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June 24, 2004

Naval Activity Puerto Rico
Public Works Department
Building 31, 2nd Floor TMD
Ceiba, PR 00735

Attn: Ms. Madeline Rivera
Program Manager

Re: Contract N62470-03-D-4007
Task Order (TO) 0010
Naval Activity Puerto Rico
Draft Semi-Annual Groundwater Monitoring Report
March 2004 Sampling Event, Base Landfill

Dear Ms. Rivera:

Baker Environmental, Inc. (Baker), is providing you with three copies and 1 electronic copy of the Draft Semi-Annual Groundwater Monitoring Report, September 2003 Sampling Event, Base Landfill. Two copies of this document are being provided to you for your submission to PREQB and Mr. Tim Gordon at USEPA Region II. Baker will address any comments received on this document and submit a Final Report after receipt of all comments.

If you have questions regarding this submittal, please contact me at (412) 269-2009. Additional distribution has been made as indicated below.

Sincerely,

BAKER ENVIRONMENTAL, INC.

Mark E. Kimes, P.E.
Activity Manager

clh
Attachments

cc: Mr. Kevin R. Cloe, LANTDIV – Code EV23KC (1 copy & 1 CD)
Ms. Lubertia S. Dailey, LANTDIV – Code AQ131 LSD (letter only via e-mail)
Mr. John Thomas, Cape Environmental Management, Inc. (1 copy & 1 CD)

ChallengeUs.

DRAFT
SEMI-ANNUAL GROUNDWATER MONITORING REPORT
MARCH 2004 SAMPLING EVENT
BASE LANDFILL
NAVAL ACTIVITY PUERTO RICO, CEIBA, PUERTO RICO

CONTRACT N62470-03-D-4007
TASK ORDER 0010

Prepared For:

Naval Facilities Engineering Command
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June 24, 2004

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ACRONYMS AND ABBREVIATIONS

Baker	Baker Environmental, Inc.
CRQL	Contract Required Quantitation Limits
EPA	United States Environmental Protection Agency
ft/day	feet per day
ft/ft	feet per foot
LANTDIV	Naval Facilities Engineering Command, Atlantic Division
MCL	Maximum Contaminant Level
mg/L	milligrams per liter
msl	mean sea level
NAPR	Naval Activity Puerto Rico
NSRR	Naval Station Roosevelt Roads
PVC	polyvinyl chloride
QA	Quality Assurance
RBC	Risk Based Concentration
SAP	Sampling and Analysis Plan
VOC	Volatile Organic Compound

1.0 INTRODUCTION

This Semi-Annual Groundwater Monitoring Report has been prepared by Baker Environmental, Inc. (Baker) under Cape Environmental, Inc. Task Order 10 to contract N62470-03-D-4007, Indefinite Quantity Contract for Environmental Services for Naval Activities under the Atlantic Division, Naval Facilities Engineering Command (LANTDIV). This report has been prepared to present results of the March 2004 Semi-Annual Groundwater Monitoring Sampling at Naval Station Roosevelt Roads (NSRR) Solid Waste Landfill. It should be noted that NSRR has undergone operational closure as of 31 March 2004 and has been designated as Naval Activity Puerto Rico (NAPR). NAPR will continue until the real estate disposal/transfer is completed.

1.1 Purpose of Sampling

The Solid Waste Landfill Facility at NAPR has been in operation since the mid- 1960s on approximately 85 acres of land in the southeastern area of the base. The active landfill is approximately 30 acres and is located within the limits of the inactive 85-acre landfill. It is positioned on a peninsula bounded by Ensenada Honda to the west and Puerca Bay the south and east. A site map is provided in Figure 1-1.

Continued use of this landfill required implementation of a Groundwater Sampling and Analysis Plan (SAP). Monitor wells were installed and background sampling at the facility was performed from June 1998 through August 2000 in nine wells. These results were presented in the Background Groundwater Monitoring Report submitted by Burns and McDonnell (2001).

Subsequent to the background sampling events, replacement of six wells was performed by Baker to restore the integrity of the wells for compliance sampling. Three existing wells were retained for compliance sampling including R7GW09, R7GW10, and R7GW11. Four rounds of semi-annual compliance sampling have been performed on these wells (new and existing) in March 2002, September 2002, March 2003, and September 2003 with results presented in the Draft Semi-Annual Groundwater Monitoring Reports (Baker, 2002, 2003a, 2003b, 2004). The fifth round of semi-annual compliance sampling was performed on all nine monitor wells in March 2004 with results provided in this document.

On September 25, 2003, subsequent to the previous sampling event, monitoring well R7GW07R was re-installed due to the root growth within the well. This new well was designated

R7GW07R2, and sampling of this well commenced with the March 2004 sampling event. The boring log and well construction diagram are provided in this report in Appendix A.

1.2 Background Concentrations

Prior to the initiation of compliance round sampling, the background groundwater concentrations of parameters on the Appendix I volatile organic compounds (VOCs) and metals lists were to be established through the results of four sampling events. Although four sampling events occurred during background sampling, results for some analytes on the Appendix I lists were not obtained during these sampling events. At the completion of the September 2002 compliance sampling round, there were four concentration results for all Appendix I analytes, both volatile organic compounds and metals, at each well. Recommendations were made in previous reports to include subsequent compliance round results for those particular analytes in the background data set. In the March 2003 Monitoring Report, a final discussion of the background groundwater quality data and related statistics was included (Baker, 2003b). Appendix B contains the complete background groundwater quality statistics for the landfill facility. Comparison of current analytical results to background groundwater quality will be done in Section 3.0.

1.3 Report Organization

The report is organized into five sections including this introduction. Section 2 describes the monitoring activities while Section 3 provides the results of the groundwater monitoring event. This section also includes a discussion of the results relative to background data and other comparison criteria. Section 4 provides conclusions and recommendations. Lastly, Section 5 consists of the references.

2.0 MONITORING ACTIVITIES

2.1 Groundwater Sampling

The sampling event for the semi-annual groundwater monitoring at the Solid Waste Landfill Facility occurred March 1 and 2, 2004. Nine monitor wells were sampled, and the groundwater samples were sent to a fixed-base laboratory to be analyzed for Appendix I Compounds, including VOCs and metals compounds. A list of these compounds and the analytical methods used along with the contract required quantitation limits (CRQL) are presented in Table 2-1. Chain of custody records for this investigation are presented in Appendix C.

Field parameters were obtained and sampling occurred according to the procedures listed in the SAP (Burns and McDonnell, 1999). Specifically, measurements of temperature, pH, and specific conductivity, were obtained. Meters were calibrated twice daily, including prior to and following the day's sampling. The results of the field analyses are presented in Table 2-2. Flow rates used during stabilization were approximately 0.2 – 0.3 Liters/minute.

No deviations from the sampling plan were made. All field notes are given in Appendix D.

2.2 Groundwater Flow

The groundwater elevations at the Solid Waste Landfill Facility were collected on March 1 and March 2, 2004. Table 2-3 shows a summary of the groundwater elevation information from these two rounds. It should be noted that the datum used is the mean sea level (msl) + 100 feet.

Figures 2-1 and 2-2 depict the groundwater elevations in the form of contours on a site map. The contours were developed numerically using the natural neighbor algorithm with a constant nodal function interpolation scheme. Control points were used where appropriate. Some modifications of the contour lines were done manually. As shown, the highest groundwater elevation is located at R7GW11. This is to be expected because this well is located the furthest inland. Consistent highs at this location have been noted throughout the background and compliance sampling events. Another local groundwater high is seen at R7GW01R, near the Forrestal Wastewater Treatment Plant. This well is also at an inland location. Radial groundwater flow occurs from this location toward the coasts in the west, south, and east directions. Another local high was

seen at replacement well R2GW07R2. This groundwater elevation was approximately 1 foot above sea level even though the well is located close to Puerca Bay. The groundwater elevation at this replacement well is approximately 1 foot higher than in the former well R7GW07R. It is unclear why the water table is elevated in this location during this sampling event. Because of this local high, there is a fairly large area of the landfill where the groundwater levels indicate little or no flow. It is recommended that groundwater elevations be compared to these results in future semi-annual monitoring events to verify if these elevations are correct.

As shown on Table 2-2, some groundwater elevations are below sea level. This is most likely due to tidal fluctuations at the coast. In particular, R7GW05R and R7GW02R both had groundwater elevations below sea level during both measurements. R7GW09 also had a groundwater elevation below sea level on March 2, 2004 only.

Three groundwater gradients were calculated from the contour drawings of the piezometric surface. The locations where the gradients were calculated from are also shown on Figures 2-1 and 2-2. Table 2-4 shows the summary of gradients calculated from these drawings. Also shown is the calculated groundwater velocity for each gradient. The equation used to calculate the groundwater velocity is the Darcy equation:

$$V = Ki/n$$

Where: V = average linear groundwater velocity [feet per day (ft/day)]
K = average hydraulic conductivity (ft/day)
i = hydraulic gradient [feet per foot (ft/ft)]
n = effective porosity

The hydraulic conductivity was assumed to be 0.945 ft/day as determined from Burns and McDonnell hydraulic conductivity testing, and the porosity was assumed to be 0.3 (Burns and McDonnell, 2001). Based on these assumptions, the average groundwater velocities at the Solid Waste Landfill Facility ranged from 0.0062 to 0.0091 ft/day during the semi-annual monitoring investigation. The composite average groundwater velocity at this site was 0.0072 ft/day. The average groundwater velocity at the site is higher when compared to the previous calculations (Baker, 2002a et al.).

2.3 Field Observations

At R7GW05R, the concrete pad continues to be undermined slightly, and seemed to rock back and forth a bit. Well R7GW07R was replaced with R7GW07R2 on September 25, 2003. Some roots came up with the water level meter after sampling at monitoring well R7GW10.

3.0 RESULTS OF GROUNDWATER MONITORING EVENT

The results of the Appendix I analyses are given in Table 3-1. Only compounds with positive detections are given in this table. Appendix E contains the complete set of validated Appendix I analyses results. Appendix F contains the certification from a Puerto Rican chemist, along with copies of the raw laboratory analytical summary results.

3.1 Volatile Organic Compounds

No VOCs were detected in the monitoring wells at the Solid Waste Landfill Facility.

3.2 Metals

Eight metals on the Appendix I list were detected in this sampling event. These metals include arsenic, barium, cadmium, chromium, cobalt, copper, nickel, and vanadium. The analyses were done on both unfiltered and filtered samples to obtain total metals and dissolved metals. Cadmium, chromium and vanadium were not detected in the filtered samples. In all cases, very low concentrations of metals were obtained, less than 0.19 milligrams per liter (mg/L). Well R7GW04R exhibited the most detected compounds.

3.3 Data Quality Control and Validation

One duplicate sample was collected from R7GW02R. The results of those analyses are presented alongside the original sample in Table 3-1. Good correlation is shown between the results for the two samples. The duplicate sample results will be used in the discussion when higher than the original sample.

There were no positive detections of VOCs or metals in any of the quality control samples obtained during this compliance round. Appendix E contains the complete set of analytical results for the quality control samples. Quality control samples included a matrix spike and matrix spike duplicate sample. Also included were one trip blank sample, one field blank sample of lab grade deionized water, and one equipment rinsate sample of the tubing used with the peristaltic pump. There were no positive VOC or metal detections in any quality control blanks.

A detailed and independent data validation was performed by Diane Short and Associates, Inc. to verify the qualitative and quantitative reliability of the data presented and adherence to stated analytical protocols. This review included a detailed review and interpretation of all the data generated by the laboratory for data quality Level D deliverables. The primary tools that were utilized by the experienced data validation personnel included analytical method operating procedures, Statement of Work for CLP guidance documents, United States Environmental Protection Agency (EPA) Region II guidelines for data validation, established criteria, and professional judgement.

The data validation reports stated that the overall laboratory performance and overall data quality was acceptable with the required qualifications. The reported results are accepted as reported by the laboratory with the noted qualifications. One sample submitted for VOC analysis, R7GW04-09, had headspace in all four vials. As a result, these results were all qualified as estimated (J). Several metals compound results were qualified due to blank contamination in the laboratory quality control blanks. Data validation reports were prepared by the data validator that provided the back-up information accompanying the qualifying statements presented in the quality assurance (QA) review. The validation report narratives can be found in Appendix G.

3.4 Criteria Comparison and Statistical Analyses

The compliance groundwater concentration data were compared to the Federal Maximum Contaminant Level (MCL) and the background concentrations for each compound. When a Federal MCL was not established for a particular compound or compounds, the tap water risk-based criteria (RBC) were used for comparison. The compliance groundwater concentration data were also compared to the established background groundwater quality data as given in Appendix B. These include the upper limit of the mean and the upgradient concentrations as found during the background monitoring events, where significant.

Table 3-2 presents the compliance round concentrations for all detected compounds in the current compliance round sampling event and the corresponding criteria for comparison. These criteria include the Federal MCL, the overall background upper limit of the means, and the upgradient background concentrations. Also shown for comparison on Table 3-2 is the well-specific background average or maximum for intrawell comparison.

Because there were no VOC detections during this sampling event, they will not be discussed here.

There were no exceedances of MCLs for any of the metals on the Appendix I list during the current compliance round. There was one exceedance of the overall background upper limit of means for cadmium at well R7GW04R. Because cadmium was not absolutely quantified during background sampling, no statistics can be run to determine if this exceedance signifies true contamination. There were three additional compounds that exceeded the upgradient background concentrations, including barium, chromium, and nickel, but they did not exceed the overall background upper limit of means.

4.0 CONCLUSIONS AND RECOMMENDATIONS

The primary conclusion of this report is that there is no apparent groundwater contamination resulting from the continued use of the Solid Waste Landfill Facility.

The CRQL for some metals compounds are higher than the Federal MCL. It is recommended that the CRQL for these compounds be reduced, if possible, to match the Federal MCL. It is also recommended that the semi-annual sampling events continue as developed for this facility.

In the previous report, it was noted that beryllium and thallium had exhibited consistent detections in the compliance rounds, but were not quantified during the background sampling rounds. It is recommended that the background data set for these two compounds be expanded to include the first four compliance round sample results (March 2002, September 2002; March 2003, and September 2003) in order to establish background comparison criteria.

5.0 REFERENCES

Baker Environmental, Inc. (Baker), 2002. *Draft Semi-Annual Groundwater Monitoring Report March 2002 Sampling Event*, Base Landfill, Naval Station Roosevelt Roads, Ceiba, Puerto Rico. September 11, 2002.

Baker Environmental, Inc. (Baker), 2003a. *Draft Semi-Annual Groundwater Monitoring Report September 2002 Sampling Event*, Base Landfill, Naval Station Roosevelt Roads, Ceiba, Puerto Rico. January 6, 2003.

Baker Environmental, Inc. (Baker), 2003b. *Draft Semi-Annual Groundwater Monitoring Report March 2003 Sampling Event*, Base Landfill, Naval Station Roosevelt Roads, Ceiba, Puerto Rico. June 26, 2003.

Baker Environmental, Inc. (Baker), 2004. *Draft Semi-Annual Groundwater Monitoring Report September 2003 Sampling Event*, Base Landfill, Naval Station Roosevelt Roads, Ceiba, Puerto Rico. January 22, 2004.

Burns and McDonnell, *Groundwater Sampling and Analysis Plan*, Solid Waste Landfill Facility, NSRR, Puerto Rico, April 1999.

Burns and McDonnell, *Background Groundwater Monitoring Report*, Solid Waste Landfill Facility, NSRR, Puerto Rico, May 2001.

TABLES

TABLE 2-1

METHOD PERFORMANCE LIMITS
APPENDIX I COMPOUND LIST AND CONTRACT
REQUIRED QUANTITATION LIMITS (CRQL)

Volatiles	Quantitation Limits Water (ug/L)	Method Number
Acetone	50	8260
Acrylonitrile	100	8260
Benzene	5	8260
Bromochloromethane	5	8260
Bromodichloromethane	5	8260
Bromoform	5	8260
Carbon Disulfide	5	8260
Carbon tetrachloride	5	8260
Chlorobenzene	5	8260
Chloroethane	10	8260
Chloroform	5	8260
Dibromochloromethane	5	8260
1,2-Dibromo-3-chloropropane	5	8260
1,2-Dibromoethane (EDB)	5	8260
1,2-Dichlorobenzene	5	8260
1,4-Dichlorobenzene	5	8260
trans-1,4-Dichloro-2-butene	10	8260
1,1-Dichloroethane	5	8260
1,2-Dichloroethane	5	8260
1,1-Dichloroethene	5	8260
cis-1,2-Dichloroethene	5	8260
trans-1,2-Dichloroethene	5	8260
1,2-Dichloropropane	5	8260
cis-1,3-Dichloropropene	5	8260
trans-1,3-Dichloropropene	5	8260
Ethylbenzene	5	8260
2-Hexanone	25	8260
Bromomethane	10	8260
Chloromethane	10	8260
Dibromomethane	5	8260
Dichloromethane	5	8260
2-Butanone (MEK)	25	8260
Iodomethane	5	8260
4-Methyl-2-pentanone (MIBK)	25	8260
Styrene	5	8260
1,1,1,2-Tetrachloroethane	5	8260
1,1,2,2-Tetrachloroethane	5	8260
Tetrachloroethene	5	8260
Toluene	5	8260
1,1,1-Trichloroethane	5	8260
1,1,2-Trichloroethane	5	8260
Trichloroethene	5	8260
Trichlorofluoromethane	5	8260
1,2,3-Trichloropropane	5	8260
Vinyl acetate	10	8260
Vinyl chloride	10	8260
Xylenes, Total	10	8260

TABLE 2-1

METHOD PERFORMANCE LIMITS
APPENDIX I COMPOUND LIST AND CONTRACT
REQUIRED QUANTITATION LIMITS (CRQL)

Total and Dissolved Metals	Quantitation Limits Water (mg/L)	Method Number
Antimony	0.02	6010
Arsenic	0.01	6010
Barium	0.01	6010
Beryllium	0.004	6010
Cadmium	0.005	6010
Chromium	0.01	6010
Cobalt	0.01	6010
Copper	0.02	6010
Lead	0.005	6010
Nickel	0.04	6010
Selenium	0.01	6010
Silver	0.01	6010
Thallium	0.01	6010
Vanadium	0.01	6010
Zinc	0.02	6010

Notes:
ug/L - micrograms per liter.
mg/L - milligrams per liter.

TABLE 2-2

SUMMARY OF GROUNDWATER FIELD PARAMETERS
SEMI-ANNUAL GROUNDWATER MONITORING REPORT, MARCH 2004
SOLID WASTE LANDFILL FACILITY
NAVAL ACTIVITY PUERTO RICO, CEIBA, PUERTO RICO

Well ID/ Sample Date	Time Interval	Static Water Level (feet from top of PVC)	Temperature (^{O}F)	pH (S.U.)	Specific Conductance (uS/cm)	Sample Description
R7GW01R-09 03/01/04	1330	7.59				Sample appeared relatively clear with a slight sulfur odor.
	1336	7.67	84.0	6.90	6,020	
	1342	7.67	84.2	6.94	6,029	
	1348	7.66	84.3	6.97	5,983	
R7GW02R-09 03/02/04	0754	5.45				Sample appeared relatively clear with a slight sulfur odor.
	0801	5.74	79.2	6.65	61,618	
	0807	5.79	80.1	6.70	48,843	
	0814	5.77	80.5	6.84	36,674	
	0820	5.79	80.5	6.87	32,965	
	0826	5.83	80.5	6.80	31,718	
	0832	5.84	80.4	6.83	30,816	
R7GW04R-09 03/02/04	1145	12.28				Sample appeared slightly cloudy with no apparent odor.
	1152	13.70	81.2	6.73	59,877	
	1200	15.65	81.3	6.65	58,745	
	1207	16.24	81.2	6.63	59,506	
R7GW05R-09 03/01/04	1642	14.49				Sample appeared relatively clear with a strong sulfur odor.
	1648	14.63	81.8	7.12	38,258	
	1654	14.63	81.5	7.05	35,196	
	1701	14.63	81.8	7.05	32,645	
	1708	14.63	81.6	6.99	31,705	
	1715	14.63	81.5	7.01	30,895	
R7GW07R2-09 03/01/04	1423	13.87				Sample appeared clear with no apparent odor.
	1428	14.62	84.8	7.07	8,560	
	1434	14.73	84.9	7.15	7,706	
	1441	14.80	84.3	7.11	8,141	
	1447	14.68	84.6	7.11	8,829	
	1454	14.74	84.1	7.14	8,797	
	1501	14.74	84.0	7.19	8,816	
R7GW08R-09 03/01/04	1116	11.02				Sample appeared relatively cloudy with a slight sulfur odor.
	1124	11.21	81.7	7.30	35,763	
	1132	11.20	81.3	7.24	31,411	
	1137	11.20	80.9	7.23	30,148	
	1142	11.21	81.2	7.21	29,349	
	1147	11.22	81.4	7.28	29,245	
R7GW09-09 03/02/04	1044	9.75				Sample appeared relatively clear with some small black floating debris. A strong sulfur odor was observed.
	1051	9.87	81.6	7.05	53,382	
	1058	9.90	80.6	6.93	51,857	
	1104	9.90	81.2	6.93	48,345	
	1110	9.91	81.0	6.94	47,571	
	1117	9.93	81.0	6.88	47,206	

TABLE 2-2

SUMMARY OF GROUNDWATER FIELD PARAMETERS
SEMI-ANNUAL GROUNDWATER MONITORING REPORT, MARCH 2004
SOLID WASTE LANDFILL FACILITY
NAVAL ACTIVITY PUERTO RICO, CEIBA, PUERTO RICO

Well ID/ Sample Date	Time Interval	Static Water Level (feet from top of PVC)	Temperature (^{O}F)	pH (S.U.)	Specific Conductance (uS/cm)	Sample Description
R7GW10-09 03/01/04	1537	13.53				Sample appeared to have a yellowish tint, with a slight sulfur odor.
	1543	13.63	83.6	6.99	11,317	
	1548	13.65	84.4	6.95	10,469	
	1554	13.65	84.3	7.01	10,082	
	1600	13.66	83.2	6.93	9,398	
	1605	13.66	83.7	6.92	9,169	
	1610	13.65	83.5	6.87	9,117	
R7GW11-09 03/01/04	1020	6.09				Sample appeared relatively clear with no apparent odor.
	1027	6.19	84.9	7.10	1,204	
	1040	6.20	85.2	7.15	1,211	
	1045	6.20	84.7	7.06	1,189	

Notes:
PVC - Polyvinyl chloride.
^{o} F - Degrees Fahrenheit.
S.U. - Standard Unit.
uS/cm - micro semens per centimeter.

TABLE 2-3

GROUNDWATER ELEVATION SUMMARY
SEMI-ANNUAL GROUNDWATER MONITORING REPORT, MARCH 2004
SOLID WASTE LANDFILL FACILITY
NAVAL ACTIVITY PUERTO RICO, CEIBA, PUERTO RICO

Well No.	Date Sampled	Top of PVC Elevation (feet msl)	Depth to Water (feet from top of PVC)	Groundwater Elevation (feet msl)
R7GW01R	03/01/04	108.90	7.57	101.33
R7GW01R	03/02/04	108.90	7.59	101.31
R7GW02R	03/01/04	105.11	5.38	99.73
R7GW02R	03/02/04	105.11	5.45	99.66
R7GW04R	03/01/04	112.39	12.25	100.14
R7GW04R	03/02/04	112.39	12.28	100.11
R7GW05R	03/01/04	113.73	14.45	99.28
R7GW05R	03/02/04	113.73	14.55	99.18
R7GW07R2	03/01/04	114.78	13.78	101.00
R7GW07R2	03/02/04	114.78	13.96	100.82
R7GW08R	03/01/04	111.33	11.02	100.31
R7GW08R	03/02/04	111.33	11.06	100.27
R7GW09	03/01/04	109.69	9.59	100.10
R7GW09	03/02/04	109.69	9.75	99.94
R7GW10	03/01/04	113.96	13.55	100.41
R7GW10	03/02/04	113.96	13.55	100.41
R7GW11	03/01/04	110.20	6.09	104.11
R7GW11	03/02/04	110.20	6.08	104.12

Notes:
msl - mean sea level + 100 feet.
PVC - Polyvinyl Chloride.

TABLE 2-4

GROUNDWATER VELOCITY CALCULATIONS
SEMI-ANNUAL GROUNDWATER MONITORING REPORT, MARCH 2004
SOLID WASTE LANDFILL FACILITY
NAVAL ACTIVITY PUERTO RICO, CEIBA, PUERTO RICO

Event	Line Location	Line Length (ft)	Head Difference (ft)	Gradient (I)	Velocity (ft/day)
3/1/2004	1	1410.00	3.50	0.00248	0.0078
3/1/2004	2	1565.00	3.50	0.00224	0.0070
3/1/2004	3	510.00	1.00	0.00196	0.0062
3/2/2004	1	1380.00	4.00	0.00290	0.0091
3/2/2004	2	1605.00	3.50	0.00218	0.0069
3/2/2004	3	500.00	1.00	0.00200	0.0063

Assumption:	K =	0.945	ft/day
Assumption:	n =	0.3	
V = Ki/n			

SUMMARY		
average gradient =	0.00229	ft/ft
minimum groundwater velocity =	0.0062	ft/day
maximum groundwater velocity =	0.0091	ft/day
average groundwater velocity =	0.0072	ft/day

Notes:
K = hydraulic conductivity
n = porosity
ft/day = feet per day

TABLE 3-1

POSITIVE DETECTION SUMMARY
SEMI-ANNUAL GROUNDWATER MONITORING REPORT, MARCH 2004
SOLID WASTE LANDFILL FACILITY
NAVAL ACTIVITY PUERTO RICO, CEIBA, PUERTO RICO

Site ID	**R7GW01R**	**R7GW02R**	**R7GW02R (Dup)**	**R7GW04R**	**R7GW05R**
Sample Description :	**R7GW01R-09**	**R7GW02R-09**	**R7GW02R-09D**	**R7GW04R-09**	**R7GW05R-09**
Sample Date/Time :	**03-01-2004/1352**	**03-02-2004/0840**	**03-02-2004/0840**	**03-02-2004/1220**	**03-01-2004/1720**
Appendix I Volatile Organics (ug/L)					
(No Detections)					
Appendix I Metals (mg/L)					
Arsenic	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Barium	0.063	0.069	0.07	0.18	0.019
Cadmium	0.005 U	0.005 U	0.005 U	0.0012 J	0.005 U
Chromium	0.0011 J	0.0011 J	0.0011 J	0.027	0.01 U
Cobalt	0.01 U	0.01 U	0.01 U	0.019	0.01 U
Copper	0.02 U	0.003 J	0.02 U	0.013 J	0.02 U
Vanadium	0.0062 J	0.012	0.012	0.0066 J	0.0074 J
Appendix I Metals (Dissolved) (mg/L)					
Arsenic, (Dissolved)	0.01 U	0.01 U	0.01 U	0.01 U	0.0068 J
Barium, (Dissolved)	0.058	0.069	0.068	0.19	0.018
Cobalt, (Dissolved)	0.01 U	0.01 U	0.01 U	0.022	0.01 U
Copper, Dissolved	0.02 U	0.02 U	0.02 U	0.0067 J	0.02 U
Nickel, (Dissolved)	0.04 U	0.04 U	0.04 U	0.03 J	0.04 U

Notes:
U - Not Detected
ug/L - micrograms per liter
J - Qualified as Estimated
mg/L - milligrams per liter

TABLE 3-1

POSITIVE DETECTION SUMMARY
SEMI-ANNUAL GROUNDWATER MONITORING REPORT, MARCH 2004
SOLID WASTE LANDFILL FACILITY
NAVAL ACTIVITY PUERTO RICO, CEIBA, PUERTO RICO

Site ID	**R7GW07R2**	**R7GW08R**	**R7GW09R**	**R7GW10R**	**R7GW11**
Sample Description :	**R7GW07R2-09**	**R7GW08R-09**	**R7GW09-09**	**R7GW10-09**	**R7GW11-09**
Sample Date/Time :	**03-01-2004/1510**	**03-01-2004/1150**	**03-02-2004/1120**	**03-01-2004/1620**	**03-01-2004/1050**
Appendix I Volatile Organics (ug/L)					
(No Detections)					
Appendix I Metals (mg/L)					
Arsenic	0.0059 J	0.01 U	0.01 U	0.01 U	0.01 U
Barium	0.14	0.078	0.13	0.044	0.01 U
Cadmium	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Chromium	0.01 U	0.026	0.01 U	0.0016 J	0.01 U
Cobalt	0.0036 J	0.01 U	0.0024 J	0.0017 J	0.01 U
Copper	0.02 U	0.02 U	0.0027 J	0.02 U	0.02 U
Vanadium	0.012 U	0.01	0.05 U	0.0058 J	0.012 U
Appendix I Metals (Dissolved) (mg/L)					
Arsenic, (Dissolved)	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Barium, (Dissolved)	0.15	0.075	0.13	0.042	0.01 U
Cobalt, (Dissolved)	0.0029 J	0.01 U	0.0014 J	0.0017 J	0.01 U
Copper, Dissolved	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Nickel, (Dissolved)	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U

Notes:
U - Not Detected
ug/L - micrograms per liter
J - Qualified as Estimated
mg/L - milligrams per liter

TABLE 3-2

CRITERIA COMPARISON TABLE
SEMI-ANNUAL GROUNDWATER MONITORING REPORT, MARCH 2004
SOLID WASTE LANDFILL FACILITY
NAVAL ACTIVITY PUERTO RICO, CEIBA, PUERTO RICO

Site ID Sample Purpose				R7GW01 Background Intrawell (1)	R7GW01R Compliance 03/01/04
Volatiles (ug/l)	**Federal MCL (Tap Water RBC)**	*Overall Background Upper Limit of Means*	Upgradient Background Average/Max		
(No Detections)					
Total Metals (mg/l)					
Arsenic	0.01	**0.0219**	ND	ND	0.01 U
Barium	2	0.5372	0.1298	0.174	0.063
Cadmium	0.005	0.000602	ND	ND	0.005 U
Chromium	0.1	0.085	0.0259	0.028	0.0011 J
Cobalt	NE (0.73)	0.0731	0.0188	0.02445	0.01 U
Copper	1.3	0.1434	0.0456	0.0447	0.02 U
Nickel	NE (0.73)	0.0313	0.0161	0.0022	0.04 U
Vanadium	NE (0.26)	0.0939	0.0402	0.0498	0.0062 J

Background not absolutely quantified, too few detections

Notes:
(1) Intrawell averages determined from detections only,
maximum concentration shown if only one detection
(2) Duplicate concentrations used if higher than original sample
+ - concentrations from dissolved analyses, where higher than total
ND and U - Not Detected
NE - Not Established
J - Qualified as Estimated
UJ - Non-Detect Concentration Qualified as Estimated
R - Reported concentration rejected by validator
Bold--indicates exceedance of Federal MCL or tap water RBC
italics - indicates exceedance of overall background upper limit of means
underline - indicates exceedance of upgradient background average/max

TABLE 3-2

CRITERIA COMPARISON TABLE
SEMI-ANNUAL GROUNDWATER MONITORING REPORT, MARCH 2004
SOLID WASTE LANDFILL FACILITY
NAVAL ACTIVITY PUERTO RICO, CEIBA, PUERTO RICO

Site ID Sample Purpose				R7GW02 Background Intrawell (1)	R7GW02R Compliance (2) 03/02/04
Volatiles (ug/l)	**Federal MCL (Tap Water RBC)**	*Overall Background Upper Limit of Means*	Upgradient Background Average/Max		
(No Detections)					
Total Metals (mg/l)					
Arsenic	0.01	**0.0219**	ND	**0.0169**	0.01 U
Barium	2	0.5372	0.1298	0.014	0.07
Cadmium	0.005	0.000602	ND	ND	0.005 U
Chromium	0.1	0.085	0.0259	0.059	0.0011 J
Cobalt	NE (0.73)	0.0731	0.0188	0.0016	0.01 U
Copper	1.3	0.1434	0.0456	0.0217	0.003 J
Nickel	NE (0.73)	0.0313	0.0161	0.00064	0.04 U
Vanadium	NE (0.26)	0.0939	0.0402	0.0149	0.012

Background not absolutely quantified, too few detections

Notes:
(1) Intrawell averages determined from detections only,
maximum concentration shown if only one detection
(2) Duplicate concentrations used if higher than original sample
+ - concentrations from dissolved analyses, where higher than total
ND and U - Not Detected
NE - Not Established
J - Qualified as Estimated
UJ - Non-Detect Concentration Qualified as Estimated
R - Reported concentration rejected by validator
Bold--indicates exceedance of Federal MCL or tap water RBC
italics - indicates exceedance of overall background upper limit of means
underline - indicates exceedance of upgradient background average/max

TABLE 3-2

CRITERIA COMPARISON TABLE
SEMI-ANNUAL GROUNDWATER MONITORING REPORT, MARCH 2004
SOLID WASTE LANDFILL FACILITY
NAVAL ACTIVITY PUERTO RICO, CEIBA, PUERTO RICO

Site ID Sample Purpose				R7GW04 Background Intrawell (1)	R7GW04R Compliance 03/02/04
Volatiles (ug/l)	**Federal MCL (Tap Water RBC)**	*Overall Background Upper Limit of Means*	Upgradient Background Average/Max		
(No Detections)					
Total Metals (mg/l)					
Arsenic	0.01	**0.0219**	ND	ND	0.01 U
Barium	2	0.5372	0.1298	0.343	0.19 +
Cadmium	0.005	0.000602	ND	ND	*0.0012* J
Chromium	0.1	0.085	0.0259	0.039	0.027
Cobalt	NE (0.73)	0.0731	0.0188	0.0042	0.022 +
Copper	1.3	0.1434	0.0456	0.0494	0.013 J
Nickel	NE (0.73)	0.0313	0.0161	0.0011	0.03 J+
Vanadium	NE (0.26)	0.0939	0.0402	0.0239	0.0066 J

Background not absolutely quantified, too few detections

Notes:
(1) Intrawell averages determined from detections only,
maximum concentration shown if only one detection
(2) Duplicate concentrations used if higher than original sample
+ - concentrations from dissolved analyses, where higher than total
ND and U - Not Detected
NE - Not Established
J - Qualified as Estimated
UJ - Non-Detect Concentration Qualified as Estimated
R - Reported concentration rejected by validator
Bold--indicates exceedance of Federal MCL or tap water RBC
italics - indicates exceedance of overall background upper limit of means
underline - indicates exceedance of upgradient background average/max

TABLE 3-2

CRITERIA COMPARISON TABLE
SEMI-ANNUAL GROUNDWATER MONITORING REPORT, MARCH 2004
SOLID WASTE LANDFILL FACILITY
NAVAL ACTIVITY PUERTO RICO, CEIBA, PUERTO RICO

Site ID Sample Purpose				R7GW05 Background Intrawell (1)	R7GW05R Compliance 03/01/04
Volatiles (ug/l)	**Federal MCL (Tap Water RBC)**	*Overall Background Upper Limit of Means*	Upgradient Background Average/Max		
(No Detections)					
Total Metals (mg/l)					
Arsenic	0.01	**0.0219**	ND	0.0062	0.0068 J+
Barium	2	0.5372	0.1298	0.011	0.019
Cadmium	0.005	0.000602	ND	ND	0.005 U
Chromium	0.1	0.085	0.0259	0.04	0.01 U
Cobalt	NE (0.73)	0.0731	0.0188	0.0016	0.01 U
Copper	1.3	0.1434	0.0456	0.0194	0.02 U
Nickel	NE (0.73)	0.0313	0.0161	0.00083	0.04 U
Vanadium	NE (0.26)	0.0939	0.0402	0.0215	0.0074 J

Background not absolutely quantified, too few detections

Notes:
(1) Intrawell averages determined from detections only,
maximum concentration shown if only one detection
(2) Duplicate concentrations used if higher than original sample
+ - concentrations from dissolved analyses, where higher than total
ND and U - Not Detected
NE - Not Established
J - Qualified as Estimated
UJ - Non-Detect Concentration Qualified as Estimated
R - Reported concentration rejected by validator
Bold--indicates exceedance of Federal MCL or tap water RBC
italics - indicates exceedance of overall background upper limit of means
underline - indicates exceedance of upgradient background average/max

TABLE 3-2

CRITERIA COMPARISON TABLE
SEMI-ANNUAL GROUNDWATER MONITORING REPORT, MARCH 2004
SOLID WASTE LANDFILL FACILITY
NAVAL ACTIVITY PUERTO RICO, CEIBA, PUERTO RICO

Site ID Sample Purpose				R7GW07 Background Intrawell (1)	R7GW07R2 Compliance 03/01/04
Volatiles (ug/l)	**Federal MCL (Tap Water RBC)**	*Overall Background Upper Limit of Means*	Upgradient Background Average/Max		
(No Detections)					
Total Metals (mg/l)					
Arsenic	0.01	**0.0219**	ND	ND	0.0059 J
Barium	2	0.5372	0.1298	0.01	0.15 +
Cadmium	0.005	0.000602	ND	ND	0.005 U
Chromium	0.1	0.085	0.0259	0.012	0.01 U
Cobalt	NE (0.73)	0.0731	0.0188	0.0005	0.0036 J
Copper	1.3	0.1434	0.0456	0.0293	0.02 U
Nickel	NE (0.73)	0.0313	0.0161	ND	0.04 U
Vanadium	NE (0.26)	0.0939	0.0402	0.0496	0.012 U

Background not absolutely quantified, too few detections

Notes:
(1) Intrawell averages determined from detections only,
maximum concentration shown if only one detection
(2) Duplicate concentrations used if higher than original sample
+ - concentrations from dissolved analyses, where higher than total
ND and U - Not Detected
NE - Not Established
J - Qualified as Estimated
UJ - Non-Detect Concentration Qualified as Estimated
R - Reported concentration rejected by validator
Bold--indicates exceedance of Federal MCL or tap water RBC
italics - indicates exceedance of overall background upper limit of means
underline - indicates exceedance of upgradient background average/max

TABLE 3-2

CRITERIA COMPARISON TABLE
SEMI-ANNUAL GROUNDWATER MONITORING REPORT, MARCH 2004
SOLID WASTE LANDFILL FACILITY
NAVAL ACTIVITY PUERTO RICO, CEIBA, PUERTO RICO

