-3-Chloropropane	<1.4	ug/L	1.4	4.5	SW 8260B	12/04/2001	aba	1863
1,2-Dibromoethane (EDB)	<0.16	ug/L	0.16	0.51	SW 8260B	12/04/2001	aba	1863
Dibromomethane	<0.11	ug/L	0.11	0.36	SW 8260B	12/04/2001	aba	1863
1,2-Dichlorobenzene	<0.20	ug/L	0.20	0.64	SW 8260B	12/04/2001	aba	1863
1,3-Dichlorobenzene	<0.22	ug/L	0.22	0.71	SW 8260B	12/04/2001	aba	1863
1,4-Dichlorobenzene	<0.35	ug/L	0.35	1.1	SW 8260B	12/04/2001	aba	1863
Dichlorodifluoromethane	110	ug/L	0.49	1.6	SW 8260B	12/04/2001	aba	1863
1,1-Dichloroethane	0.50	ug/L	0.25	0.79	SW 8260B	12/04/2001	aba	1863
1,2-Dichloroethane	<0.20	ug/L	0.20	0.63	SW 8260B	12/04/2001	aba	1863
1,1-Dichloroethene	<0.73	ug/L	0.73	2.3	SW 8260B	12/04/2001	aba	1863
cis-1,2-Dichloroethene	1.6	ug/L	0.23	0.74	SW 8260B	12/04/2001	aba	1863
trans-1,2-Dichloroethene	<0.39	ug/L	0.39	1.2	SW 8260B	12/04/2001	aba	1863
1,2-Dichloropropane	0.31	ug/L	0.29	0.93	SW 8260B	12/04/2001	aba	1863
1,3-Dichloropropane	<0.15	ug/L	0.15	0.46	SW 8260B	12/04/2001	aba	1863
2,2-Dichloropropane	<0.37	ug/L	0.37	1.2	SW 8260B	12/04/2001	aba	1863
1,1-Dichloropropene	<0.63	ug/L	0.63	2.0	SW 8260B	12/04/2001	aba	1863
cis-1,3-Dichloropropene	<0.17	ug/L	0.17	0.56	SW 8260B	12/04/2001	aba	1863
trans-1,3-Dichloropropene	<0.13	ug/L	0.13	0.42	SW 8260B	12/04/2001	aba	1863
Di-isopropyl ether	<0.13	ug/L	0.13	0.41	SW 8260B	12/04/2001	aba	1863
Ethylbenzene	<0.38	ug/L	0.38	1.2	SW 8260B	12/04/2001	aba	1863

## ANALYTICAL REPORT

Mr. Steven Smith  
 BT2, INC.  
 2830 Dairy Drive  
 Madison, WI 53704-6751

12/06/2001  
 Job No: 01.09520  
 Sample No: 460734  
 Account No: 10100  
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JOB DESCRIPTION: 1764 Stoughton City Landfill  
 PROJECT DESCRIPTION: Groundwater Analysis  
 SAMPLE DESCRIPTION: 00133857 MW10I 1764 Stoughton  
 Rec'd on ice