Site ID Sample Purpose				R7GW08 Background Intrawell (1)	R7GW08R Compliance 03/02/04
Volatiles (ug/l)	**Federal MCL (Tap Water RBC)**	*Overall Background Upper Limit of Means*	Upgradient Background Average/Max		
(No Detections)					
Total Metals (mg/l)					
Arsenic	0.01	**0.0219**	ND	ND	0.01 U
Barium	2	0.5372	0.1298	0.035	0.078
Cadmium	0.005	0.000602	ND	ND	0.005 U
Chromium	0.1	0.085	0.0259	0.048	0.026
Cobalt	NE (0.73)	0.0731	0.0188	0.001	0.01 U
Copper	1.3	0.1434	0.0456	0.0263	0.02 U
Nickel	NE (0.73)	0.0313	0.0161	0.0006	0.04 U
Vanadium	NE (0.26)	0.0939	0.0402	0.0337	0.01

Background not absolutely quantified, too few detections

Notes:
(1) Intrawell averages determined from detections only,
maximum concentration shown if only one detection
(2) Duplicate concentrations used if higher than original sample
+ - concentrations from dissolved analyses, where higher than total
ND and U - Not Detected
NE - Not Established
J - Qualified as Estimated
UJ - Non-Detect Concentration Qualified as Estimated
R - Reported concentration rejected by validator
Bold--indicates exceedance of Federal MCL or tap water RBC
italics - indicates exceedance of overall background upper limit of means
underline - indicates exceedance of upgradient background average/max

TABLE 3-2

CRITERIA COMPARISON TABLE
SEMI-ANNUAL GROUNDWATER MONITORING REPORT, MARCH 2004
SOLID WASTE LANDFILL FACILITY
NAVAL ACTIVITY PUERTO RICO, CEIBA, PUERTO RICO

Site ID Sample Purpose				R7GW09 Background Intrawell (1)	R7GW09 Compliance 03/01/04
Volatiles (ug/l)	**Federal MCL (Tap Water RBC)**	*Overall Background Upper Limit of Means*	Upgradient Background Average/Max		
(No Detections)					
Total Metals (mg/l)					
Arsenic	0.01	**0.0219**	ND	ND	0.01 U
Barium	2	0.5372	0.1298	0.146	0.13
Cadmium	0.005	0.000602	ND	0.00057	0.005 U
Chromium	0.1	0.085	0.0259	0.037	0.01 U
Cobalt	NE (0.73)	0.0731	0.0188	0.0518	0.0024 J
Copper	1.3	0.1434	0.0456	0.1539	0.0027 J
Nickel	NE (0.73)	0.0313	0.0161	0.0164	0.04 U
Vanadium	NE (0.26)	0.0939	0.0402	0.0447	0.05 U

Background not absolutely quantified, too few detections

Notes:
(1) Intrawell averages determined from detections only,
maximum concentration shown if only one detection
(2) Duplicate concentrations used if higher than original sample
+ - concentrations from dissolved analyses, where higher than total
ND and U - Not Detected
NE - Not Established
J - Qualified as Estimated
UJ - Non-Detect Concentration Qualified as Estimated
R - Reported concentration rejected by validator
Bold--indicates exceedance of Federal MCL or tap water RBC
italics - indicates exceedance of overall background upper limit of means
underline - indicates exceedance of upgradient background average/max

TABLE 3-2

CRITERIA COMPARISON TABLE
SEMI-ANNUAL GROUNDWATER MONITORING REPORT, MARCH 2004
SOLID WASTE LANDFILL FACILITY
NAVAL ACTIVITY PUERTO RICO, CEIBA, PUERTO RICO

Site ID Sample Purpose				R7GW10 Background Intrawell (1)	R7GW10 Compliance 03/01/04
Volatiles (ug/l)	**Federal MCL (Tap Water RBC)**	*Overall Background Upper Limit of Means*	Upgradient Background Average/Max		
(No Detections)					
Total Metals (mg/l)					
Arsenic	0.01	**0.0219**	ND	**0.0101**	0.01 U
Barium	2	0.5372	0.1298	0.174	0.044
Cadmium	0.005	0.000602	ND	0.00054	0.005 U
Chromium	0.1	0.085	0.0259	0.015	0.0016 J
Cobalt	NE (0.73)	0.0731	0.0188	0.0081	0.0017 J
Copper	1.3	0.1434	0.0456	0.0258	0.02 U
Nickel	NE (0.73)	0.0313	0.0161	0.0068	0.04 U
Vanadium	NE (0.26)	0.0939	0.0402	0.052	0.0058 J

Background not absolutely quantified, too few detections

Notes:
(1) Intrawell averages determined from detections only,
maximum concentration shown if only one detection
(2) Duplicate concentrations used if higher than original sample
+ - concentrations from dissolved analyses, where higher than total
ND and U - Not Detected
NE - Not Established
J - Qualified as Estimated
UJ - Non-Detect Concentration Qualified as Estimated
R - Reported concentration rejected by validator
Bold--indicates exceedance of Federal MCL or tap water RBC
italics - indicates exceedance of overall background upper limit of means
underline - indicates exceedance of upgradient background average/max

TABLE 3-2

CRITERIA COMPARISON TABLE
SEMI-ANNUAL GROUNDWATER MONITORING REPORT, MARCH 2004
SOLID WASTE LANDFILL FACILITY
NAVAL ACTIVITY PUERTO RICO, CEIBA, PUERTO RICO

Site ID Sample Purpose				R7GW11 Background Intrawell (1)	R7GW11 Compliance 03/01/04
Volatiles (ug/l)	**Federal MCL (Tap Water RBC)**	*Overall Background Upper Limit of Means*	Upgradient Background Average/Max		
(No Detections)					
Total Metals (mg/l)					
Arsenic	0.01	**0.0219**	ND	ND	0.01 U
Barium	2	0.5372	0.1298	0.044	0.01 U
Cadmium	0.005	0.000602	ND	ND	0.005 U
Chromium	0.1	0.085	0.0259	0.024	0.01 U
Cobalt	NE (0.73)	0.0731	0.0188	0.0004	0.01 U
Copper	1.3	0.1434	0.0456	0.0842	0.02 U
Nickel	NE (0.73)	0.0313	0.0161	0.03	0.04 U
Vanadium	NE (0.26)	0.0939	0.0402	0.0406	0.012 U

Background not absolutely quantified, too few detections

Notes:
(1) Intrawell averages determined from detections only,
maximum concentration shown if only one detection
(2) Duplicate concentrations used if higher than original sample
+ - concentrations from dissolved analyses, where higher than total
ND and U - Not Detected
NE - Not Established
J - Qualified as Estimated
UJ - Non-Detect Concentration Qualified as Estimated
R - Reported concentration rejected by validator
Bold--indicates exceedance of Federal MCL or tap water RBC
italics - indicates exceedance of overall background upper limit of means
underline - indicates exceedance of upgradient background average/max

FIGURES

400 0 200 400 800

1 inch = 400 ft.

101780002

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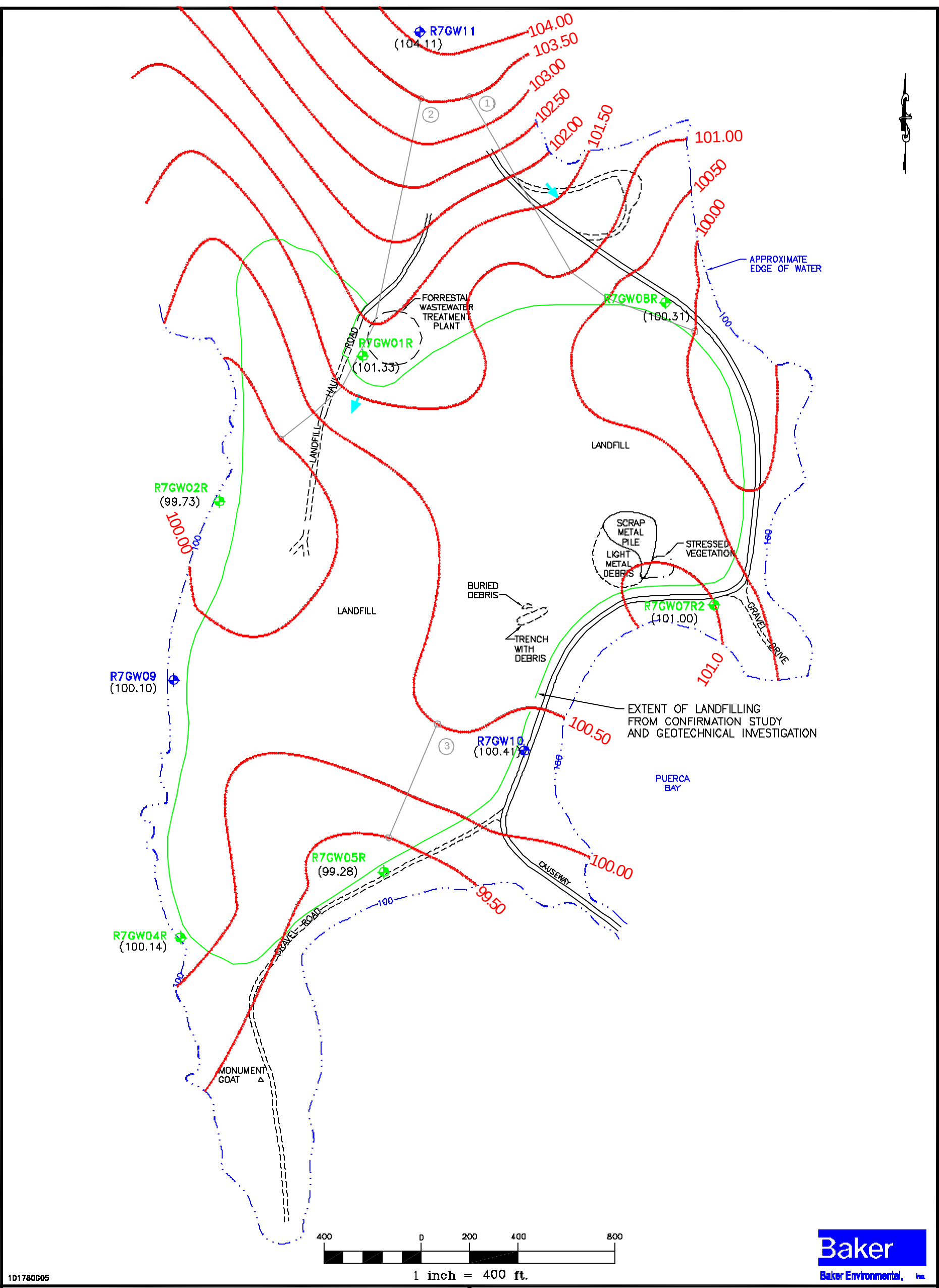
FIGURE 1-1
SITE MAP
SOLID WASTE LANDFILL FACILITY

NAVAL STATION ROOSEVELT ROADS
PUERTO RICO

SOURCE: LANTDIV, FEB. 1992



1D17800G05

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LEGEND

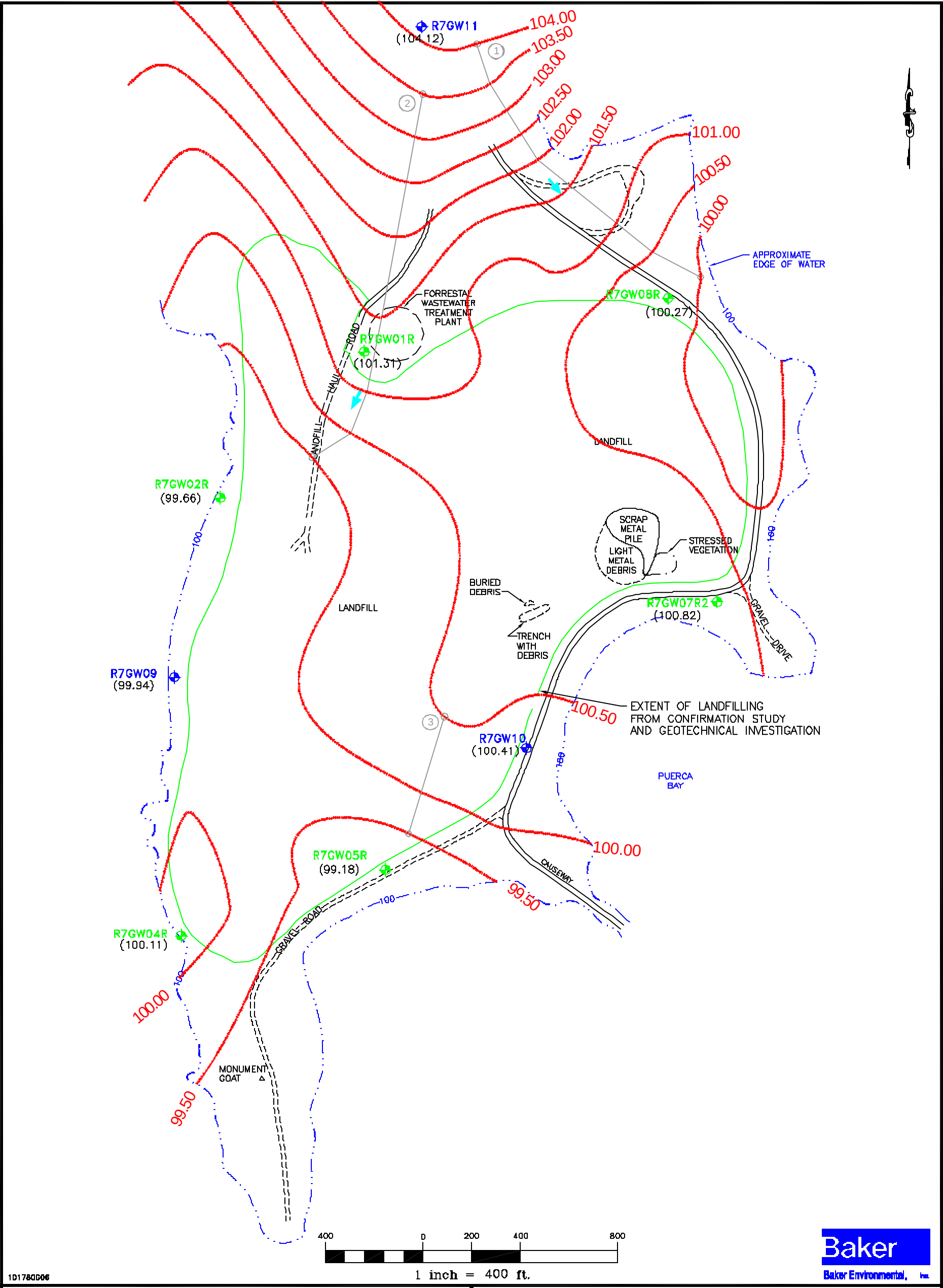
- MONITOR WELL LOCATION (INSTALLED JUNE 1998, BURNS AND McDONNELL)
- MONITOR WELL LOCATION (INSTALLED DECEMBER 2000, BAKER)
- GROUNDWATER CONTOUR LINE AND ELEVATION, DATUM = MEAN SEA LEVEL + 100 FEET
- GROUNDWATER FLOW DIRECTION
- LINE USED TO CALCULATE HYDRAULIC GRADIENT
- APPROXIMATE EXTENT OF LANDFILL BOUNDARY

NOTE: CONTOURS WERE GENERATED WITH GMS® USING A NATURAL NEIGHBOR INTERPOLATION ROUTINE. ALL CONTOURS ARE APPROXIMATE AND SUBJECT TO THE INTERPOLATION METHOD USED. WHEN APPROPRIATE, CONTROL POINTS WERE USED.

SOURCE: LANTDIV, FEB. 1992

FIGURE 2-1
GROUNDWATER CONTOUR MAP, MARCH 1, 2004
SEMI-ANNUAL GROUNDWATER MONITORING REPORT
SOLID WASTE LANDFILL FACILITY - SWMU 3

NAVAL STATION ROOSEVELT ROADS
CEIBA, PUERTO RICO



1D17800G06

Baker
Baker Environmental, Inc.

LEGEND

- MONITOR WELL LOCATION (INSTALLED JUNE 1998, BURNS AND McDONNELL)
- MONITOR WELL LOCATION (INSTALLED DECEMBER 2000, BAKER)
- GROUNDWATER CONTOUR LINE AND ELEVATION, DATUM = MEAN SEA LEVEL + 100 FEET
- GROUNDWATER FLOW DIRECTION
- LINE USED TO CALCULATE HYDRAULIC GRADIENT
- APPROXIMATE EXTENT OF LANDFILL BOUNDARY

NOTE: CONTOURS WERE GENERATED WITH GMS® USING A NATURAL NEIGHBOR INTERPOLATION ROUTINE. ALL CONTOURS ARE APPROXIMATE AND SUBJECT TO THE INTERPOLATION METHOD USED. WHEN APPROPRIATE, CONTROL POINTS WERE USED.

SOURCE: LANTDIV, FEB. 1992

FIGURE 2-2
GROUNDWATER CONTOUR MAP, MARCH 2, 2004
SEMI-ANNUAL GROUNDWATER MONITORING REPORT
SOLID WASTE LANDFILL FACILITY - SWMU 3

NAVAL STATION ROOSEVELT ROADS
CEIBA, PUERTO RICO

APPENDIX A
Well R7GW07R2 Boring Log and Well Construction Diagram

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TEST BORING AND WELL CONSTRUCTION RECORD

PROJECT:	Naval Station Roosevelt Roads Base Landfill Well Replacement		
PROJ. NO.:	101780	BORING NO.:	R7GW07R2
COORDINATES:	EAST: 787127.490	NORTH:	141150.78
ELEVATION:	SURFACE: 112.60	TOP OF PVC CASING:	114.78

Rig: Mobile B-61								
	Split Spoon	**Casing**	**Augers**	**Core Barrel**	**Date**	**Progress (Ft.)**	**Weather**	**Depth to Water (Ft.)**
Size (ID)	2-in	--	4-1/4-in	--	9/25/2003	0.0 - 23.5	M sunny, lt wind, 80s	--
Length	2-ft	--	5-ft	--				
Type	Stainless	--	HSA	--				
Hammer Wt.	140-lbs	--	--	--				
Fall	30-in	--	--	--				

Remarks:

SAMPLE TYPE

S = Split Spoon A = Auger
T = Shelby Tube W = Wash
R = Air Rotary C = Core
D = Direct Push P = Piston
N = No Sample

WELL INFORMATION

Type	Diam.	Top Depth (Ft.)	Bottom Depth (Ft.)
Sch 40 PVC Casing	2-in	+2.2	18.0
Sch 40 PVC Screen (10-slot)	2-in	18.0	23.0

Depth (Ft.)	Sample Type & No.	Sample Rec. (Ft.,%)	SPT	Lab ID	PID (ppm) ps/bg	Visual Description	Well Installation Detail	Elevation (Ft. MSL)
1								
2								
3								
4								
5	A-N	--	--	--	--	See log for R7GW07R		
6								
7								
8								
9								
10						Match to Sheet 2		

DRILLING CO.:	GeoWorks, Inc.	BAKER REP.:	Mark DeJohn
DRILLER:	William Rolon	BORING NO.:	R7GW07R2 SHEET 1 OF 2

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TEST BORING AND WELL CONSTRUCTION RECORD

PROJECT: Naval Station Roosevelt Roads Base Landfill Well Replacement

CTO NO.: #### BORING NO.: R7GW07R2

SAMPLE TYPE

S = Split Spoon A = Auger
T = Shelby Tube W = Wash
R = Air Rotary C = Core
D = Denison P = Piston N = No Sample

DEFINITIONS

SPT = Standard Penetration Test (ASTM D1586)
PID = Photo Ionization Detector Measurement
MSL = Mean Sea Level
ps/bg = point source/background

Depth (Ft.)	Sample Type & No.	Sample Rec. (Ft.,%)	SPT	Lab ID	PID (ppm) ps/bg	Visual Description	Well Installation Detail	Elevation (Ft. MSL)
11						Continued from Sheet 1		
12	A-N	--	--	--	--			
13							13.0	99.60
14	14.0							
15	S-1	1.4 70%	WOR	--	--	F SAND, some silt & roots, trace shell frag & clay; tan; v loose; wet		
16	16.0						16.0	96.60
17	S-2	1.3 65%	WOR	--	--	silt, little clay, trace shell & fossil frag; tan; v soft; wet		
18	18.0						18.0	94.60
19	S-3	1.6 80%	WOR	--	--	F SAND and SILT, little clay, trace m/c sand (as shells) & shell frag; tan; v soft; wet		
20	20.0							
21								
22	A-N	--	--	--	--			
23	23.5					23.5		89.10
24	S-4	1.0 100%	30 20	--	--	GABBRO frag, angular to to subangular in a clay matrix; black & brown; v dense; damp		
	24.5					24.5	24.5	88.10
25								
26								
27								
28								
29								
30								

DRILLING CO.: GeoWorks, Inc. BAKER REP.: Mark DeJohn

DRILLER: William Rolon BORING NO.: R7GW07R2 SHEET 2 OF 2

Baker

Baker Environmental

WELL DEVELOPMENT RECORD

Project: Naval Station Roosevelt Roads Base Landfill Well Replacement

Project. No: 101780 Monitoring Well ID: R7GW07R2

Date: September 26, 2003

Depth to Water: 14.7 (uncut PVC) Well Diameter: 2 (inches)

Total Well Depth: 25.0 (uncut PVC) Gallons/foot: 0.163

Well Volume: 1.7 (Gallons) Avg. Flow Rate: 0.4 gpm

Time	Gallons Removed	Well Volume	Temperature (^{o}C)	Specific Conductance (mS/cm)	pH (SU)	Turbidity (NTU)	Comments
0836	5	3.0	31.6	5,366	6.78	Er3[(1)]	Milky brown, no odor
0838	8	4.7	--	--	--	--	Pumped dry; slower flow
0842	10	5.9	32.9	7,593	6.94	Er3	Milky brown, no odor
0857	15	8.9	32.9	6,816	6.94	Er3	Slightly less turbid
0900	--	--	--	--	--	--	flow rate increarsed; well dry
0919	18	10.7	--	--	--	373	Cloudy
0924	20	11.9	35.3	7,370	6.95	341	Temp affected by ambient air
0933	25	14.8	33.5	7,354	6.95	Er3	Turbid, gray w/ incr flow rate
0934	27	16.0	--	--	--	--	Well dry; stop pumping

Notes: [(1)] Value is over range of instrument

APPENDIX B
Background Groundwater Data and Statistics

APPENDIX B

BACKGROUND GROUNDWATER QUALITY

SOLID WASTE LANDFILL FACILITY
NAVAL ACTIVITY PUERTO RICO, CEIBA, PUERTO RICO

Appendix I Parameters	Federal MCL (Tap Water RBC)	Overall Background Upper Limit of Means	Upgradient Background Average/ Max (1)	R7GW01 Intrawell Average/Max, Upgradient
Detected Volatiles (ug/l)				
1,1-Dichloroethane	NE (798)	1	ND	ND
1,1-Dichloroethene	7	1	ND	ND
Acetone	NE (610)	7.74	2	ND
Carbon Disulfide	NE (1000)	2.2	ND	ND
Chlorobenzene	100	0.8	ND	ND
Chloromethane	NE (190)	0.7	ND	ND
cis-1,2-Dichloroethene	70	3.1	ND	ND
Dibromomethane	NE (608)	4.6	ND	ND
Ethylbenzene	700	15	ND	ND
Vinyl chloride	2	1	ND	ND
Non-Detected Volatiles (ug/l)				
Acrylonitrile	NE (0.037)	ND	ND	ND
Benzene	5	ND	ND	ND
Bromochloromethane	NE	ND	ND	ND
Bromodichloromethane	NE (1.7)	ND	ND	ND
Bromoform	NE (84)	ND	ND	ND
Carbon tetrachloride	5	ND	ND	ND
Chloroethane	NE (36)	ND	ND	ND
Chloroform	NE (1.5)	ND	ND	ND
Dibromochloromethane	NE (1.2)	ND	ND	ND
1,2-Dibromo-3-chloropropane	0.2	ND	ND	ND
1,2-Dibromoethane (EDB)	NE (0.0075)	ND	ND	ND
1,2-Dichlorobenzene	600	ND	ND	ND
1,4-Dichlorobenzene	75	ND	ND	ND
trans-1,4-Dichloro-2-butene	NE	ND	ND	ND
1,2-Dichloroethane	5	ND	ND	ND
trans-1,2-Dichloroethene	100	ND	ND	ND
1,2-Dichloropropane	5	ND	ND	ND
cis-1,3-Dichloropropene	NE	ND	ND	ND
trans-1,3-Dichloropropene	NE	ND	ND	ND
2-Hexanone	NE (1460)	ND	ND	ND
Bromomethane	NE (8.52)	ND	ND	ND
Dichloromethane	5	ND	ND	ND
2-Butanone (MEK)	NE (1910)	ND	ND	ND
Iodomethane	NE	ND	ND	ND
4-Methyl-2-pentanone (MIBK)	NE (2000)	ND	ND	ND
Styrene	100	ND	ND	ND
1,1,1,2-Tetrachloroethane	NE (4.1)	ND	ND	ND
1,1,2,2-Tetrachloroethane	NE (0.53)	ND	ND	ND
Tetrachloroethene	5	ND	ND	ND
Toluene	1000	ND	ND	ND
1,1,1-Trichloroethane	200	ND	ND	ND
1,1,2-Trichloroethane	5	ND	ND	ND
Trichloroethene	5	ND	ND	ND
Trichlorofluoromethane	NE (1300)	ND	ND	ND
1,2,3-Trichloropropane	NE (0.05)	ND	ND	ND
Vinyl acetate	NE (410)	ND	ND	ND
Xylenes, Total	10000	ND	ND	ND

(see notes on last page)

APPENDIX B

BACKGROUND GROUNDWATER QUALITY

SOLID WASTE LANDFILL FACILITY
NAVAL ACTIVITY PUERTO RICO, CEIBA, PUERTO RICO

Appendix I Parameters	Federal MCL (Tap Water RBC)	Overall Background Upper Limit of Means	Upgradient Background Average/ Max (1)	R7GW02 Intrawell Average/Max
Detected Volatiles (ug/l)				
1,1-Dichloroethane	NE (798)	1	ND	ND
1,1-Dichloroethene	7	1	ND	ND
Acetone	NE (610)	7.74	2	ND
Carbon Disulfide	NE (1000)	2.2	ND	ND
Chlorobenzene	100	0.8	ND	ND
Chloromethane	NE (190)	0.7	ND	ND
cis-1,2-Dichloroethene	70	3.1	ND	ND
Dibromomethane	NE (608)	4.6	ND	ND
Ethylbenzene	700	15	ND	ND
Vinyl chloride	2	1	ND	ND
Non-Detected Volatiles (ug/l)				
Acrylonitrile	NE (0.037)	ND	ND	ND
Benzene	5	ND	ND	ND
Bromochloromethane	NE	ND	ND	ND
Bromodichloromethane	NE (1.7)	ND	ND	ND
Bromoform	NE (84)	ND	ND	ND
Carbon tetrachloride	5	ND	ND	ND
Chloroethane	NE (36)	ND	ND	ND
Chloroform	NE (1.5)	ND	ND	ND
Dibromochloromethane	NE (1.2)	ND	ND	ND
1,2-Dibromo-3-chloropropane	0.2	ND	ND	ND
1,2-Dibromoethane (EDB)	NE (0.0075)	ND	ND	ND
1,2-Dichlorobenzene	600	ND	ND	ND
1,4-Dichlorobenzene	75	ND	ND	ND
trans-1,4-Dichloro-2-butene	NE	ND	ND	ND
1,2-Dichloroethane	5	ND	ND	ND
trans-1,2-Dichloroethene	100	ND	ND	ND
1,2-Dichloropropane	5	ND	ND	ND
cis-1,3-Dichloropropene	NE	ND	ND	ND
trans-1,3-Dichloropropene	NE	ND	ND	ND
2-Hexanone	NE (1460)	ND	ND	ND
Bromomethane	NE (8.52)	ND	ND	ND
Dichloromethane	5	ND	ND	ND
2-Butanone (MEK)	NE (1910)	ND	ND	ND
Iodomethane	NE	ND	ND	ND
4-Methyl-2-pentanone (MIBK)	NE (2000)	ND	ND	ND
Styrene	100	ND	ND	ND
1,1,1,2-Tetrachloroethane	NE (4.1)	ND	ND	ND
1,1,2,2-Tetrachloroethane	NE (0.53)	ND	ND	ND
Tetrachloroethene	5	ND	ND	ND
Toluene	1000	ND	ND	ND
1,1,1-Trichloroethane	200	ND	ND	ND
1,1,2-Trichloroethane	5	ND	ND	ND
Trichloroethene	5	ND	ND	ND
Trichlorofluoromethane	NE (1300)	ND	ND	ND
1,2,3-Trichloropropane	NE (0.05)	ND	ND	ND
Vinyl acetate	NE (410)	ND	ND	ND
Xylenes, Total	10000	ND	ND	ND

(see notes on last page)

APPENDIX B

BACKGROUND GROUNDWATER QUALITY

SOLID WASTE LANDFILL FACILITY
NAVAL ACTIVITY PUERTO RICO, CEIBA, PUERTO RICO

Appendix I Parameters	Federal MCL (Tap Water RBC)	Overall Background Upper Limit of Means	Upgradient Background Average/ Max (1)	R7GW04 Intrawell Average/Max
Detected Volatiles (ug/l)				
1,1-Dichloroethane	NE (798)	1	ND	ND
1,1-Dichloroethene	7	1	ND	ND
Acetone	NE (610)	7.74	2	5
Carbon Disulfide	NE (1000)	2.2	ND	ND
Chlorobenzene	100	0.8	ND	ND
Chloromethane	NE (190)	0.7	ND	0.7
cis-1,2-Dichloroethene	70	3.1	ND	ND
Dibromomethane	NE (608)	4.6	ND	ND
Ethylbenzene	700	15	ND	ND
Vinyl chloride	2	1	ND	ND
Non-Detected Volatiles (ug/l)				
Acrylonitrile	NE (0.037)	ND	ND	ND
Benzene	5	ND	ND	ND
Bromochloromethane	NE	ND	ND	ND
Bromodichloromethane	NE (1.7)	ND	ND	ND
Bromoform	NE (84)	ND	ND	ND
Carbon tetrachloride	5	ND	ND	ND
Chloroethane	NE (36)	ND	ND	ND
Chloroform	NE (1.5)	ND	ND	ND
Dibromochloromethane	NE (1.2)	ND	ND	ND
1,2-Dibromo-3-chloropropane	0.2	ND	ND	ND
1,2-Dibromoethane (EDB)	NE (0.0075)	ND	ND	ND
1,2-Dichlorobenzene	600	ND	ND	ND
1,4-Dichlorobenzene	75	ND	ND	ND
trans-1,4-Dichloro-2-butene	NE	ND	ND	ND
1,2-Dichloroethane	5	ND	ND	ND
trans-1,2-Dichloroethene	100	ND	ND	ND
1,2-Dichloropropane	5	ND	ND	ND
cis-1,3-Dichloropropene	NE	ND	ND	ND
trans-1,3-Dichloropropene	NE	ND	ND	ND
2-Hexanone	NE (1460)	ND	ND	ND
Bromomethane	NE (8.52)	ND	ND	ND
Dichloromethane	5	ND	ND	ND
2-Butanone (MEK)	NE (1910)	ND	ND	ND
Iodomethane	NE	ND	ND	ND
4-Methyl-2-pentanone (MIBK)	NE (2000)	ND	ND	ND
Styrene	100	ND	ND	ND
1,1,1,2-Tetrachloroethane	NE (4.1)	ND	ND	ND
1,1,2,2-Tetrachloroethane	NE (0.53)	ND	ND	ND
Tetrachloroethene	5	ND	ND	ND
Toluene	1000	ND	ND	ND
1,1,1-Trichloroethane	200	ND	ND	ND
1,1,2-Trichloroethane	5	ND	ND	ND
Trichloroethene	5	ND	ND	ND
Trichlorofluoromethane	NE (1300)	ND	ND	ND
1,2,3-Trichloropropane	NE (0.05)	ND	ND	ND
Vinyl acetate	NE (410)	ND	ND	ND
Xylenes, Total	10000	ND	ND	ND

(see notes on last page)

APPENDIX B

BACKGROUND GROUNDWATER QUALITY

SOLID WASTE LANDFILL FACILITY
NAVAL ACTIVITY PUERTO RICO, CEIBA, PUERTO RICO

Appendix I Parameters	Federal MCL (Tap Water RBC)	Overall Background Upper Limit of Means	Upgradient Background Average/ Max (1)	R7GW05 Intrawell Average/Max
Detected Volatiles (ug/l)				
1,1-Dichloroethane	NE (798)	1	ND	1
1,1-Dichloroethene	7	1	ND	1
Acetone	NE (610)	7.74	2	ND
Carbon Disulfide	NE (1000)	2.2	ND	1.9
Chlorobenzene	100	0.8	ND	0.8
Chloromethane	NE (190)	0.7	ND	ND
cis-1,2-Dichloroethene	70	3.1	ND	1.3
Dibromomethane	NE (608)	4.6	ND	4.6
Ethylbenzene	700	15	ND	ND
Vinyl chloride	2	1	ND	1
Non-Detected Volatiles (ug/l)				
Acrylonitrile	NE (0.037)	ND	ND	ND
Benzene	5	ND	ND	ND
Bromochloromethane	NE	ND	ND	ND
Bromodichloromethane	NE (1.7)	ND	ND	ND
Bromoform	NE (84)	ND	ND	ND
Carbon tetrachloride	5	ND	ND	ND
Chloroethane	NE (36)	ND	ND	ND
Chloroform	NE (1.5)	ND	ND	ND
Dibromochloromethane	NE (1.2)	ND	ND	ND
1,2-Dibromo-3-chloropropane	0.2	ND	ND	ND
1,2-Dibromoethane (EDB)	NE (0.0075)	ND	ND	ND
1,2-Dichlorobenzene	600	ND	ND	ND
1,4-Dichlorobenzene	75	ND	ND	ND
trans-1,4-Dichloro-2-butene	NE	ND	ND	ND
1,2-Dichloroethane	5	ND	ND	ND
trans-1,2-Dichloroethene	100	ND	ND	ND
1,2-Dichloropropane	5	ND	ND	ND
cis-1,3-Dichloropropene	NE	ND	ND	ND
trans-1,3-Dichloropropene	NE	ND	ND	ND
2-Hexanone	NE (1460)	ND	ND	ND
Bromomethane	NE (8.52)	ND	ND	ND
Dichloromethane	5	ND	ND	ND
2-Butanone (MEK)	NE (1910)	ND	ND	ND
Iodomethane	NE	ND	ND	ND
4-Methyl-2-pentanone (MIBK)	NE (2000)	ND	ND	ND
Styrene	100	ND	ND	ND
1,1,1,2-Tetrachloroethane	NE (4.1)	ND	ND	ND
1,1,2,2-Tetrachloroethane	NE (0.53)	ND	ND	ND
Tetrachloroethene	5	ND	ND	ND
Toluene	1000	ND	ND	ND
1,1,1-Trichloroethane	200	ND	ND	ND
1,1,2-Trichloroethane	5	ND	ND	ND
Trichloroethene	5	ND	ND	ND
Trichlorofluoromethane	NE (1300)	ND	ND	ND
1,2,3-Trichloropropane	NE (0.05)	ND	ND	ND
Vinyl acetate	NE (410)	ND	ND	ND
Xylenes, Total	10000	ND	ND	ND

(see notes on last page)

APPENDIX B

BACKGROUND GROUNDWATER QUALITY

SOLID WASTE LANDFILL FACILITY
NAVAL ACTIVITY PUERTO RICO, CEIBA, PUERTO RICO

Appendix I Parameters	Federal MCL (Tap Water RBC)	Overall Background Upper Limit of Means	Upgradient Background Average/ Max (1)	R7GW07 Intrawell Average/Max (1)
Detected Volatiles (ug/l)				
1,1-Dichloroethane	NE (798)	1	ND	ND
1,1-Dichloroethene	7	1	ND	ND
Acetone	NE (610)	7.74	2	ND
Carbon Disulfide	NE (1000)	2.2	ND	ND
Chlorobenzene	100	0.8	ND	ND
Chloromethane	NE (190)	0.7	ND	ND
cis-1,2-Dichloroethene	70	3.1	ND	ND
Dibromomethane	NE (608)	4.6	ND	ND
Ethylbenzene	700	15	ND	ND
Vinyl chloride	2	1	ND	ND
Non-Detected Volatiles (ug/l)				
Acrylonitrile	NE (0.037)	ND	ND	ND
Benzene	5	ND	ND	ND
Bromochloromethane	NE	ND	ND	ND
Bromodichloromethane	NE (1.7)	ND	ND	ND
Bromoform	NE (84)	ND	ND	ND
Carbon tetrachloride	5	ND	ND	ND
Chloroethane	NE (36)	ND	ND	ND
Chloroform	NE (1.5)	ND	ND	ND
Dibromochloromethane	NE (1.2)	ND	ND	ND
1,2-Dibromo-3-chloropropane	0.2	ND	ND	ND
1,2-Dibromoethane (EDB)	NE (0.0075)	ND	ND	ND
1,2-Dichlorobenzene	600	ND	ND	ND
1,4-Dichlorobenzene	75	ND	ND	ND
trans-1,4-Dichloro-2-butene	NE	ND	ND	ND
1,2-Dichloroethane	5	ND	ND	ND
trans-1,2-Dichloroethene	100	ND	ND	ND
1,2-Dichloropropane	5	ND	ND	ND
cis-1,3-Dichloropropene	NE	ND	ND	ND
trans-1,3-Dichloropropene	NE	ND	ND	ND
2-Hexanone	NE (1460)	ND	ND	ND
Bromomethane	NE (8.52)	ND	ND	ND
Dichloromethane	5	ND	ND	ND
2-Butanone (MEK)	NE (1910)	ND	ND	ND
Iodomethane	NE	ND	ND	ND
4-Methyl-2-pentanone (MIBK)	NE (2000)	ND	ND	ND
Styrene	100	ND	ND	ND
1,1,1,2-Tetrachloroethane	NE (4.1)	ND	ND	ND
1,1,2,2-Tetrachloroethane	NE (0.53)	ND	ND	ND
Tetrachloroethene	5	ND	ND	ND
Toluene	1000	ND	ND	ND
1,1,1-Trichloroethane	200	ND	ND	ND
1,1,2-Trichloroethane	5	ND	ND	ND
Trichloroethene	5	ND	ND	ND
Trichlorofluoromethane	NE (1300)	ND	ND	ND
1,2,3-Trichloropropane	NE (0.05)	ND	ND	ND
Vinyl acetate	NE (410)	ND	ND	ND
Xylenes, Total	10000	ND	ND	ND