Date/Time Taken: 11/21/2001 11:35

Date Received: 11/26/2001

Parameter	Results	Units	MDL	LOQ	Method	Date		Prep/Run
						Analyzed	Analyst	Batch
Hexachlorobutadiene	<0.37	ug/L	0.37	1.2	SW 8260B	12/04/2001	aba	1863
Isopropylbenzene	<0.36	ug/L	0.36	1.1	SW 8260B	12/04/2001	aba	1863
p-Isopropyltoluene	<0.35	ug/L	0.35	1.1	SW 8260B	12/04/2001	aba	1863
Methylene Chloride	L 2.1	ug/L	0.87	3.1	SW 8260B	12/04/2001	aba	1863
Methyl-t-butyl ether	<0.14	ug/L	0.14	0.45	SW 8260B	12/04/2001	aba	1863
Naphthalene	<0.35	ug/L	0.35	1.1	SW 8260B	12/04/2001	aba	1863
n-Propylbenzene	<0.46	ug/L	0.46	1.5	SW 8260B	12/04/2001	aba	1863
Styrene	<0.16	ug/L	0.16	0.51	SW 8260B	12/04/2001	aba	1863
1,1,1,2-Tetrachloroethane	<0.11	ug/L	0.11	0.34	SW 8260B	12/04/2001	aba	1863
1,1,2,2-Tetrachloroethane	<0.39	ug/L	0.39	1.3	SW 8260B	12/04/2001	aba	1863
Tetrachloroethene	2.1	ug/L	0.63	2.0	SW 8260B	12/04/2001	aba	1863
Tetrahydrofuran	7.0	ug/L	1.9	6.1	SW 8260B	12/04/2001	aba	852
Toluene	<0.39	ug/L	0.39	1.3	SW 8260B	12/04/2001	aba	1863
1,2,3-Trichlorobenzene	<0.32	ug/L	0.32	1.0	SW 8260B	12/04/2001	aba	1863
1,2,4-Trichlorobenzene	<0.18	ug/L	0.18	0.57	SW 8260B	12/04/2001	aba	1863
1,1,1-Trichloroethane	<0.28	ug/L	0.28	0.88	SW 8260B	12/04/2001	aba	1863
1,1,2-Trichloroethane	<0.15	ug/L	0.15	0.46	SW 8260B	12/04/2001	aba	1863
Trichloroethene	1.4	ug/L	0.49	1.6	SW 8260B	12/04/2001	aba	1863
Trichlorofluoromethane	1.3	ug/L	0.58	1.8	SW 8260B	12/04/2001	aba	1863
1,2,3-Trichloropropane	0.28	ug/L	0.28	0.90	SW 8260B	12/04/2001	aba	1863
1,2,4-Trimethylbenzene	<0.32	ug/L	0.32	1.0	SW 8260B	12/04/2001	aba	1863
1,3,5-Trimethylbenzene	<0.33	ug/L	0.33	1.0	SW 8260B	12/04/2001	aba	1863
Vinyl Chloride	0.62	ug/L	0.46	1.5	SW 8260B	12/04/2001	aba	1863
Xylenes, Total	<1.1	ug/L	1.1	3.6	SW 8260B	12/04/2001	aba	1863
Surr: Dibromofluoromethane	100.2	%		87-121	SW 8260B	12/04/2001	aba	1863
Surr: Toluene-d8	100.2	%		92-107	SW 8260B	12/04/2001	aba	1863
Surr: Bromofluorobenzene	101.8	%		89-109	SW 8260B	12/04/2001	aba	1863

## ANALYTICAL REPORT

Mr. Steven Smith  
BT2, INC.  
2830 Dairy Drive  
Madison, WI 53704-6751

12/06/2001  
Job No: 01.09520  
Sample No: 460735  
Account No: 10100  
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JOB DESCRIPTION: 1764 Stoughton City Landfill  
PROJECT DESCRIPTION: Groundwater Analysis  
SAMPLE DESCRIPTION: 00133858 MW10D 1764 Stoughton  
Rec'd on ice

Date/Time Taken: 11/21/2001 12:05

Date Received: 11/26/2001

Parameter	Results	Units	MDL	LOQ	Method	Date		Prep/Run	
						Analyzed	Analyst	Batch	Batch
VOC - AQUEOUS - EPA 8260B									
Misc VOC Compounds									
Dichlorodifluoromethane	<0.49	ug/L	0.49	1.6	SW 8260B	12/04/2001	aba	1863	1863
Tetrahydrofuran	<1.9	ug/L	1.9	6.1	SW 8260B	12/04/2001	aba	852	852
Surr: Dibromofluoromethane	101.8	%		87-121	SW 8260B	12/04/2001	aba	1863	1863
Surr: Toluene-d8	101.4	%		92-107	SW 8260B	12/04/2001	aba	1863	1863
Surr: Bromofluorobenzene	101.8	%		89-109	SW 8260B	12/04/2001	aba	1863	1863

## ANALYTICAL REPORT

Mr. Steven Smith  
 BT2, INC.  
 2830 Dairy Drive  
 Madison, WI 53704-6751

12/06/2001  
 Job No: 01.09520  
 Sample No: 460736  
 Account No: 10100  
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JOB DESCRIPTION: 1764 Stoughton City Landfill  
 PROJECT DESCRIPTION: Groundwater Analysis  
 SAMPLE DESCRIPTION: 00133997 Field Blank 1764 Stoughton  
 Rec'd on ice