(see notes on last page)

APPENDIX B

BACKGROUND GROUNDWATER QUALITY

SOLID WASTE LANDFILL FACILITY
NAVAL ACTIVITY PUERTO RICO, CEIBA, PUERTO RICO

Appendix I Parameters	Federal MCL (Tap Water RBC)	Overall Background Upper Limit of Means	Upgradient Background Average/ Max (1)	R7GW08 Intrawell Average/Max (1)
Detected Volatiles (ug/l)				
1,1-Dichloroethane	NE (798)	1	ND	ND
1,1-Dichloroethene	7	1	ND	ND
Acetone	NE (610)	7.74	2	ND
Carbon Disulfide	NE (1000)	2.2	ND	ND
Chlorobenzene	100	0.8	ND	ND
Chloromethane	NE (190)	0.7	ND	ND
cis-1,2-Dichloroethene	70	3.1	ND	ND
Dibromomethane	NE (608)	4.6	ND	ND
Ethylbenzene	700	15	ND	ND
Vinyl chloride	2	1	ND	ND
Non-Detected Volatiles (ug/l)				
Acrylonitrile	NE (0.037)	ND	ND	ND
Benzene	5	ND	ND	ND
Bromochloromethane	NE	ND	ND	ND
Bromodichloromethane	NE (1.7)	ND	ND	ND
Bromoform	NE (84)	ND	ND	ND
Carbon tetrachloride	5	ND	ND	ND
Chloroethane	NE (36)	ND	ND	ND
Chloroform	NE (1.5)	ND	ND	ND
Dibromochloromethane	NE (1.2)	ND	ND	ND
1,2-Dibromo-3-chloropropane	0.2	ND	ND	ND
1,2-Dibromoethane (EDB)	NE (0.0075)	ND	ND	ND
1,2-Dichlorobenzene	600	ND	ND	ND
1,4-Dichlorobenzene	75	ND	ND	ND
trans-1,4-Dichloro-2-butene	NE	ND	ND	ND
1,2-Dichloroethane	5	ND	ND	ND
trans-1,2-Dichloroethene	100	ND	ND	ND
1,2-Dichloropropane	5	ND	ND	ND
cis-1,3-Dichloropropene	NE	ND	ND	ND
trans-1,3-Dichloropropene	NE	ND	ND	ND
2-Hexanone	NE (1460)	ND	ND	ND
Bromomethane	NE (8.52)	ND	ND	ND
Dichloromethane	5	ND	ND	ND
2-Butanone (MEK)	NE (1910)	ND	ND	ND
Iodomethane	NE	ND	ND	ND
4-Methyl-2-pentanone (MIBK)	NE (2000)	ND	ND	ND
Styrene	100	ND	ND	ND
1,1,1,2-Tetrachloroethane	NE (4.1)	ND	ND	ND
1,1,2,2-Tetrachloroethane	NE (0.53)	ND	ND	ND
Tetrachloroethene	5	ND	ND	ND
Toluene	1000	ND	ND	ND
1,1,1-Trichloroethane	200	ND	ND	ND
1,1,2-Trichloroethane	5	ND	ND	ND
Trichloroethene	5	ND	ND	ND
Trichlorofluoromethane	NE (1300)	ND	ND	ND
1,2,3-Trichloropropane	NE (0.05)	ND	ND	ND
Vinyl acetate	NE (410)	ND	ND	ND
Xylenes, Total	10000	ND	ND	ND

(see notes on last page)

APPENDIX B

BACKGROUND GROUNDWATER QUALITY

SOLID WASTE LANDFILL FACILITY
NAVAL ACTIVITY PUERTO RICO, CEIBA, PUERTO RICO

Appendix I Parameters	Federal MCL (Tap Water RBC)	Overall Background Upper Limit of Means	Upgradient Background Average/ Max (1)	R7GW09 Intrawell Average/Max (1)
Detected Volatiles (ug/l)				
1,1-Dichloroethane	NE (798)	1	ND	ND
1,1-Dichloroethene	7	1	ND	ND
Acetone	NE (610)	7.74	2	ND
Carbon Disulfide	NE (1000)	2.2	ND	1.6
Chlorobenzene	100	0.8	ND	ND
Chloromethane	NE (190)	0.7	ND	ND
cis-1,2-Dichloroethene	70	3.1	ND	ND
Dibromomethane	NE (608)	4.6	ND	ND
Ethylbenzene	700	15	ND	ND
Vinyl chloride	2	1	ND	ND
Non-Detected Volatiles (ug/l)				
Acrylonitrile	NE (0.037)	ND	ND	ND
Benzene	5	ND	ND	ND
Bromochloromethane	NE	ND	ND	ND
Bromodichloromethane	NE (1.7)	ND	ND	ND
Bromoform	NE (84)	ND	ND	ND
Carbon tetrachloride	5	ND	ND	ND
Chloroethane	NE (36)	ND	ND	ND
Chloroform	NE (1.5)	ND	ND	ND
Dibromochloromethane	NE (1.2)	ND	ND	ND
1,2-Dibromo-3-chloropropane	0.2	ND	ND	ND
1,2-Dibromoethane (EDB)	NE (0.0075)	ND	ND	ND
1,2-Dichlorobenzene	600	ND	ND	ND
1,4-Dichlorobenzene	75	ND	ND	ND
trans-1,4-Dichloro-2-butene	NE	ND	ND	ND
1,2-Dichloroethane	5	ND	ND	ND
trans-1,2-Dichloroethene	100	ND	ND	ND
1,2-Dichloropropane	5	ND	ND	ND
cis-1,3-Dichloropropene	NE	ND	ND	ND
trans-1,3-Dichloropropene	NE	ND	ND	ND
2-Hexanone	NE (1460)	ND	ND	ND
Bromomethane	NE (8.52)	ND	ND	ND
Dichloromethane	5	ND	ND	ND
2-Butanone (MEK)	NE (1910)	ND	ND	ND
Iodomethane	NE	ND	ND	ND
4-Methyl-2-pentanone (MIBK)	NE (2000)	ND	ND	ND
Styrene	100	ND	ND	ND
1,1,1,2-Tetrachloroethane	NE (4.1)	ND	ND	ND
1,1,2,2-Tetrachloroethane	NE (0.53)	ND	ND	ND
Tetrachloroethene	5	ND	ND	ND
Toluene	1000	ND	ND	ND
1,1,1-Trichloroethane	200	ND	ND	ND
1,1,2-Trichloroethane	5	ND	ND	ND
Trichloroethene	5	ND	ND	ND
Trichlorofluoromethane	NE (1300)	ND	ND	ND
1,2,3-Trichloropropane	NE (0.05)	ND	ND	ND
Vinyl acetate	NE (410)	ND	ND	ND
Xylenes, Total	10000	ND	ND	ND

(see notes on last page)

APPENDIX B

BACKGROUND GROUNDWATER QUALITY

SOLID WASTE LANDFILL FACILITY
NAVAL ACTIVITY PUERTO RICO, CEIBA, PUERTO RICO

Appendix I Parameters	Federal MCL (Tap Water RBC)	Overall Background Upper Limit of Means	Upgradient Background Average/ Max (1)	R7GW10 Intrawell Average/Max (1)
Detected Volatiles (ug/l)				
1,1-Dichloroethane	NE (798)	1	ND	ND
1,1-Dichloroethene	7	1	ND	ND
Acetone	NE (610)	7.74	2	ND
Carbon Disulfide	NE (1000)	2.2	ND	ND
Chlorobenzene	100	0.8	ND	ND
Chloromethane	NE (190)	0.7	ND	ND
cis-1,2-Dichloroethene	70	3.1	ND	ND
Dibromomethane	NE (608)	4.6	ND	ND
Ethylbenzene	700	15	ND	15
Vinyl chloride	2	1	ND	ND
Non-Detected Volatiles (ug/l)				
Acrylonitrile	NE (0.037)	ND	ND	ND
Benzene	5	ND	ND	ND
Bromochloromethane	NE	ND	ND	ND
Bromodichloromethane	NE (1.7)	ND	ND	ND
Bromoform	NE (84)	ND	ND	ND
Carbon tetrachloride	5	ND	ND	ND
Chloroethane	NE (36)	ND	ND	ND
Chloroform	NE (1.5)	ND	ND	ND
Dibromochloromethane	NE (1.2)	ND	ND	ND
1,2-Dibromo-3-chloropropane	0.2	ND	ND	ND
1,2-Dibromoethane (EDB)	NE (0.0075)	ND	ND	ND
1,2-Dichlorobenzene	600	ND	ND	ND
1,4-Dichlorobenzene	75	ND	ND	ND
trans-1,4-Dichloro-2-butene	NE	ND	ND	ND
1,2-Dichloroethane	5	ND	ND	ND
trans-1,2-Dichloroethene	100	ND	ND	ND
1,2-Dichloropropane	5	ND	ND	ND
cis-1,3-Dichloropropene	NE	ND	ND	ND
trans-1,3-Dichloropropene	NE	ND	ND	ND
2-Hexanone	NE (1460)	ND	ND	ND
Bromomethane	NE (8.52)	ND	ND	ND
Dichloromethane	5	ND	ND	ND
2-Butanone (MEK)	NE (1910)	ND	ND	ND
Iodomethane	NE	ND	ND	ND
4-Methyl-2-pentanone (MIBK)	NE (2000)	ND	ND	ND
Styrene	100	ND	ND	ND
1,1,1,2-Tetrachloroethane	NE (4.1)	ND	ND	ND
1,1,2,2-Tetrachloroethane	NE (0.53)	ND	ND	ND
Tetrachloroethene	5	ND	ND	ND
Toluene	1000	ND	ND	ND
1,1,1-Trichloroethane	200	ND	ND	ND
1,1,2-Trichloroethane	5	ND	ND	ND
Trichloroethene	5	ND	ND	ND
Trichlorofluoromethane	NE (1300)	ND	ND	ND
1,2,3-Trichloropropane	NE (0.05)	ND	ND	ND
Vinyl acetate	NE (410)	ND	ND	ND
Xylenes, Total	10000	ND	ND	ND

(see notes on last page)

APPENDIX B

BACKGROUND GROUNDWATER QUALITY

SOLID WASTE LANDFILL FACILITY
NAVAL ACTIVITY PUERTO RICO, CEIBA, PUERTO RICO

Appendix I Parameters	Federal MCL (Tap Water RBC)	Overall Background Upper Limit of Means	Upgradient Background Average/ Max (1)	R7GW11 Intrawell Average/Max (1), Upgradient
Detected Volatiles (ug/l)				
1,1-Dichloroethane	NE (798)	1	ND	ND
1,1-Dichloroethene	7	1	ND	ND
Acetone	NE (610)	7.74	2	2
Carbon Disulfide	NE (1000)	2.2	ND	ND
Chlorobenzene	100	0.8	ND	ND
Chloromethane	NE (190)	0.7	ND	ND
cis-1,2-Dichloroethene	70	3.1	ND	ND
Dibromomethane	NE (608)	4.6	ND	ND
Ethylbenzene	700	15	ND	ND
Vinyl chloride	2	1	ND	ND
Non-Detected Volatiles (ug/l)				
Acrylonitrile	NE (0.037)	ND	ND	ND
Benzene	5	ND	ND	ND
Bromochloromethane	NE	ND	ND	ND
Bromodichloromethane	NE (1.7)	ND	ND	ND
Bromoform	NE (84)	ND	ND	ND
Carbon tetrachloride	5	ND	ND	ND
Chloroethane	NE (36)	ND	ND	ND
Chloroform	NE (1.5)	ND	ND	ND
Dibromochloromethane	NE (1.2)	ND	ND	ND
1,2-Dibromo-3-chloropropane	0.2	ND	ND	ND
1,2-Dibromoethane (EDB)	NE (0.0075)	ND	ND	ND
1,2-Dichlorobenzene	600	ND	ND	ND
1,4-Dichlorobenzene	75	ND	ND	ND
trans-1,4-Dichloro-2-butene	NE	ND	ND	ND
1,2-Dichloroethane	5	ND	ND	ND
trans-1,2-Dichloroethene	100	ND	ND	ND
1,2-Dichloropropane	5	ND	ND	ND
cis-1,3-Dichloropropene	NE	ND	ND	ND
trans-1,3-Dichloropropene	NE	ND	ND	ND
2-Hexanone	NE (1460)	ND	ND	ND
Bromomethane	NE (8.52)	ND	ND	ND
Dichloromethane	5	ND	ND	ND
2-Butanone (MEK)	NE (1910)	ND	ND	ND
Iodomethane	NE	ND	ND	ND
4-Methyl-2-pentanone (MIBK)	NE (2000)	ND	ND	ND
Styrene	100	ND	ND	ND
1,1,1,2-Tetrachloroethane	NE (4.1)	ND	ND	ND
1,1,2,2-Tetrachloroethane	NE (0.53)	ND	ND	ND
Tetrachloroethene	5	ND	ND	ND
Toluene	1000	ND	ND	ND
1,1,1-Trichloroethane	200	ND	ND	ND
1,1,2-Trichloroethane	5	ND	ND	ND
Trichloroethene	5	ND	ND	ND
Trichlorofluoromethane	NE (1300)	ND	ND	ND
1,2,3-Trichloropropane	NE (0.05)	ND	ND	ND
Vinyl acetate	NE (410)	ND	ND	ND
Xylenes, Total	10000	ND	ND	ND

(see notes on last page)

APPENDIX B

BACKGROUND GROUNDWATER QUALITY

SOLID WASTE LANDFILL FACILITY
NAVAL ACTIVITY PUERTO RICO, CEIBA, PUERTO RICO

Appendix I Parameters	Federal MCL (Tap Water RBC)	Overall Background Upper Limit of Means	Upgradient Background Average/ Max (1)	R7GW01 Intrawell Average/Max, Upgradient
Detected Total Metals (mg/l)				
Antimony	0.006	0.002	ND	ND
Arsenic	0.01	**0.0219**	ND	ND
Barium	2	0.5372	0.1298	0.174
Cadmium	0.005	0.000602	ND	ND
Chromium	0.1	0.085	0.0259	0.028
Cobalt	NE (0.73)	0.0731	0.0188	0.02445
Copper	1.3	0.1434	0.0456	0.0447
Lead	0.015	0.011	0.0018	ND
Nickel	NE (0.73)	0.0313	0.0161	0.0022
Silver	NE (0.18)	0.01	0.01	0.01
Vanadium	NE (0.26)	0.0939	0.0402	0.0498
Zinc	NE (10.95)	4.4103	0.1494	4.066
Non-Detected Total Metals (mg/l)				
Beryllium	0.004	ND	ND	ND
Selenium	0.05	ND	ND	ND
Thallium	0.002	ND	ND	ND

Notes:
(1) Average determined on detections only, unless frequency of detection is above 50%.
ND - Not Detected
NE - Not Established
Bold--indicates exceedance of Federal MCL or tap water RBC
Background not absolutely quantified, too few detections

APPENDIX B

BACKGROUND GROUNDWATER QUALITY

SOLID WASTE LANDFILL FACILITY
NAVAL ACTIVITY PUERTO RICO, CEIBA, PUERTO RICO

Appendix I Parameters	Federal MCL (Tap Water RBC)	Overall Background Upper Limit of Means	Upgradient Background Average/ Max (1)	R7GW02 Intrawell Average/Max
Detected Total Metals (mg/l)				
Antimony	0.006	0.002	ND	ND
Arsenic	0.01	**0.0219**	ND	**0.0169**
Barium	2	0.5372	0.1298	0.014
Cadmium	0.005	0.000602	ND	ND
Chromium	0.1	0.085	0.0259	0.059
Cobalt	NE (0.73)	0.0731	0.0188	0.0016
Copper	1.3	0.1434	0.0456	0.0217
Lead	0.015	0.011	0.0018	ND
Nickel	NE (0.73)	0.0313	0.0161	0.00064
Silver	NE (0.18)	0.01	0.01	ND
Vanadium	NE (0.26)	0.0939	0.0402	0.0149
Zinc	NE (10.95)	4.4103	0.1494	0.1537
Non-Detected Total Metals (mg/l)				
Beryllium	0.004	ND	ND	ND
Selenium	0.05	ND	ND	ND
Thallium	0.002	ND	ND	ND

Notes:
(1) Average determined on detections only, unless frequency of detection is above 50%.
ND - Not Detected
NE - Not Established
Bold--indicates exceedance of Federal MCL or tap water RBC
Background not absolutely quantified, too few detections

APPENDIX B

BACKGROUND GROUNDWATER QUALITY

SOLID WASTE LANDFILL FACILITY
NAVAL ACTIVITY PUERTO RICO, CEIBA, PUERTO RICO

Appendix I Parameters	Federal MCL (Tap Water RBC)	Overall Background Upper Limit of Means	Upgradient Background Average/ Max (1)	R7GW04 Intrawell Average/Max
Detected Total Metals (mg/l)				
Antimony	0.006	0.002	ND	ND
Arsenic	0.01	**0.0219**	ND	ND
Barium	2	0.5372	0.1298	0.343
Cadmium	0.005	0.000602	ND	ND
Chromium	0.1	0.085	0.0259	0.039
Cobalt	NE (0.73)	0.0731	0.0188	0.0042
Copper	1.3	0.1434	0.0456	0.0494
Lead	0.015	0.011	0.0018	ND
Nickel	NE (0.73)	0.0313	0.0161	0.0011
Silver	NE (0.18)	0.01	0.01	ND
Vanadium	NE (0.26)	0.0939	0.0402	0.0239
Zinc	NE (10.95)	4.4103	0.1494	0.1864
Non-Detected Total Metals (mg/l)				
Beryllium	0.004	ND	ND	ND
Selenium	0.05	ND	ND	ND
Thallium	0.002	ND	ND	ND

Notes:
(1) Average determined on detections only, unless frequency of detection is above 50%.
ND - Not Detected
NE - Not Established
Bold--indicates exceedance of Federal MCL or tap water RBC
Background not absolutely quantified, too few detections

APPENDIX B

BACKGROUND GROUNDWATER QUALITY

SOLID WASTE LANDFILL FACILITY
NAVAL ACTIVITY PUERTO RICO, CEIBA, PUERTO RICO

Appendix I Parameters	Federal MCL (Tap Water RBC)	Overall Background Upper Limit of Means	Upgradient Background Average/ Max (1)	R7GW05 Intrawell Average/Max
Detected Total Metals (mg/l)				
Antimony	0.006	0.002	ND	ND
Arsenic	0.01	**0.0219**	ND	0.0062
Barium	2	0.5372	0.1298	0.011
Cadmium	0.005	0.000602	ND	ND
Chromium	0.1	0.085	0.0259	0.04
Cobalt	NE (0.73)	0.0731	0.0188	0.0016
Copper	1.3	0.1434	0.0456	0.0194
Lead	0.015	0.011	0.0018	ND
Nickel	NE (0.73)	0.0313	0.0161	0.00083
Silver	NE (0.18)	0.01	0.01	ND
Vanadium	NE (0.26)	0.0939	0.0402	0.0215
Zinc	NE (10.95)	4.4103	0.1494	0.1432
Non-Detected Total Metals (mg/l)				
Beryllium	0.004	ND	ND	ND
Selenium	0.05	ND	ND	ND
Thallium	0.002	ND	ND	ND

Notes:
(1) Average determined on detections only, unless frequency of detection is above 50%.
ND - Not Detected
NE - Not Established
Bold--indicates exceedance of Federal MCL or tap water RBC
Background not absolutely quantified, too few detections

APPENDIX B

BACKGROUND GROUNDWATER QUALITY

SOLID WASTE LANDFILL FACILITY
NAVAL ACTIVITY PUERTO RICO, CEIBA, PUERTO RICO

Appendix I Parameters	Federal MCL (Tap Water RBC)	Overall Background Upper Limit of Means	Upgradient Background Average/ Max (1)	R7GW07 Intrawell Average/Max (1)
Detected Total Metals (mg/l)				
Antimony	0.006	0.002	ND	ND
Arsenic	0.01	**0.0219**	ND	ND
Barium	2	0.5372	0.1298	0.01
Cadmium	0.005	0.000602	ND	ND
Chromium	0.1	0.085	0.0259	0.012
Cobalt	NE (0.73)	0.0731	0.0188	0.0005
Copper	1.3	0.1434	0.0456	0.0293
Lead	0.015	0.011	0.0018	0.0026
Nickel	NE (0.73)	0.0313	0.0161	ND
Silver	NE (0.18)	0.01	0.01	ND
Vanadium	NE (0.26)	0.0939	0.0402	0.0496
Zinc	NE (10.95)	4.4103	0.1494	0.1611
Non-Detected Total Metals (mg/l)				
Beryllium	0.004	ND	ND	ND
Selenium	0.05	ND	ND	ND
Thallium	0.002	ND	ND	ND

Notes:
(1) Average determined on detections only, unless frequency of detection is above 50%.
ND - Not Detected
NE - Not Established
Bold--indicates exceedance of Federal MCL or tap water RBC
Background not absolutely quantified, too few detections

APPENDIX B

BACKGROUND GROUNDWATER QUALITY

SOLID WASTE LANDFILL FACILITY
NAVAL ACTIVITY PUERTO RICO, CEIBA, PUERTO RICO

Appendix I Parameters	Federal MCL (Tap Water RBC)	Overall Background Upper Limit of Means	Upgradient Background Average/ Max (1)	R7GW08 Intrawell Average/Max (1)
Detected Total Metals (mg/l)				
Antimony	0.006	0.002	ND	ND
Arsenic	0.01	**0.0219**	ND	ND
Barium	2	0.5372	0.1298	0.035
Cadmium	0.005	0.000602	ND	ND
Chromium	0.1	0.085	0.0259	0.048
Cobalt	NE (0.73)	0.0731	0.0188	0.001
Copper	1.3	0.1434	0.0456	0.0263
Lead	0.015	0.011	0.0018	0.008
Nickel	NE (0.73)	0.0313	0.0161	0.0006
Silver	NE (0.18)	0.01	0.01	ND
Vanadium	NE (0.26)	0.0939	0.0402	0.0337
Zinc	NE (10.95)	4.4103	0.1494	0.1948
Non-Detected Total Metals (mg/l)				
Beryllium	0.004	ND	ND	ND
Selenium	0.05	ND	ND	ND
Thallium	0.002	ND	ND	ND

Notes:
(1) Average determined on detections only, unless frequency of detection is above 50%.
ND - Not Detected
NE - Not Established
Bold--indicates exceedance of Federal MCL or tap water RBC
Background not absolutely quantified, too few detections

APPENDIX B

BACKGROUND GROUNDWATER QUALITY

SOLID WASTE LANDFILL FACILITY
NAVAL ACTIVITY PUERTO RICO, CEIBA, PUERTO RICO

Appendix I Parameters	Federal MCL (Tap Water RBC)	Overall Background Upper Limit of Means	Upgradient Background Average/ Max (1)	R7GW09 Intrawell Average/Max (1)
Detected Total Metals (mg/l)				
Antimony	0.006	0.002	ND	ND
Arsenic	0.01	**0.0219**	ND	ND
Barium	2	0.5372	0.1298	0.146
Cadmium	0.005	0.000602	ND	0.00057
Chromium	0.1	0.085	0.0259	0.037
Cobalt	NE (0.73)	0.0731	0.0188	0.0518
Copper	1.3	0.1434	0.0456	0.1539
Lead	0.015	0.011	0.0018	ND
Nickel	NE (0.73)	0.0313	0.0161	0.0164
Silver	NE (0.18)	0.01	0.01	ND
Vanadium	NE (0.26)	0.0939	0.0402	0.0447
Zinc	NE (10.95)	4.4103	0.1494	0.1712
Non-Detected Total Metals (mg/l)				
Beryllium	0.004	ND	ND	ND
Selenium	0.05	ND	ND	ND
Thallium	0.002	ND	ND	ND

Notes:
(1) Average determined on detections only, unless frequency of detection is above 50%.
ND - Not Detected
NE - Not Established
Bold--indicates exceedance of Federal MCL or tap water RBC
Background not absolutely quantified, too few detections

APPENDIX B

BACKGROUND GROUNDWATER QUALITY

SOLID WASTE LANDFILL FACILITY
NAVAL ACTIVITY PUERTO RICO, CEIBA, PUERTO RICO

Appendix I Parameters	Federal MCL (Tap Water RBC)	Overall Background Upper Limit of Means	Upgradient Background Average/ Max (1)	R7GW10 Intrawell Average/Max (1)
Detected Total Metals (mg/l)				
Antimony	0.006	0.002	ND	0.002
Arsenic	0.01	**0.0219**	ND	**0.0101**
Barium	2	0.5372	0.1298	0.174
Cadmium	0.005	0.000602	ND	0.00054
Chromium	0.1	0.085	0.0259	0.015
Cobalt	NE (0.73)	0.0731	0.0188	0.0081
Copper	1.3	0.1434	0.0456	0.0258
Lead	0.015	0.011	0.0018	0.0069
Nickel	NE (0.73)	0.0313	0.0161	0.0068
Silver	NE (0.18)	0.01	0.01	0.01
Vanadium	NE (0.26)	0.0939	0.0402	0.052
Zinc	NE (10.95)	4.4103	0.1494	0.1809
Non-Detected Total Metals (mg/l)				
Beryllium	0.004	ND	ND	ND
Selenium	0.05	ND	ND	ND
Thallium	0.002	ND	ND	ND

Notes:
(1) Average determined on detections only, unless frequency of detection is above 50%.
ND - Not Detected
NE - Not Established
Bold--indicates exceedance of Federal MCL or tap water RBC
Background not absolutely quantified, too few detections

APPENDIX B

BACKGROUND GROUNDWATER QUALITY

SOLID WASTE LANDFILL FACILITY
NAVAL ACTIVITY PUERTO RICO, CEIBA, PUERTO RICO

Appendix I Parameters	Federal MCL (Tap Water RBC)	Overall Background Upper Limit of Means	Upgradient Background Average/ Max (1)	R7GW11 Intrawell Average/Max (1), Upgradient
Detected Total Metals (mg/l)				
Antimony	0.006	0.002	ND	ND
Arsenic	0.01	**0.0219**	ND	ND
Barium	2	0.5372	0.1298	0.044
Cadmium	0.005	0.000602	ND	ND
Chromium	0.1	0.085	0.0259	0.024
Cobalt	NE (0.73)	0.0731	0.0188	0.0004
Copper	1.3	0.1434	0.0456	0.0842
Lead	0.015	0.011	0.0018	0.0018
Nickel	NE (0.73)	0.0313	0.0161	0.03
Silver	NE (0.18)	0.01	0.01	ND
Vanadium	NE (0.26)	0.0939	0.0402	0.0406
Zinc	NE (10.95)	4.4103	0.1494	0.3318
Non-Detected Total Metals (mg/l)				
Beryllium	0.004	ND	ND	ND
Selenium	0.05	ND	ND	ND
Thallium	0.002	ND	ND	ND

Notes:
(1) Average determined on detections only, unless frequency of detection is above 50%.
ND - Not Detected
NE - Not Established
Bold--indicates exceedance of Federal MCL or tap water RBC
Background not absolutely quantified, too few detections

APPENDIX C
Chain of Custody Records

Serial Number 07174

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

SEVERN TRENT **STL**

Master Air Waybill # 8406 3608 8530

STL Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Website: www.stl-inc.com
Phone: (912) 354-7858
Fax: (912) 352-0165

3-01

Alternate Laboratory Name/Location
Phone:
Fax:

PROJECT REFERENCE: Base Landfill	PROJECT NO.: T.O. 10	PROJECT LOCATION (STATE): PR
STL (LAB) PROJECT MANAGER: Angie Weimerskirk	P.O. NUMBER: 101780-1	CONTRACT NO.: 101780-3
CLIENT (SITE) PM: Jon Edel	CLIENT PHONE: (412) 974-5704	CLIENT FAX: (412) 375-3995
CLIENT NAME: Baker	CLIENT E-MAIL: mkimes@mbakercorp.com	
CLIENT ADDRESS: 100 Airside Drive, Moon Twp., PA 15108		
COMPANY CONTRACTING THIS WORK (if applicable): Baker		

PAGE 1 OF 2

STANDARD REPORT DELIVERY
DATE DUE 28 DAY TAT
EXPEDITED REPORT DELIVERY (SURCHARGE)
DATE DUE _____

NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT,...)	APP 1 VOCs SW-846/8260	APP 1 Metals SW-846/6010	APP 1 Diss. Metals SW-846/6010	8270	1-4 - Dioxane 8270	Beta-BHC 8081					REMARKS
								HCl	PRESERVATIVE									
								NUMBER OF CONTAINERS SUBMITTED										
3/1/04	1352	R7GW01R-09	G	X				4										
3/2/04	0840	R7GW02R-09	G	X				4										
3/2/04	0840	R7GW02R-09D	G	X				4										
3/2/04	0840	R7GW02R-09 MS	G	X				4										TEMP. 1.9/1.9/1.9/2.0
3/2/04	0840	R7GW02R-09 MSD	G	X				4										2.1/2.1/1.9/2.0/2.0
3/2/04	1220	R7GW04R-09	G	X				4										
3/1/04	1720	R7GW05R-09	G	X				4										
3/1/04	1510	R7GW07R2-09	G	X				4										
3/1/04	1150	R7GW08R-09	G	X				4										
3/2/04	1120	R7GW09-09	G	X				4										
3/1/04	1620	R7GW10-09	G	X				4										
3/1/04	1050	R7GW11-09	G	X				4										

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
EMPTY CONTAINERS			[signature]	3/2/04	1530			
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**
[signature]	3/1/04	0730						

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	STL SAVANNAH LOG NO.	LABORATORY REMARKS
[signature]	3/2/04	0917	YES / NO		34416	

STL8240-680 (12/02)

Serial Number 07181

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

SEVERN TRENT **STL**

STL Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Website: www.stl-inc.com
Phone: (912) 354-7858
Fax: (912) 352-0165

3-01

Alternate Laboratory Name/Location
Phone:
Fax:

PROJECT REFERENCE: Base Landfill	PROJECT NO.: T.O. 10	PROJECT LOCATION (STATE): PR
STL (LAB) PROJECT MANAGER: Angie Weimerskirk	P.O. NUMBER: 101780-1	CONTRACT NO.: 101780-3
CLIENT (SITE) PM: Jon Edel	CLIENT PHONE: (412) 974-5704	CLIENT FAX: (412) 375-3995
CLIENT NAME: Baker	CLIENT E-MAIL: mkimes@mbakercorp.com	
CLIENT ADDRESS: 100 Airside Drive, Moon Twp., PA 15108		
COMPANY CONTRACTING THIS WORK (if applicable): Baker		

PAGE 2 OF 2

STANDARD REPORT DELIVERY ●
DATE DUE 28 Day TAT
EXPEDITED REPORT DELIVERY (SURCHARGE) ○
DATE DUE _____

NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT,...)	APP 1 VOCs SW-846/8260	APP 1 Metals SW-846/6010	APP 1 Diss. Metals SW-846/6010	8270	1-4 - Dioxane 8270	Beta-BHC 8081					REMARKS
								HCl	PRESERVATIVE									
								NUMBER OF CONTAINERS SUBMITTED										
3/2/04	1415	RTB01-09	G	X				4										
3/2/04	1445	R7ER01-09	G	X				4										
3/2/04	1425	R7FB01-09	G	X				4										

TEMP 2.1/1.9/2.0/2.0
1.9/1.9/1.9/2.0/2.1

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
EMPTY CONTAINERS			[signature]	3/2/04	1530			
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**
EMPTY CONTAINERS [signature]	3/1/04	0730						

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	STL SAVANNAH LOG NO.	LABORATORY REMARKS
[signature]	3/3/04	9:17	YES ○ NO ○		S4L1165	

STL8240-680 (12/02)

Serial Number 07182

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

SEVERN TRENT **STL**

IMPS # 8404 5677 8760

STL Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Website: www.stl-inc.com
Phone: (912) 354-7858
Fax: (912) 352-0165

3-02

Alternate Laboratory Name/Location
Phone:
Fax:

PROJECT REFERENCE	PROJECT NO.	PROJECT LOCATION (STATE)
Base Landfill	T.O. 10	PR
STL (LAB) PROJECT MANAGER: Angie Weimerskirk	P.O. NUMBER: 101780-1	CONTRACT NO.: 101780-3
CLIENT (SITE) PM: Jon Edel	CLIENT PHONE: (412) 974-5704	CLIENT FAX: (412) 375-3995
CLIENT NAME: Baker	CLIENT E-MAIL: mkimes@mbakercorp.com	
CLIENT ADDRESS: 100 Airside Drive, Moon Twp., PA 15108		
COMPANY CONTRACTING THIS WORK (if applicable): Baker		

PAGE 1 OF 2

STANDARD REPORT DELIVERY ●
DATE DUE 28 Day TAT
EXPEDITED REPORT DELIVERY (SURCHARGE) ○
DATE DUE _____

NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

PRESERVATIVE: HNO3

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT,...)	APP 1 VOCs SW-846/8260	APP 1 Metals SW-846/6010	APP 1 Diss. Metals SW-846/6010	8270	1-4 - Dioxane 8270	Beta-BHC 8081					REMARKS
3/1/04	1352	R7GW01R-09	G	X					1	1*								* Please filter and preserve
3/2/04	0840	R7GW02R-09	G	X					1	1*								
3/2/04	0840	R7GW02R-09D	G	X					1	1*								
3/2/04	0840	R7GW02R-09MS	G	X					1	1*								
3/2/04	0840	R7GW02R-09MSD	G	X					1	1*								
3/2/04	1220	R7GW04R-09	G	X					1	1*								
3/1/04	1720	R7GW05R-09	G	X					1	1*								
3/1/04	1510	R7GW07R2-09	G	X					1	1*								
3/1/04	1150	R7GW08R2-09	G	X					1	1*								
3/2/04	1120	R7GW09-09	G	X					1	1*								
3/1/04	1620	R7GW10-09	G	X					1	1*								
3/1/04	1050	R7GW11-09	G	X					1	1*								

TEMP. 1.9/1.9/1.9/2.0/2.1/2.1/1.9/2.0/2.0

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
EMPTY CONTAINERS			Jon C. Edel Jr.	3/2/04	1530			
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**
EMPTY CONTAINERS Jon C. Edel Jr.	3/1/04	0730						

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	STL SAVANNAH LOG NO.	LABORATORY REMARKS
Lisa Wilson	3/3/04	1717	YES ○ NO ○		34 4695	

STL8240-680 (12/02)

Serial Number 07176

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

SEVERN TRENT **STL** IMPS # 8404 5677 8760

STL Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Website: www.stl-inc.com
Phone: (912) 354-7858
Fax: (912) 352-0165

3-02

Alternate Laboratory Name/Location
Phone:
Fax:

PROJECT REFERENCE	PROJECT NO.	PROJECT LOCATION (STATE)
Base Landfill	T.O. 10	PR
STL (LAB) PROJECT MANAGER: Angie Weimerskirk	P.O. NUMBER: 101780-1	CONTRACT NO.: 101780-3
CLIENT (SITE) PM: Jon Edel	CLIENT PHONE: (412) 974-5704	CLIENT FAX: (412) 375-3995
CLIENT NAME: Baker	CLIENT E-MAIL: mkimes@mbakercorp.com	
CLIENT ADDRESS: 100 Airside Drive, Moon Twp., PA 15108		
COMPANY CONTRACTING THIS WORK (if applicable): Baker		

PAGE 2 OF 2

STANDARD REPORT DELIVERY ●
DATE DUE 28 DAY TAT
EXPEDITED REPORT DELIVERY (SURCHARGE) ○
DATE DUE _____
NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

REQUIRED ANALYSIS / NUMBER OF CONTAINERS SUBMITTED

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT,...)	APP 1 VOCs SW-846/8260	APP 1 Metals SW-846/6010	APP 1 Diss. Metals SW-846/6010	8270 ~~JCE~~	1-4 - Dioxane 8270	Beta-BHC 8081	REMARKS
									HNO3	PRESERVATIVE				
3/2/04	1445	R7ER01-09	6	X					1	1*				* Please filter and preserve
3/2/04	1425	R7FB01-09	6	X					1	1*				↓

TEMP._____

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
EMPTY CONTAINERS			Jon C. Edel Jr.	3/2/04	1530			
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
EMPTY CONTAINERS Jon C. Edel Jr.	3/1/04	0230						

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	STL SAVANNAH LOG NO.	LABORATORY REMARKS
KDolson	3/3/04	9:17	YES ○ NO ○		244695	

STL8240-680 (12/02)

APPENDIX D
Field Notebooks

Monday March 1, 2004

0715 Mark Kimes (MEK) and I (Jon EDEL) arrive at the front gate to get pass for vehicle.

0735 Arrive at PWD to pick up equipment and speak with Madeline Rivera (PWD-Environmental).

0910 Arrive at Base Landfill to speak with Maria Murcado (Manager Landfill). Leaving to collect a round of water levels.

0940 Arrive at R7GW04R - 12.25' (Locking cap was on & locked)

0943 Arrive at R7GW09 - 9.59' (Locking cap was on & locked)

0951 Arrive at R7GW02R - 5.38' (Locking cap was on & locked)

0954 Arrive at R7GW01R - 7.52' (Locking cap was on & locked)

1000 Arrive at R7GW05R - 14.45' - Concrete Pad loose (Locking cap was on & locked)

1004 Arrive at R7GW10 - 13.55' (Locking cap was on & locked)

1006 Arrive at R7GW07R2 - 13.78' (Locking cap was on & locked)

Monday March 1, 2004

1009 Arrive at R7GW08R - 11.02' (Locking cap was on & locked)

1012 Arrive at R7GW11 - 6.09' (Locking cap was on & locked)

1015 Preparing R7GW11 to collect groundwater samples.

1050 Sample well R7GW11.

1110 Arrive at R7GW08 to collect groundwater samples.

1150 Sampled well R7GW08.

1215 MEK and I are heading to lunch.

1320 Arrive at R7GW01R to collect groundwater samples.

1352 Sampled well R7GW01R.

1415 Arrive at R7GW07R2 to collect groundwater samples.

1510 Sampled well R7GW07R2.

1533 Arrive at R7GW10 to collect groundwater samples.

1620 Sampled well R7GW10.

1638 Arrive at R7GW05R to collect groundwater samples.

1720 Sample well R7GW05R.

Monday March 1, 2004

RZGW11-09 JCE 3/1

TD = ~~[illegible]~~ 15' 4" (below top PVC)

Ø = 2"

SWL = 6.09' (below top PVC)

Start pump 1020

Bottom of tubing within well screen

Time	SWL	pH	Cond µS/cm	Temp	Comments
1023	6.19	7.10	1,204	29.41°C 84.94°F	slightly cloudy - No odor
1040	6.20	7.15	1,211	29.53°C 85.15°F	sl. cloudy - No odor
1045	6.20	7.06	1,189	29.28°C 84.70°F	sl. cloudy - No odor

* MEK sampled well.
* Sample time is 1050. Sampled for full App I parameters including Beta-BHC, and 1,4-dioxane.
* Sample appeared relatively clear with no apparent odor.
* Flow rate was between 0.2 to 0.3 L/min.
* Weather is warm, sunny, and very windy.