Date/Time Taken: 11/21/2001 11:10

Date Received: 11/26/2001

Parameter	Results	Units	MDL	LOQ	Method	Date		Prep/Run
						Analyzed	Analyst	Batch
VOC - AQUEOUS - EPA 8260B								
Misc VOC Compounds								
Benzene	<0.31	ug/L	0.31	0.98	SW 8260B	12/04/2001	aba	1863
Bromobenzene	<0.20	ug/L	0.20	0.64	SW 8260B	12/04/2001	aba	1863
Bromochloromethane	<0.32	ug/L	0.32	1.0	SW 8260B	12/04/2001	aba	1863
Bromodichloromethane	0.27	ug/L	0.20	0.63	SW 8260B	12/04/2001	aba	1863
Bromoform	0.32	ug/L	0.14	0.45	SW 8260B	12/04/2001	aba	1863
Bromomethane	<0.46	ug/L	0.46	1.5	SW 8260B	12/04/2001	aba	1863
n-Butylbenzene	<0.44	ug/L	0.44	1.4	SW 8260B	12/04/2001	aba	1863
sec-Butylbenzene	<0.45	ug/L	0.45	1.4	SW 8260B	12/04/2001	aba	1863
tert-Butylbenzene	<0.38	ug/L	0.38	1.2	SW 8260B	12/04/2001	aba	1863
Carbon Tetrachloride	<0.40	ug/L	0.40	1.3	SW 8260B	12/04/2001	aba	1863
Chlorobenzene	<0.22	ug/L	0.22	0.69	SW 8260B	12/04/2001	aba	1863
Chlorodibromomethane	0.43	ug/L	0.10	0.33	SW 8260B	12/04/2001	aba	1863
Chloroethane	<1.2	ug/L	1.2	3.9	SW 8260B	12/04/2001	aba	1863
Chloroform	<0.18	ug/L	0.18	0.58	SW 8260B	12/04/2001	aba	1863
Chloromethane	<0.38	ug/L	0.38	1.2	SW 8260B	12/04/2001	aba	1863
2-Chlorotoluene	<0.28	ug/L	0.28	0.90	SW 8260B	12/04/2001	aba	1863
4-Chlorotoluene	<0.47	ug/L	0.47	1.5	SW 8260B	12/04/2001	aba	1863
1,2-Dibromo-3-Chloropropane	<1.4	ug/L	1.4	4.5	SW 8260B	12/04/2001	aba	1863
1,2-Dibromoethane (EDB)	<0.16	ug/L	0.16	0.51	SW 8260B	12/04/2001	aba	1863
Dibromomethane	<0.11	ug/L	0.11	0.36	SW 8260B	12/04/2001	aba	1863
1,2-Dichlorobenzene	<0.20	ug/L	0.20	0.64	SW 8260B	12/04/2001	aba	1863
1,3-Dichlorobenzene	<0.22	ug/L	0.22	0.71	SW 8260B	12/04/2001	aba	1863
1,4-Dichlorobenzene	<0.35	ug/L	0.35	1.1	SW 8260B	12/04/2001	aba	1863
Dichlorodifluoromethane	<0.49	ug/L	0.49	1.6	SW 8260B	12/04/2001	aba	1863
1,1-Dichloroethane	<0.25	ug/L	0.25	0.79	SW 8260B	12/04/2001	aba	1863
1,2-Dichloroethane	<0.20	ug/L	0.20	0.63	SW 8260B	12/04/2001	aba	1863
1,1-Dichloroethene	<0.73	ug/L	0.73	2.3	SW 8260B	12/04/2001	aba	1863
cis-1,2-Dichloroethene	<0.23	ug/L	0.23	0.74	SW 8260B	12/04/2001	aba	1863
trans-1,2-Dichloroethene	<0.39	ug/L	0.39	1.2	SW 8260B	12/04/2001	aba	1863
1,2-Dichloropropane	<0.29	ug/L	0.29	0.93	SW 8260B	12/04/2001	aba	1863
1,3-Dichloropropane	<0.15	ug/L	0.15	0.46	SW 8260B	12/04/2001	aba	1863
2,2-Dichloropropane	<0.37	ug/L	0.37	1.2	SW 8260B	12/04/2001	aba	1863
1,1-Dichloropropene	<0.63	ug/L	0.63	2.0	SW 8260B	12/04/2001	aba	1863
cis-1,3-Dichloropropene	<0.17	ug/L	0.17	0.56	SW 8260B	12/04/2001	aba	1863
trans-1,3-Dichloropropene	<0.13	ug/L	0.13	0.42	SW 8260B	12/04/2001	aba	1863
Di-isopropyl ether	<0.13	ug/L	0.13	0.41	SW 8260B	12/04/2001	aba	1863
Ethylbenzene	<0.38	ug/L	0.38	1.2	SW 8260B	12/04/2001	aba	1863

## ANALYTICAL REPORT

Mr. Steven Smith  
 BT2, INC.  
 2830 Dairy Drive  
 Madison, WI 53704-6751

12/06/2001  
 Job No: 01.09520  
 Sample No: 460736  
 Account No: 10100  
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JOB DESCRIPTION: 1764 Stoughton City Landfill  
 PROJECT DESCRIPTION: Groundwater Analysis  
 SAMPLE DESCRIPTION: 00133997 Field Blank 1764 Stoughton  
 Rec'd on ice