 Jon C. Edell Jr.

Monday March 1, 2004

* An interface probe was used to collect initial SWL. A groundwater level meter was used for each round during purging. No product observed with interface probe.
* Full App. I list:
  4 JCE 3/1
  (2) 40 mL VOAs - HCl preserved
  (2) 250 mL poly - (1) HNO_3 preserved
  (1) Not preserved
* Beta-BHC (2) 1-Liter ambers - None Preserved
* 1,4-Dioxane (2) 1-Liter ambers - None Preserved
* Peristaltic pump was used to purge and sample.
* The SWL was ~~[illegible]~~ 1.59' JCE 3/1 shallower below top of PVC shallower during this investigation than during the final round of water levels during the Sept. 2003 monitoring.
* The final SWL was 6.17' below top of PVC.
* The TD was slightly deeper than during the September 2003 sampling event, by approx. 1 inch.
* A YSI multimeter was used for field parameters.

Jon C. Edell Jr.

Monday March 1, 2004

RIGW08R-09

TD = 20'7" (below top PVC) Start pump 1116

B = 2"

Bottom of tubing within well screen

SWL = 11.02' (below top PVC)

Time	SWL	pH	Cond. (uS/cm)	Temp.	Comments
1124	11.21	7.30	35,763	27.59°C 81.66°F	Relatively cloudy - SL sulfur odor
1132	11.20	7.24	31,411	27.40°C 81.32°F	Rel. cloudy - SL. sulfur odor
1137	11.20	7.23	30,148	27.16°C 80.89°F	Rel. cloudy - SL. sulfur odor
1142	11.21	7.21	29,349	27.32°C 81.18°F	Rel. cloudy - SL. sulfur odor
1145 JVE 3/1	11.22	7.28	29,245	27.42°C 81.36°F	Rel. cloudy - SL. sulfur odor

* A YSI multimeter was used for field parameters.
* MEK sampled well.
* Sample time is 1150. Sampled for full App. I parameters including 1,4-dioxane

 Jon C. Edel Jr.

Monday March 1, 2004

and beta-BHC.

* Sample appeared relatively cloudy with a slight sulfur odor.
* Flow rate was between 0.2 to 0.3 L/min.
* Weather is warm, sunny, and very windy.
* An interface probe was used to collect initial SWL. A groundwater level meter was used for each round of purging. No product observed with interface probe.
* Full App. I list:

  (4) 40 mL VOAs - HCl preserved.

  (2) 250 mL poly's - (1) HNO_3 preserved

  (1) NOT Preserved.

* Beta-BHC (2) 1-liter ambers - None Preserved
* 1,4-dioxane (2) 1-liter ambers - None Preserved
* Peristaltic pump was used to purge and sample.
* The SWL was 0.18' below top of PVC deeper than during final round of groundwater levels in September 2003 monitoring.
* The final SWL was 11.21' below top of PVC.
* The TD was slightly over 1 foot deeper during this round of sampling than during the September 2003 monitoring.

Jon C. Edel Jr.

Monday March 1, 2004

R7GW01R-09

TD = 16' 5" (below top PVC) Start pump 1330
Ø = 2" Bottom of tubing
SWL = 7.59' (below top PVC) within well screen.

Time	SWL	pH	Cond. (us/cm)	Temp.	Comments
1336	7.67'	6.90	6,020	28.89°C 84.00°F	Rel. clear - sl. sulfur odor
1342	7.67'	6.94	6,029	29.00°C 84.20°F	Rel. clear - sl. sulfur odor
1348	7.66'	6.97	5,983	29.05°C 84.29°F	Rel. clear - sl. sulfur odor

* A YSI multimeter was used for field parameters.
* MEK sampled well.
* Sample time was 1352. Sampled for full App. I parameters, including 1,4-Dioxane and Beta-BHC.
* Sample appeared relatively clear with a slight sulfur odor.

 Jon C. Edell Jr.

Monday March 1, 2004

* Flow rate was the minimum capacity of the pump.
* Weather is warm, sunny, and windy.
* An interface probe was used to collect initial SWL. A groundwater level meter was used for each round of purging. No product observed with interface probe.
* Full App. I list:
  (4) 40 mL VOAs - HCl preserved.
  (2) 250 mL Polys - (1) HNO_3 preserved
  (1) Not preserved
* Beta-BHC (2) 1-Liter ambers - None preserved
* 1,4-Dioxane (2) 1-Liter ambers - None preserved
* Peristaltic pump was used to purge and sample.
* The SWL was just under 1 foot deeper than the SWL collected during the groundwater monitoring in September 2003.
* The final SWL was 7.66' below top of PVC.
* The TD was just under 2' shallower during this round of sampling than during the September 2003 monitoring.

Jon C. Edell Jr.

Monday March 1, 2004

R26WO72-2-09

TD = 25' 3" (below top pvc)
Ø = 2"
SWL = 13.87' (below top pvc)

Start pump 1423
Bottom of tubing within well screen.

Time	SWL	pH	Cond. (us/cm)	Temp.	Comments
1428	14.62	7.07	8,560	29.31°C 84.76°F	Clear - No apparent odor
1434	14.73	7.15	7,706	29.39°C 84.90°F	Clear - No apparent odor
1441	14.80	7.11	8,141	29.05°C 84.29°F	Clear - No apparent odor
1447	14.68	7.11	8,829	29.20°C 84.56°F	Clear - No apparent odor
1454	14.74	7.14	8,797	28.94°C 84.09°F	Clear - No apparent odor

 Jon C. Edell Jr.

Monday March 1, 2004

Time	SWL	pH	Cond. (us/cm)	Temp.	Comments
1501	14.74	7.19	8,816	28.88°C 83.98°F	Clear - No apparent odor

* A YSI multimeter was used for field parameters.
* MER sampled well.
* Sample time [redacted] is JCE 3/1 1510. Sampled for full App. I parameters including beta-BHC, and 1,4-dioxane
* Sample appeared clear with no apparent odor.
* Flow rate was the minimum capacity of the pump.
* Weather [redacted] is JCE 3/1 warm, sunny, and windy.
* An interface probe was used to collect the initial SWL. A groundwater level meter was used for each round of sampling. No product was observed during the initial SWL.
* Full App. I list:
  (4) 40 mL VOAs - HCL preserved
  (2) 250 mL Polys - (1) HNO_3 preserved
  (1) Not preserved
* Beta-BHC (2) 1-liter ambers - None preserved
* 1,4-Dioxane (2) 1-liter ambers - None preserved
* The SWL was not taken at this well during September 2003 monitoring. A replacement well (R26WO72D) was installed after R26WO72 was removed after the September 2003 monitoring.
* A peristaltic pump was used to purge and

 Jon C. Edell Jr.

Monday March 1, 2004

JCE 3/1

and sample.

* The final SWL was 15.27' below top of PVC.

* The TD was not not taken in September 2003 because this well was install after that Monitoring went.

Jon C. Edell Jr.

Monday March 1, 2004

R7GW10-09

TD= 20' 2" (below top PVC)
Ø=2"
SWL= 13.53' (below top PVC)

Start pump 1537
Bottom of tubing within well screen.

Time	SWL	pH	Cond. (µS/cm)	Temp.	Comments
1543	13.63	6.99	11,317	28.65°C 83.57°F	Sl. cloudy - yellowish tint - sl. sulfur odor - small floating debris
1548	13.65	6.95	10,469	29.11°C 84.40°F	Yellowish tint - sl. sulfur odor - small floating debris.
1554	13.65	7.01	10,087	29.06°C 84.31°F	Yellowish tint - sl. sulfur odor - small floating debris
1600	13.66	6.93	9,398	28.45°C 83.21°F	Yellowish tint - sl. sulfur odor - small floating debris
1605	13.66	6.92	9,169	28.23°C 83.01°F	Sl. Yellow tint - sl. sulfur odor
1610	13.65	6.87	9,117	28.61°C 83.50°F	Sl. Yellow tint - sl. sulfur odor

Jon C. Edell Jr.

Monday March 1, 2004

* MER sampled well.
* Sample time is 1620. Sampled for full App. I parameters, including beta-bhc and 1,4-dioxane.
* Sample appeared to have a yellowish tint with a slight sulfur smell.
* Flow rate was between 0.2 to 0.3 L/min.
* Weather is warm, sunny, and windy.
* An interface probe was used to collect the initial SWL. No product observed. A groundwater level meter was used for each round of sampling.
* Full App. I list:
  (4) 40 mL VOAs. HCL preserved.
  (2) 250 mL polys. (1) HNO_3 observed
  (1) Not preserved
* beta-bhc (2) 1-Liter ambers (Not preserved)
* 1,4-Dioxane (2) 1-Liter ambers (Not preserved)
* The SWL was 0.1' deeper than the SWL collected during the final round of water levels in September 2003.
* Final SWL was 13.69' below top of pvc.
* The TD was approximately 4 inches deeper than the TD taken during the September

 Jon C. Edel Jr.

Monday March 1, 2004

2003 Monitoring.

* Some roots were observed on the total depth probe upon returning the probe to the surface.
* A YSI Multimeter was used for field parameters.

Jon C. Edel Jr.

Monday March 1, 2004

RJCWOSR-09

TD: 26'9" (below top PVC) Start pump 1642
Φ=2"
SWL: 14.49' (below top PVC) Bottom of tubing within well screen.

Time	SWL	pH	Cond. (µS/cm)	Temp.	Comments
1648	14.63	7.12	38,258	27.64°C 81.75°F	SL. cloudy, Heavy sulfur odor.
1654	14.63	7.05	35,196	27.52°C 81.54°F	SL. cloudy, Strong sulfur odor
1701	14.63	7.05	32,645	27.66°C 81.79°F	SL. cloudy, Strong sulfur odor
1708	14.63	6.99	31,705	27.58°C 81.64°F	SL. cloudy, Strong sulfur odor
1715	14.63	7.01	30,895	27.51°C 81.52°F	SL. cloudy, Strong sulfur odor

* A YSI multimeter was used for field parameters.

Monday March 1, 2004

* MEK sampled well.
* Sample time is 1720. Sample for full App. I. parameters including 1,4-Dioxane and Beta-BHC.
* Sample appeared relatively clear with a strong sulfur odor.
* Flow rate was at the minimum capacity of the pump.
* Weather is warm, sunny, windy.
* An interface probe was used to collect initial SWL. No product observed. Groundwater level meter was to collect each round of samplings SWL. see 3/1
* Full App. I list:
  (4) 40 mL VOAs - HCl preserved
  (2) 250 mL polys - (1) HNO_3 preserved
  (1) Not preserved
* Beta-BHC (2) 1-Liter ambers (Not preserved)
* 1,4-Dioxane (2) 1-Liter ambers (Not preserved)
* The SWL was approx. 0.3' deeper this round than during the September 2003 monitoring.
* A peristaltic pump was used to purge and sample.
* Final SWL was 14.68' below top of PVC.
* The TD was approx. the same as Sept. 2003.

Monday March 1, 2004

1730 Checking calibration from this morning. The conductivity was calibrated this morning to 1 ms/cm. The reading this afternoon was 1.1 ms/cm. The pH meter was calibrated this morning to 4.0. The reading this afternoon was 4.4. The pH meter was calibrated this morning also to 7.0. The reading this afternoon was 7.1. The pH probe was calibrated this morning also to 10.0. The reading this afternoon was 10.2.

1744 MEK and I are finished sampling for the day.

Jon C. Edel Jr.

Tuesday March 2, 2004

0655 MEK and I pass through Gate 1.

0723 Arrive at PWD (B156.31) to pick up equipment for the day.

0740 Arrive at R3GW02R to collect groundwater samples. Calibrated the multi-meter used for measuring parameters. Calibrated to: specific conductivity (1 ms/cm) pH (4, 7, 10).

0840 Sample well R7GW02R along with duplicate, MS, and MSD.

0945 Heading to Marina to get more ice.

0950 Arrive at Marina.

1000 Arrive at PWD to drop off full sample containers and pick up more empty ones.

1020 Leaving PWD to go back to the landfill.

1040 Arrive at R7GW09 to collect groundwater samples.

1120 Sampled well R7GW09.

1135 Arrive at R7GW04R to collect groundwater samples.

1220 Sampled well R7GW04R.

1235 Arrive at R7GW01R to collect SWL (7.59' below top of pvc)

1240 Called FedEx to schedule a pick up at Building 31. Pick up number is 192.

 Jon C. Edel Jr.

Tuesday March 2, 2004

RIC-WOOD-09

TD = 17' 11½" (below top PVC)
Ø = 2"
SWL = 5.45' (below top PVC)

Start pump 0754
Bottom of tubing within well screen

Time	SWL	pH	Cond. (us/cm)	Temp.	Comments
0801	5.74	6.65	61,618	26.21°C 79.18°F	SL. cloudy, strong sulfur odor.
0807	5.79	6.70	48,843	26.71°C 80.08°F	SL. cloudy, SL. sulfur odor small floating debris
0814	5.77	6.84	36,674	26.92°C 80.46°F	Rel. clear - SL. sulfur odor
0820	5.79	6.87	32,965	26.94°C 80.49°F	Rel. clear - SL. sulfur odor
0826	5.83	6.80	31,718	26.94°C 80.49°F	Rel. clear - SL. sulfur odor

 Jon C. Edel Jr.

Tuesday March 2, 2004

Time	SWL	pH	Cond. (us/cm)	Temp.	Comments
0832	5.84	6.83	30,816	26.86°C 80.35°F	Rel. clear - SL. sulfur odor

* MER sampled well.
* Sample time is 0840. Sampled for full App I parameters including 1,4-Dioxane and Beta-BHC.
* Sample appeared relatively clear with a slight sulfur odor.
* Flow rate was at the minimum capacity of the pump.
* Weather is warm, partly sunny, and windy.
* An interface probe was used to collect initial SWL. No product observed. Groundwater level meter was used for each round of sampling.
* Full App I list:
  (4) 40 mL VOAs - HCl preserved
  (3) 250 mL polys - (1) HNO_3 preserved
  (1) Not preserved
* Beta-BHC (3) 1-liter ambers - None preserved
* 1,4-Dioxane (3) 1-liter ambers - None preserved
* The SWL was just over 1' deeper than the final SWL collected during the [redacted] JCE 5/2 September 2003 Monitoring.

 Jon C. Edel Jr.

Tuesday March 2, 2004

* A peristaltic pump was used to purge and sample.

* The duplicate, MS, and MSD were collected from this location. All were the same analysis as the environmental sample.

* The final SWL was 6.03' below top of PVC.

* The TD was just short of 1' deeper than the TD measured during the ([redacted] JCE 3/2) September 2003 monitoring.

* A YSI multimeter was used for field parameters.

Jon C. Edell Jr.

Tuesday March 2, 2004

MW-09 JCE 3/2

TD = 20' 1/2" (below top PVC)
Ø = 2"
SWL = 9.75' (below top PVC)

Start pump 1044
Bottom of tubing within well screen.

Time	SWL	pH	Cond. (µs/cm)	Temp.	Comments
1051	9.87	7.05	53,380	27.56°C 81.61°F	small black floating debris - strong sulfur odor
1058	9.90	6.93	51,857	26.97°C 80.55°F	small black floating debris - strong sulfur odor
1104	9.90	6.93	48,345	27.35°C 81.23°F	small black floating debris - strong sulfur odor
1110	9.91	6.94	47,571	27.21°C 80.98°F	small black floating debris - strong sulfur odor
1117	9.93	6.88	47,206	27.22°C 81.00°F	small black floating debris - strong sulfur odor

* MW-9 sampled well.
* Sample time is 1120. Sampled for full App I parameters including 1,4-Dioxane and Beta-BHC.
* Sample contained some small black debris that was floating as well as had a strong sulfur odor.
* Flow rate was minimum capacity of the pump.

 Jon C. Edell Jr.

Tuesday March 2, 2004

* Weather is warm, cloudy, and windy.
* An interface probe was used to collect initial SWL. No product observed. Groundwater level meter was used for each round of sampling.
* Full App. I List:
  (4) 40 mL VOAs - HCl preserved
  (2) 250 mL polys - (1) HNO_3 preserved
  (1) not preserved
* Beta-BHC (2) 1-liter ambers - not preserved
* 1,4-Dioxane (2) 1-liter ambers - not preserved.
* The SWL was just under 4' shallower than the final round of SWL taken during the September 2003 monitoring.
* A peristaltic pump was used to purge and sample.
* Final SWL was 9.95' below top of PVC.
* The TD was slightly deeper than the TD taken during the September 2003 monitoring.
* A YSI multimeter was used for field parameters.

Jon C. Edel Jr.

Tuesday March 2, 2004

R7GW04R-09

TD = 29' 9 1/8" (below top PVC)
Ø = 2"
SW = 12.28' (below top PVC)

Start pump 1145
Bottom of tubing within well screen

Time	SWL	pH	Cond. (us/cm)	Temp.	Comments
1152	13.70	6.73	59,877	27.33°C 81.19°F	SL. cloudy - No apparent odor
1200	15.65	6.65	58,745	27.36°C 81.25°F	SL. cloudy - No apparent odor.
1207	16.24	6.63	59,506	27.32°C 81.18°F	SL. cloudy - No apparent odor.

* MEK sampled well.
* Sample time is 1220. Sampled for full App. I parameters including 1,4-Dioxane and Beta-BHC.
* Sample appeared slightly cloudy with no apparent odor.
* Flow rate was at the minimum capacity
* Weather is warm, cloudy, and windy.
* An interface probe was used to collect initial SWL. No product observed. Groundwater level meter was used for each round of sampling.

 Jon C. Edel Jr.

Tuesday March 2, 2004

* Full App. IX list:
  (4) 40 mL VOAs - HCl preserved
  (2) 250 mL polys - (1) HNO_3 preserved
  (1) Not preserved
* Beta-BHC (2) 1-Liter ambers - Not preserved
* 1,4-Dioxane (2) - 1-liter ambers - Not preserved
* The SWL was approximately 3" deeper than the SWL collected during the final round of SWL during the September 2003 monitoring.
* A peristaltic pump was used to purge and sample.
* Final SWL was 19.88' below top of PVC.
* The TD is approximately the same as was measured during the September 2003 monitoring.
* A YSI multimeter was used for field parameters.

Jon C. Edell Jr.

Tuesday March 2, 2004

1245 MEK and I are leaving base to get lunch and buy another cooler for shipment.

1400 Arrive back at PWD on base.

1915 Collected Trip Blank R7FB01-09.

1925 Collected sample R7FB01-09.

1445 Collected sample R7ER01-09 of the silicon tubing used during the collection of groundwater during this monitoring. Helping MEK pack samples

1600 FedEx came to pick up all nine coolers full of samples.

1608 MEK and I arrived at R7GW05R to collect SWL (14.55' below top of PVC). Concrete Pad loose.

1609 Arrive at R7GW10 to collect SWL (13.55' below top of PVC)

1611 Arrive at R7GW07R2 to collect SWL (13.96' below top of PVC)

1613 Arrive at R7GW08R to collect SWL (11.06' below top of PVC)

1616 Arrive at R7GW11 to collect SWL (6.08' below top of PVC).

1620 Arrive back at PWD to pack up equipment.

1635 Checking calibration of the multimeter; Specific conductivity was 988 mS/cm on a 1 mS/cm standard.

Jon C. Edell Jr.

Tuesday March 2, 2004

The ph was the following:

4 standard was 4.12

7 standard was 6.91

10 Standard was 10.10

1700 MEK and I finished packing up equipment. Finished for the day - offsite.

* As mentioned in the earlier notes of the day, the nine sample coolers were picked up by FedEx. The master air waybill number is 8406 3808 8530. The relinquish time on the COCs was 1530.

Jon C. Edell Jr.

 Jon C. Edell Jr.

Wednesday March 3, 2004

0715 MEK and I passed through Gate 1 on our way to PWD.

0725 Arrive at PWD to speak with Madeline Rivera (PWD Env.) and Pedro Ruiz (PWD Environmental).

0945 Called FedEx to check on status of the nine coolers sent out yesterday. All were on the truck to be delivered to the lab.

1100 Leaving PWD to head to San Juan.

1355 Arrive at San Juan Intl. Airport.

1730 Leaving San Juan to go to Philadelphia.

2050 Arrive in Philadelphia.

2200 Left Philadelphia to go to Pittsburgh.

2300 Arrive in Pittsburgh.

Jon C. Edell Jr.

APPENDIX E
Laboratory Analytical Results

APPENDIX E

LABORATORY ANALYTICAL RESULTS
SEMI-ANNUAL GROUNDWATER MONITORING REPORT, MARCH 2004
SOLID WASTE LANDFILL FACILITY
NAVAL ACTIVITY PUERTO RICO, CEIBA, PUERTO RICO

Site ID	**R7GW01R**	**R7GW02R**	**R7GW02R (Dup)**
Sample Description :	**R7GW01R-09**	**R7GW02R-09**	**R7GW02R-09D**
Sample Date/Time :	**03-01-2004/1352**	**03-02-2004/0840**	**03-02-2004/0840**
Appendix I Volatile Organics (ug/L)			
1,1,1,2-Tetrachloroethane	1 U	1 U	1 U
1,1,1-Trichloroethane	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	1 U	1 U	1 U
1,1,2-Trichloroethane	1 U	1 U	1 U
1,1-Dichloroethane	1 U	1 U	1 U
1,1-Dichloroethene	1 U	1 U	1 U
1,2,3-Trichloropropane	1 UJ	1 UJ	1 UJ
1,2-Dibromo-3-chloropropane	1 U	1 U	1 U
1,2-Dibromoethane (EDB)	1 U	1 U	1 U
1,2-Dichlorobenzene	1 UJ	1 UJ	1 UJ
1,2-Dichloroethane	1 U	1 U	1 U
1,2-Dichloropropane	1 U	1 U	1 U
1,4-Dichlorobenzene	1 UJ	1 UJ	1 UJ
2-Butanone (MEK)	10 UJ	10 UJ	10 UJ
2-Hexanone	10 U	10 U	10 U
4-Methyl-2-pentanone (MIBK)	10 U	10 U	10 U
Acetone	25 UJ	25 UJ	25 UJ
Acrylonitrile	20 U	20 U	20 U
Benzene	1 U	1 U	1 U
Bromochloromethane	1 U	1 U	1 U
Bromodichloromethane	1 U	1 U	1 U
Bromoform	1 U	1 U	1 U
Bromomethane	1 U	1 U	1 U
Carbon Disulfide	1 U	1 U	1 U
Carbon tetrachloride	1 U	1 U	1 U
Chlorobenzene	1 U	1 U	1 U
Chloroethane	1 UJ	1 UJ	1 UJ
Chloroform	1 U	1 U	1 U
Chloromethane	1 U	1 U	1 U
cis-1,2-Dichloroethene	1 U	1 U	1 U
cis-1,3-Dichloropropene	1 U	1 U	1 U
Dibromochloromethane	1 U	1 U	1 U
Dibromomethane	1 U	1 U	1 U
Dichloromethane	5 U	5 U	5 U
Ethylbenzene	1 U	1 U	1 U
Iodomethane	1 UJ	1 UJ	1 UJ
Styrene	1 U	1 U	1 U
Tetrachloroethene	1 U	1 U	1 U
Toluene	1 U	1 U	1 U
trans-1,2-Dichloroethene	1 U	1 U	1 U
trans-1,3-Dichloropropene	1 U	1 U	1 U
trans-1,4-Dichloro-2-butene	2 UJ	2 UJ	2 UJ
Trichloroethene	1 U	1 U	1 U
Trichlorofluoromethane	1 U	1 U	1 U
Vinyl acetate	2 U	2 U	2 U
Vinyl chloride	1 U	1 U	1 U
Xylenes, Total	2 U	2 U	2 U

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LABORATORY ANALYTICAL RESULTS
SEMI-ANNUAL GROUNDWATER MONITORING REPORT, MARCH 2004
SOLID WASTE LANDFILL FACILITY
NAVAL ACTIVITY PUERTO RICO, CEIBA, PUERTO RICO

Site ID	**R7GW01R**	**R7GW02R**	**R7GW02R (Dup)**
Sample Description :	**R7GW01R-09**	**R7GW02R-09**	**R7GW02R-09D**
Sample Date/Time :	**03-01-2004/1352**	**03-02-2004/0840**	**03-02-2004/0840**
Appendix I Metals (mg/L)			
Antimony	0.02 U	0.02 U	0.02 U
Arsenic	0.01 U	0.01 U	0.01 U
Barium	0.063	0.069	0.07
Beryllium	0.004 U	0.004 U	0.004 U
Cadmium	0.005 U	0.005 U	0.005 U
Chromium	0.0011 J	0.0011 J	0.0011 J
Cobalt	0.01 U	0.01 U	0.01 U
Copper	0.02 U	0.003 J	0.02 U
Lead	0.005 U	0.005 U	0.005 U
Nickel	0.04 U	0.04 U	0.04 U
Selenium	0.01 U	0.01 U	0.01 U
Silver	0.01 U	0.01 U	0.01 U
Thallium	0.01 U	0.01 U	0.01 U
Vanadium	0.0062 J	0.012	0.012
Zinc	0.02 U	0.02 U	0.02 U
Appendix I Metals (Dissolved) (mg/L)			
Antimony (Dissolved)	0.02 U	0.02 U	0.02 U
Arsenic, (Dissolved)	0.01 U	0.01 U	0.01 U
Barium, (Dissolved)	0.058	0.069	0.068
Beryllium (Dissolved)	0.004 U	0.004 U	0.004 U
Cadmium (Dissolved)	0.005 U	0.005 U	0.005 U
Chromium, (Dissolved)	0.01 U	0.01 U	0.01 U
Cobalt (Dissolved)	0.01 U	0.01 U	0.01 U
Copper, Dissolved	0.02 U	0.02 U	0.02 U
Lead, (Dissolved)	0.005 U	0.005 U	0.005 U
Nickel, (Dissolved)	0.04 U	0.04 U	0.04 U
Selenium (Dissolved)	0.01 U	0.01 U	0.01 U
Silver (Dissolved)	0.01 U	0.01 U	0.01 U
Thallium (Dissolved)	0.01 U	0.01 U	0.01 U
Vanadium (Dissolved)	0.012 U	0.01 U	0.01 U
Zinc, (Dissolved)	0.02 U	0.02 U	0.02 U

Notes:
U - Not Detected
ug/L - micrograms per liter
J - Qualified as Estimated
mg/L - milligrams per liter
UB
UN
UB - Non-Detect Concentration
but compound present in blank

APPENDIX E

LABORATORY ANALYTICAL RESULTS
SEMI-ANNUAL GROUNDWATER MONITORING REPORT, MARCH 2004
SOLID WASTE LANDFILL FACILITY
NAVAL ACTIVITY PUERTO RICO, CEIBA, PUERTO RICO

Site ID	**R7GW04R**	**R7GW05R**	**R7GW07R2**
Sample Description :	**R7GW04R-09**	**R7GW05R-09**	**R7GW07R2-09**
Sample Date/Time :	**03-02-2004/1220**	**03-01-2004/1720**	**03-01-2004/1510**
Appendix I Volatile Organics (ug/L)			
1,1,1,2-Tetrachloroethane	1 UJ	1 U	1 U
1,1,1-Trichloroethane	1 UJ	1 U	1 U
1,1,2,2-Tetrachloroethane	1 UJ	1 U	1 U
1,1,2-Trichloroethane	1 UJ	1 U	1 U
1,1-Dichloroethane	1 UJ	1 U	1 U
1,1-Dichloroethene	1 UJ	1 U	1 U
1,2,3-Trichloropropane	1 UJ	1 UJ	1 UJ
1,2-Dibromo-3-chloropropane	1 UJ	1 U	1 U
1,2-Dibromoethane (EDB)	1 UJ	1 U	1 U
1,2-Dichlorobenzene	1 UJ	1 UJ	1 UJ
1,2-Dichloroethane	1 UJ	1 U	1 U
1,2-Dichloropropane	1 UJ	1 U	1 U
1,4-Dichlorobenzene	1 UJ	1 UJ	1 UJ
2-Butanone (MEK)	10 UJ	10 UJ	10 UJ
2-Hexanone	10 UJ	10 U	10 U
4-Methyl-2-pentanone (MIBK)	10 UJ	10 U	10 U
Acetone	25 UJ	25 UJ	25 UJ
Acrylonitrile	20 UJ	20 U	20 U
Benzene	1 UJ	1 U	1 U
Bromochloromethane	1 UJ	1 U	1 U
Bromodichloromethane	1 UJ	1 U	1 U
Bromoform	1 UJ	1 U	1 U
Bromomethane	1 UJ	1 U	1 U
Carbon Disulfide	1 UJ	1 U	1 U
Carbon tetrachloride	1 UJ	1 U	1 U
Chlorobenzene	1 UJ	1 U	1 U
Chloroethane	1 UJ	1 UJ	1 UJ
Chloroform	1 UJ	1 U	1 U
Chloromethane	1 UJ	1 U	1 U
cis-1,2-Dichloroethene	1 UJ	1 U	1 U
cis-1,3-Dichloropropene	1 UJ	1 U	1 U
Dibromochloromethane	1 UJ	1 U	1 U
Dibromomethane	1 UJ	1 U	1 U
Dichloromethane	5 UJ	5 U	5 U
Ethylbenzene	1 UJ	1 U	1 U
Iodomethane	1 UJ	1 UJ	1 UJ
Styrene	1 UJ	1 U	1 U
Tetrachloroethene	1 UJ	1 U	1 U
Toluene	1 UJ	1 U	1 U
trans-1,2-Dichloroethene	1 UJ	1 U	1 U
trans-1,3-Dichloropropene	1 UJ	1 U	1 U
trans-1,4-Dichloro-2-butene	2 UJ	2 UJ	2 UJ
Trichloroethene	1 UJ	1 U	1 U
Trichlorofluoromethane	1 UJ	1 U	1 U
Vinyl acetate	2 UJ	2 U	2 U
Vinyl chloride	1 UJ	1 U	1 U
Xylenes, Total	2 UJ	2 U	2 U

APPENDIX E

LABORATORY ANALYTICAL RESULTS
SEMI-ANNUAL GROUNDWATER MONITORING REPORT, MARCH 2004
SOLID WASTE LANDFILL FACILITY
NAVAL ACTIVITY PUERTO RICO, CEIBA, PUERTO RICO

Site ID	**R7GW04R**	**R7GW05R**	**R7GW07R2**
Sample Description :	**R7GW04R-09**	**R7GW05R-09**	**R7GW07R2-09**
Sample Date/Time :	**03-02-2004/1220**	**03-01-2004/1720**	**03-01-2004/1510**
Appendix I Metals (mg/L)			
Antimony	0.02 U	0.02 U	0.02 U
Arsenic	0.01 U	0.01 U	0.0059 J
Barium	0.18	0.019	0.14
Beryllium	0.004 U	0.004 U	0.004 U
Cadmium	0.0012 J	0.005 U	0.005 U
Chromium	0.027	0.01 U	0.01 U
Cobalt	0.019	0.01 U	0.0036 J
Copper	0.013 J	0.02 U	0.02 U
Lead	0.005 U	0.005 U	0.005 U
Nickel	0.04 U	0.04 U	0.04 U
Selenium	0.01 U	0.01 U	0.01 U
Silver	0.01 U	0.01 U	0.01 U
Thallium	0.01 U	0.01 U	0.01 U
Vanadium	0.0066 J	0.0074 J	0.012 U
Zinc	0.029 U	0.02 U	0.02 U
Appendix I Metals (Dissolved) (mg/L)			
Antimony (Dissolved)	0.02 U	0.02 U	0.02 U
Arsenic, (Dissolved)	0.01 U	0.0068 J	0.01 U
Barium, (Dissolved)	0.19	0.018	0.15
Beryllium (Dissolved)	0.004 U	0.004 U	0.004 U
Cadmium (Dissolved)	0.005 U	0.005 U	0.005 U
Chromium, (Dissolved)	0.01 U	0.01 U	0.01 U
Cobalt (Dissolved)	0.022	0.01 U	0.0029 J
Copper, Dissolved	0.0067 J	0.02 U	0.02 U
Lead, (Dissolved)	0.005 U	0.005 U	0.005 U
Nickel, (Dissolved)	0.03 J	0.04 U	0.04 U
Selenium (Dissolved)	0.01 U	0.01 U	0.01 U
Silver (Dissolved)	0.01 U	0.01 U	0.01 U
Thallium (Dissolved)	0.01 U	0.01 U	0.01 U
Vanadium (Dissolved)	0.1 U	0.01 U	0.01 U
Zinc, (Dissolved)	0.025 U	0.02 U	0.02 U

Notes:
U - Not Detected
ug/L - micrograms per liter
J - Qualified as Estimated
mg/L - milligrams per liter
UB
UN
UB - Non-Detect Concentration
but compound present in blank

APPENDIX E

LABORATORY ANALYTICAL RESULTS
SEMI-ANNUAL GROUNDWATER MONITORING REPORT, MARCH 2004
SOLID WASTE LANDFILL FACILITY
NAVAL ACTIVITY PUERTO RICO, CEIBA, PUERTO RICO

Site ID	**R7GW08R**	**R7GW09R**	**R7GW10R**
Sample Description :	**R7GW08R-09**	**R7GW09-09**	**R7GW10-09**
Sample Date/Time :	**03-01-2004/1150**	**03-02-2004/1120**	**03-01-2004/1620**
Appendix I Volatile Organics (ug/L)			
1,1,1,2-Tetrachloroethane	1 U	1 U	1 U
1,1,1-Trichloroethane	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	1 U	1 U	1 U
1,1,2-Trichloroethane	1 U	1 U	1 U
1,1-Dichloroethane	1 U	1 U	1 U
1,1-Dichloroethene	1 U	1 U	1 U
1,2,3-Trichloropropane	1 UJ	1 UJ	1 UJ
1,2-Dibromo-3-chloropropane	1 U	1 U	1 U
1,2-Dibromoethane (EDB)	1 U	1 U	1 U
1,2-Dichlorobenzene	1 UJ	1 UJ	1 UJ
1,2-Dichloroethane	1 U	1 U	1 U
1,2-Dichloropropane	1 U	1 U	1 U
1,4-Dichlorobenzene	1 UJ	1 UJ	1 UJ
2-Butanone (MEK)	10 UJ	10 UJ	10 UJ
2-Hexanone	10 U	10 U	10 U
4-Methyl-2-pentanone (MIBK)	10 U	10 U	10 U
Acetone	25 UJ	25 UJ	25 UJ
Acrylonitrile	20 U	20 U	20 U
Benzene	1 U	1 U	1 U
Bromochloromethane	1 U	1 U	1 U
Bromodichloromethane	1 U	1 U	1 U
Bromoform	1 U	1 U	1 U
Bromomethane	1 U	1 U	1 U
Carbon Disulfide	1 U	1 U	1 U
Carbon tetrachloride	1 U	1 U	1 U
Chlorobenzene	1 U	1 U	1 U
Chloroethane	1 UJ	1 UJ	1 UJ
Chloroform	1 U	1 U	1 U
Chloromethane	1 U	1 U	1 U
cis-1,2-Dichloroethene	1 U	1 U	1 U
cis-1,3-Dichloropropene	1 U	1 U	1 U
Dibromochloromethane	1 U	1 U	1 U
Dibromomethane	1 U	1 U	1 U
Dichloromethane	5 U	5 U	5 U
Ethylbenzene	1 U	1 U	1 U
Iodomethane	1 UJ	1 UJ	1 UJ
Styrene	1 U	1 U	1 U
Tetrachloroethene	1 U	1 U	1 U
Toluene	1 U	1 U	1 U
trans-1,2-Dichloroethene	1 U	1 U	1 U
trans-1,3-Dichloropropene	1 U	1 U	1 U
trans-1,4-Dichloro-2-butene	2 UJ	2 UJ	2 UJ
Trichloroethene	1 U	1 U	1 U
Trichlorofluoromethane	1 U	1 U	1 U
Vinyl acetate	2 U	2 U	2 U
Vinyl chloride	1 U	1 U	1 U
Xylenes, Total	2 U	2 U	2 U

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LABORATORY ANALYTICAL RESULTS
SEMI-ANNUAL GROUNDWATER MONITORING REPORT, MARCH 2004
SOLID WASTE LANDFILL FACILITY
NAVAL ACTIVITY PUERTO RICO, CEIBA, PUERTO RICO

Site ID	**R7GW08R**	**R7GW09R**	**R7GW10R**
Sample Description :	**R7GW08R-09**	**R7GW09-09**	**R7GW10-09**
Sample Date/Time :	**03-01-2004/1150**	**03-02-2004/1120**	**03-01-2004/1620**
Appendix I Metals (mg/L)			
Antimony	0.02 U	0.02 U	0.02 U
Arsenic	0.01 U	0.01 U	0.01 U
Barium	0.078	0.13	0.044
Beryllium	0.004 U	0.004 U	0.004 U
Cadmium	0.005 U	0.005 U	0.005 U
Chromium	0.026	0.01 U	0.0016 J
Cobalt	0.01 U	0.0024 J	0.0017 J
Copper	0.02 U	0.0027 J	0.02 U
Lead	0.005 U	0.005 U	0.005 U
Nickel	0.04 U	0.04 U	0.04 U
Selenium	0.01 U	0.01 U	0.01 U
Silver	0.01 U	0.01 U	0.01 U
Thallium	0.01 U	0.01 U	0.01 U
Vanadium	0.01	0.05 U	0.0058 J
Zinc	0.02 U	0.02 U	0.02 U
Appendix I Metals (Dissolved) (mg/L)			
Antimony (Dissolved)	0.02 U	0.02 U	0.02 U
Arsenic, (Dissolved)	0.01 U	0.01 U	0.01 U
Barium, (Dissolved)	0.075	0.13	0.042
Beryllium (Dissolved)	0.004 U	0.004 U	0.004 U
Cadmium (Dissolved)	0.005 U	0.005 U	0.005 U
Chromium, (Dissolved)	0.01 U	0.01 U	0.01 U
Cobalt (Dissolved)	0.01 U	0.0014 J	0.0017 J
Copper, Dissolved	0.02 U	0.02 U	0.02 U
Lead, (Dissolved)	0.005 U	0.005 U	0.005 U
Nickel, (Dissolved)	0.04 U	0.04 U	0.04 U
Selenium (Dissolved)	0.01 U	0.01 U	0.01 U
Silver (Dissolved)	0.01 U	0.01 U	0.01 U
Thallium (Dissolved)	0.01 U	0.01 U	0.01 U
Vanadium (Dissolved)	0.01 U	0.05 U	0.01 U
Zinc, (Dissolved)	0.02 U	0.02 U	0.02 U