Date/Time Taken: 11/21/2001 11:10

Date Received: 11/26/2001

Parameter	Results	Units	MDL	LOQ	Method	Date		Prep/Run
						Analyzed	Analyst	
Hexachlorobutadiene	<0.37	ug/L	0.37	1.2	SW 8260B	12/04/2001	aba	1863
Isopropylbenzene	<0.36	ug/L	0.36	1.1	SW 8260B	12/04/2001	aba	1863
p-Isopropyltoluene	<0.35	ug/L	0.35	1.1	SW 8260B	12/04/2001	aba	1863
Methylene Chloride	L 0.99	ug/L	0.87	3.1	SW 8260B	12/04/2001	aba	1863
Methyl-t-butyl ether	<0.14	ug/L	0.14	0.45	SW 8260B	12/04/2001	aba	1863
Naphthalene	<0.35	ug/L	0.35	1.1	SW 8260B	12/04/2001	aba	1863
n-Propylbenzene	<0.46	ug/L	0.46	1.5	SW 8260B	12/04/2001	aba	1863
Styrene	<0.16	ug/L	0.16	0.51	SW 8260B	12/04/2001	aba	1863
1,1,1,2-Tetrachloroethane	<0.11	ug/L	0.11	0.34	SW 8260B	12/04/2001	aba	1863
1,1,2,2-Tetrachloroethane	<0.39	ug/L	0.39	1.3	SW 8260B	12/04/2001	aba	1863
Tetrachloroethene	<0.63	ug/L	0.63	2.0	SW 8260B	12/04/2001	aba	1863
Tetrahydrofuran	<1.9	ug/L	1.9	6.1	SW 8260B	12/04/2001	aba	852
Toluene	<0.39	ug/L	0.39	1.3	SW 8260B	12/04/2001	aba	1863
1,2,3-Trichlorobenzene	<0.32	ug/L	0.32	1.0	SW 8260B	12/04/2001	aba	1863
1,2,4-Trichlorobenzene	<0.18	ug/L	0.18	0.57	SW 8260B	12/04/2001	aba	1863
1,1,1-Trichloroethane	<0.28	ug/L	0.28	0.88	SW 8260B	12/04/2001	aba	1863
1,1,2-Trichloroethane	<0.15	ug/L	0.15	0.46	SW 8260B	12/04/2001	aba	1863
Trichloroethene	<0.49	ug/L	0.49	1.6	SW 8260B	12/04/2001	aba	1863
Trichlorofluoromethane	<0.58	ug/L	0.58	1.8	SW 8260B	12/04/2001	aba	1863
1,2,3-Trichloropropane	<0.28	ug/L	0.28	0.90	SW 8260B	12/04/2001	aba	1863
1,2,4-Trimethylbenzene	<0.32	ug/L	0.32	1.0	SW 8260B	12/04/2001	aba	1863
1,3,5-Trimethylbenzene	<0.33	ug/L	0.33	1.0	SW 8260B	12/04/2001	aba	1863
Vinyl Chloride	<0.46	ug/L	0.46	1.5	SW 8260B	12/04/2001	aba	1863
Xylenes, Total	<1.1	ug/L	1.1	3.6	SW 8260B	12/04/2001	aba	1863
Surr: Dibromofluoromethane	99.8	%		87-121	SW 8260B	12/04/2001	aba	1863
Surr: Toluene-d8	99.4	%		92-107	SW 8260B	12/04/2001	aba	1863
Surr: Bromofluorobenzene	101.0	%		89-109	SW 8260B	12/04/2001	aba	1863



## QUALITY CONTROL REPORT

### BLANKS

Mr. Steven Smith  
 BT2, INC.  
 2830 Dairy Drive  
 Madison, WI 53704-6751

12/06/2001

Job No: 01.09520  
 Account No: 10100

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Job Description: 1764 Stoughton City Landfill

Parameter	Prep Batch	Run Batch	Blank Result	MDL	LOQ	Units
VOC - AQUEOUS - EPA 8260B						
Benzene		1856	<0.31	0.31	0.98	ug/L
Bromobenzene		1856	<0.20	0.20	0.64	ug/L
Bromochloromethane		1856	<0.32	0.32	1.0	ug/L
Bromodichloromethane		1856	<0.20	0.20	0.63	ug/L
Bromoform		1856	<0.14	0.14	0.45	ug/L
Bromomethane		1856	<0.46	0.46	1.5	ug/L
n-Butylbenzene		1856	<0.44	0.44	1.4	ug/L
sec-Butylbenzene		1856	<0.45	0.45	1.4	ug/L
tert-Butylbenzene		1856	<0.38	0.38	1.2	ug/L
Carbon Tetrachloride		1856	<0.40	0.40	1.3	ug/L
Chlorobenzene		1856	<0.22	0.22	0.69	ug/L
Chlorodibromomethane		1856	<0.10	0.10	0.33	ug/L
Chloroethane		1856	<1.2	1.2	3.9	ug/L
Chloroform		1856	<0.18	0.18	0.58	ug/L
Chloromethane		1856	<0.38	0.38	1.2	ug/L
2-Chlorotoluene		1856	<0.28	0.28	0.90	ug/L
4-Chlorotoluene		1856	<0.47	0.47	1.5	ug/L
1,2-Dibromo-3-Chloropropane		1856	<1.4	1.4	4.5	ug/L
1,2-Dibromoethane (EDB)		1856	<0.16	0.16	0.51	ug/L
Dibromomethane		1856	<0.11	0.11	0.36	ug/L
1,2-Dichlorobenzene		1856	<0.20	0.20	0.64	ug/L
1,3-Dichlorobenzene		1856	<0.22	0.22	0.71	ug/L
1,4-Dichlorobenzene		1856	<0.35	0.35	1.1	ug/L
Dichlorodifluoromethane		1856	<0.49	0.49	1.6	ug/L
1,1-Dichloroethane		1856	<0.25	0.25	0.79	ug/L
1,2-Dichloroethane		1856	<0.20	0.20	0.63	ug/L
1,1-Dichloroethene		1856	<0.73	0.73	2.3	ug/L
cis-1,2-Dichloroethene		1856	<0.23	0.23	0.74	ug/L
trans-1,2-Dichloroethene		1856	<0.39	0.39	1.2	ug/L
1,2-Dichloropropane		1856	<0.29	0.29	0.93	ug/L
1,3-Dichloropropane		1856	<0.15	0.15	0.46	ug/L
2,2-Dichloropropane		1856	<0.37	0.37	1.2	ug/L
1,1-Dichloropropene		1856	<0.63	0.63	2.0	ug/L
cis-1,3-Dichloropropene		1856	<0.17	0.17	0.56	ug/L
trans-1,3-Dichloropropene		1856	<0.13	0.13	0.42	ug/L
Di-isopropyl ether		1856	<0.13	0.13	0.41	ug/L

Method blank results exceed control limits when results are higher than the highest of any of the following: 1 - The limit of detection; 2 - Five percent of the regulatory limit for that analyte; 3 - Five percent of the measured concentration in the sample. NR149.14 (3)d

## QUALITY CONTROL REPORT

### BLANKS

12/06/2001

Mr. Steven Smith  
BT2, INC.  
2830 Dairy Drive  
Madison, WI 53704-6751

Job No: 01.09520  
Account No: 10100

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Job Description: 1764 Stoughton City Landfill

Parameter	Prep Batch	Run Batch	Blank Result	MDL	LOQ	Units
Ethylbenzene		1856	<0.38	0.38	1.2	ug/L
Hexachlorobutadiene		1856	<0.37	0.37	1.2	ug/L
Isopropylbenzene		1856	<0.36	0.36	1.1	ug/L
p-Isopropyltoluene		1856	<0.35	0.35	1.1	ug/L
Methylene Chloride		1856	<0.87	0.87	3.1	ug/L
Methyl-t-butyl ether		1856	<0.14	0.14	0.45	ug/L
Naphthalene		1856	<0.35	0.35	1.1	ug/L
n-Propylbenzene		1856	<0.46	0.46	1.5	ug/L
Styrene		1856	<0.16	0.16	0.51	ug/L
1,1,1,2-Tetrachloroethane		1856	<0.11	0.11	0.34	ug/L
1,1,2,2-Tetrachloroethane		1856	<0.39	0.39	1.3	ug/L
Tetrachloroethene		1856	<0.63	0.63	2.0	ug/L
Toluene		1856	<0.39	0.39	1.3	ug/L
1,2,3-Trichlorobenzene		1856	<0.32	0.32	1.0	ug/L
1,2,4-Trichlorobenzene		1856	<0.18	0.18	0.57	ug/L
1,1,1-Trichloroethane		1856	<0.28	0.28	0.88	ug/L
1,1,2-Trichloroethane		1856	<0.15	0.15	0.46	ug/L
Trichloroethene		1856	<0.49	0.49	1.6	ug/L
Trichlorofluoromethane		1856	<0.58	0.58	1.8	ug/L
1,2,3-Trichloropropane		1856	<0.28	0.28	0.90	ug/L
1,2,4-Trimethylbenzene		1856	<0.32	0.32	1.0	ug/L
1,3,5-Trimethylbenzene		1856	<0.33	0.33	1.0	ug/L
Vinyl Chloride		1856	<0.46	0.46	1.5	ug/L
Xylenes, Total		1856	<1.1	1.1	3.6	ug/L
Surr: Dibromofluoromethane		1856	101.6		87-121	%
Surr: Toluene-d8		1856	101.0		92-107	%
Surr: Bromofluorobenzene		1856	97.0		89-109	%
VOC - AQUEOUS - EPA 8260B						
Benzene		1863	<0.31	0.31	0.98	ug/L
Bromobenzene		1863	<0.20	0.20	0.64	ug/L
Bromochloromethane		1863	<0.32	0.32	1.0	ug/L
Bromodichloromethane		1863	<0.20	0.20	0.63	ug/L
Bromoform		1863	<0.14	0.14	0.45	ug/L
Bromomethane		1863	<0.46	0.46	1.5	ug/L
n-Butylbenzene		1863	<0.44	0.44	1.4	ug/L
sec-Butylbenzene		1863	<0.45	0.45	1.4	ug/L
tert-Butylbenzene		1863	<0.38	0.38	1.2	ug/L