Notes:
U - Not Detected
ug/L - micrograms per liter
J - Qualified as Estimated
mg/L - milligrams per liter
UB
UN
UB - Non-Detect Concentration
but compound present in blank

APPENDIX E

LABORATORY ANALYTICAL RESULTS
SEMI-ANNUAL GROUNDWATER MONITORING REPORT, MARCH 2004
SOLID WASTE LANDFILL FACILITY
NAVAL ACTIVITY PUERTO RICO, CEIBA, PUERTO RICO

Site ID	**R7GW11**
Sample Description :	**R7GW11-09**
Sample Date/Time :	**03-01-2004/1050**

Appendix I Volatile Organics (ug/L)

1,1,1,2-Tetrachloroethane	1	U
1,1,1-Trichloroethane	1	U
1,1,2,2-Tetrachloroethane	1	U
1,1,2-Trichloroethane	1	U
1,1-Dichloroethane	1	U
1,1-Dichloroethene	1	U
1,2,3-Trichloropropane	1	UJ
1,2-Dibromo-3-chloropropane	1	U
1,2-Dibromoethane (EDB)	1	U
1,2-Dichlorobenzene	1	UJ
1,2-Dichloroethane	1	U
1,2-Dichloropropane	1	U
1,4-Dichlorobenzene	1	UJ
2-Butanone (MEK)	10	UJ
2-Hexanone	10	U
4-Methyl-2-pentanone (MIBK)	10	U
Acetone	25	UJ
Acrylonitrile	20	U
Benzene	1	U
Bromochloromethane	1	U
Bromodichloromethane	1	U
Bromoform	1	U
Bromomethane	1	U
Carbon Disulfide	1	U
Carbon tetrachloride	1	U
Chlorobenzene	1	U
Chloroethane	1	UJ
Chloroform	1	U
Chloromethane	1	U
cis-1,2-Dichloroethene	1	U
cis-1,3-Dichloropropene	1	U
Dibromochloromethane	1	U
Dibromomethane	1	U
Dichloromethane	5	U
Ethylbenzene	1	U
Iodomethane	1	UJ
Styrene	1	U
Tetrachloroethene	1	U
Toluene	1	U
trans-1,2-Dichloroethene	1	U
trans-1,3-Dichloropropene	1	U
trans-1,4-Dichloro-2-butene	2	UJ
Trichloroethene	1	U
Trichlorofluoromethane	1	U
Vinyl acetate	2	U
Vinyl chloride	1	U
Xylenes, Total	2	U

APPENDIX E

LABORATORY ANALYTICAL RESULTS
SEMI-ANNUAL GROUNDWATER MONITORING REPORT, MARCH 2004
SOLID WASTE LANDFILL FACILITY
NAVAL ACTIVITY PUERTO RICO, CEIBA, PUERTO RICO

Site ID	**R7GW11**
Sample Description :	**R7GW11-09**
Sample Date/Time :	**03-01-2004/1050**

Appendix I Metals (mg/L)	
Antimony	0.02 U
Arsenic	0.01 U
Barium	0.01 U
Beryllium	0.004 U
Cadmium	0.005 U
Chromium	0.01 U
Cobalt	0.01 U
Copper	0.02 U
Lead	0.005 U
Nickel	0.04 U
Selenium	0.01 U
Silver	0.01 U
Thallium	0.01 U
Vanadium	0.012 U
Zinc	0.02 U

Appendix I Metals (Dissolved) (mg/L)	
Antimony (Dissolved)	0.02 U
Arsenic, (Dissolved)	0.01 U
Barium, (Dissolved)	0.01 U
Beryllium (Dissolved)	0.004 U
Cadmium (Dissolved)	0.005 U
Chromium, (Dissolved)	0.01 U
Cobalt (Dissolved)	0.01 U
Copper, Dissolved	0.02 U
Lead, (Dissolved)	0.005 U
Nickel, (Dissolved)	0.04 U
Selenium (Dissolved)	0.01 U
Silver (Dissolved)	0.01 U
Thallium (Dissolved)	0.01 U
Vanadium (Dissolved)	0.01 U
Zinc, (Dissolved)	0.02 U

Notes:
U - Not Detected
ug/L - micrograms per liter
J - Qualified as Estimated
mg/L - milligrams per liter
UB
UN
UB - Non-Detect Concentration
but compound present in blank

APPENDIX E
LABORAROTY ANALYTICAL RESULTS
SEMI-ANNUAL GROUNDWATER MONITORING REPORT, MARCH 2004
SOLID WASTE LANDFILL FACILITY
NAVAL ACTIVITY PUERTO RICO, CEIBA, PUERTO RICO

	Equipment Rinsate	Field Blank	Trip Blank
Site ID	**R7ER01**	**R7FB01**	**R7TB01**
Sample Description :	**R7ER01-09**	**R7FB01-09**	**RTB01-09**
Sample Date/Time :	**03-02-2004/1445**	**03-02-2004/1425**	**03-02-2004/1415**
Appendix 1 Volatile Organics (ug/L)			
1,1,1,2-Tetrachloroethane	1 U	1 U	1 U
1,1,1-Trichloroethane	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	1 U	1 U	1 U
1,1,2-Trichloroethane	1 U	1 U	1 U
1,1-Dichloroethane	1 U	1 U	1 U
1,1-Dichloroethene	1 U	1 U	1 U
1,2,3-Trichloropropane	1 UJ	1 UJ	1 UJ
1,2-Dibromo-3-chloropropane	1 U	1 U	1 U
1,2-Dibromoethane (EDB)	1 U	1 U	1 U
1,2-Dichlorobenzene	1 UJ	1 UJ	1 UJ
1,2-Dichloroethane	1 U	1 U	1 U
1,2-Dichloropropane	1 U	1 U	1 U
1,4-Dichlorobenzene	1 UJ	1 UJ	1 UJ
2-Butanone (MEK)	10 UJ	10 UJ	10 UJ
2-Hexanone	10 U	10 U	10 U
4-Methyl-2-pentanone (MIBK)	10 U	10 U	10 U
Acetone	25 UJ	25 UJ	25 UJ
Acrylonitrile	20 U	20 U	20 U
Benzene	1 U	1 U	1 U
Bromochloromethane	1 U	1 U	1 U
Bromodichloromethane	1 U	1 U	1 U
Bromoform	1 U	1 U	1 U
Bromomethane	1 U	1 U	1 U
Carbon Disulfide	1 U	1 U	1 U
Carbon tetrachloride	1 U	1 U	1 U
Chlorobenzene	1 U	1 U	1 U
Chloroethane	1 UJ	1 UJ	1 UJ
Chloroform	1 U	1 U	1 U
Chloromethane	1 U	1 U	1 U
cis-1,2-Dichloroethene	1 U	1 U	1 U
cis-1,3-Dichloropropene	1 U	1 U	1 U
Dibromochloromethane	1 U	1 U	1 U
Dibromomethane	1 U	1 U	1 U
Dichloromethane	5 U	5 U	5 U
Ethylbenzene	1 U	1 U	1 U
Iodomethane	1 UJ	1 UJ	1 UJ
Styrene	1 U	1 U	1 U
Tetrachloroethene	1 U	1 U	1 U
Toluene	1 U	1 U	1 U
trans-1,2-Dichloroethene	1 U	1 U	1 U
trans-1,3-Dichloropropene	1 U	1 U	1 U
trans-1,4-Dichloro-2-butene	2 UJ	2 UJ	2 UJ
Trichloroethene	1 U	1 U	1 U
Trichlorofluoromethane	1 U	1 U	1 U
Vinyl acetate	2 U	2 U	2 U
Vinyl chloride	1 U	1 U	1 U
Xylenes, Total	2 U	2 U	2 U

APPENDIX E
LABORAROTY ANALYTICAL RESULTS
SEMI-ANNUAL GROUNDWATER MONITORING REPORT, MARCH 2004
SOLID WASTE LANDFILL FACILITY
NAVAL ACTIVITY PUERTO RICO, CEIBA, PUERTO RICO

	Equipment Rinsate	Field Blank	Trip Blank
Site ID	**R7ER01**	**R7FB01**	**R7TB01**
Sample Description :	**R7ER01-09**	**R7FB01-09**	**RTB01-09**
Sample Date/Time :	**03-02-2004/1445**	**03-02-2004/1425**	**03-02-2004/1415**
Appendix I Metals (mg/L)			
Antimony	0.02 U	0.02 U	NA
Arsenic	0.01 U	0.01 U	NA
Barium	0.01 U	0.01 U	NA
Beryllium	0.004 U	0.004 U	NA
Cadmium	0.005 U	0.005 U	NA
Chromium	0.01 U	0.01 U	NA
Cobalt	0.01 U	0.01 U	NA
Copper	0.02 U	0.02 U	NA
Lead	0.005 U	0.005 U	NA
Nickel	0.04 U	0.04 U	NA
Selenium	0.01 U	0.01 U	NA
Silver	0.01 U	0.01 U	NA
Thallium	0.01 U	0.01 U	NA
Vanadium	0.01 U	0.01 U	NA
Zinc	0.02 U	0.02 U	NA
Appendix I Metals (Dissolved) (mg/L)			
Antimony (Dissolved)	0.02 U	0.02 U	NA
Arsenic, (Dissolved)	0.01 U	0.01 U	NA
Barium, (Dissolved)	0.01 U	0.01 U	NA
Beryllium (Dissolved)	0.004 U	0.004 U	NA
Cadmium (Dissolved)	0.005 U	0.005 U	NA
Chromium, (Dissolved)	0.01 U	0.01 U	NA
Cobalt (Dissolved)	0.01 U	0.01 U	NA
Copper, Dissolved	0.02 U	0.02 U	NA
Lead, (Dissolved)	0.005 U	0.005 U	NA
Nickel, (Dissolved)	0.04 U	0.04 U	NA
Selenium (Dissolved)	0.01 U	0.01 U	NA
Silver (Dissolved)	0.01 U	0.01 U	NA
Thallium (Dissolved)	0.01 U	0.01 U	NA
Vanadium (Dissolved)	0.01 U	0.01 U	NA
Zinc, (Dissolved)	0.02 U	0.02 U	NA

Notes:
U - Not Detected
ug/L - micrograms per liter
J - Qualified as Estimated
mg/L - milligrams per liter
NA--not analyzed

APPENDIX F
Puerto Rican Chemist Certification

SEVERN TRENT STL

Report to: Mr. Mark Kimes
Michael Baker Corporation/Baker Environmental Inc.
Airside Business Park - 100 Airside Dr.
Moon Township, PA 15108

STL Log #: S441695
Client Project #: T.O. 10
Client Project Description: SWMU 3 BASE LANDFILL/PRNS87
Report Date: 04-12-04

Angie Weimerskirk, Project Manager

ESTADO LIBRE ASOCIADO DE PUERTO RICO
A 925232
Lic. Abraham Ortiz Charriez
Lic. 2414
Apr 19 04
QUIMICO LICENCIADO

STL Savannah
5102 LaRoche Ave
Savannah, Ga 31404

SEVERN TRENT STL

VOLATILE RESULTS

SEVERN TRENT STL

STL Savannah

Client : Michael Baker Corporation/Baker Enviro
Work Order ID : SWMU 3 BASE LANDFILL/PRNS87
Laboratory ID : S441695*1
Sample ID : R7GW01R-09
Matrix : LI
Percent Solids :

Sampled : 03-01-2004
Received: 03-03-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
Acetone	8260	1B0305	03-05-04	03-05-04	SIC	25	U	ug/l	1	25	2.3
Acrylonitrile	8260	1B0305	03-05-04	03-05-04	SIC	20	U	ug/l	1	20	3.9
Benzene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.096
Bromochloromethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.16
Bromodichloromethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.18
Bromoform	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.19
Carbon Disulfide	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.72
Carbon tetrachloride	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.15
Chlorobenzene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.10
Chloroethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.86
Chloroform	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.12
Dibromochloromethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.078
1,2-Dibromo-3-chloropropane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.22
1,2-Dibromoethane (EDB)	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.083
1,2-Dichlorobenzene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.21
1,4-Dichlorobenzene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.11
trans-1,4-Dichloro-2-butene	8260	1B0305	03-05-04	03-05-04	SIC	2.0	U	ug/l	1	2.0	0.77
1,1-Dichloroethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.12
1,2-Dichloroethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.18
1,1-Dichloroethene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.31
cis-1,2-Dichloroethene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.16
trans-1,2-Dichloroethene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.36
1,2-Dichloropropane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.17
cis-1,3-Dichloropropene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.12
trans-1,3-Dichloropropene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.15
Ethylbenzene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.11
2-Hexanone	8260	1B0305	03-05-04	03-05-04	SIC	10	U	ug/l	1	10	0.29
Bromomethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.49
Chloromethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.40
Dibromomethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.21
Dichloromethane	8260	1B0305	03-05-04	03-05-04	SIC	5.0	U	ug/l	1	5.0	0.61
2-Butanone (MEK)	8260	1B0305	03-05-04	03-05-04	SIC	10	U	ug/l	1	10	0.48
Iodomethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.085
4-Methyl-2-pentanone (MIBK)	8260	1B0305	03-05-04	03-05-04	SIC	10	U	ug/l	1	10	0.27
Styrene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.050
1,1,1,2-Tetrachloroethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.20
1,1,2,2-Tetrachloroethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.17
Tetrachloroethene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.43

SEVERN TRENT STL

STL Savannah

Client : Michael Baker Corporation/Baker Enviro
Work Order ID : SWMU 3 BASE LANDFILL/PRNS87
Laboratory ID : S441695*1
Sample ID : R7GW01R-09
Matrix : LI
Percent Solids :

Sampled : 03-01-2004
Received: 03-03-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
Toluene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.065
1,1,1-Trichloroethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.065
1,1,2-Trichloroethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.11
Trichloroethene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.13
Trichlorofluoromethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.27
1,2,3-Trichloropropane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.53
Vinyl acetate	8260	1B0305	03-05-04	03-05-04	SIC	2.0	U	ug/l	1	2.0	0.36
Vinyl chloride	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.13
Xylenes, Total	8260	1B0305	03-05-04	03-05-04	SIC	2.0	U	ug/l	1	2.0	0.28
*Surrogate-TOL **	*8260*	*1B0305*	*03-05-04*	*03-05-04*	*SIC*	*102*		*%*	*1*		
*Surrogate-BFB **	*8260*	*1B0305*	*03-05-04*	*03-05-04*	*SIC*	*106*		*%*	*1*		
*Surrogate - Dibromofluoromethane **	*8260*	*1B0305*	*03-05-04*	*03-05-04*	*SIC*	*96*		*%*	*1*		

SEVERN TRENT STL

STL Savannah

Client : Michael Baker Corporation/Baker Enviro
Work Order ID : SWMU 3 BASE LANDFILL/PRNS87
Laboratory ID : S441695*2
Sample ID : R7GW02R-09
Matrix : LI
Percent Solids :

Sampled : 03-02-2004
Received: 03-03-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
Acetone	8260	1B0305	03-05-04	03-05-04	SIC	25	U	ug/l	1	25	2.3
Acrylonitrile	8260	1B0305	03-05-04	03-05-04	SIC	20	U	ug/l	1	20	3.9
Benzene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.096
Bromochloromethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.16
Bromodichloromethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.18
Bromoform	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.19
Carbon Disulfide	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.72
Carbon tetrachloride	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.15
Chlorobenzene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.10
Chloroethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.86
Chloroform	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.12
Dibromochloromethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.078
1,2-Dibromo-3-chloropropane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.22
1,2-Dibromoethane (EDB)	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.083
1,2-Dichlorobenzene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.21
1,4-Dichlorobenzene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.11
trans-1,4-Dichloro-2-butene	8260	1B0305	03-05-04	03-05-04	SIC	2.0	U	ug/l	1	2.0	0.77
1,1-Dichloroethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.12
1,2-Dichloroethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.18
1,1-Dichloroethene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.31
cis-1,2-Dichloroethene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.16
trans-1,2-Dichloroethene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.36
1,2-Dichloropropane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.17
cis-1,3-Dichloropropene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.12
trans-1,3-Dichloropropene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.15
Ethylbenzene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.11
2-Hexanone	8260	1B0305	03-05-04	03-05-04	SIC	10	U	ug/l	1	10	0.29
Bromomethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.49
Chloromethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.40
Dibromomethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.21
Dichloromethane	8260	1B0305	03-05-04	03-05-04	SIC	5.0	U	ug/l	1	5.0	0.61
2-Butanone (MEK)	8260	1B0305	03-05-04	03-05-04	SIC	10	U	ug/l	1	10	0.48
Iodomethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.085
4-Methyl-2-pentanone (MIBK)	8260	1B0305	03-05-04	03-05-04	SIC	10	U	ug/l	1	10	0.27
Styrene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.050
1,1,1,2-Tetrachloroethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.20
1,1,2,2-Tetrachloroethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.17
Tetrachloroethene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.43

SEVERN TRENT STL

STL Savannah

Client : Michael Baker Corporation/Baker Enviro
Work Order ID : SWMU 3 BASE LANDFILL/PRNS87
Laboratory ID : S441695*2
Sample ID : R7GW02R-09
Matrix : LI
Percent Solids :

Sampled : 03-02-2004
Received: 03-03-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
Toluene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.065
1,1,1-Trichloroethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.065
1,1,2-Trichloroethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.11
Trichloroethene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.13
Trichlorofluoromethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.27
1,2,3-Trichloropropane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.53
Vinyl acetate	8260	1B0305	03-05-04	03-05-04	SIC	2.0	U	ug/l	1	2.0	0.36
Vinyl chloride	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.13
Xylenes, Total	8260	1B0305	03-05-04	03-05-04	SIC	2.0	U	ug/l	1	2.0	0.28
*Surrogate-TOL **	*8260*	*1B0305*	*03-05-04*	*03-05-04*	*SIC*	*100*		*%*	*1*		
*Surrogate-BFB **	*8260*	*1B0305*	*03-05-04*	*03-05-04*	*SIC*	*110*		*%*	*1*		
*Surrogate - Dibromofluoromethane **	*8260*	*1B0305*	*03-05-04*	*03-05-04*	*SIC*	*100*		*%*	*1*		

SEVERN TRENT STL

STL Savannah

Client : Michael Baker Corporation/Baker Enviro
Work Order ID : SWMU 3 BASE LANDFILL/PRNS87
Laboratory ID : S441695*3
Sample ID : R7GW02R-09D
Matrix : LI
Percent Solids :

Sampled : 03-02-2004
Received: 03-03-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
Acetone	8260	1B0305	03-05-04	03-05-04	SIC	25	U	ug/l	1	25	2.3
Acrylonitrile	8260	1B0305	03-05-04	03-05-04	SIC	20	U	ug/l	1	20	3.9
Benzene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.096
Bromochloromethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.16
Bromodichloromethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.18
Bromoform	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.19
Carbon Disulfide	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.72
Carbon tetrachloride	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.15
Chlorobenzene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.10
Chloroethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.86
Chloroform	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.12
Dibromochloromethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.078
1,2-Dibromo-3-chloropropane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.22
1,2-Dibromoethane (EDB)	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.083
1,2-Dichlorobenzene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.21
1,4-Dichlorobenzene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.11
trans-1,4-Dichloro-2-butene	8260	1B0305	03-05-04	03-05-04	SIC	2.0	U	ug/l	1	2.0	0.77
1,1-Dichloroethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.12
1,2-Dichloroethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.18
1,1-Dichloroethene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.31
cis-1,2-Dichloroethene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.16
trans-1,2-Dichloroethene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.36
1,2-Dichloropropane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.17
cis-1,3-Dichloropropene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.12
trans-1,3-Dichloropropene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.15
Ethylbenzene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.11
2-Hexanone	8260	1B0305	03-05-04	03-05-04	SIC	10	U	ug/l	1	10	0.29
Bromomethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.49
Chloromethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.40
Dibromomethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.21
Dichloromethane	8260	1B0305	03-05-04	03-05-04	SIC	5.0	U	ug/l	1	5.0	0.61
2-Butanone (MEK)	8260	1B0305	03-05-04	03-05-04	SIC	10	U	ug/l	1	10	0.48
Iodomethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.085
4-Methyl-2-pentanone (MIBK)	8260	1B0305	03-05-04	03-05-04	SIC	10	U	ug/l	1	10	0.27
Styrene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.050
1,1,1,2-Tetrachloroethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.20
1,1,2,2-Tetrachloroethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.17
Tetrachloroethene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.43

SEVERN TRENT STL

STL Savannah

Client : Michael Baker Corporation/Baker Enviro
Work Order ID : SWMU 3 BASE LANDFILL/PRNS87
Laboratory ID : S441695*3
Sample ID : R7GW02R-09D
Matrix : LI
Percent Solids :

Sampled : 03-02-2004
Received: 03-03-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
Toluene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.065
1,1,1-Trichloroethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.065
1,1,2-Trichloroethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.11
Trichloroethene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.13
Trichlorofluoromethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.27
1,2,3-Trichloropropane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.53
Vinyl acetate	8260	1B0305	03-05-04	03-05-04	SIC	2.0	U	ug/l	1	2.0	0.36
Vinyl chloride	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.13
Xylenes, Total	8260	1B0305	03-05-04	03-05-04	SIC	2.0	U	ug/l	1	2.0	0.28
*Surrogate-TOL **	*8260*	*1B0305*	*03-05-04*	*03-05-04*	*SIC*	*100*		*%*	*1*		
*Surrogate-BFB **	*8260*	*1B0305*	*03-05-04*	*03-05-04*	*SIC*	*104*		*%*	*1*		
*Surrogate - Dibromofluoromethane **	*8260*	*1B0305*	*03-05-04*	*03-05-04*	*SIC*	*100*		*%*	*1*		

SEVERN TRENT STL

STL Savannah

Client : Michael Baker Corporation/Baker Enviro
Work Order ID : SWMU 3 BASE LANDFILL/PRNS87
Laboratory ID : S441695*4
Sample ID : R7GW04R-09
Matrix : LI
Percent Solids :

Sampled : 03-02-2004
Received: 03-03-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
Acetone	8260	1B0305	03-05-04	03-05-04	SIC	25	U	ug/l	1	25	2.3
Acrylonitrile	8260	1B0305	03-05-04	03-05-04	SIC	20	U	ug/l	1	20	3.9
Benzene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.096
Bromochloromethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.16
Bromodichloromethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.18
Bromoform	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.19
Carbon Disulfide	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.72
Carbon tetrachloride	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.15
Chlorobenzene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.10
Chloroethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.86
Chloroform	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.12
Dibromochloromethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.078
1,2-Dibromo-3-chloropropane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.22
1,2-Dibromoethane (EDB)	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.083
1,2-Dichlorobenzene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.21
1,4-Dichlorobenzene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.11
trans-1,4-Dichloro-2-butene	8260	1B0305	03-05-04	03-05-04	SIC	2.0	U	ug/l	1	2.0	0.77
1,1-Dichloroethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.12
1,2-Dichloroethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.18
1,1-Dichloroethene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.31
cis-1,2-Dichloroethene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.16
trans-1,2-Dichloroethene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.36
1,2-Dichloropropane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.17
cis-1,3-Dichloropropene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.12
trans-1,3-Dichloropropene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.15
Ethylbenzene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.11
2-Hexanone	8260	1B0305	03-05-04	03-05-04	SIC	10	U	ug/l	1	10	0.29
Bromomethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.49
Chloromethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.40
Dibromomethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.21
Dichloromethane	8260	1B0305	03-05-04	03-05-04	SIC	5.0	U	ug/l	1	5.0	0.61
2-Butanone (MEK)	8260	1B0305	03-05-04	03-05-04	SIC	10	U	ug/l	1	10	0.48
Iodomethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.085
4-Methyl-2-pentanone (MIBK)	8260	1B0305	03-05-04	03-05-04	SIC	10	U	ug/l	1	10	0.27
Styrene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.050
1,1,1,2-Tetrachloroethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.20
1,1,2,2-Tetrachloroethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.17
Tetrachloroethene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.43

SEVERN TRENT STL

STL Savannah

Client : Michael Baker Corporation/Baker Enviro
Work Order ID : SWMU 3 BASE LANDFILL/PRNS87
Laboratory ID : S441695*4
Sample ID : R7GW04R-09
Matrix : LI
Percent Solids :

Sampled : 03-02-2004
Received: 03-03-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
Toluene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.065
1,1,1-Trichloroethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.065
1,1,2-Trichloroethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.11
Trichloroethene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.13
Trichlorofluoromethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.27
1,2,3-Trichloropropane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.53
Vinyl acetate	8260	1B0305	03-05-04	03-05-04	SIC	2.0	U	ug/l	1	2.0	0.36
Vinyl chloride	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.13
Xylenes, Total	8260	1B0305	03-05-04	03-05-04	SIC	2.0	U	ug/l	1	2.0	0.28
*Surrogate-TOL **	*8260*	*1B0305*	*03-05-04*	*03-05-04*	*SIC*	*104*		*%*	*1*		
*Surrogate-BFB **	*8260*	*1B0305*	*03-05-04*	*03-05-04*	*SIC*	*98*		*%*	*1*		
*Surrogate - Dibromofluoromethane **	*8260*	*1B0305*	*03-05-04*	*03-05-04*	*SIC*	*96*		*%*	*1*		

SEVERN TRENT STL

STL Savannah

Client : Michael Baker Corporation/Baker Enviro
Work Order ID : SWMU 3 BASE LANDFILL/PRNS87
Laboratory ID : S441695*5
Sample ID : R7GW05R-09
Matrix : LI
Percent Solids :

Sampled : 03-01-2004
Received: 03-03-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
Acetone	8260	1B0305	03-05-04	03-05-04	SIC	25	U	ug/l	1	25	2.3
Acrylonitrile	8260	1B0305	03-05-04	03-05-04	SIC	20	U	ug/l	1	20	3.9
Benzene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.096
Bromochloromethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.16
Bromodichloromethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.18
Bromoform	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.19
Carbon Disulfide	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.72
Carbon tetrachloride	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.15
Chlorobenzene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.10
Chloroethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.86
Chloroform	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.12
Dibromochloromethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.078
1,2-Dibromo-3-chloropropane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.22
1,2-Dibromoethane (EDB)	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.083
1,2-Dichlorobenzene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.21
1,4-Dichlorobenzene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.11
trans-1,4-Dichloro-2-butene	8260	1B0305	03-05-04	03-05-04	SIC	2.0	U	ug/l	1	2.0	0.77
1,1-Dichloroethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.12
1,2-Dichloroethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.18
1,1-Dichloroethene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.31
cis-1,2-Dichloroethene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.16
trans-1,2-Dichloroethene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.36
1,2-Dichloropropane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.17
cis-1,3-Dichloropropene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.12
trans-1,3-Dichloropropene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.15
Ethylbenzene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.11
2-Hexanone	8260	1B0305	03-05-04	03-05-04	SIC	10	U	ug/l	1	10	0.29
Bromomethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.49
Chloromethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.40
Dibromomethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.21
Dichloromethane	8260	1B0305	03-05-04	03-05-04	SIC	5.0	U	ug/l	1	5.0	0.61
2-Butanone (MEK)	8260	1B0305	03-05-04	03-05-04	SIC	10	U	ug/l	1	10	0.48
Iodomethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.085
4-Methyl-2-pentanone (MIBK)	8260	1B0305	03-05-04	03-05-04	SIC	10	U	ug/l	1	10	0.27
Styrene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.050
1,1,1,2-Tetrachloroethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.20
1,1,2,2-Tetrachloroethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.17
Tetrachloroethene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.43

SEVERN TRENT STL

STL Savannah

Client : Michael Baker Corporation/Baker Enviro
Work Order ID : SWMU 3 BASE LANDFILL/PRNS87
Laboratory ID : S441695*5
Sample ID : R7GW05R-09
Matrix : LI
Percent Solids :

Sampled : 03-01-2004
Received: 03-03-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
Toluene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.065
1,1,1-Trichloroethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.065
1,1,2-Trichloroethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.11
Trichloroethene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.13
Trichlorofluoromethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.27
1,2,3-Trichloropropane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.53
Vinyl acetate	8260	1B0305	03-05-04	03-05-04	SIC	2.0	U	ug/l	1	2.0	0.36
Vinyl chloride	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.13
Xylenes, Total	8260	1B0305	03-05-04	03-05-04	SIC	2.0	U	ug/l	1	2.0	0.28
*Surrogate-TOL **	*8260*	*1B0305*	*03-05-04*	*03-05-04*	*SIC*	*104*		*%*	*1*		
*Surrogate-BFB **	*8260*	*1B0305*	*03-05-04*	*03-05-04*	*SIC*	*112*		*%*	*1*		
*Surrogate - Dibromofluoromethane **	*8260*	*1B0305*	*03-05-04*	*03-05-04*	*SIC*	*94*		*%*	*1*		

SEVERN TRENT STL

STL Savannah

Client : Michael Baker Corporation/Baker Enviro
Work Order ID : SWMU 3 BASE LANDFILL/PRNS87
Laboratory ID : S441695*6
Sample ID : R7GW07R2-09
Matrix : LI
Percent Solids :

Sampled : 03-01-2004
Received: 03-03-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
Acetone	8260	1B0305	03-05-04	03-05-04	SIC	25	U	ug/l	1	25	2.3
Acrylonitrile	8260	1B0305	03-05-04	03-05-04	SIC	20	U	ug/l	1	20	3.9
Benzene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.096
Bromochloromethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.16
Bromodichloromethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.18
Bromoform	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.19
Carbon Disulfide	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.72
Carbon tetrachloride	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.15
Chlorobenzene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.10
Chloroethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.86
Chloroform	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.12
Dibromochloromethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.078
1,2-Dibromo-3-chloropropane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.22
1,2-Dibromoethane (EDB)	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.083
1,2-Dichlorobenzene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.21
1,4-Dichlorobenzene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.11
trans-1,4-Dichloro-2-butene	8260	1B0305	03-05-04	03-05-04	SIC	2.0	U	ug/l	1	2.0	0.77
1,1-Dichloroethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.12
1,2-Dichloroethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.18
1,1-Dichloroethene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.31
cis-1,2-Dichloroethene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.16
trans-1,2-Dichloroethene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.36
1,2-Dichloropropane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.17
cis-1,3-Dichloropropene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.12
trans-1,3-Dichloropropene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.15
Ethylbenzene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.11
2-Hexanone	8260	1B0305	03-05-04	03-05-04	SIC	10	U	ug/l	1	10	0.29
Bromomethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.49
Chloromethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.40
Dibromomethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.21
Dichloromethane	8260	1B0305	03-05-04	03-05-04	SIC	5.0	U	ug/l	1	5.0	0.61
2-Butanone (MEK)	8260	1B0305	03-05-04	03-05-04	SIC	10	U	ug/l	1	10	0.48
Iodomethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.085
4-Methyl-2-pentanone (MIBK)	8260	1B0305	03-05-04	03-05-04	SIC	10	U	ug/l	1	10	0.27
Styrene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.050
1,1,1,2-Tetrachloroethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.20
1,1,2,2-Tetrachloroethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.17
Tetrachloroethene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.43

SEVERN TRENT STL

STL Savannah

Client : Michael Baker Corporation/Baker Enviro
Work Order ID : SWMU 3 BASE LANDFILL/PRNS87
Laboratory ID : S441695*6
Sample ID : R7GW07R2-09
Matrix : LI
Percent Solids :

Sampled : 03-01-2004
Received: 03-03-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
Toluene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.065
1,1,1-Trichloroethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.065
1,1,2-Trichloroethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.11
Trichloroethene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.13
Trichlorofluoromethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.27
1,2,3-Trichloropropane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.53
Vinyl acetate	8260	1B0305	03-05-04	03-05-04	SIC	2.0	U	ug/l	1	2.0	0.36
Vinyl chloride	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.13
Xylenes, Total	8260	1B0305	03-05-04	03-05-04	SIC	2.0	U	ug/l	1	2.0	0.28
*Surrogate-TOL **	*8260*	*1B0305*	*03-05-04*	*03-05-04*	*SIC*	*102*		*%*	*1*		
*Surrogate-BFB **	*8260*	*1B0305*	*03-05-04*	*03-05-04*	*SIC*	*106*		*%*	*1*		
*Surrogate - Dibromofluoromethane **	*8260*	*1B0305*	*03-05-04*	*03-05-04*	*SIC*	*94*		*%*	*1*		

SEVERN TRENT STL

STL Savannah

Client : Michael Baker Corporation/Baker Enviro
Work Order ID : SWMU 3 BASE LANDFILL/PRNS87
Laboratory ID : S441695*7
Sample ID : R7GW08R2-09
Matrix : LI
Percent Solids :

Sampled : 03-01-2004
Received: 03-03-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
Acetone	8260	1B0305	03-05-04	03-05-04	SIC	25	U	ug/l	1	25	2.3
Acrylonitrile	8260	1B0305	03-05-04	03-05-04	SIC	20	U	ug/l	1	20	3.9
Benzene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.096
Bromochloromethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.16
Bromodichloromethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.18
Bromoform	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.19
Carbon Disulfide	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.72
Carbon tetrachloride	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.15
Chlorobenzene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.10
Chloroethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.86
Chloroform	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.12
Dibromochloromethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.078
1,2-Dibromo-3-chloropropane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.22
1,2-Dibromoethane (EDB)	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.083
1,2-Dichlorobenzene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.21
1,4-Dichlorobenzene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.11
trans-1,4-Dichloro-2-butene	8260	1B0305	03-05-04	03-05-04	SIC	2.0	U	ug/l	1	2.0	0.77
1,1-Dichloroethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.12
1,2-Dichloroethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.18
1,1-Dichloroethene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.31
cis-1,2-Dichloroethene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.16
trans-1,2-Dichloroethene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.36
1,2-Dichloropropane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.17
cis-1,3-Dichloropropene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.12
trans-1,3-Dichloropropene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.15
Ethylbenzene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.11
2-Hexanone	8260	1B0305	03-05-04	03-05-04	SIC	10	U	ug/l	1	10	0.29
Bromomethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.49
Chloromethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.40
Dibromomethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.21
Dichloromethane	8260	1B0305	03-05-04	03-05-04	SIC	5.0	U	ug/l	1	5.0	0.61
2-Butanone (MEK)	8260	1B0305	03-05-04	03-05-04	SIC	10	U	ug/l	1	10	0.48
Iodomethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.085
4-Methyl-2-pentanone (MIBK)	8260	1B0305	03-05-04	03-05-04	SIC	10	U	ug/l	1	10	0.27
Styrene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.050
1,1,1,2-Tetrachloroethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.20
1,1,2,2-Tetrachloroethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.17
Tetrachloroethene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.43

SEVERN TRENT STL

STL Savannah

Client : Michael Baker Corporation/Baker Enviro
Work Order ID : SWMU 3 BASE LANDFILL/PRNS87
Laboratory ID : S441695*7
Sample ID : R7GW08R2-09
Matrix : LI
Percent Solids :

Sampled : 03-01-2004
Received: 03-03-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
Toluene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.065
1,1,1-Trichloroethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.065
1,1,2-Trichloroethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.11
Trichloroethene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.13
Trichlorofluoromethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.27
1,2,3-Trichloropropane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.53
Vinyl acetate	8260	1B0305	03-05-04	03-05-04	SIC	2.0	U	ug/l	1	2.0	0.36
Vinyl chloride	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.13
Xylenes, Total	8260	1B0305	03-05-04	03-05-04	SIC	2.0	U	ug/l	1	2.0	0.28
*Surrogate-TOL **	*8260*	*1B0305*	*03-05-04*	*03-05-04*	*SIC*	*104*		*%*	*1*		
*Surrogate-BFB **	*8260*	*1B0305*	*03-05-04*	*03-05-04*	*SIC*	*108*		*%*	*1*		
*Surrogate - Dibromofluoromethane **	*8260*	*1B0305*	*03-05-04*	*03-05-04*	*SIC*	*94*		*%*	*1*		

SEVERN TRENT STL

STL Savannah

Client : Michael Baker Corporation/Baker Enviro
Work Order ID : SWMU 3 BASE LANDFILL/PRNS87
Laboratory ID : S441695*8
Sample ID : R7GW09-09
Matrix : LI
Percent Solids :

Sampled : 03-02-2004
Received: 03-03-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
Acetone	8260	1B0305	03-05-04	03-05-04	SIC	25	U	ug/l	1	25	2.3
Acrylonitrile	8260	1B0305	03-05-04	03-05-04	SIC	20	U	ug/l	1	20	3.9
Benzene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.096
Bromochloromethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.16
Bromodichloromethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.18
Bromoform	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.19
Carbon Disulfide	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.72
Carbon tetrachloride	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.15
Chlorobenzene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.10
Chloroethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.86
Chloroform	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.12
Dibromochloromethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.078
1,2-Dibromo-3-chloropropane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.22
1,2-Dibromoethane (EDB)	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.083
1,2-Dichlorobenzene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.21
1,4-Dichlorobenzene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.11
trans-1,4-Dichloro-2-butene	8260	1B0305	03-05-04	03-05-04	SIC	2.0	U	ug/l	1	2.0	0.77
1,1-Dichloroethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.12
1,2-Dichloroethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.18
1,1-Dichloroethene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.31
cis-1,2-Dichloroethene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.16
trans-1,2-Dichloroethene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.36
1,2-Dichloropropane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.17
cis-1,3-Dichloropropene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.12
trans-1,3-Dichloropropene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.15
Ethylbenzene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.11
2-Hexanone	8260	1B0305	03-05-04	03-05-04	SIC	10	U	ug/l	1	10	0.29
Bromomethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.49
Chloromethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.40
Dibromomethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.21
Dichloromethane	8260	1B0305	03-05-04	03-05-04	SIC	5.0	U	ug/l	1	5.0	0.61
2-Butanone (MEK)	8260	1B0305	03-05-04	03-05-04	SIC	10	U	ug/l	1	10	0.48
Iodomethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.085
4-Methyl-2-pentanone (MIBK)	8260	1B0305	03-05-04	03-05-04	SIC	10	U	ug/l	1	10	0.27
Styrene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.050
1,1,1,2-Tetrachloroethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.20
1,1,2,2-Tetrachloroethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.17
Tetrachloroethene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.43