Method blank results exceed control limits when results are higher than the highest of any of the following: 1 - The limit of detection; 2 - Five percent of the regulatory limit for that analyte; 3 - Five percent of the measured concentration in the sample. NR149.14 (3)d

## QUALITY CONTROL REPORT BLANKS

12/06/2001

Mr. Steven Smith  
BT2, INC.  
2830 Dairy Drive  
Madison, WI 53704-6751

Job No: 01.09520  
Account No: 10100

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Job Description: 1764 Stoughton City Landfill

Parameter	Prep Batch	Run Batch	Blank Result	MDL	LOQ	Units
Carbon Tetrachloride		1863	<0.40	0.40	1.3	ug/L
Chlorobenzene		1863	<0.22	0.22	0.69	ug/L
Chlorodibromomethane		1863	<0.10	0.10	0.33	ug/L
Chloroethane		1863	<1.2	1.2	3.9	ug/L
Chloroform		1863	<0.18	0.18	0.58	ug/L
Chloromethane		1863	<0.38	0.38	1.2	ug/L
2-Chlorotoluene		1863	<0.28	0.28	0.90	ug/L
4-Chlorotoluene		1863	<0.47	0.47	1.5	ug/L
1,2-Dibromo-3-Chloropropane		1863	<1.4	1.4	4.5	ug/L
1,2-Dibromoethane (EDB)		1863	<0.16	0.16	0.51	ug/L
Dibromomethane		1863	<0.11	0.11	0.36	ug/L
1,2-Dichlorobenzene		1863	<0.20	0.20	0.64	ug/L
1,3-Dichlorobenzene		1863	<0.22	0.22	0.71	ug/L
1,4-Dichlorobenzene		1863	<0.35	0.35	1.1	ug/L
Dichlorodifluoromethane		1863	<0.49	0.49	1.6	ug/L
1,1-Dichloroethane		1863	<0.25	0.25	0.79	ug/L
1,2-Dichloroethane		1863	<0.20	0.20	0.63	ug/L
1,1-Dichloroethene		1863	<0.73	0.73	2.3	ug/L
cis-1,2-Dichloroethene		1863	<0.23	0.23	0.74	ug/L
trans-1,2-Dichloroethene		1863	<0.39	0.39	1.2	ug/L
1,2-Dichloropropane		1863	<0.29	0.29	0.93	ug/L
1,3-Dichloropropane		1863	<0.15	0.15	0.46	ug/L
2,2-Dichloropropane		1863	<0.37	0.37	1.2	ug/L
1,1-Dichloropropene		1863	<0.63	0.63	2.0	ug/L
cis-1,3-Dichloropropene		1863	<0.17	0.17	0.56	ug/L
trans-1,3-Dichloropropene		1863	<0.13	0.13	0.42	ug/L
Di-isopropyl ether		1863	<0.13	0.13	0.41	ug/L
Ethylbenzene		1863	<0.38	0.38	1.2	ug/L
Hexachlorobutadiene		1863	<0.37	0.37	1.2	ug/L
Isopropylbenzene		1863	<0.36	0.36	1.1	ug/L
p-Isopropyltoluene		1863	<0.35	0.35	1.1	ug/L
Methylene Chloride		1863	1.03	0.87	3.1	ug/L
Methyl-t-butyl ether		1863	<0.14	0.14	0.45	ug/L
Naphthalene		1863	<0.35	0.35	1.1	ug/L
n-Propylbenzene		1863	<0.46	0.46	1.5	ug/L
Styrene		1863	<0.16	0.16	0.51	ug/L
1,1,1,2-Tetrachloroethane		1863	<0.11	0.11	0.34	ug/L

Method blank results exceed control limits when results are higher than the highest of any of the following: 1 - The limit of detection; 2 - Five percent of the regulatory limit for that analyte; 3 - Five percent of the measured concentration in the sample. NR149.14 (3)d

## QUALITY CONTROL REPORT

### BLANKS

12/06/2001

Mr. Steven Smith  
 BT2, INC.  
 2830 Dairy Drive  
 Madison, WI 53704-6751

Job No: 01.09520  
 Account No: 10100

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Job Description: 1764 Stoughton City Landfill

Parameter	Prep Batch	Run Batch	Blank Result	MDL	LOQ	Units
1,1,2,2-Tetrachloroethane		1863	<0.39	0.39	1.3	ug/L
Tetrachloroethene		1863	<0.63	0.63	2.0	ug/L
Toluene		1863	<0.39	0.39	1.3	ug/L
1,2,3-Trichlorobenzene		1863	<0.32	0.32	1.0	ug/L
1,2,4-Trichlorobenzene		1863	<0.18	0.18	0.57	ug/L
1,1,1-Trichloroethane		1863	<0.28	0.28	0.88	ug/L
1,1,2-Trichloroethane		1863	<0.15	0.15	0.46	ug/L
Trichloroethene		1863	<0.49	0.49	1.6	ug/L
Trichlorofluoromethane		1863	<0.58	0.58	1.8	ug/L
1,2,3-Trichloropropane		1863	<0.28	0.28	0.90	ug/L
1,2,4-Trimethylbenzene		1863	<0.32	0.32	1.0	ug/L
1,3,5-Trimethylbenzene		1863	<0.33	0.33	1.0	ug/L
Vinyl Chloride		1863	<0.46	0.46	1.5	ug/L
Xylenes, Total		1863	<1.1	1.1	3.6	ug/L
Surr: Dibromofluoromethane		1863	100.2		87-121	%
Surr: Toluene-d8		1863	102.2		92-107	%
Surr: Bromofluorobenzene		1863	97.0		89-109	%
VOC - AQUEOUS - EPA 8260B						
Dichlorodifluoromethane		1866	<0.49	0.49	1.6	ug/L
Misc VOC Compounds						
Tetrahydrofuran		850	<1.9	1.9	6.1	ug/L
Misc VOC Compounds						
Tetrahydrofuran		852	<1.9	1.9	6.1	ug/L

Method blank results exceed control limits when results are higher than the highest of any of the following: 1 - The limit of detection; 2 - Five percent of the regulatory limit for that analyte; 3 - Five percent of the measured concentration in the sample. NR149.14 (3)d

**ATTACHMENT B**



February 26, 2002

Ms. Kathy Thompson  
Wisconsin Department of Natural Resources  
101 South Webster Street SW/3  
P.O. Box 7921  
Madison, WI 53707-7921



**SUBJECT: Environmental Monitoring Data Certification Form  
Stoughton City Landfill  
FID # 113005950 - License #133  
BT² Project #1764**

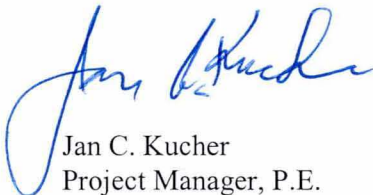
Dear Ms. Thompson:

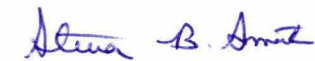
I have enclosed the Environmental Monitoring Data Certification Form along with the exceedance notification and data disk for the Stoughton City Landfill site for the November 2001 sampling event.

A copy of the Environmental Monitoring Data Certification Form along with the exceedance notification will also be sent to the WDNR Regional Office, attention to Mr. Mike Schmoller.

Please call us if you have any questions at (608) 224-2830.

Sincerely,  
BT², Inc.

  
Jan C. Kucher  
Project Manager, P.E.

  
Steven B. Smith  
Environmental Specialist

Attachment: Exceedance Notification  
November 2001 Data Disk

E:\1764\020218kt.wpd

Attachment 5  
GROUNDWATER MONITORING DATA CERTIFICATION

Note: Two data certification pages and two copies of any exceedance notification and explanation must be prepared for each license number included on the diskette. One copy of each must be mailed to the WDNR Central Office with the diskette, the second copies must be mailed to the WDNR Regional Office for the region in which the facility is located.

Check here to indicate that a copy of this page (and a copy of the exceedance notification letter, if any) was mailed to the DNR Regional Office.

The enclosed diskette contains data for the following facility or facilities:

<u>License No.</u>	<u>Facility ID No.</u>	<u>Facility Name</u>	<u>Sample Results for Month(s) of:</u>
133	113005950	Stoughton City Landfill	November 2001

Check one of the following:

- An exceedance notification and explanation *is attached*.  
 An exceedance notification *is not attached* because there are no exceedances to report.