SEVERN TRENT STL

STL Savannah

Client : Michael Baker Corporation/Baker Enviro
Work Order ID : SWMU 3 BASE LANDFILL/PRNS87
Laboratory ID : S441695*8
Sample ID : R7GW09-09
Matrix : LI
Percent Solids :

Sampled : 03-02-2004
Received: 03-03-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
Toluene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.065
1,1,1-Trichloroethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.065
1,1,2-Trichloroethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.11
Trichloroethene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.13
Trichlorofluoromethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.27
1,2,3-Trichloropropane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.53
Vinyl acetate	8260	1B0305	03-05-04	03-05-04	SIC	2.0	U	ug/l	1	2.0	0.36
Vinyl chloride	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.13
Xylenes, Total	8260	1B0305	03-05-04	03-05-04	SIC	2.0	U	ug/l	1	2.0	0.28
*Surrogate-TOL **	*8260*	*1B0305*	*03-05-04*	*03-05-04*	*SIC*	*100*		*%*	*1*		
*Surrogate-BFB **	*8260*	*1B0305*	*03-05-04*	*03-05-04*	*SIC*	*112*		*%*	*1*		
*Surrogate - Dibromofluoromethane **	*8260*	*1B0305*	*03-05-04*	*03-05-04*	*SIC*	*94*		*%*	*1*		

SEVERN TRENT STL

STL Savannah

Client : Michael Baker Corporation/Baker Enviro
Work Order ID : SWMU 3 BASE LANDFILL/PRNS87
Laboratory ID : S441695*9
Sample ID : R7GW10-09
Matrix : LI
Percent Solids :

Sampled : 03-01-2004
Received: 03-03-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
Acetone	8260	1B0305	03-05-04	03-05-04	SIC	25	U	ug/l	1	25	2.3
Acrylonitrile	8260	1B0305	03-05-04	03-05-04	SIC	20	U	ug/l	1	20	3.9
Benzene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.096
Bromochloromethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.16
Bromodichloromethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.18
Bromoform	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.19
Carbon Disulfide	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.72
Carbon tetrachloride	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.15
Chlorobenzene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.10
Chloroethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.86
Chloroform	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.12
Dibromochloromethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.078
1,2-Dibromo-3-chloropropane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.22
1,2-Dibromoethane (EDB)	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.083
1,2-Dichlorobenzene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.21
1,4-Dichlorobenzene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.11
trans-1,4-Dichloro-2-butene	8260	1B0305	03-05-04	03-05-04	SIC	2.0	U	ug/l	1	2.0	0.77
1,1-Dichloroethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.12
1,2-Dichloroethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.18
1,1-Dichloroethene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.31
cis-1,2-Dichloroethene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.16
trans-1,2-Dichloroethene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.36
1,2-Dichloropropane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.17
cis-1,3-Dichloropropene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.12
trans-1,3-Dichloropropene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.15
Ethylbenzene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.11
2-Hexanone	8260	1B0305	03-05-04	03-05-04	SIC	10	U	ug/l	1	10	0.29
Bromomethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.49
Chloromethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.40
Dibromomethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.21
Dichloromethane	8260	1B0305	03-05-04	03-05-04	SIC	5.0	U	ug/l	1	5.0	0.61
2-Butanone (MEK)	8260	1B0305	03-05-04	03-05-04	SIC	10	U	ug/l	1	10	0.48
Iodomethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.085
4-Methyl-2-pentanone (MIBK)	8260	1B0305	03-05-04	03-05-04	SIC	10	U	ug/l	1	10	0.27
Styrene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.050
1,1,1,2-Tetrachloroethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.20
1,1,2,2-Tetrachloroethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.17
Tetrachloroethene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.43

SEVERN TRENT STL

STL Savannah

Client : Michael Baker Corporation/Baker Enviro
Work Order ID : SWMU 3 BASE LANDFILL/PRNS87
Laboratory ID : S441695*9
Sample ID : R7GW10-09
Matrix : LI
Percent Solids :

Sampled : 03-01-2004
Received: 03-03-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
Toluene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.065
1,1,1-Trichloroethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.065
1,1,2-Trichloroethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.11
Trichloroethene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.13
Trichlorofluoromethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.27
1,2,3-Trichloropropane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.53
Vinyl acetate	8260	1B0305	03-05-04	03-05-04	SIC	2.0	U	ug/l	1	2.0	0.36
Vinyl chloride	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.13
Xylenes, Total	8260	1B0305	03-05-04	03-05-04	SIC	2.0	U	ug/l	1	2.0	0.28
*Surrogate-TOL **	*8260*	*1B0305*	*03-05-04*	*03-05-04*	*SIC*	*110*		*%*	*1*		
*Surrogate-BFB **	*8260*	*1B0305*	*03-05-04*	*03-05-04*	*SIC*	*106*		*%*	*1*		
*Surrogate - Dibromofluoromethane **	*8260*	*1B0305*	*03-05-04*	*03-05-04*	*SIC*	*104*		*%*	*1*		

SEVERN TRENT STL

STL Savannah

Client : Michael Baker Corporation/Baker Enviro
Work Order ID : SWMU 3 BASE LANDFILL/PRNS87
Laboratory ID : S441695*10
Sample ID : R7GW11-09
Matrix : LI
Percent Solids :

Sampled : 03-01-2004
Received: 03-03-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
Acetone	8260	1B0305	03-05-04	03-05-04	SIC	25	U	ug/l	1	25	2.3
Acrylonitrile	8260	1B0305	03-05-04	03-05-04	SIC	20	U	ug/l	1	20	3.9
Benzene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.096
Bromochloromethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.16
Bromodichloromethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.18
Bromoform	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.19
Carbon Disulfide	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.72
Carbon tetrachloride	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.15
Chlorobenzene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.10
Chloroethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.86
Chloroform	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.12
Dibromochloromethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.078
1,2-Dibromo-3-chloropropane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.22
1,2-Dibromoethane (EDB)	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.083
1,2-Dichlorobenzene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.21
1,4-Dichlorobenzene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.11
trans-1,4-Dichloro-2-butene	8260	1B0305	03-05-04	03-05-04	SIC	2.0	U	ug/l	1	2.0	0.77
1,1-Dichloroethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.12
1,2-Dichloroethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.18
1,1-Dichloroethene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.31
cis-1,2-Dichloroethene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.16
trans-1,2-Dichloroethene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.36
1,2-Dichloropropane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.17
cis-1,3-Dichloropropene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.12
trans-1,3-Dichloropropene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.15
Ethylbenzene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.11
2-Hexanone	8260	1B0305	03-05-04	03-05-04	SIC	10	U	ug/l	1	10	0.29
Bromomethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.49
Chloromethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.40
Dibromomethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.21
Dichloromethane	8260	1B0305	03-05-04	03-05-04	SIC	5.0	U	ug/l	1	5.0	0.61
2-Butanone (MEK)	8260	1B0305	03-05-04	03-05-04	SIC	10	U	ug/l	1	10	0.48
Iodomethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.085
4-Methyl-2-pentanone (MIBK)	8260	1B0305	03-05-04	03-05-04	SIC	10	U	ug/l	1	10	0.27
Styrene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.050
1,1,1,2-Tetrachloroethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.20
1,1,2,2-Tetrachloroethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.17
Tetrachloroethene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.43

SEVERN TRENT STL

STL Savannah

Client : Michael Baker Corporation/Baker Enviro
Work Order ID : SWMU 3 BASE LANDFILL/PRNS87
Laboratory ID : S441695*10
Sample ID : R7GW11-09
Matrix : LI
Percent Solids :

Sampled : 03-01-2004
Received: 03-03-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
Toluene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.065
1,1,1-Trichloroethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.065
1,1,2-Trichloroethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.11
Trichloroethene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.13
Trichlorofluoromethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.27
1,2,3-Trichloropropane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.53
Vinyl acetate	8260	1B0305	03-05-04	03-05-04	SIC	2.0	U	ug/l	1	2.0	0.36
Vinyl chloride	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.13
Xylenes, Total	8260	1B0305	03-05-04	03-05-04	SIC	2.0	U	ug/l	1	2.0	0.28
*Surrogate-TOL **	*8260*	*1B0305*	*03-05-04*	*03-05-04*	*SIC*	*100*		*%*	*1*		
*Surrogate-BFB **	*8260*	*1B0305*	*03-05-04*	*03-05-04*	*SIC*	*110*		*%*	*1*		
*Surrogate - Dibromofluoromethane **	*8260*	*1B0305*	*03-05-04*	*03-05-04*	*SIC*	*106*		*%*	*1*		

SEVERN TRENT STL

STL Savannah

Client : Michael Baker Corporation/Baker Enviro
Work Order ID : SWMU 3 BASE LANDFILL/PRNS87
Laboratory ID : S441695*11
Sample ID : R7ER01-09
Matrix : LI
Percent Solids :

Sampled : 03-02-2004
Received: 03-03-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
Acetone	8260	1B0305	03-05-04	03-05-04	SIC	25	U	ug/l	1	25	2.3
Acrylonitrile	8260	1B0305	03-05-04	03-05-04	SIC	20	U	ug/l	1	20	3.9
Benzene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.096
Bromochloromethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.16
Bromodichloromethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.18
Bromoform	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.19
Carbon Disulfide	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.72
Carbon tetrachloride	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.15
Chlorobenzene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.10
Chloroethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.86
Chloroform	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.12
Dibromochloromethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.078
1,2-Dibromo-3-chloropropane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.22
1,2-Dibromoethane (EDB)	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.083
1,2-Dichlorobenzene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.21
1,4-Dichlorobenzene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.11
trans-1,4-Dichloro-2-butene	8260	1B0305	03-05-04	03-05-04	SIC	2.0	U	ug/l	1	2.0	0.77
1,1-Dichloroethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.12
1,2-Dichloroethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.18
1,1-Dichloroethene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.31
cis-1,2-Dichloroethene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.16
trans-1,2-Dichloroethene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.36
1,2-Dichloropropane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.17
cis-1,3-Dichloropropene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.12
trans-1,3-Dichloropropene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.15
Ethylbenzene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.11
2-Hexanone	8260	1B0305	03-05-04	03-05-04	SIC	10	U	ug/l	1	10	0.29
Bromomethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.49
Chloromethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.40
Dibromomethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.21
Dichloromethane	8260	1B0305	03-05-04	03-05-04	SIC	5.0	U	ug/l	1	5.0	0.61
2-Butanone (MEK)	8260	1B0305	03-05-04	03-05-04	SIC	10	U	ug/l	1	10	0.48
Iodomethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.085
4-Methyl-2-pentanone (MIBK)	8260	1B0305	03-05-04	03-05-04	SIC	10	U	ug/l	1	10	0.27
Styrene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.050
1,1,1,2-Tetrachloroethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.20
1,1,2,2-Tetrachloroethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.17
Tetrachloroethene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.43

SEVERN TRENT STL

STL Savannah

Client : Michael Baker Corporation/Baker Enviro
Work Order ID : SWMU 3 BASE LANDFILL/PRNS87
Laboratory ID : S441695*11
Sample ID : R7ER01-09
Matrix : LI
Percent Solids :

Sampled : 03-02-2004
Received: 03-03-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
Toluene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.065
1,1,1-Trichloroethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.065
1,1,2-Trichloroethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.11
Trichloroethene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.13
Trichlorofluoromethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.27
1,2,3-Trichloropropane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.53
Vinyl acetate	8260	1B0305	03-05-04	03-05-04	SIC	2.0	U	ug/l	1	2.0	0.36
Vinyl chloride	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.13
Xylenes, Total	8260	1B0305	03-05-04	03-05-04	SIC	2.0	U	ug/l	1	2.0	0.28
*Surrogate-TOL **	*8260*	*1B0305*	*03-05-04*	*03-05-04*	*SIC*	*96*		*%*	*1*		
*Surrogate-BFB **	*8260*	*1B0305*	*03-05-04*	*03-05-04*	*SIC*	*110*		*%*	*1*		
*Surrogate - Dibromofluoromethane **	*8260*	*1B0305*	*03-05-04*	*03-05-04*	*SIC*	*98*		*%*	*1*		

SEVERN TRENT STL

STL Savannah

Client : Michael Baker Corporation/Baker Enviro
Work Order ID : SWMU 3 BASE LANDFILL/PRNS87
Laboratory ID : S441695*12
Sample ID : R7FB01-09
Matrix : LI
Percent Solids :

Sampled : 03-02-2004
Received: 03-03-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
Acetone	8260	1B0305	03-05-04	03-05-04	SIC	25	U	ug/l	1	25	2.3
Acrylonitrile	8260	1B0305	03-05-04	03-05-04	SIC	20	U	ug/l	1	20	3.9
Benzene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.096
Bromochloromethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.16
Bromodichloromethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.18
Bromoform	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.19
Carbon Disulfide	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.72
Carbon tetrachloride	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.15
Chlorobenzene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.10
Chloroethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.86
Chloroform	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.12
Dibromochloromethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.078
1,2-Dibromo-3-chloropropane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.22
1,2-Dibromoethane (EDB)	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.083
1,2-Dichlorobenzene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.21
1,4-Dichlorobenzene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.11
trans-1,4-Dichloro-2-butene	8260	1B0305	03-05-04	03-05-04	SIC	2.0	U	ug/l	1	2.0	0.77
1,1-Dichloroethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.12
1,2-Dichloroethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.18
1,1-Dichloroethene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.31
cis-1,2-Dichloroethene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.16
trans-1,2-Dichloroethene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.36
1,2-Dichloropropane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.17
cis-1,3-Dichloropropene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.12
trans-1,3-Dichloropropene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.15
Ethylbenzene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.11
2-Hexanone	8260	1B0305	03-05-04	03-05-04	SIC	10	U	ug/l	1	10	0.29
Bromomethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.49
Chloromethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.40
Dibromomethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.21
Dichloromethane	8260	1B0305	03-05-04	03-05-04	SIC	5.0	U	ug/l	1	5.0	0.61
2-Butanone (MEK)	8260	1B0305	03-05-04	03-05-04	SIC	10	U	ug/l	1	10	0.48
Iodomethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.085
4-Methyl-2-pentanone (MIBK)	8260	1B0305	03-05-04	03-05-04	SIC	10	U	ug/l	1	10	0.27
Styrene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.050
1,1,1,2-Tetrachloroethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.20
1,1,2,2-Tetrachloroethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.17
Tetrachloroethene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.43

SEVERN TRENT STL

STL Savannah

Client : Michael Baker Corporation/Baker Enviro
Work Order ID : SWMU 3 BASE LANDFILL/PRNS87
Laboratory ID : S441695*12
Sample ID : R7FB01-09
Matrix : LI
Percent Solids :

Sampled : 03-02-2004
Received: 03-03-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
Toluene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.065
1,1,1-Trichloroethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.065
1,1,2-Trichloroethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.11
Trichloroethene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.13
Trichlorofluoromethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.27
1,2,3-Trichloropropane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.53
Vinyl acetate	8260	1B0305	03-05-04	03-05-04	SIC	2.0	U	ug/l	1	2.0	0.36
Vinyl chloride	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.13
Xylenes, Total	8260	1B0305	03-05-04	03-05-04	SIC	2.0	U	ug/l	1	2.0	0.28
*Surrogate-TOL **	*8260*	*1B0305*	*03-05-04*	*03-05-04*	*SIC*	*100*		*%*	*1*		
*Surrogate-BFB **	*8260*	*1B0305*	*03-05-04*	*03-05-04*	*SIC*	*104*		*%*	*1*		
*Surrogate - Dibromofluoromethane **	*8260*	*1B0305*	*03-05-04*	*03-05-04*	*SIC*	*102*		*%*	*1*		

SEVERN TRENT STL

STL Savannah

Client : Michael Baker Corporation/Baker Enviro
Work Order ID : SWMU 3 BASE LANDFILL/PRNS87
Laboratory ID : S441695*13
Sample ID : RTB01-09
Matrix : LI
Percent Solids :

Sampled : 03-02-2004
Received: 03-03-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
Acetone	8260	1B0305	03-05-04	03-05-04	SIC	25	U	ug/l	1	25	2.3
Acrylonitrile	8260	1B0305	03-05-04	03-05-04	SIC	20	U	ug/l	1	20	3.9
Benzene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.096
Bromochloromethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.16
Bromodichloromethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.18
Bromoform	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.19
Carbon Disulfide	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.72
Carbon tetrachloride	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.15
Chlorobenzene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.10
Chloroethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.86
Chloroform	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.12
Dibromochloromethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.078
1,2-Dibromo-3-chloropropane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.22
1,2-Dibromoethane (EDB)	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.083
1,2-Dichlorobenzene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.21
1,4-Dichlorobenzene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.11
trans-1,4-Dichloro-2-butene	8260	1B0305	03-05-04	03-05-04	SIC	2.0	U	ug/l	1	2.0	0.77
1,1-Dichloroethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.12
1,2-Dichloroethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.18
1,1-Dichloroethene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.31
cis-1,2-Dichloroethene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.16
trans-1,2-Dichloroethene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.36
1,2-Dichloropropane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.17
cis-1,3-Dichloropropene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.12
trans-1,3-Dichloropropene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.15
Ethylbenzene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.11
2-Hexanone	8260	1B0305	03-05-04	03-05-04	SIC	10	U	ug/l	1	10	0.29
Bromomethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.49
Chloromethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.40
Dibromomethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.21
Dichloromethane	8260	1B0305	03-05-04	03-05-04	SIC	5.0	U	ug/l	1	5.0	0.61
2-Butanone (MEK)	8260	1B0305	03-05-04	03-05-04	SIC	10	U	ug/l	1	10	0.48
Iodomethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.085
4-Methyl-2-pentanone (MIBK)	8260	1B0305	03-05-04	03-05-04	SIC	10	U	ug/l	1	10	0.27
Styrene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.050
1,1,1,2-Tetrachloroethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.20
1,1,2,2-Tetrachloroethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.17
Tetrachloroethene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.43

SEVERN TRENT STL

STL Savannah

Client : Michael Baker Corporation/Baker Enviro
Work Order ID : SWMU 3 BASE LANDFILL/PRNS87
Laboratory ID : S441695*13
Sample ID : RTB01-09
Matrix : LI
Percent Solids :

Sampled : 03-02-2004
Received: 03-03-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
Toluene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.065
1,1,1-Trichloroethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.065
1,1,2-Trichloroethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.11
Trichloroethene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.13
Trichlorofluoromethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.27
1,2,3-Trichloropropane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.53
Vinyl acetate	8260	1B0305	03-05-04	03-05-04	SIC	2.0	U	ug/l	1	2.0	0.36
Vinyl chloride	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.13
Xylenes, Total	8260	1B0305	03-05-04	03-05-04	SIC	2.0	U	ug/l	1	2.0	0.28
*Surrogate-TOL **	*8260*	*1B0305*	*03-05-04*	*03-05-04*	*SIC*	*106*		*%*	*1*		
*Surrogate-BFB **	*8260*	*1B0305*	*03-05-04*	*03-05-04*	*SIC*	*104*		*%*	*1*		
*Surrogate - Dibromofluoromethane **	*8260*	*1B0305*	*03-05-04*	*03-05-04*	*SIC*	*102*		*%*	*1*		

SEVERN TRENT STL

VOLATILE QC

SEVERN TRENT STL

STL Savannah

Client : Michael Baker Corporation/Baker Enviro
Work Order ID : BASE LANDFILL
Laboratory ID : S4PRNS87*1
Sample ID : Method Blank
Matrix : LI
Percent Solids :

Sampled :
Received:

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
Acetone	8260	1B0305	03-05-04	03-05-04	SIC	25	U	ug/l	1	25	2.3
Acrylonitrile	8260	1B0305	03-05-04	03-05-04	SIC	20	U	ug/l	1	20	3.9
Benzene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.096
Bromochloromethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.16
Bromodichloromethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.18
Bromoform	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.19
Carbon Disulfide	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.72
Carbon tetrachloride	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.15
Chlorobenzene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.10
Chloroethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.86
Chloroform	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.12
Dibromochloromethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.078
1,2-Dibromo-3-chloropropane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.22
1,2-Dibromoethane (EDB)	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.083
1,2-Dichlorobenzene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.21
1,4-Dichlorobenzene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.11
trans-1,4-Dichloro-2-butene	8260	1B0305	03-05-04	03-05-04	SIC	2.0	U	ug/l	1	2.0	0.77
1,1-Dichloroethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.12
1,2-Dichloroethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.18
1,1-Dichloroethene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.31
cis-1,2-Dichloroethene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.16
trans-1,2-Dichloroethene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.36
1,2-Dichloropropane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.17
cis-1,3-Dichloropropene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.12
trans-1,3-Dichloropropene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.15
Ethylbenzene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.11
2-Hexanone	8260	1B0305	03-05-04	03-05-04	SIC	10	U	ug/l	1	10	0.29
Bromomethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.49
Chloromethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.40
Dibromomethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.21
Dichloromethane	8260	1B0305	03-05-04	03-05-04	SIC	5.0	U	ug/l	1	5.0	0.61
2-Butanone (MEK)	8260	1B0305	03-05-04	03-05-04	SIC	10	U	ug/l	1	10	0.48
Iodomethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.085
4-Methyl-2-pentanone (MIBK)	8260	1B0305	03-05-04	03-05-04	SIC	10	U	ug/l	1	10	0.27
Styrene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.050
1,1,1,2-Tetrachloroethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.20
1,1,2,2-Tetrachloroethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.17
Tetrachloroethene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.43

SEVERN TRENT STL

STL Savannah

Client : Michael Baker Corporation/Baker Enviro
Work Order ID : BASE LANDFILL
Laboratory ID : S4PRNS87*1
Sample ID : Method Blank
Matrix : LI
Percent Solids :

Sampled :
Received:

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
Toluene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.065
1,1,1-Trichloroethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.065
1,1,2-Trichloroethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.11
Trichloroethene	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.13
Trichlorofluoromethane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.27
1,2,3-Trichloropropane	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.53
Vinyl acetate	8260	1B0305	03-05-04	03-05-04	SIC	2.0	U	ug/l	1	2.0	0.36
Vinyl chloride	8260	1B0305	03-05-04	03-05-04	SIC	1.0	U	ug/l	1	1.0	0.13
Xylenes, Total	8260	1B0305	03-05-04	03-05-04	SIC	2.0	U	ug/l	1	2.0	0.28
*Surrogate-TOL **	*8260*	*1B0305*	*03-05-04*	*03-05-04*	*SIC*	*100*		*%*	*1*		
*Surrogate-BFB **	*8260*	*1B0305*	*03-05-04*	*03-05-04*	*SIC*	*108*		*%*	*1*		
*Surrogate - Dibromofluoromethane **	*8260*	*1B0305*	*03-05-04*	*03-05-04*	*SIC*	*94*		*%*	*1*		

SEVERN TRENT STL

STL Savannah

Client : Michael Baker Corporation/Baker Enviro
Work Order ID : BASE LANDFILL
Laboratory ID : S4PRNS87*2
Sample ID : Lab Control Standard Result
Matrix : LI Sampled :
Percent Solids : Received:

LCS RESULTS SUMMARY REPORT

Parameter	Method	Batch	Spike Result	Expected Value	Units	Spike % Recovery	Accuracy Limit
Benzene	8260	1B0305	22	25	ug/l	88	69-128
Chlorobenzene	8260	1B0305	20	25	ug/l	80	72-126
1,1-Dichloroethene	8260	1B0305	20	25	ug/l	80	53-144
Toluene	8260	1B0305	23	25	ug/l	92	71-129
Trichloroethene	8260	1B0305	22	25	ug/l	88	70-123
Surrogate-TOL *	8260	1B0305	22	25	ug/l	88	74-122
Surrogate-BFB *	8260	1B0305	22	25	ug/l	88	70-119
Surrogate - Dibromofluoromethane *	8260	1B0305	20	25	ug/l	80	68-129

SEVERN TRENT STL

STL Savannah

Client : Michael Baker Corporation/Baker Enviro
Work Order ID : BASE LANDFILL
Laboratory ID : S4PRNS87*12
Sample ID : Method Blank
Matrix : LI
Percent Solids :

Sampled :
Received:

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
Acetone	8260	1B0308	03-08-04	03-08-04	SIC	25	U	ug/l	1	25	2.3
Acrylonitrile	8260	1B0308	03-08-04	03-08-04	SIC	20	U	ug/l	1	20	3.9
Benzene	8260	1B0308	03-08-04	03-08-04	SIC	1.0	U	ug/l	1	1.0	0.096
Bromochloromethane	8260	1B0308	03-08-04	03-08-04	SIC	1.0	U	ug/l	1	1.0	0.16
Bromodichloromethane	8260	1B0308	03-08-04	03-08-04	SIC	1.0	U	ug/l	1	1.0	0.18
Bromoform	8260	1B0308	03-08-04	03-08-04	SIC	1.0	U	ug/l	1	1.0	0.19
Carbon Disulfide	8260	1B0308	03-08-04	03-08-04	SIC	1.0	U	ug/l	1	1.0	0.72
Carbon tetrachloride	8260	1B0308	03-08-04	03-08-04	SIC	1.0	U	ug/l	1	1.0	0.15
Chlorobenzene	8260	1B0308	03-08-04	03-08-04	SIC	1.0	U	ug/l	1	1.0	0.10
Chloroethane	8260	1B0308	03-08-04	03-08-04	SIC	1.0	U	ug/l	1	1.0	0.86
Chloroform	8260	1B0308	03-08-04	03-08-04	SIC	1.0	U	ug/l	1	1.0	0.12
Dibromochloromethane	8260	1B0308	03-08-04	03-08-04	SIC	1.0	U	ug/l	1	1.0	0.078
1,2-Dibromo-3-chloropropane	8260	1B0308	03-08-04	03-08-04	SIC	1.0	U	ug/l	1	1.0	0.22
1,2-Dibromoethane (EDB)	8260	1B0308	03-08-04	03-08-04	SIC	1.0	U	ug/l	1	1.0	0.083
1,2-Dichlorobenzene	8260	1B0308	03-08-04	03-08-04	SIC	1.0	U	ug/l	1	1.0	0.21
1,4-Dichlorobenzene	8260	1B0308	03-08-04	03-08-04	SIC	1.0	U	ug/l	1	1.0	0.11
trans-1,4-Dichloro-2-butene	8260	1B0308	03-08-04	03-08-04	SIC	2.0	U	ug/l	1	2.0	0.77
1,1-Dichloroethane	8260	1B0308	03-08-04	03-08-04	SIC	1.0	U	ug/l	1	1.0	0.12
1,2-Dichloroethane	8260	1B0308	03-08-04	03-08-04	SIC	1.0	U	ug/l	1	1.0	0.18
1,1-Dichloroethene	8260	1B0308	03-08-04	03-08-04	SIC	1.0	U	ug/l	1	1.0	0.31
cis-1,2-Dichloroethene	8260	1B0308	03-08-04	03-08-04	SIC	1.0	U	ug/l	1	1.0	0.16
trans-1,2-Dichloroethene	8260	1B0308	03-08-04	03-08-04	SIC	1.0	U	ug/l	1	1.0	0.36
1,2-Dichloropropane	8260	1B0308	03-08-04	03-08-04	SIC	1.0	U	ug/l	1	1.0	0.17
cis-1,3-Dichloropropene	8260	1B0308	03-08-04	03-08-04	SIC	1.0	U	ug/l	1	1.0	0.12
trans-1,3-Dichloropropene	8260	1B0308	03-08-04	03-08-04	SIC	1.0	U	ug/l	1	1.0	0.15
Ethylbenzene	8260	1B0308	03-08-04	03-08-04	SIC	1.0	U	ug/l	1	1.0	0.11
2-Hexanone	8260	1B0308	03-08-04	03-08-04	SIC	10	U	ug/l	1	10	0.29
Bromomethane	8260	1B0308	03-08-04	03-08-04	SIC	1.0	U	ug/l	1	1.0	0.49
Chloromethane	8260	1B0308	03-08-04	03-08-04	SIC	1.0	U	ug/l	1	1.0	0.40
Dibromomethane	8260	1B0308	03-08-04	03-08-04	SIC	1.0	U	ug/l	1	1.0	0.21
Dichloromethane	8260	1B0308	03-08-04	03-08-04	SIC	5.0	U	ug/l	1	5.0	0.61
2-Butanone (MEK)	8260	1B0308	03-08-04	03-08-04	SIC	10	U	ug/l	1	10	0.48
Iodomethane	8260	1B0308	03-08-04	03-08-04	SIC	1.0	U	ug/l	1	1.0	0.085
4-Methyl-2-pentanone (MIBK)	8260	1B0308	03-08-04	03-08-04	SIC	10	U	ug/l	1	10	0.27
Styrene	8260	1B0308	03-08-04	03-08-04	SIC	1.0	U	ug/l	1	1.0	0.050
1,1,1,2-Tetrachloroethane	8260	1B0308	03-08-04	03-08-04	SIC	1.0	U	ug/l	1	1.0	0.20
1,1,2,2-Tetrachloroethane	8260	1B0308	03-08-04	03-08-04	SIC	1.0	U	ug/l	1	1.0	0.17
Tetrachloroethene	8260	1B0308	03-08-04	03-08-04	SIC	1.0	U	ug/l	1	1.0	0.43

SEVERN TRENT STL

STL Savannah

Client : Michael Baker Corporation/Baker Enviro
Work Order ID : BASE LANDFILL
Laboratory ID : S4PRNS87*12
Sample ID : Method Blank
Matrix : LI
Percent Solids :

Sampled :
Received:

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
Toluene	8260	1B0308	03-08-04	03-08-04	SIC	1.0	U	ug/l	1	1.0	0.065
1,1,1-Trichloroethane	8260	1B0308	03-08-04	03-08-04	SIC	1.0	U	ug/l	1	1.0	0.065
1,1,2-Trichloroethane	8260	1B0308	03-08-04	03-08-04	SIC	1.0	U	ug/l	1	1.0	0.11
Trichloroethene	8260	1B0308	03-08-04	03-08-04	SIC	1.0	U	ug/l	1	1.0	0.13
Trichlorofluoromethane	8260	1B0308	03-08-04	03-08-04	SIC	1.0	U	ug/l	1	1.0	0.27
1,2,3-Trichloropropane	8260	1B0308	03-08-04	03-08-04	SIC	1.0	U	ug/l	1	1.0	0.53
Vinyl acetate	8260	1B0308	03-08-04	03-08-04	SIC	2.0	U	ug/l	1	2.0	0.36
Vinyl chloride	8260	1B0308	03-08-04	03-08-04	SIC	1.0	U	ug/l	1	1.0	0.13
Xylenes, Total	8260	1B0308	03-08-04	03-08-04	SIC	2.0	U	ug/l	1	2.0	0.28
*Surrogate-TOL **	*8260*	*1B0308*	*03-08-04*	*03-08-04*	*SIC*	*98*		*%*	*1*		
*Surrogate-BFB **	*8260*	*1B0308*	*03-08-04*	*03-08-04*	*SIC*	*106*		*%*	*1*		
*Surrogate - Dibromofluoromethane **	*8260*	*1B0308*	*03-08-04*	*03-08-04*	*SIC*	*100*		*%*	*1*		

SEVERN TRENT STL

STL Savannah

Client : Michael Baker Corporation/Baker Enviro
Work Order ID : BASE LANDFILL
Laboratory ID : S4PRNS87*13
Sample ID : Lab Control Standard Result
Matrix : LI Sampled :
Percent Solids : Received:

LCS RESULTS SUMMARY REPORT

Parameter	Method	Batch	Spike Result	Expected Value	Units	Spike % Recovery	Accuracy Limit
Benzene	8260	1B0308	20	25	ug/l	80	69-128
Chlorobenzene	8260	1B0308	19	25	ug/l	76	72-126
1,1-Dichloroethene	8260	1B0308	19	25	ug/l	76	53-144
Toluene	8260	1B0308	20	25	ug/l	80	71-129
Trichloroethene	8260	1B0308	20	25	ug/l	80	70-123
Surrogate-TOL *	8260	1B0308	20	25	ug/l	80	74-122
Surrogate-BFB *	8260	1B0308	21	25	ug/l	84	70-119
Surrogate - Dibromofluoromethane *	8260	1B0308	19	25	ug/l	76	68-129

SEVERN TRENT STL

METALS RESULTS

SEVERN TRENT STL

STL Savannah

Client : Michael Baker Corporation/Baker Enviro
Work Order ID : SWMU 3 BASE LANDFILL/PRNS87
Laboratory ID : S441695*1
Sample ID : R7GW01R-09
Matrix : LI
Percent Solids :

Sampled : 03-01-2004
Received: 03-03-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
Antimony	6010	0310K	03-10-04	03-12-04	PM	0.020	U	mg/l	1	0.020	0.0037
Arsenic	6010	0310K	03-10-04	03-12-04	PM	0.010	U	mg/l	1	0.010	0.0050
Lead	6010	0310K	03-10-04	03-12-04	PM	0.0050	U	mg/l	1	0.0050	0.0025
Selenium	6010	0310K	03-10-04	03-12-04	PM	0.010	U	mg/l	1	0.010	0.0053
Barium	**6010**	**0310K**	**03-10-04**	**03-12-04**	**PM**	**0.063**		**mg/l**	**1**	**0.010**	**0.0010**
Beryllium	6010	0310K	03-10-04	03-12-04	PM	0.0040	U	mg/l	1	0.0040	0.00040
Cadmium	6010	0310K	03-10-04	03-12-04	PM	0.0050	U	mg/l	1	0.0050	0.00086
Chromium	**6010**	**0310K**	**03-10-04**	**03-12-04**	**PM**	**0.0011**	**B**	**mg/l**	**1**	**0.010**	**0.0011**
Cobalt	6010	0310K	03-10-04	03-12-04	PM	0.010	U	mg/l	1	0.010	0.0014
Copper	6010	0310K	03-10-04	03-12-04	PM	0.020	U	mg/l	1	0.020	0.0027
Nickel	6010	0310K	03-10-04	03-12-04	PM	0.040	U	mg/l	1	0.040	0.0022
Silver	6010	0310K	03-10-04	03-12-04	PM	0.010	UN	mg/l	1	0.010	0.0020
Vanadium	**6010**	**0310K**	**03-10-04**	**03-12-04**	**PM**	**0.0062**	**B**	**mg/l**	**1**	**0.010**	**0.00070**
Zinc	**6010**	**0310K**	**03-10-04**	**03-12-04**	**PM**	**0.0028**	**B**	**mg/l**	**1**	**0.020**	**0.0013**

SEVERN TRENT STL

STL Savannah

Client : Michael Baker Corporation/Baker Enviro
Work Order ID : SWMU 3 BASE LANDFILL/PRNS87
Laboratory ID : S441695*1
Sample ID : R7GW01R-09
Matrix : LI
Percent Solids :

Sampled : 03-01-2004
Received: 03-03-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
Thallium	6010	0312I	03-12-04	03-16-04	BR	0.010	U	mg/l	1	0.010	0.0057

SEVERN TRENT STL

STL Savannah

Client : Michael Baker Corporation/Baker Enviro
Work Order ID : SWMU 3 BASE LANDFILL/PRNS87
Laboratory ID : S441695*2
Sample ID : R7GW02R-09
Matrix : LI
Percent Solids :

Sampled : 03-02-2004
Received: 03-03-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
Antimony	6010	0310K	03-10-04	03-12-04	PM	0.020	U	mg/l	1	0.020	0.0037
Arsenic	6010	0310K	03-10-04	03-12-04	PM	0.010	U	mg/l	1	0.010	0.0050
Lead	6010	0310K	03-10-04	03-12-04	PM	0.0050	U	mg/l	1	0.0050	0.0025
Selenium	6010	0310K	03-10-04	03-12-04	PM	0.010	U	mg/l	1	0.010	0.0053
Barium	**6010**	**0310K**	**03-10-04**	**03-12-04**	**PM**	**0.069**		**mg/l**	**1**	**0.010**	**0.0010**
Beryllium	6010	0310K	03-10-04	03-12-04	PM	0.0040	U	mg/l	1	0.0040	0.00040
Cadmium	6010	0310K	03-10-04	03-12-04	PM	0.0050	U	mg/l	1	0.0050	0.00086
Chromium	**6010**	**0310K**	**03-10-04**	**03-12-04**	**PM**	**0.0011**	**B**	**mg/l**	**1**	**0.010**	**0.0011**
Cobalt	6010	0310K	03-10-04	03-12-04	PM	0.010	U	mg/l	1	0.010	0.0014
Copper	**6010**	**0310K**	**03-10-04**	**03-12-04**	**PM**	**0.0030**	**B**	**mg/l**	**1**	**0.020**	**0.0027**
Nickel	**6010**	**0310K**	**03-10-04**	**03-12-04**	**PM**	**0.0039**	**B**	**mg/l**	**1**	**0.040**	**0.0022**
Silver	6010	0310K	03-10-04	03-12-04	PM	0.010	UN	mg/l	1	0.010	0.0020
Vanadium	**6010**	**0310K**	**03-10-04**	**03-12-04**	**PM**	**0.012**		**mg/l**	**1**	**0.010**	**0.00070**
Zinc	**6010**	**0310K**	**03-10-04**	**03-12-04**	**PM**	**0.0035**	**B**	**mg/l**	**1**	**0.020**	**0.0013**

SEVERN TRENT STL

STL Savannah

Client : Michael Baker Corporation/Baker Enviro
Work Order ID : SWMU 3 BASE LANDFILL/PRNS87
Laboratory ID : S441695*2
Sample ID : R7GW02R-09
Matrix : LI
Percent Solids :