To the best of my knowledge, the information reported and the statements made on this diskette and enclosures are true and correct. *Furthermore, per ss. NR 140.24(1)(a) and 507.30, Wis. Adm. Code, I have attached notification of enforcement standard, preventive action limit, or alternative concentration limit exceedances, if any, which includes a list of the wells at which the exceedances occurred and a preliminary analysis of the cause and significance of the concentration.*

Steve B. Arnold  
Signature

2/18/02  
Date

Environmental Specialist  
Title

# NR 140 Exceedance Summary (By Well)

Site ID: 133  
 Site Name: Stoughton City Landfill  
 Reporting Period: October 2001

Well	Parameter	Result	PAL	ES	Exceedance Type
MW10I	Dichloromethane (ug/l)	2.1 JB	0.5	5	PAL
	Tetrachloroethylene (ug/l)	2.1	0.5	5	PAL
	Trichloroethylene (ug/l)	1.4 J	0.5	5	PAL
	Vinyl chloride (ug/l)	0.62 J	0.02	0.2	ES
MW10S	Dichloromethane (ug/l)	1.4 JB	0.5	5	PAL
MW13I	Tetrahydrofuran (ug/l)	22	10	50	PAL
MW14I	Dichloromethane (ug/l)	1.1 JB	0.5	5	PAL
	Tetrachloroethylene (ug/l)	2.2	0.5	5	PAL
	Trichloroethylene (ug/l)	3.6	0.5	5	PAL
MW14S	Dichloromethane (ug/l)	1.2 JB	0.5	5	PAL
	Tetrachloroethylene (ug/l)	6.5	0.5	5	ES
	Trichloroethylene (ug/l)	5.6	0.5	5	ES
MW15D	Dichloromethane (ug/l)	1.9 JB	0.5	5	PAL
MW3D	Dichloromethane (ug/l)	1 B	0.5	5	PAL
	Tetrahydrofuran (ug/l)	70 B	10	50	ES
MW4D	Dichloromethane (ug/l)	2.2 JB	0.5	5	PAL
MW5D	Dichloromethane (ug/l)	1.9 B	0.5	5	PAL
	Dichloromethane (ug/l)	1.9 B	0.5	5	PAL
MW7B	Dichloromethane (ug/l)	2.2 JB	0.5	5	PAL
MW9B	Dichloromethane (ug/l)	1.9 B	0.5	5	PAL
MW9I	Dichloromethane (ug/l)	1.9 B	0.5	5	PAL
	Tetrahydrofuran (ug/l)	12 B	10	50	PAL
	Trichloroethylene (ug/l)	1.1	0.5	5	PAL
MW9S	Benzene (ug/l)	0.59	0.5	5	PAL
	Dichloromethane (ug/l)	1.8 B	0.5	5	PAL
	Tetrahydrofuran (ug/l)	20 B	10	50	PAL
	Trichloroethylene (ug/l)	0.54 J	0.5	5	PAL

- J Result is an estimated value below the laboratory's limit of quantitation.
- B Compound detected in QC blank.
- P Did not meet required preservation or hold time.
- M Failed method QC check.
- \* PAL or ES is Alternative Concentration Limit.



# NR 140 Exceedance Summary (By Parameter)

Site ID: 133  
 Site Name: Stoughton City Landfill  
 Reporting Period: October 2001

Parameter	Well	Result	PAL	ES	Exceedance Type
Benzene (ug/l)	MW9S	0.59	0.5	5	PAL
Dichloromethane (ug/l)	MW10I	2.1 JB	0.5	5	PAL
	MW10S	1.4 JB	0.5	5	PAL
	MW14I	1.1 JB	0.5	5	PAL
	MW14S	1.2 JB	0.5	5	PAL
	MW15D	1.9 JB	0.5	5	PAL
	MW3D	1 B	0.5	5	PAL
	MW4D	2.2 JB	0.5	5	PAL
	MW5D	1.9 B	0.5	5	PAL
	MW5D	1.9 B	0.5	5	PAL
	MW7B	2.2 JB	0.5	5	PAL
	MW9B	1.9 B	0.5	5	PAL
	MW9I	1.9 B	0.5	5	PAL
	MW9S	1.8 B	0.5	5	PAL
Tetrachloroethylene (ug/l)	MW10I	2.1	0.5	5	PAL
	MW14I	2.2	0.5	5	PAL
	MW14S	6.5	0.5	5	ES
Tetrahydrofuran (ug/l)	MW13I	22	10	50	PAL
	MW3D	70 B	10	50	ES
	MW9I	12 B	10	50	PAL
	MW9S	20 B	10	50	PAL
Trichloroethylene (ug/l)	MW10I	1.4 J	0.5	5	PAL
	MW14I	3.6	0.5	5	PAL
	MW14S	5.6	0.5	5	ES
	MW9I	1.1	0.5	5	PAL
	MW9S	0.54 J	0.5	5	PAL
Vinyl chloride (ug/l)	MW10I	0.62 J	0.02	0.2	ES

- J Result is an estimated value below the laboratory's limit of quantitation.
- B Compound detected in blank.
- P Did not meet required preservation and/or hold time.
- M Failed method QC check.
- \* PAL or ES is an Alternative Concentration Limit.