Sampled : 03-02-2004
Received: 03-03-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
Thallium	6010	0312I	03-12-04	03-16-04	BR	0.010	U	mg/l	1	0.010	0.0057

SEVERN TRENT STL

STL Savannah

Client : Michael Baker Corporation/Baker Enviro
Work Order ID : SWMU 3 BASE LANDFILL/PRNS87
Laboratory ID : S441695*3
Sample ID : R7GW02R-09D
Matrix : LI
Percent Solids :

Sampled : 03-02-2004
Received: 03-03-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
Antimony	6010	0310K	03-10-04	03-12-04	PM	0.020	U	mg/l	1	0.020	0.0037
Arsenic	6010	0310K	03-10-04	03-12-04	PM	0.010	U	mg/l	1	0.010	0.0050
Lead	6010	0310K	03-10-04	03-12-04	PM	0.0050	U	mg/l	1	0.0050	0.0025
Selenium	6010	0310K	03-10-04	03-12-04	PM	0.010	U	mg/l	1	0.010	0.0053
Barium	**6010**	**0310K**	**03-10-04**	**03-12-04**	**PM**	**0.070**		**mg/l**	**1**	**0.010**	**0.0010**
Beryllium	6010	0310K	03-10-04	03-12-04	PM	0.0040	U	mg/l	1	0.0040	0.00040
Cadmium	6010	0310K	03-10-04	03-12-04	PM	0.0050	U	mg/l	1	0.0050	0.00086
Chromium	**6010**	**0310K**	**03-10-04**	**03-12-04**	**PM**	**0.0011**	**B**	**mg/l**	**1**	**0.010**	**0.0011**
Cobalt	6010	0310K	03-10-04	03-12-04	PM	0.010	U	mg/l	1	0.010	0.0014
Copper	6010	0310K	03-10-04	03-12-04	PM	0.020	U	mg/l	1	0.020	0.0027
Nickel	**6010**	**0310K**	**03-10-04**	**03-12-04**	**PM**	**0.0040**	**B**	**mg/l**	**1**	**0.040**	**0.0022**
Silver	6010	0310K	03-10-04	03-12-04	PM	0.010	UN	mg/l	1	0.010	0.0020
Vanadium	**6010**	**0310K**	**03-10-04**	**03-12-04**	**PM**	**0.012**		**mg/l**	**1**	**0.010**	**0.00070**
Zinc	**6010**	**0310K**	**03-10-04**	**03-12-04**	**PM**	**0.0050**	**B**	**mg/l**	**1**	**0.020**	**0.0013**

SEVERN TRENT STL

STL Savannah

Client : Michael Baker Corporation/Baker Enviro
Work Order ID : SWMU 3 BASE LANDFILL/PRNS87
Laboratory ID : S441695*3
Sample ID : R7GW02R-09D
Matrix : LI
Percent Solids :

Sampled : 03-02-2004
Received: 03-03-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
Thallium	6010	0312I	03-12-04	03-16-04	BR	0.010	U	mg/l	1	0.010	0.0057

SEVERN TRENT STL

STL Savannah

Client : Michael Baker Corporation/Baker Enviro
Work Order ID : SWMU 3 BASE LANDFILL/PRNS87
Laboratory ID : S441695*4
Sample ID : R7GW04R-09
Matrix : LI
Percent Solids :

Sampled : 03-02-2004
Received: 03-03-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
Antimony	6010	0310K	03-10-04	03-12-04	PM	0.020	U	mg/l	1	0.020	0.0037
Arsenic	6010	0310K	03-10-04	03-12-04	PM	0.010	U	mg/l	1	0.010	0.0050
Lead	6010	0310K	03-10-04	03-12-04	PM	0.0050	U	mg/l	1	0.0050	0.0025
Selenium	6010	0310K	03-10-04	03-12-04	PM	0.010	U	mg/l	1	0.010	0.0053
Barium	**6010**	**0310K**	**03-10-04**	**03-12-04**	**PM**	**0.18**		**mg/l**	**1**	**0.010**	**0.0010**
Beryllium	6010	0310K	03-10-04	03-12-04	PM	0.0040	U	mg/l	1	0.0040	0.00040
Cadmium	**6010**	**0310K**	**03-10-04**	**03-12-04**	**PM**	**0.0012**	**B**	**mg/l**	**1**	**0.0050**	**0.00086**
Chromium	**6010**	**0310K**	**03-10-04**	**03-12-04**	**PM**	**0.027**		**mg/l**	**1**	**0.010**	**0.0011**
Cobalt	**6010**	**0310K**	**03-10-04**	**03-12-04**	**PM**	**0.019**		**mg/l**	**1**	**0.010**	**0.0014**
Copper	**6010**	**0310K**	**03-10-04**	**03-12-04**	**PM**	**0.013**	**B**	**mg/l**	**1**	**0.020**	**0.0027**
Nickel	**6010**	**0310K**	**03-10-04**	**03-12-04**	**PM**	**0.018**	**B**	**mg/l**	**1**	**0.040**	**0.0022**
Silver	6010	0310K	03-10-04	03-12-04	PM	0.010	UN	mg/l	1	0.010	0.0020
Vanadium	**6010**	**0310K**	**03-10-04**	**03-12-04**	**PM**	**0.0066**	**B**	**mg/l**	**1**	**0.010**	**0.00070**
Zinc	**6010**	**0310K**	**03-10-04**	**03-12-04**	**PM**	**0.029**		**mg/l**	**1**	**0.020**	**0.0013**

SEVERN TRENT STL

STL Savannah

Client : Michael Baker Corporation/Baker Enviro
Work Order ID : SWMU 3 BASE LANDFILL/PRNS87
Laboratory ID : S441695*4
Sample ID : R7GW04R-09
Matrix : LI
Percent Solids :

Sampled : 03-02-2004
Received: 03-03-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
Thallium	6010	0312I	03-12-04	03-16-04	BR	0.010	U	mg/l	1	0.010	0.0057

SEVERN TRENT STL

STL Savannah

Client : Michael Baker Corporation/Baker Enviro
Work Order ID : SWMU 3 BASE LANDFILL/PRNS87
Laboratory ID : S441695*5
Sample ID : R7GW05R-09
Matrix : LI
Percent Solids :

Sampled : 03-01-2004
Received: 03-03-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
Antimony	6010	0310K	03-10-04	03-12-04	PM	0.020	U	mg/l	1	0.020	0.0037
Arsenic	6010	0310K	03-10-04	03-12-04	PM	0.010	U	mg/l	1	0.010	0.0050
Lead	6010	0310K	03-10-04	03-12-04	PM	0.0050	U	mg/l	1	0.0050	0.0025
Selenium	6010	0310K	03-10-04	03-12-04	PM	0.010	U	mg/l	1	0.010	0.0053
Barium	**6010**	**0310K**	**03-10-04**	**03-12-04**	**PM**	**0.019**		**mg/l**	**1**	**0.010**	**0.0010**
Beryllium	6010	0310K	03-10-04	03-12-04	PM	0.0040	U	mg/l	1	0.0040	0.00040
Cadmium	6010	0310K	03-10-04	03-12-04	PM	0.0050	U	mg/l	1	0.0050	0.00086
Chromium	6010	0310K	03-10-04	03-12-04	PM	0.010	U	mg/l	1	0.010	0.0011
Cobalt	6010	0310K	03-10-04	03-12-04	PM	0.010	U	mg/l	1	0.010	0.0014
Copper	6010	0310K	03-10-04	03-12-04	PM	0.020	U	mg/l	1	0.020	0.0027
Nickel	6010	0310K	03-10-04	03-12-04	PM	0.040	U	mg/l	1	0.040	0.0022
Silver	6010	0310K	03-10-04	03-12-04	PM	0.010	UN	mg/l	1	0.010	0.0020
Vanadium	**6010**	**0310K**	**03-10-04**	**03-12-04**	**PM**	**0.0074**	**B**	**mg/l**	**1**	**0.010**	**0.00070**
Zinc	**6010**	**0310K**	**03-10-04**	**03-12-04**	**PM**	**0.0059**	**B**	**mg/l**	**1**	**0.020**	**0.0013**

SEVERN TRENT STL

STL Savannah

Client : Michael Baker Corporation/Baker Enviro
Work Order ID : SWMU 3 BASE LANDFILL/PRNS87
Laboratory ID : S441695*5
Sample ID : R7GW05R-09
Matrix : LI
Percent Solids :

Sampled : 03-01-2004
Received: 03-03-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
Thallium	6010	0312I	03-12-04	03-16-04	BR	0.010	U	mg/l	1	0.010	0.0057

SEVERN TRENT STL

STL Savannah

Client : Michael Baker Corporation/Baker Enviro
Work Order ID : SWMU 3 BASE LANDFILL/PRNS87
Laboratory ID : S441695*6
Sample ID : R7GW07R2-09
Matrix : LI
Percent Solids :

Sampled : 03-01-2004
Received: 03-03-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
Antimony	6010	0310K	03-10-04	03-12-04	PM	0.020	U	mg/l	1	0.020	0.0037
Arsenic	**6010**	**0310K**	**03-10-04**	**03-12-04**	**PM**	**0.0059**	**B**	**mg/l**	**1**	**0.010**	**0.0050**
Lead	6010	0310K	03-10-04	03-12-04	PM	0.0050	U	mg/l	1	0.0050	0.0025
Selenium	6010	0310K	03-10-04	03-12-04	PM	0.010	U	mg/l	1	0.010	0.0053
Barium	**6010**	**0310K**	**03-10-04**	**03-12-04**	**PM**	**0.14**		**mg/l**	**1**	**0.010**	**0.0010**
Beryllium	6010	0310K	03-10-04	03-12-04	PM	0.0040	U	mg/l	1	0.0040	0.00040
Cadmium	6010	0310K	03-10-04	03-12-04	PM	0.0050	U	mg/l	1	0.0050	0.00086
Chromium	6010	0310K	03-10-04	03-12-04	PM	0.010	U	mg/l	1	0.010	0.0011
Cobalt	**6010**	**0310K**	**03-10-04**	**03-12-04**	**PM**	**0.0036**	**B**	**mg/l**	**1**	**0.010**	**0.0014**
Copper	6010	0310K	03-10-04	03-12-04	PM	0.020	U	mg/l	1	0.020	0.0027
Nickel	**6010**	**0310K**	**03-10-04**	**03-12-04**	**PM**	**0.0051**	**B**	**mg/l**	**1**	**0.040**	**0.0022**
Silver	6010	0310K	03-10-04	03-12-04	PM	0.010	UN	mg/l	1	0.010	0.0020
Vanadium	**6010**	**0310K**	**03-10-04**	**03-12-04**	**PM**	**0.0029**	**B**	**mg/l**	**1**	**0.010**	**0.00070**
Zinc	**6010**	**0310K**	**03-10-04**	**03-12-04**	**PM**	**0.0030**	**B**	**mg/l**	**1**	**0.020**	**0.0013**

SEVERN TRENT STL

STL Savannah

Client : Michael Baker Corporation/Baker Enviro
Work Order ID : SWMU 3 BASE LANDFILL/PRNS87
Laboratory ID : S441695*6
Sample ID : R7GW07R2-09
Matrix : LI
Percent Solids :

Sampled : 03-01-2004
Received: 03-03-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
Thallium	6010	0312I	03-12-04	03-16-04	BR	0.010	U	mg/l	1	0.010	0.0057

SEVERN TRENT STL

STL Savannah

Client : Michael Baker Corporation/Baker Enviro
Work Order ID : SWMU 3 BASE LANDFILL/PRNS87
Laboratory ID : S441695*7
Sample ID : R7GW08R2-09
Matrix : LI
Percent Solids :

Sampled : 03-01-2004
Received: 03-03-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
Antimony	6010	0310K	03-10-04	03-12-04	PM	0.020	U	mg/l	1	0.020	0.0037
Arsenic	6010	0310K	03-10-04	03-12-04	PM	0.010	U	mg/l	1	0.010	0.0050
Lead	6010	0310K	03-10-04	03-12-04	PM	0.0050	U	mg/l	1	0.0050	0.0025
Selenium	6010	0310K	03-10-04	03-12-04	PM	0.010	U	mg/l	1	0.010	0.0053
Barium	**6010**	**0310K**	**03-10-04**	**03-12-04**	**PM**	**0.078**		**mg/l**	**1**	**0.010**	**0.0010**
Beryllium	6010	0310K	03-10-04	03-12-04	PM	0.0040	U	mg/l	1	0.0040	0.00040
Cadmium	6010	0310K	03-10-04	03-12-04	PM	0.0050	U	mg/l	1	0.0050	0.00086
Chromium	**6010**	**0310K**	**03-10-04**	**03-12-04**	**PM**	**0.026**		**mg/l**	**1**	**0.010**	**0.0011**
Cobalt	6010	0310K	03-10-04	03-12-04	PM	0.010	U	mg/l	1	0.010	0.0014
Copper	6010	0310K	03-10-04	03-12-04	PM	0.020	U	mg/l	1	0.020	0.0027
Nickel	**6010**	**0310K**	**03-10-04**	**03-12-04**	**PM**	**0.016**	**B**	**mg/l**	**1**	**0.040**	**0.0022**
Silver	6010	0310K	03-10-04	03-12-04	PM	0.010	UN	mg/l	1	0.010	0.0020
Vanadium	**6010**	**0310K**	**03-10-04**	**03-12-04**	**PM**	**0.010**		**mg/l**	**1**	**0.010**	**0.00070**
Zinc	**6010**	**0310K**	**03-10-04**	**03-12-04**	**PM**	**0.0032**	**B**	**mg/l**	**1**	**0.020**	**0.0013**

SEVERN TRENT STL

STL Savannah

Client : Michael Baker Corporation/Baker Enviro
Work Order ID : SWMU 3 BASE LANDFILL/PRNS87
Laboratory ID : S441695*7
Sample ID : R7GW08R2-09
Matrix : LI
Percent Solids :

Sampled : 03-01-2004
Received: 03-03-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
Thallium	6010	0312I	03-12-04	03-16-04	BR	0.010	U	mg/l	1	0.010	0.0057

SEVERN TRENT STL

STL Savannah

Client : Michael Baker Corporation/Baker Enviro
Work Order ID : SWMU 3 BASE LANDFILL/PRNS87
Laboratory ID : S441695*8
Sample ID : R7GW09-09
Matrix : LI
Percent Solids :

Sampled : 03-02-2004
Received: 03-03-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
Antimony	6010	0310K	03-10-04	03-12-04	PM	0.020	U	mg/l	1	0.020	0.0037
Arsenic	6010	0310K	03-10-04	03-12-04	PM	0.010	U	mg/l	1	0.010	0.0050
Lead	6010	0310K	03-10-04	03-12-04	PM	0.0050	U	mg/l	1	0.0050	0.0025
Selenium	6010	0310K	03-10-04	03-12-04	PM	0.010	U	mg/l	1	0.010	0.0053
Barium	**6010**	**0310K**	**03-10-04**	**03-12-04**	**PM**	**0.13**		**mg/l**	**1**	**0.010**	**0.0010**
Beryllium	6010	0310K	03-10-04	03-12-04	PM	0.0040	U	mg/l	1	0.0040	0.00040
Cadmium	6010	0310K	03-10-04	03-12-04	PM	0.0050	U	mg/l	1	0.0050	0.00086
Chromium	6010	0310K	03-10-04	03-12-04	PM	0.010	U	mg/l	1	0.010	0.0011
Cobalt	**6010**	**0310K**	**03-10-04**	**03-12-04**	**PM**	**0.0024**	**B**	**mg/l**	**1**	**0.010**	**0.0014**
Copper	**6010**	**0310K**	**03-10-04**	**03-12-04**	**PM**	**0.0027**	**B**	**mg/l**	**1**	**0.020**	**0.0027**
Nickel	**6010**	**0310K**	**03-10-04**	**03-12-04**	**PM**	**0.0024**	**B**	**mg/l**	**1**	**0.040**	**0.0022**
Silver	6010	0310K	03-10-04	03-12-04	PM	0.010	UN	mg/l	1	0.010	0.0020
Vanadium	6010	0310K	03-10-04	03-12-04	PM	0.050	U	mg/l	1	0.010	0.00070
Zinc	**6010**	**0310K**	**03-10-04**	**03-12-04**	**PM**	**0.0029**	**B**	**mg/l**	**1**	**0.020**	**0.0013**

SEVERN TRENT STL

STL Savannah

Client : Michael Baker Corporation/Baker Enviro
Work Order ID : SWMU 3 BASE LANDFILL/PRNS87
Laboratory ID : S441695*8
Sample ID : R7GW09-09
Matrix : LI
Percent Solids :

Sampled : 03-02-2004
Received: 03-03-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
Thallium	6010	0312I	03-12-04	03-16-04	BR	0.010	U	mg/l	1	0.010	0.0057

SEVERN TRENT STL

STL Savannah

Client : Michael Baker Corporation/Baker Enviro
Work Order ID : SWMU 3 BASE LANDFILL/PRNS87
Laboratory ID : S441695*9
Sample ID : R7GW10-09
Matrix : LI
Percent Solids :

Sampled : 03-01-2004
Received: 03-03-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
Antimony	6010	0310K	03-10-04	03-12-04	PM	0.020	U	mg/l	1	0.020	0.0037
Arsenic	6010	0310K	03-10-04	03-12-04	PM	0.010	U	mg/l	1	0.010	0.0050
Lead	6010	0310K	03-10-04	03-12-04	PM	0.0050	U	mg/l	1	0.0050	0.0025
Selenium	6010	0310K	03-10-04	03-12-04	PM	0.010	U	mg/l	1	0.010	0.0053
Barium	**6010**	**0310K**	**03-10-04**	**03-12-04**	**PM**	**0.044**		**mg/l**	**1**	**0.010**	**0.0010**
Beryllium	6010	0310K	03-10-04	03-12-04	PM	0.0040	U	mg/l	1	0.0040	0.00040
Cadmium	6010	0310K	03-10-04	03-12-04	PM	0.0050	U	mg/l	1	0.0050	0.00086
Chromium	**6010**	**0310K**	**03-10-04**	**03-12-04**	**PM**	**0.0016**	**B**	**mg/l**	**1**	**0.010**	**0.0011**
Cobalt	**6010**	**0310K**	**03-10-04**	**03-12-04**	**PM**	**0.0017**	**B**	**mg/l**	**1**	**0.010**	**0.0014**
Copper	6010	0310K	03-10-04	03-12-04	PM	0.020	U	mg/l	1	0.020	0.0027
Nickel	**6010**	**0310K**	**03-10-04**	**03-12-04**	**PM**	**0.0024**	**B**	**mg/l**	**1**	**0.040**	**0.0022**
Silver	6010	0310K	03-10-04	03-12-04	PM	0.010	UN	mg/l	1	0.010	0.0020
Vanadium	**6010**	**0310K**	**03-10-04**	**03-12-04**	**PM**	**0.0058**	**B**	**mg/l**	**1**	**0.010**	**0.00070**
Zinc	**6010**	**0310K**	**03-10-04**	**03-12-04**	**PM**	**0.0031**	**B**	**mg/l**	**1**	**0.020**	**0.0013**

SEVERN TRENT STL

STL Savannah

Client : Michael Baker Corporation/Baker Enviro
Work Order ID : SWMU 3 BASE LANDFILL/PRNS87
Laboratory ID : S441695*9
Sample ID : R7GW10-09
Matrix : LI
Percent Solids :

Sampled : 03-01-2004
Received: 03-03-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
Thallium	6010	0312I	03-12-04	03-16-04	BR	0.010	U	mg/l	1	0.010	0.0057

SEVERN TRENT STL

STL Savannah

Client : Michael Baker Corporation/Baker Enviro
Work Order ID : SWMU 3 BASE LANDFILL/PRNS87
Laboratory ID : S441695*10
Sample ID : R7GW11-09
Matrix : LI
Percent Solids :

Sampled : 03-01-2004
Received: 03-03-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
Antimony	6010	0310K	03-10-04	03-12-04	PM	0.020	U	mg/l	1	0.020	0.0037
Arsenic	6010	0310K	03-10-04	03-12-04	PM	0.010	U	mg/l	1	0.010	0.0050
Lead	6010	0310K	03-10-04	03-12-04	PM	0.0050	U	mg/l	1	0.0050	0.0025
Selenium	**6010**	**0310K**	**03-10-04**	**03-12-04**	**PM**	**0.0083**	**B**	**mg/l**	**1**	**0.010**	**0.0053**
Barium	**6010**	**0310K**	**03-10-04**	**03-12-04**	**PM**	**0.0056**	**B**	**mg/l**	**1**	**0.010**	**0.0010**
Beryllium	6010	0310K	03-10-04	03-12-04	PM	0.0040	U	mg/l	1	0.0040	0.00040
Cadmium	6010	0310K	03-10-04	03-12-04	PM	0.0050	U	mg/l	1	0.0050	0.00086
Chromium	6010	0310K	03-10-04	03-12-04	PM	0.010	U	mg/l	1	0.010	0.0011
Cobalt	6010	0310K	03-10-04	03-12-04	PM	0.010	U	mg/l	1	0.010	0.0014
Copper	6010	0310K	03-10-04	03-12-04	PM	0.020	U	mg/l	1	0.020	0.0027
Nickel	6010	0310K	03-10-04	03-12-04	PM	0.040	U	mg/l	1	0.040	0.0022
Silver	6010	0310K	03-10-04	03-12-04	PM	0.010	UN	mg/l	1	0.010	0.0020
Vanadium	**6010**	**0310K**	**03-10-04**	**03-12-04**	**PM**	**0.0030**	**B**	**mg/l**	**1**	**0.010**	**0.00070**
Zinc	**6010**	**0310K**	**03-10-04**	**03-12-04**	**PM**	**0.0028**	**B**	**mg/l**	**1**	**0.020**	**0.0013**

STL Savannah

Client : Michael Baker Corporation/Baker Enviro
Work Order ID : SWMU 3 BASE LANDFILL/PRNS87
Laboratory ID : S441695*10
Sample ID : R7GW11-09
Matrix : LI
Percent Solids :

Sampled : 03-01-2004
Received: 03-03-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
Thallium	6010	0312I	03-12-04	03-16-04	BR	0.010	U	mg/l	1	0.010	0.0057

SEVERN TRENT STL

STL Savannah

Client : Michael Baker Corporation/Baker Enviro
Work Order ID : SWMU 3 BASE LANDFILL/PRNS87
Laboratory ID : S441695*11
Sample ID : R7ER01-09
Matrix : LI
Percent Solids :

Sampled : 03-02-2004
Received: 03-03-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
Antimony	6010	0310K	03-10-04	03-12-04	PM	0.020	U	mg/l	1	0.020	0.0037
Arsenic	6010	0310K	03-10-04	03-12-04	PM	0.010	U	mg/l	1	0.010	0.0050
Lead	6010	0310K	03-10-04	03-12-04	PM	0.0050	U	mg/l	1	0.0050	0.0025
Selenium	6010	0310K	03-10-04	03-12-04	PM	0.010	U	mg/l	1	0.010	0.0053
Barium	**6010**	**0310K**	**03-10-04**	**03-12-04**	**PM**	**0.0014**	**B**	**mg/l**	**1**	**0.010**	**0.0010**
Beryllium	6010	0310K	03-10-04	03-12-04	PM	0.0040	U	mg/l	1	0.0040	0.00040
Cadmium	6010	0310K	03-10-04	03-12-04	PM	0.0050	U	mg/l	1	0.0050	0.00086
Chromium	6010	0310K	03-10-04	03-12-04	PM	0.010	U	mg/l	1	0.010	0.0011
Cobalt	6010	0310K	03-10-04	03-12-04	PM	0.010	U	mg/l	1	0.010	0.0014
Copper	6010	0310K	03-10-04	03-12-04	PM	0.020	U	mg/l	1	0.020	0.0027
Nickel	6010	0310K	03-10-04	03-12-04	PM	0.040	U	mg/l	1	0.040	0.0022
Silver	6010	0310K	03-10-04	03-12-04	PM	0.010	UN	mg/l	1	0.010	0.0020
Vanadium	6010	0310K	03-10-04	03-12-04	PM	0.010	U	mg/l	1	0.010	0.00070
Zinc	**6010**	**0310K**	**03-10-04**	**03-12-04**	**PM**	**0.0022**	**B**	**mg/l**	**1**	**0.020**	**0.0013**

STL Savannah

Client : Michael Baker Corporation/Baker Enviro
Work Order ID : SWMU 3 BASE LANDFILL/PRNS87
Laboratory ID : S441695*11
Sample ID : R7ER01-09
Matrix : LI
Percent Solids :

Sampled : 03-02-2004
Received: 03-03-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
Thallium	6010	0312I	03-12-04	03-16-04	BR	0.010	U	mg/l	1	0.010	0.0057

SEVERN TRENT STL

STL Savannah

Client : Michael Baker Corporation/Baker Enviro
Work Order ID : SWMU 3 BASE LANDFILL/PRNS87
Laboratory ID : S441695*12
Sample ID : R7FB01-09
Matrix : LI
Percent Solids :

Sampled : 03-02-2004
Received: 03-03-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
Antimony	6010	0310K	03-10-04	03-12-04	PM	0.020	U	mg/l	1	0.020	0.0037
Arsenic	6010	0310K	03-10-04	03-12-04	PM	0.010	U	mg/l	1	0.010	0.0050
Lead	6010	0310K	03-10-04	03-12-04	PM	0.0050	U	mg/l	1	0.0050	0.0025
Selenium	6010	0310K	03-10-04	03-12-04	PM	0.010	U	mg/l	1	0.010	0.0053
Barium	**6010**	**0310K**	**03-10-04**	**03-12-04**	**PM**	**0.0014**	**B**	**mg/l**	**1**	**0.010**	**0.0010**
Beryllium	6010	0310K	03-10-04	03-12-04	PM	0.0040	U	mg/l	1	0.0040	0.00040
Cadmium	6010	0310K	03-10-04	03-12-04	PM	0.0050	U	mg/l	1	0.0050	0.00086
Chromium	6010	0310K	03-10-04	03-12-04	PM	0.010	U	mg/l	1	0.010	0.0011
Cobalt	6010	0310K	03-10-04	03-12-04	PM	0.010	U	mg/l	1	0.010	0.0014
Copper	6010	0310K	03-10-04	03-12-04	PM	0.020	U	mg/l	1	0.020	0.0027
Nickel	6010	0310K	03-10-04	03-12-04	PM	0.040	U	mg/l	1	0.040	0.0022
Silver	6010	0310K	03-10-04	03-12-04	PM	0.010	UN	mg/l	1	0.010	0.0020
Vanadium	6010	0310K	03-10-04	03-12-04	PM	0.010	U	mg/l	1	0.010	0.00070
Zinc	**6010**	**0310K**	**03-10-04**	**03-12-04**	**PM**	**0.0054**	**B**	**mg/l**	**1**	**0.020**	**0.0013**

SEVERN TRENT STL

STL Savannah

Client : Michael Baker Corporation/Baker Enviro
Work Order ID : SWMU 3 BASE LANDFILL/PRNS87
Laboratory ID : S441695*12
Sample ID : R7FB01-09
Matrix : LI
Percent Solids :

Sampled : 03-02-2004
Received: 03-03-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
Thallium	6010	0312I	03-12-04	03-16-04	BR	0.010	U	mg/l	1	0.010	0.0057

SEVERN TRENT STL

STL Savannah

Client : Michael Baker Corporation/Baker Enviro
Work Order ID : SWMU 3 BASE LANDFILL/PRNS87
Laboratory ID : S441695*1
Sample ID : R7GW01R-09
Matrix : LI
Percent Solids :

Sampled : 03-01-2004
Received: 03-03-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
Antimony (Dissolved)	6010	0312I	03-12-04	03-16-04	BR	0.020	U	mg/l	1	0.020	0.0037
Arsenic, (Dissolved)	6010	0312I	03-12-04	03-16-04	BR	0.010	U	mg/l	1	0.010	0.0050
Lead, (Dissolved)	6010	0312I	03-12-04	03-16-04	BR	0.0050	U	mg/l	1	0.0050	0.0025
Selenium (Dissolved)	6010	0312I	03-12-04	03-16-04	BR	0.010	UN	mg/l	1	0.010	0.0053
Barium, (Dissolved)	**6010**	**0312I**	**03-12-04**	**03-16-04**	**BR**	**0.058**		**mg/l**	**1**	**0.010**	**0.0010**
Beryllium (Dissolved)	6010	0312I	03-12-04	03-16-04	BR	0.0040	U	mg/l	1	0.0040	0.00040
Cadmium (Dissolved)	6010	0312I	03-12-04	03-16-04	BR	0.0050	U	mg/l	1	0.0050	0.00086
Chromium, (Dissolved)	6010	0312I	03-12-04	03-16-04	BR	0.010	U	mg/l	1	0.010	0.0011
Cobalt (Dissolved)	6010	0312I	03-12-04	03-16-04	BR	0.010	U	mg/l	1	0.010	0.0014
Copper, Dissolved	6010	0312I	03-12-04	03-16-04	BR	0.020	UN	mg/l	1	0.020	0.0027
Nickel, (Dissolved)	6010	0312I	03-12-04	03-16-04	BR	0.040	U	mg/l	1	0.040	0.0022
Silver (Dissolved)	6010	0312I	03-12-04	03-16-04	BR	0.010	UN	mg/l	1	0.010	0.0020
Vanadium (Dissolved)	**6010**	**0312I**	**03-12-04**	**03-16-04**	**BR**	**0.0036**	**B**	**mg/l**	**1**	**0.010**	**0.00070**
Zinc, (Dissolved)	**6010**	**0312I**	**03-12-04**	**03-16-04**	**BR**	**0.0039**	**B**	**mg/l**	**1**	**0.020**	**0.0013**

SEVERN TRENT STL

STL Savannah

Client : Michael Baker Corporation/Baker Enviro
Work Order ID : SWMU 3 BASE LANDFILL/PRNS87
Laboratory ID : S441695*1
Sample ID : R7GW01R-09
Matrix : LI
Percent Solids :

Sampled : 03-01-2004
Received: 03-03-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
Thallium	6010	0310K	03-10-04	03-12-04	PM	0.010	U	mg/l	1	0.010	0.0057

SEVERN TRENT STL

STL Savannah

Client : Michael Baker Corporation/Baker Enviro
Work Order ID : SWMU 3 BASE LANDFILL/PRNS87
Laboratory ID : S441695*2
Sample ID : R7GW02R-09
Matrix : LI
Percent Solids :

Sampled : 03-02-2004
Received: 03-03-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
Antimony (Dissolved)	6010	0312I	03-12-04	03-16-04	BR	0.020	U	mg/l	1	0.020	0.0037
Arsenic, (Dissolved)	6010	0312I	03-12-04	03-16-04	BR	0.010	U	mg/l	1	0.010	0.0050
Lead, (Dissolved)	6010	0312I	03-12-04	03-16-04	BR	0.0050	U	mg/l	1	0.0050	0.0025
Selenium (Dissolved)	6010	0312I	03-12-04	03-16-04	BR	0.010	UN	mg/l	1	0.010	0.0053
Barium, (Dissolved)	**6010**	**0312I**	**03-12-04**	**03-16-04**	**BR**	**0.069**		**mg/l**	**1**	**0.010**	**0.0010**
Beryllium (Dissolved)	6010	0312I	03-12-04	03-16-04	BR	0.0040	U	mg/l	1	0.0040	0.00040
Cadmium (Dissolved)	6010	0312I	03-12-04	03-16-04	BR	0.0050	U	mg/l	1	0.0050	0.00086
Chromium, (Dissolved)	6010	0312I	03-12-04	03-16-04	BR	0.010	U	mg/l	1	0.010	0.0011
Cobalt (Dissolved)	6010	0312I	03-12-04	03-16-04	BR	0.010	U	mg/l	1	0.010	0.0014
Copper, Dissolved	6010	0312I	03-12-04	03-16-04	BR	0.020	UN	mg/l	1	0.020	0.0027
Nickel, (Dissolved)	**6010**	**0312I**	**03-12-04**	**03-16-04**	**BR**	**0.0036**	**B**	**mg/l**	**1**	**0.040**	**0.0022**
Silver (Dissolved)	6010	0312I	03-12-04	03-16-04	BR	0.010	UN	mg/l	1	0.010	0.0020
Vanadium (Dissolved)	6010	0312I	03-12-04	03-16-04	BR	0.010	U	mg/l	1	0.010	0.00070
Zinc, (Dissolved)	**6010**	**0312I**	**03-12-04**	**03-16-04**	**BR**	**0.0058**	**B**	**mg/l**	**1**	**0.020**	**0.0013**

SEVERN TRENT STL

STL Savannah

Client : Michael Baker Corporation/Baker Enviro
Work Order ID : SWMU 3 BASE LANDFILL/PRNS87
Laboratory ID : S441695*2
Sample ID : R7GW02R-09
Matrix : LI
Percent Solids :

Sampled : 03-02-2004
Received: 03-03-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
Thallium	6010	0310K	03-10-04	03-12-04	PM	0.010	U	mg/l	1	0.010	0.0057

SEVERN TRENT STL

STL Savannah

Client : Michael Baker Corporation/Baker Enviro
Work Order ID : SWMU 3 BASE LANDFILL/PRNS87
Laboratory ID : S441695*3
Sample ID : R7GW02R-09D
Matrix : LI
Percent Solids :

Sampled : 03-02-2004
Received: 03-03-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
Antimony (Dissolved)	6010	0312I	03-12-04	03-16-04	BR	0.020	U	mg/l	1	0.020	0.0037
Arsenic, (Dissolved)	6010	0312I	03-12-04	03-16-04	BR	0.010	U	mg/l	1	0.010	0.0050
Lead, (Dissolved)	6010	0312I	03-12-04	03-16-04	BR	0.0050	U	mg/l	1	0.0050	0.0025
Selenium (Dissolved)	6010	0312I	03-12-04	03-16-04	BR	0.010	UN	mg/l	1	0.010	0.0053
Barium, (Dissolved)	**6010**	**0312I**	**03-12-04**	**03-16-04**	**BR**	**0.068**		**mg/l**	**1**	**0.010**	**0.0010**
Beryllium (Dissolved)	6010	0312I	03-12-04	03-16-04	BR	0.0040	U	mg/l	1	0.0040	0.00040
Cadmium (Dissolved)	6010	0312I	03-12-04	03-16-04	BR	0.0050	U	mg/l	1	0.0050	0.00086
Chromium, (Dissolved)	6010	0312I	03-12-04	03-16-04	BR	0.010	U	mg/l	1	0.010	0.0011
Cobalt (Dissolved)	6010	0312I	03-12-04	03-16-04	BR	0.010	U	mg/l	1	0.010	0.0014
Copper, Dissolved	6010	0312I	03-12-04	03-16-04	BR	0.020	UN	mg/l	1	0.020	0.0027
Nickel, (Dissolved)	**6010**	**0312I**	**03-12-04**	**03-16-04**	**BR**	**0.0029**	**B**	**mg/l**	**1**	**0.040**	**0.0022**
Silver (Dissolved)	6010	0312I	03-12-04	03-16-04	BR	0.010	UN	mg/l	1	0.010	0.0020
Vanadium (Dissolved)	6010	0312I	03-12-04	03-16-04	BR	0.010	U	mg/l	1	0.010	0.00070
Zinc, (Dissolved)	**6010**	**0312I**	**03-12-04**	**03-16-04**	**BR**	**0.0081**	**B**	**mg/l**	**1**	**0.020**	**0.0013**

SEVERN TRENT STL

STL Savannah

Client : Michael Baker Corporation/Baker Enviro
Work Order ID : SWMU 3 BASE LANDFILL/PRNS87
Laboratory ID : S441695*3
Sample ID : R7GW02R-09D
Matrix : LI
Percent Solids :

Sampled : 03-02-2004
Received: 03-03-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
Thallium	6010	0310K	03-10-04	03-12-04	PM	0.010	U	mg/l	1	0.010	0.0057

SEVERN TRENT STL

STL Savannah

Client : Michael Baker Corporation/Baker Enviro
Work Order ID : SWMU 3 BASE LANDFILL/PRNS87
Laboratory ID : S441695*4
Sample ID : R7GW04R-09
Matrix : LI
Percent Solids :

Sampled : 03-02-2004
Received: 03-03-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
Antimony (Dissolved)	6010	0312I	03-12-04	03-16-04	BR	0.020	U	mg/l	1	0.020	0.0037
Arsenic, (Dissolved)	6010	0312I	03-12-04	03-16-04	BR	0.010	U	mg/l	1	0.010	0.0050
Lead, (Dissolved)	6010	0312I	03-12-04	03-16-04	BR	0.0050	U	mg/l	1	0.0050	0.0025
Selenium (Dissolved)	6010	0312I	03-12-04	03-16-04	BR	0.010	UN	mg/l	1	0.010	0.0053
Barium, (Dissolved)	**6010**	**0312I**	**03-12-04**	**03-16-04**	**BR**	**0.19**		**mg/l**	**1**	**0.010**	**0.0010**
Beryllium (Dissolved)	6010	0312I	03-12-04	03-16-04	BR	0.0040	U	mg/l	1	0.0040	0.00040
Cadmium (Dissolved)	6010	0312I	03-12-04	03-16-04	BR	0.0050	U	mg/l	1	0.0050	0.00086
Chromium, (Dissolved)	6010	0312I	03-12-04	03-16-04	BR	0.010	U	mg/l	1	0.010	0.0011
Cobalt (Dissolved)	**6010**	**0312I**	**03-12-04**	**03-16-04**	**BR**	**0.022**		**mg/l**	**1**	**0.010**	**0.0014**
Copper, Dissolved	**6010**	**0312I**	**03-12-04**	**03-16-04**	**BR**	**0.0067**	**BN**	**mg/l**	**1**	**0.020**	**0.0027**
Nickel, (Dissolved)	**6010**	**0312I**	**03-12-04**	**03-16-04**	**BR**	**0.030**	**B**	**mg/l**	**1**	**0.040**	**0.0022**
Silver (Dissolved)	6010	0312I	03-12-04	03-16-04	BR	0.010	UN	mg/l	1	0.010	0.0020
Vanadium (Dissolved)	6010	0312I	03-12-04	03-16-04	BR	0.10	U	mg/l	1	0.010	0.00070
Zinc, (Dissolved)	**6010**	**0312I**	**03-12-04**	**03-16-04**	**BR**	**0.025**		**mg/l**	**1**	**0.020**	**0.0013**

STL Savannah

Client : Michael Baker Corporation/Baker Enviro
Work Order ID : SWMU 3 BASE LANDFILL/PRNS87
Laboratory ID : S441695*4
Sample ID : R7GW04R-09
Matrix : LI
Percent Solids :

Sampled : 03-02-2004
Received: 03-03-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
Thallium	6010	0310K	03-10-04	03-12-04	PM	0.010	U	mg/l	1	0.010	0.0057

SEVERN TRENT STL

STL Savannah

Client : Michael Baker Corporation/Baker Enviro
Work Order ID : SWMU 3 BASE LANDFILL/PRNS87
Laboratory ID : S441695*5
Sample ID : R7GW05R-09
Matrix : LI
Percent Solids :

Sampled : 03-01-2004
Received: 03-03-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
Antimony (Dissolved)	6010	0312I	03-12-04	03-16-04	BR	0.020	U	mg/l	1	0.020	0.0037
Arsenic, (Dissolved)	**6010**	**0312I**	**03-12-04**	**03-16-04**	**BR**	**0.0068**	**B**	**mg/l**	**1**	**0.010**	**0.0050**
Lead, (Dissolved)	6010	0312I	03-12-04	03-16-04	BR	0.0050	U	mg/l	1	0.0050	0.0025
Selenium (Dissolved)	6010	0312I	03-12-04	03-16-04	BR	0.010	UN	mg/l	1	0.010	0.0053
Barium, (Dissolved)	**6010**	**0312I**	**03-12-04**	**03-16-04**	**BR**	**0.018**		**mg/l**	**1**	**0.010**	**0.0010**
Beryllium (Dissolved)	6010	0312I	03-12-04	03-16-04	BR	0.0040	U	mg/l	1	0.0040	0.00040
Cadmium (Dissolved)	6010	0312I	03-12-04	03-16-04	BR	0.0050	U	mg/l	1	0.0050	0.00086
Chromium, (Dissolved)	6010	0312I	03-12-04	03-16-04	BR	0.010	U	mg/l	1	0.010	0.0011
Cobalt (Dissolved)	6010	0312I	03-12-04	03-16-04	BR	0.010	U	mg/l	1	0.010	0.0014
Copper, Dissolved	6010	0312I	03-12-04	03-16-04	BR	0.020	UN	mg/l	1	0.020	0.0027
Nickel, (Dissolved)	6010	0312I	03-12-04	03-16-04	BR	0.040	U	mg/l	1	0.040	0.0022
Silver (Dissolved)	6010	0312I	03-12-04	03-16-04	BR	0.010	UN	mg/l	1	0.010	0.0020
Vanadium (Dissolved)	6010	0312I	03-12-04	03-16-04	BR	0.010	U	mg/l	1	0.010	0.00070
Zinc, (Dissolved)	**6010**	**0312I**	**03-12-04**	**03-16-04**	**BR**	**0.0072**	**B**	**mg/l**	**1**	**0.020**	**0.0013**

SEVERN TRENT STL

STL Savannah

Client : Michael Baker Corporation/Baker Enviro
Work Order ID : SWMU 3 BASE LANDFILL/PRNS87
Laboratory ID : S441695*5
Sample ID : R7GW05R-09
Matrix : LI
Percent Solids :

Sampled : 03-01-2004
Received: 03-03-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
Thallium	6010	0310K	03-10-04	03-12-04	PM	0.010	U	mg/l	1	0.010	0.0057

SEVERN TRENT STL

STL Savannah

Client : Michael Baker Corporation/Baker Enviro
Work Order ID : SWMU 3 BASE LANDFILL/PRNS87
Laboratory ID : S441695*6
Sample ID : R7GW07R2-09
Matrix : LI
Percent Solids :

Sampled : 03-01-2004
Received: 03-03-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
Antimony (Dissolved)	6010	0312I	03-12-04	03-16-04	BR	0.020	U	mg/l	1	0.020	0.0037
Arsenic, (Dissolved)	6010	0312I	03-12-04	03-16-04	BR	0.010	U	mg/l	1	0.010	0.0050
Lead, (Dissolved)	6010	0312I	03-12-04	03-16-04	BR	0.0050	U	mg/l	1	0.0050	0.0025
Selenium (Dissolved)	6010	0312I	03-12-04	03-16-04	BR	0.010	UN	mg/l	1	0.010	0.0053
Barium, (Dissolved)	**6010**	**0312I**	**03-12-04**	**03-16-04**	**BR**	**0.15**		**mg/l**	**1**	**0.010**	**0.0010**
Beryllium (Dissolved)	6010	0312I	03-12-04	03-16-04	BR	0.0040	U	mg/l	1	0.0040	0.00040
Cadmium (Dissolved)	6010	0312I	03-12-04	03-16-04	BR	0.0050	U	mg/l	1	0.0050	0.00086
Chromium, (Dissolved)	6010	0312I	03-12-04	03-16-04	BR	0.010	U	mg/l	1	0.010	0.0011
Cobalt (Dissolved)	**6010**	**0312I**	**03-12-04**	**03-16-04**	**BR**	**0.0029**	**B**	**mg/l**	**1**	**0.010**	**0.0014**
Copper, Dissolved	6010	0312I	03-12-04	03-16-04	BR	0.020	UN	mg/l	1	0.020	0.0027
Nickel, (Dissolved)	**6010**	**0312I**	**03-12-04**	**03-16-04**	**BR**	**0.0044**	**B**	**mg/l**	**1**	**0.040**	**0.0022**
Silver (Dissolved)	6010	0312I	03-12-04	03-16-04	BR	0.010	UN	mg/l	1	0.010	0.0020
Vanadium (Dissolved)	6010	0312I	03-12-04	03-16-04	BR	0.010	U	mg/l	1	0.010	0.00070
Zinc, (Dissolved)	**6010**	**0312I**	**03-12-04**	**03-16-04**	**BR**	**0.0062**	**B**	**mg/l**	**1**	**0.020**	**0.0013**

SEVERN TRENT STL

STL Savannah

Client : Michael Baker Corporation/Baker Enviro
Work Order ID : SWMU 3 BASE LANDFILL/PRNS87
Laboratory ID : S441695*6
Sample ID : R7GW07R2-09
Matrix : LI
Percent Solids :

Sampled : 03-01-2004
Received: 03-03-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
Thallium	6010	0310K	03-10-04	03-12-04	PM	0.010	U	mg/l	1	0.010	0.0057

SEVERN TRENT STL

STL Savannah

Client : Michael Baker Corporation/Baker Enviro
Work Order ID : SWMU 3 BASE LANDFILL/PRNS87
Laboratory ID : S441695*7
Sample ID : R7GW08R2-09
Matrix : LI
Percent Solids :

Sampled : 03-01-2004
Received: 03-03-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
Antimony (Dissolved)	6010	0312I	03-12-04	03-16-04	BR	0.020	U	mg/l	1	0.020	0.0037
Arsenic, (Dissolved)	6010	0312I	03-12-04	03-16-04	BR	0.010	U	mg/l	1	0.010	0.0050
Lead, (Dissolved)	6010	0312I	03-12-04	03-16-04	BR	0.0050	U	mg/l	1	0.0050	0.0025
Selenium (Dissolved)	6010	0312I	03-12-04	03-16-04	BR	0.010	UN	mg/l	1	0.010	0.0053
Barium, (Dissolved)	**6010**	**0312I**	**03-12-04**	**03-16-04**	**BR**	**0.075**		**mg/l**	**1**	**0.010**	**0.0010**
Beryllium (Dissolved)	6010	0312I	03-12-04	03-16-04	BR	0.0040	U	mg/l	1	0.0040	0.00040
Cadmium (Dissolved)	6010	0312I	03-12-04	03-16-04	BR	0.0050	U	mg/l	1	0.0050	0.00086
Chromium, (Dissolved)	6010	0312I	03-12-04	03-16-04	BR	0.010	U	mg/l	1	0.010	0.0011
Cobalt (Dissolved)	6010	0312I	03-12-04	03-16-04	BR	0.010	U	mg/l	1	0.010	0.0014
Copper, Dissolved	6010	0312I	03-12-04	03-16-04	BR	0.020	UN	mg/l	1	0.020	0.0027
Nickel, (Dissolved)	**6010**	**0312I**	**03-12-04**	**03-16-04**	**BR**	**0.012**	**B**	**mg/l**	**1**	**0.040**	**0.0022**
Silver (Dissolved)	6010	0312I	03-12-04	03-16-04	BR	0.010	UN	mg/l	1	0.010	0.0020
Vanadium (Dissolved)	6010	0312I	03-12-04	03-16-04	BR	0.010	U	mg/l	1	0.010	0.00070
Zinc, (Dissolved)	**6010**	**0312I**	**03-12-04**	**03-16-04**	**BR**	**0.0073**	**B**	**mg/l**	**1**	**0.020**	**0.0013**

SEVERN TRENT STL

STL Savannah

Client : Michael Baker Corporation/Baker Enviro
Work Order ID : SWMU 3 BASE LANDFILL/PRNS87
Laboratory ID : S441695*7
Sample ID : R7GW08R2-09
Matrix : LI
Percent Solids :

Sampled : 03-01-2004
Received: 03-03-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
Thallium	6010	0310K	03-10-04	03-12-04	PM	0.010	U	mg/l	1	0.010	0.0057

SEVERN TRENT STL

STL Savannah

Client : Michael Baker Corporation/Baker Enviro
Work Order ID : SWMU 3 BASE LANDFILL/PRNS87
Laboratory ID : S441695*8
Sample ID : R7GW09-09
Matrix : LI
Percent Solids :

Sampled : 03-02-2004
Received: 03-03-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
Antimony (Dissolved)	6010	0312I	03-12-04	03-16-04	BR	0.020	U	mg/l	1	0.020	0.0037
Arsenic, (Dissolved)	6010	0312I	03-12-04	03-16-04	BR	0.010	U	mg/l	1	0.010	0.0050
Lead, (Dissolved)	6010	0312I	03-12-04	03-16-04	BR	0.0050	U	mg/l	1	0.0050	0.0025
Selenium (Dissolved)	6010	0312I	03-12-04	03-16-04	BR	0.010	UN	mg/l	1	0.010	0.0053
Barium, (Dissolved)	**6010**	**0312I**	**03-12-04**	**03-16-04**	**BR**	**0.13**		**mg/l**	**1**	**0.010**	**0.0010**
Beryllium (Dissolved)	6010	0312I	03-12-04	03-16-04	BR	0.0040	U	mg/l	1	0.0040	0.00040
Cadmium (Dissolved)	6010	0312I	03-12-04	03-16-04	BR	0.0050	U	mg/l	1	0.0050	0.00086
Chromium, (Dissolved)	6010	0312I	03-12-04	03-16-04	BR	0.010	U	mg/l	1	0.010	0.0011
Cobalt (Dissolved)	**6010**	**0312I**	**03-12-04**	**03-16-04**	**BR**	**0.0014**	**B**	**mg/l**	**1**	**0.010**	**0.0014**
Copper, Dissolved	6010	0312I	03-12-04	03-16-04	BR	0.020	UN	mg/l	1	0.020	0.0027
Nickel, (Dissolved)	6010	0312I	03-12-04	03-16-04	BR	0.040	U	mg/l	1	0.040	0.0022
Silver (Dissolved)	6010	0312I	03-12-04	03-16-04	BR	0.010	UN	mg/l	1	0.010	0.0020
Vanadium (Dissolved)	6010	0312I	03-12-04	03-16-04	BR	0.050	U	mg/l	1	0.010	0.00070
Zinc, (Dissolved)	**6010**	**0312I**	**03-12-04**	**03-16-04**	**BR**	**0.0058**	**B**	**mg/l**	**1**	**0.020**	**0.0013**

STL Savannah

Client : Michael Baker Corporation/Baker Enviro
Work Order ID : SWMU 3 BASE LANDFILL/PRNS87
Laboratory ID : S441695*8
Sample ID : R7GW09-09
Matrix : LI
Percent Solids :

Sampled : 03-02-2004
Received: 03-03-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
Thallium	6010	0310K	03-10-04	03-12-04	PM	0.010	U	mg/l	1	0.010	0.0057

SEVERN TRENT STL

STL Savannah

Client : Michael Baker Corporation/Baker Enviro
Work Order ID : SWMU 3 BASE LANDFILL/PRNS87
Laboratory ID : S441695*9
Sample ID : R7GW10-09
Matrix : LI
Percent Solids :

Sampled : 03-01-2004
Received: 03-03-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
Antimony (Dissolved)	6010	0312I	03-12-04	03-16-04	BR	0.020	U	mg/l	1	0.020	0.0037
Arsenic, (Dissolved)	6010	0312I	03-12-04	03-16-04	BR	0.010	U	mg/l	1	0.010	0.0050
Lead, (Dissolved)	6010	0312I	03-12-04	03-16-04	BR	0.0050	U	mg/l	1	0.0050	0.0025
Selenium (Dissolved)	6010	0312I	03-12-04	03-16-04	BR	0.010	UN	mg/l	1	0.010	0.0053
Barium, (Dissolved)	**6010**	**0312I**	**03-12-04**	**03-16-04**	**BR**	**0.042**		**mg/l**	**1**	**0.010**	**0.0010**
Beryllium (Dissolved)	6010	0312I	03-12-04	03-16-04	BR	0.0040	U	mg/l	1	0.0040	0.00040
Cadmium (Dissolved)	6010	0312I	03-12-04	03-16-04	BR	0.0050	U	mg/l	1	0.0050	0.00086
Chromium, (Dissolved)	6010	0312I	03-12-04	03-16-04	BR	0.010	U	mg/l	1	0.010	0.0011
Cobalt (Dissolved)	**6010**	**0312I**	**03-12-04**	**03-16-04**	**BR**	**0.0017**	**B**	**mg/l**	**1**	**0.010**	**0.0014**
Copper, Dissolved	6010	0312I	03-12-04	03-16-04	BR	0.020	UN	mg/l	1	0.020	0.0027
Nickel, (Dissolved)	**6010**	**0312I**	**03-12-04**	**03-16-04**	**BR**	**0.0023**	**B**	**mg/l**	**1**	**0.040**	**0.0022**
Silver (Dissolved)	6010	0312I	03-12-04	03-16-04	BR	0.010	UN	mg/l	1	0.010	0.0020
Vanadium (Dissolved)	6010	0312I	03-12-04	03-16-04	BR	0.010	U	mg/l	1	0.010	0.00070
Zinc, (Dissolved)	**6010**	**0312I**	**03-12-04**	**03-16-04**	**BR**	**0.0057**	**B**	**mg/l**	**1**	**0.020**	**0.0013**

SEVERN TRENT STL

STL Savannah

Client : Michael Baker Corporation/Baker Enviro
Work Order ID : SWMU 3 BASE LANDFILL/PRNS87
Laboratory ID : S441695*9
Sample ID : R7GW10-09
Matrix : LI
Percent Solids :

Sampled : 03-01-2004
Received: 03-03-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
Thallium	6010	0310K	03-10-04	03-12-04	PM	0.010	U	mg/l	1	0.010	0.0057

SEVERN TRENT STL

STL Savannah

Client : Michael Baker Corporation/Baker Enviro
Work Order ID : SWMU 3 BASE LANDFILL/PRNS87
Laboratory ID : S441695*10
Sample ID : R7GW11-09
Matrix : LI
Percent Solids :

Sampled : 03-01-2004
Received: 03-03-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
Antimony (Dissolved)	6010	0312I	03-12-04	03-16-04	BR	0.020	U	mg/l	1	0.020	0.0037
Arsenic, (Dissolved)	6010	0312I	03-12-04	03-16-04	BR	0.010	U	mg/l	1	0.010	0.0050
Lead, (Dissolved)	6010	0312I	03-12-04	03-16-04	BR	0.0050	U	mg/l	1	0.0050	0.0025
Selenium (Dissolved)	**6010**	**0312I**	**03-12-04**	**03-16-04**	**BR**	**0.0075**	**BN**	**mg/l**	**1**	**0.010**	**0.0053**
Barium, (Dissolved)	**6010**	**0312I**	**03-12-04**	**03-16-04**	**BR**	**0.0054**	**B**	**mg/l**	**1**	**0.010**	**0.0010**
Beryllium (Dissolved)	6010	0312I	03-12-04	03-16-04	BR	0.0040	U	mg/l	1	0.0040	0.00040
Cadmium (Dissolved)	6010	0312I	03-12-04	03-16-04	BR	0.0050	U	mg/l	1	0.0050	0.00086
Chromium, (Dissolved)	6010	0312I	03-12-04	03-16-04	BR	0.010	U	mg/l	1	0.010	0.0011
Cobalt (Dissolved)	6010	0312I	03-12-04	03-16-04	BR	0.010	U	mg/l	1	0.010	0.0014
Copper, Dissolved	6010	0312I	03-12-04	03-16-04	BR	0.020	UN	mg/l	1	0.020	0.0027
Nickel, (Dissolved)	6010	0312I	03-12-04	03-16-04	BR	0.040	U	mg/l	1	0.040	0.0022
Silver (Dissolved)	6010	0312I	03-12-04	03-16-04	BR	0.010	UN	mg/l	1	0.010	0.0020
Vanadium (Dissolved)	**6010**	**0312I**	**03-12-04**	**03-16-04**	**BR**	**0.0010**	**B**	**mg/l**	**1**	**0.010**	**0.00070**
Zinc, (Dissolved)	**6010**	**0312I**	**03-12-04**	**03-16-04**	**BR**	**0.0050**	**B**	**mg/l**	**1**	**0.020**	**0.0013**

SEVERN TRENT STL

STL Savannah

Client : Michael Baker Corporation/Baker Enviro
Work Order ID : SWMU 3 BASE LANDFILL/PRNS87
Laboratory ID : S441695*10
Sample ID : R7GW11-09
Matrix : LI
Percent Solids :

Sampled : 03-01-2004
Received: 03-03-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
Thallium	6010	0310K	03-10-04	03-12-04	PM	0.010	U	mg/l	1	0.010	0.0057

SEVERN TRENT STL

STL Savannah

Client : Michael Baker Corporation/Baker Enviro
Work Order ID : SWMU 3 BASE LANDFILL/PRNS87
Laboratory ID : S441695*11
Sample ID : R7ER01-09
Matrix : LI
Percent Solids :

Sampled : 03-02-2004
Received: 03-03-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
Antimony (Dissolved)	6010	0312I	03-12-04	03-16-04	BR	0.020	U	mg/l	1	0.020	0.0037
Arsenic, (Dissolved)	6010	0312I	03-12-04	03-16-04	BR	0.010	U	mg/l	1	0.010	0.0050
Lead, (Dissolved)	6010	0312I	03-12-04	03-16-04	BR	0.0050	U	mg/l	1	0.0050	0.0025
Selenium (Dissolved)	6010	0312I	03-12-04	03-16-04	BR	0.010	UN	mg/l	1	0.010	0.0053
Barium, (Dissolved)	**6010**	**0312I**	**03-12-04**	**03-16-04**	**BR**	**0.0017**	**B**	**mg/l**	**1**	**0.010**	**0.0010**
Beryllium (Dissolved)	6010	0312I	03-12-04	03-16-04	BR	0.0040	U	mg/l	1	0.0040	0.00040
Cadmium (Dissolved)	6010	0312I	03-12-04	03-16-04	BR	0.0050	U	mg/l	1	0.0050	0.00086
Chromium, (Dissolved)	6010	0312I	03-12-04	03-16-04	BR	0.010	U	mg/l	1	0.010	0.0011
Cobalt (Dissolved)	6010	0312I	03-12-04	03-16-04	BR	0.010	U	mg/l	1	0.010	0.0014
Copper, Dissolved	6010	0312I	03-12-04	03-16-04	BR	0.020	UN	mg/l	1	0.020	0.0027
Nickel, (Dissolved)	6010	0312I	03-12-04	03-16-04	BR	0.040	U	mg/l	1	0.040	0.0022
Silver (Dissolved)	6010	0312I	03-12-04	03-16-04	BR	0.010	UN	mg/l	1	0.010	0.0020
Vanadium (Dissolved)	6010	0312I	03-12-04	03-16-04	BR	0.010	U	mg/l	1	0.010	0.00070
Zinc, (Dissolved)	**6010**	**0312I**	**03-12-04**	**03-16-04**	**BR**	**0.0045**	**B**	**mg/l**	**1**	**0.020**	**0.0013**

SEVERN TRENT STL

STL Savannah

Client : Michael Baker Corporation/Baker Enviro
Work Order ID : SWMU 3 BASE LANDFILL/PRNS87
Laboratory ID : S441695*11
Sample ID : R7ER01-09
Matrix : LI
Percent Solids :

Sampled : 03-02-2004
Received: 03-03-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
Thallium	6010	0310K	03-10-04	03-12-04	PM	0.010	U	mg/l	1	0.010	0.0057

SEVERN TRENT STL

STL Savannah

Client : Michael Baker Corporation/Baker Enviro
Work Order ID : SWMU 3 BASE LANDFILL/PRNS87
Laboratory ID : S441695*12
Sample ID : R7FB01-09
Matrix : LI
Percent Solids :

Sampled : 03-02-2004
Received: 03-03-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
Antimony (Dissolved)	6010	0312I	03-12-04	03-16-04	BR	0.020	U	mg/l	1	0.020	0.0037
Arsenic, (Dissolved)	6010	0312I	03-12-04	03-16-04	BR	0.010	U	mg/l	1	0.010	0.0050
Lead, (Dissolved)	6010	0312I	03-12-04	03-16-04	BR	0.0050	U	mg/l	1	0.0050	0.0025
Selenium (Dissolved)	6010	0312I	03-12-04	03-16-04	BR	0.010	UN	mg/l	1	0.010	0.0053
Barium, (Dissolved)	**6010**	**0312I**	**03-12-04**	**03-16-04**	**BR**	**0.0017**	**B**	**mg/l**	**1**	**0.010**	**0.0010**
Beryllium (Dissolved)	6010	0312I	03-12-04	03-16-04	BR	0.0040	U	mg/l	1	0.0040	0.00040
Cadmium (Dissolved)	6010	0312I	03-12-04	03-16-04	BR	0.0050	U	mg/l	1	0.0050	0.00086
Chromium, (Dissolved)	6010	0312I	03-12-04	03-16-04	BR	0.010	U	mg/l	1	0.010	0.0011
Cobalt (Dissolved)	6010	0312I	03-12-04	03-16-04	BR	0.010	U	mg/l	1	0.010	0.0014
Copper, Dissolved	6010	0312I	03-12-04	03-16-04	BR	0.020	UN	mg/l	1	0.020	0.0027
Nickel, (Dissolved)	6010	0312I	03-12-04	03-16-04	BR	0.040	U	mg/l	1	0.040	0.0022
Silver (Dissolved)	6010	0312I	03-12-04	03-16-04	BR	0.010	UN	mg/l	1	0.010	0.0020
Vanadium (Dissolved)	6010	0312I	03-12-04	03-16-04	BR	0.010	U	mg/l	1	0.010	0.00070
Zinc, (Dissolved)	**6010**	**0312I**	**03-12-04**	**03-16-04**	**BR**	**0.0047**	**B**	**mg/l**	**1**	**0.020**	**0.0013**

SEVERN TRENT STL

STL Savannah

Client : Michael Baker Corporation/Baker Enviro
Work Order ID : SWMU 3 BASE LANDFILL/PRNS87
Laboratory ID : S441695*12
Sample ID : R7FB01-09
Matrix : LI
Percent Solids :

Sampled : 03-02-2004
Received: 03-03-2004

RESULTS SUMMARY REPORT

Parameter	Method	Batch	Prep Date	Analysis Date	Analyst	Result	Qual	Units	DF	RL	MDL
Thallium	6010	0310K	03-10-04	03-12-04	PM	0.010	U	mg/l	1	0.010	0.0057

APPENDIX G
Laboratory Data Validation Summary

DIANE SHORT & ASSOCIATES, INC.

1978 S. Garrison #9
Lakewood, CO 80227
303-271-9642 Fax 988-4027
dsa@eazy.net

Data Validation Report

SDG#:	PRNS87
Date:	April 26, 2004, Revision June 14, 2004
Client Name:	Michael Baker Jr., Inc.
Project/ Site Name:	Roosevelt Roads
Date Sampled:	March 1& 2, 2004
Number of Samples:	10 Aqueous Samples with 1 MS/MSD, 1 Equipment Rinsate, 1 Field Blank, and 1 Trip Blank
Laboratory:	STL Savannah
Validation Guidance:	National Functional Guidelines for Organic Data Review, EPA Region II; EPA National Functional Guidelines for Inorganic Review
QA/QC Level:	NEESA D
Method(s) Utilized:	SW846 Third Edition
Analytical Fractions:	Volatiles, TCL Semi-volatiles, TCL Pesticides, Metals, and Dissolved Metals

Analytical data in this report were screened to determine usability of results and also to determine contractual compliance relative to these requirements and deliverables. This screening assumes analytical results are correct as reported and merely provides an interpretation of the reported quality control results. A minimum of 10% of all laboratory calculations have been verified as part of this validation. All instrument output, i.e. spectra, chromatograms, etc., for each sample have been reviewed. The end-user is urged to review the Specific Findings and associated Data Qualifications presented in this report. Annotated Form 1s or spreadsheets for all samples reviewed are included after the Data Assessment Narratives. Form 1s for MS/MSD samples or spreadsheets are not annotated.

The release of this Data Validation Report is authorized by the following signatures.

Prepared by: 04/23-25/04

William Berning, Sammy Huntington
Leewaphath Xaiyasang Date
Diane Short & Associates, Inc.
Data Validation Chemist

Original and Revision Prepared by: 06/14/04

Diane Short, QA Manager
Diane Short & Associates, Inc.

SDG# PRNS87

Samples and Fractions Reviewed

Sample ID	Matrix	VOC		SVOC		Pest		Met*		D Met*	
		Water	Soil	Water	Soil	Water	Soil	Water	Soil	Water	Soil
R7GW01R-09	Water	1		1		1		1		1	
R7GW02R-09	Water	1		1		1		1		1	
R7GW02R-09D	Water	1		1*		1		1		1	
R7GW02R-09 MS	Water	1*		1		1*		1		1	
R7GW02R-09 MSD	Water	1		1		1		1		1	
R7GW04R-09	Water	1		1		1		1		1	
R7GW05R-09	Water	1		1		1		1		1	
R7GW07R2-09	Water	1		1		1		1		1	
R7GW08R2-09	Water	1		1		1		1		1	
R7GW09-09	Water	1		1		1		1		1	
R7GW10-09	Water	1		1		1		1		1	
R7GW11-09	Water	1		1		1		1		1	
R7ER01-09	Water	1		1		1		1		0	
R7FB01-09	Water	1		1		1		1		0	
R7TB01-09	Water	1		0		0		0		0	
Total Billable Samples (Water/Soil)		15	0	14	0	14	0	14	0	12	0

VOC = Appendix I Volatiles – 8260B
SVOC = Appendix IX Semivolatiles – 8270C (1,4-dioxane only)
Pest = Appendix IX Pesticides – 8081A (beta-BHC only)
Met = Appendix I Metals – 6010B
D Met = Appendix I Dissolved Metals – 6010B
* indicates the sample used for the calculation check. When the MS sample is noted, it was checked as there were no detections to calculate from the other samples in the set. For metals, mercury. barium and zinc were checked for each sample

Data Assessment and Narrative

Volatile Organics

General

The organic findings offered in this screening report assumes that all analytical results are correct as reported and is based upon the review of the reported holding times, blank analysis results, surrogate and matrix spike recoveries, GC/MS performance, tuning results, calibration results and internal standard areas. This report was prepared in compliance relative to the analytical and deliverable requirements specified in the SW-846 Method 8260B; Region II Standard Operating Procedure for the Validation of Organic Data Acquired Using SW-846 Method 8260B, June 1999 (HW-24 Rev. 1), and NEESA D. All comments made within this report should be considered when examining the analytical results.

SDG # PRNS87
A validation was performed on the Volatile Data from SDG #PRNS87. The data were evaluated based on the following parameters:

* Data Completeness
* Holding Times
  Sample Integrity
* Surrogate Recoveries
* Laboratory Control Samples
* Matrix Spike/Matrix Spike Duplicate
  Blanks
* GC/MS Instrument Performance Check (Tuning)
* Compound Identification/Quantitation
* TICs
  Calibrations
* Internal Standard Performance
* Field Duplicates

* = All criteria were met for this parameter.

Chain of Custody and Sample Condition
The cooler receipt form indicated that samples were received in good condition. It also showed "NA" regarding bubbles in VOA samples. The laboratory was called and the cooler receipt was revised after talking to lab personnel to reflect an anomaly. The narrative has been updated as requested by the client.

The laboratory also provides an anomaly report. The anomaly report indicates that one of four containers was broken, sample R7GW10-09. It also indicates that the following samples had headspace:
1 of 4, R7GW02R-09D
4 of 4, R7GW04R-09,

3 of 4, R7TB01-09
The laboratory was contacted to clarify the meaning of their nomenclature above. The laboratory indicated that "1 of 4" means one vial of 4 had headspace, etc.

Results for sample R7GW04R-09 have been qualified 'J' because of the fact that the containers all had headspace. There could be a low bias to the data due to loss of compounds into the headspace. The others have not been qualified because there were containers without headspace for the laboratory to analyze.

Holding Times
Holding time requirements were met for all samples.

Blanks
All laboratory "B" flagged TICs have been qualified 'R' due to blank contamination. This is usually a 'UB' qualification to indicate blank contamination, but the SOP has required that data be rejected 'R'. The use of the data would be the same regardless of the qualification. In either case, CO2 is considered to be an undetected value.

The blanks associated with samples in this SDG exhibited no target compound contamination. Qualifications were not required. Only carbon dioxide (a TIC) was qualified, as per the SOP.

There was one trip blank (RTB01-09), a field blank (R7FB01-09), and an equipment rinse blank (R7ER01-09). All were free of contamination with the exception of carbon dioxide. Carbon dioxide cannot technically be considered a contaminant since it is in all natural waters and virtually any water exposed to the atmosphere. For this reason, it also cannot be measured by this analytical method.

Associated blank	Compound	Concentration	Action Level
Method Blank PRNS87-1	carbon dioxide	190JN	1900
Method Blank PRNS77-12	None detected		

Samples	Compound	Qualification
R7GW01R-09	carbon dioxide TIC	R130
R7GW02R-09	carbon dioxide TIC	R130
R7GW02R-09D	carbon dioxide TIC	R120
R7GW04R-09	carbon dioxide TIC	R100
R7GW05R-09	carbon dioxide TIC	R85
R7GW07R-09	carbon dioxide TIC	R76
R7GW08R-09	carbon dioxide TIC	R56
R7GW09-09	carbon dioxide TIC	R64
R7GW10-09	carbon dioxide TIC	R130
R7GW11-09	carbon dioxide TIC	R100

Samples	Compound	Qualification
R7ER01-09	carbon dioxide TIC	R8.2
R7FB01-09	carbon dioxide TIC	R6.6
R7TB01-09	carbon dioxide TIC	R7.1

Compound Identification/Quantitation
There are no detected targets.

TICs
Carbon dioxide was a TIC that was detected in the blanks and samples. Carbon dioxide is considered to be a common lab contaminant based on the Region 2 SOP checklists. The laboratory did not provide reference spectra for carbon dioxide based on internal procedure. Carbon dioxide is present in most natural waters.

The laboratory provided multiple "best match" spectra for TICs identified as "unknown" by the laboratory. These gave fairly good matches to library spectra of silanes, but were still reported as "unknown". Silanes are common contaminants from septa used in the sampling container lids, or injection septa. They are not likely to arise from column breakdown in this case, since there is no evidence for that in the chromatograms.

Calibrations
The Continuing Calibrations, BQ022 and BQ043 contained compounds with %Ds greater than 20% and less than 90%. For the samples and non-compliant compounds listed below qualify all positive results as estimated J and non-detected results as estimated UJ. Samples are qualified from calibration BQ022. Calibration BQ043 was used only for the MS/MSD analyses, which required no qualification.

All Samples (Continuing Calibration BQ022)	chloroethane acetone 1,2,3-trichloropropane 1,4-dichlorobenzene 1,2-dichlorobenzene iodomethane trans-1,4-dichloro-2-butene 2-butanone

Note: On technical grounds, the reviewer does not agree with the requirement in this SOP of qualifying non-detected compounds when the %D exceeds 20%. In particular, this is not consistent with guidance in SW-846, which would only consider a bias to be significant in such a case if the bias was low. Many of the instances above reflect a high bias (an increase in response). Also, when data are not detected, there is no quantitation performed and the data are reported at the RL. As long as the response factor is greater than 0.05 and data can be detected at the RL, the change in %D does not impact the data. Further, the Functional Guidelines specify 25% as the limit required. Nonetheless, the data have been qualified as per the SOP.

System Performance and Overall Assessment

Chromatograms and mass spectral matches were within limits. No calculation errors were detected.

The data, as presented, required qualifications only for changes in the continuing calibration response factors, one sample for headspace and most data for blank contamination of the TICs. As noted, these qualifications are not expected to impact the data, with the possible exception of the headspace bias.

GLOSSARY OF DATA QUALIFIERS

QUALIFICATION CODES

U = Not detected
J = Estimated value
UJ = Reported quantitation limit is qualified as estimated
R = Result is rejected and unusable
N= Presumptive evidence (TICs only)

METHOD BLANK QUALIFICATION CODES

CRQL = The sample result for the blank contaminant is less than the sample CRQL and is less than 10X the method blank value. The sample result for the blank contaminant is rejected and the CRQL for that compound is reported.

UB = The sample result for the blank contaminant is greater than the sample CRQL and is less than 10X the method blank value. The sample result for the blank contaminant is qualified as non-detected at the compound value reported.

No Action = The sample result for the blank contaminant is greater than the sample CRQL and is greater than 10X the method blank value. The sample result for the blank contaminant is not qualified with any blank qualifiers.

Data Assessment and Narrative

Metals (Total and Dissolved)

General

The inorganic findings offered in this screening report assumes that all analytical results are correct as reported and is based upon the review of the reported holding times, blank analysis results, matrix spike and laboratory control sample recoveries, matrix duplicates, and calibration results. This report was prepared in compliance relative to the analytical and deliverable requirements specified in the SW-846 Methods 6010B and 7470A; and USEPA CLP National Functional Guidelines for Inorganic Data Review, July 2002. All comments made within this report should be considered when examining the analytical results.

SDG # PRNS87

A validation was performed on the Metals Data from SDG #PRNS87. The data were evaluated based on the following parameters:

* Data Completeness
* Holding Times
* Chains of Custody and Sample Integrity
* Calibrations
  Blanks
* Interferences
  Matrix Spike Recovery
* Matrix Duplicates
* Laboratory Control Samples
* Field Duplicates
* Serial Dilutions

* = All criteria were met for this parameter.

Blanks

The blanks associated with samples in this SDG exhibited contamination. Qualifications were required. Below is a list of the compounds detected in the blanks and required qualifications. Data qualifed as 'UB' are fully usable as undetected values.

Compound	# of Blanks with detections and Detection range in Blanks (mg/L)	Qualifications

Compound	# of Blanks with detections and Detection range in Blanks (mg/L)	Qualifications
Barium	2 PBs; 0.0014 to 0.0016	If sample result is < 5 x Blank result, qualify data with "UB". If sample result is non-detect, no action.
Lead	1 CCB; 0.00265	If sample result is < Blank X5 result, qualify data with "UB". If sample result is non-detect, no action.
Nickel	1 PB; 0.00436	If sample result is < Blank X5 result, qualify data with "UB". If sample result is non-detect, no action.
Selenium	1 CCB; 0.00629	If sample result is < Blank X5 result, qualify data with "UB". If sample result is non-detect, no action.
Vanadium	4 CCBs; 0.00079 to 0.00105	If sample result is < Blank X5 result, qualify data with "UB". If sample result is non-detect, no action.
Zinc	2 PBs; 0.00195 to 0.00568	If sample result is < Blank result x5 , qualify data with "UB". If sample result is non-detect, no action.
CCB = Continuing Calibration Blank ICB = Initial Calibration Blank PB = Preparation Blank RL = Reporting Limit MDL = Method Detection Limit		

Matrix Spike Recovery

The matrix spike (pre-digestion spike) recovery results for Total Silver were above the QC Limits (75-125%) in R7GW02R-09S at 131% and R7GW02R-09SD at 134%. Post digestion spikes are not required and were not performed for Total and Dissolved Silver. The reported sample results are non-detect therefore the data were not qualified.

The matrix spike (pre-digestion spike) recovery results for Dissolved Copper were above the QC Limits (75-125%) in R7GW02R-09FS at 129% and R7GW02R-09FSD at 131%. A post digestion spike was performed for Dissolved Copper. Reported sample results that are non-detect should not be qualified. If the sample results are ≥MDL, the affected data are qualified as estimated high J. It is possible data are biased high proportional to the spike recovery.

The matrix spike (pre-digestion spike) recovery results for Dissolved Selenium were above the QC Limits (75-125%) in R7GW02R-09FSD at 126%. A post digestion spike was performed for Dissolved Selenium. Normally, if the sample results are ≥MDL, the affected data are qualified as estimated high J, and non-detects are not qualified. But the only detected Dissolved Selenium result in this SDG has already been qualified as a "U" due to blank contamination. Data are, therefore, not qualified for this high matrix spike result.

The matrix spike (pre-digestion spike) recovery results for Total and Dissolved Mercury were below the QC Limits (80-120%) in R7GW02R-09S at 61%, R7GW02R-09SD at 56%, R7GW02R-09FS at 60%, and R7GW02R-09FSD at 64%. Post digestion spikes were performed for Total and Dissolved Mercury. The matrix spike recoveries were between 30-74%. The reported sample results are non-detect, therefore, the data were qualified UJ. It is possible data are biased low proportional to the spike recovery.

Compound Quantitation

All sample results left with a "B" qualifier after all other qualifications, will be qualified with a "J" qualifier in place of the "B". Value is below the Reporting Limit but greater than the IDL/MDL.

System Performance and Overall Assessment

The data reviewed required qualifications for blank contamination and for matrix spike recoveries outside of the EPA NFG limits. Data fully usable for project purposes with consideration of the applied qualifications. No data were rejected.

GLOSSARY OF DATA QUALIFIERS
for Metals

QUALIFICATION CODES

U = Not detected
J = Estimated value
UJ = Reported quantitation limit is qualified as estimated
R = Result is rejected and unusable
UB = The sample result for the blank contaminant is greater than the sample CRQL and is less than 10X the method blank value. The sample result for the blank contaminant is qualified as non-detected at the compound value reported.