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CORRECTIVE MEASURES STUDY REPORT SOLID WASTE MANAGEMENT UNIT 196 (SWMU 196) ZONE H CNC CHARLESTON SC

6/17/2003

CH2M HILL

CORRECTIVE MEASURES STUDY REPORT

SWMU 196, Zone H

Charleston Naval Complex
North Charleston, South Carolina

SUBMITTED TO
U.S. Navy Southern Division
Naval Facilities Engineering Command

CH2M-Jones

June 2003

Revision No. 0
Contract N62467-99-C-0960

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June 17, 2003

Mr. David Scaturo
South Carolina Department of Health and
Environmental Control
Bureau of Land and Waste Management
2600 Bull Street
Columbia, SC 29201

Re: CMS Report (Revision 0) – SWMU 102 and AOC 590, Zone E

Dear Mr. Scaturo:

Enclosed please find two copies of the CMS Report (Revision 0) for SWMU 102 and AOC 590 in Zone E of the Charleston Naval Complex (CNC). This report has been prepared pursuant to agreements by the CNC BRAC Cleanup Team for completing the RCRA Corrective Action process.

The principal author of this document is Sam Naik. Please contact him at 770/604-9182, ext. 255, if you have any questions or comments.

Sincerely,

CH2M HILL

Dean Williamson, P.E.

cc: Tim Frederick/Gannett Fleming, Inc., w/att
Dann Spariosu/USEPA, w/att
Rob Harrell/Navy, w/att
Gary Foster/CH2M HILL, w/att

CORRECTIVE MEASURES STUDY REPORT

SWMU 196, Zone H

Charleston Naval Complex
North Charleston, South Carolina

SUBMITTED TO
U.S. Navy Southern Division
Naval Facilities Engineering Command

PREPARED BY
CH2M-Jones

June 2003

Revision 0
Contract N62467-99-C-0960
158814.ZH.PR.16

Certification Page for Corrective Measures Study Report (Revision 0) — SWMU 196, Zone H

I, Dean Williamson, certify that this report has been prepared under my direct supervision. The data and information are, to the best of my knowledge, accurate and correct, and the report has been prepared in accordance with current standards of practice for engineering.

South Carolina

P.E. No. 21428

Dean Williamson

Dean Williamson, P.E.

6/11/2003

Date

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Acronyms and Abbreviations

AOC	area of concern
AST	aboveground storage tank
BEQ	benzo[a]pyrene equivalent
BRAC	Base Realignment and Closure Act
CA	corrective action
CMS	corrective measures study
CNC	Charleston Naval Complex
COC	chemical of concern
CPW	Charleston Public Works
CVOC	chlorinated volatile organic compound
DNAPL	dense non-aqueous phase liquid
DCB	dichlorobenzene
DO	dissolved oxygen
EBEC	evaluation of baseline environmental conditions
EnSafe	EnSafe, Inc.
EPA	U.S. Environmental Protection Agency
ft bls	feet below land surface
HI	hazard index
ILCR	Incremental Lifetime Cancer Risk
IM	interim measure
IMCR	IM Completion Report
IMWP	IM Work Plan
LUC	land use control
LUCMP	land use control management plan
MCL	maximum contaminant level
MCS	media cleanup standard
MNA	monitored natural attenuation
NAPL	non-aqueous phase liquid

Acronyms and Abbreviations, Continued

NAVBASE	Naval Base
PCE	tetrachloroethene
RAO	remedial action objective
RBC	risk-based concentration
RCRA	Resource Conservation and Recovery Act
RFI	RCRA Facility Investigation
RFIRA	RFI Report Addendum
RGO	remedial goal option
RI	remedial investigation
SCDHEC	South Carolina Department of Health and Environmental Control
SWMU	solid waste management unit
TCB	trichlorobenzene
TCE	trichloroethene
VOC	volatile organic compound

Section 1.0

1.0 Introduction

In 1993, Naval Base (NAVBASE) Charleston was added to the list of bases scheduled for closure as part of the Defense Base Realignment and Closure (BRAC) Act, which regulates closure and transition of property to the community. The Charleston Naval Complex (CNC) was formed as a result of the dis-establishment of the Charleston Naval Shipyard and NAVBASE on April 1, 1996.

CNC Corrective Action (CA) activities are being conducted under the Resource Conservation and Recovery Act (RCRA); the South Carolina Department of Health and Environmental Control (SCDHEC) is the lead agency for CA activities at the site. All RCRA CA activities are performed in accordance with the Final Permit (Permit No. SC0 170 022 560).

In April 2000, CH2M-Jones was awarded a contract to provide environmental investigation and remediation services at the CNC. This submittal presents a Corrective Measures Study (CMS) report for Solid Waste Management Unit (SWMU) 196 in Zone H at the CNC. Figure 1-1 presents the location of SWMU 196 within Zone H. Figure 1-2 is an aerial photograph of the site.

1.1 Corrective Measures Study Report Purpose and Scope

This CMS report evaluates the corrective measure alternatives to address chemicals of concern (COCs) in the shallow portion of the surficial aquifer at SWMU 196, and develops the basis for selection of a corrective measure alternative for remediation of contaminated groundwater at the site. A summary of the COCs for shallow groundwater and the potential media cleanup standards (MCSs) were included in the *Phase III RFI Report Addendum/IM Completion Report/CMS Work Plan (RFIRA/IMCR/CMSWP), SWMU 196, Zone H, Revision 0* (CH2M-Jones, 2002). This Phase III RFIRA/IMCR/CMSWP also evaluated and refined the COCs that were identified for SWMU 196 as presented in the *Zone H RCRA Facility Investigation (RFI) Addendum Report, Revision 0* (EnSafe Inc. [EnSafe], 2000).

This CMS report focuses on the known volatile organic compound (VOC) contamination in the shallow aquifer at SWMU 196. The need to install a deeper monitoring well is currently being discussed with SCDHEC, and any further RFI or CMS activities related to the deeper aquifer, if any, would be implemented separately in the future if deeper contamination at

the site is identified. Currently, no data indicate that the deeper aquifer at SWMU 196 is contaminated.

1.2 Background Information

1.2.1 Site History

SWMU 196 is located in the southern portion of the CNC, on its western border (see Figure 1-1). Within Zone H, SWMU 196 is located in the southern section of the former public works storage yard, which includes Building 1838 (see Figure 1-2). Building 1838 was constructed in 1979 and is currently leased by the Commissioner of Public Works (CPW) of the City of Charleston, South Carolina, for miscellaneous equipment storage. This area was formerly tidal marsh land and has been filled to its present elevation. The fill area elevation declines steeply east of the building toward Shipyard Creek.

In 1991, an Environmental Compliance Evaluation was conducted at the site. Drums and cans containing solvents, paints, acid, and lubricant oil, a potassium chromate tank, and transformers were found stored in the storage yard area. Most were corroded and sitting directly on the ground between the building and the Shipyard Creek marsh. They were not observed on the site in 1993, when an Environmental Baseline Survey (EBS) was conducted.

1.2.2 Site Investigations

The former public works storage yard was originally addressed in the *Zone H Final RFI Report* (EnSafe/Allen & Hoshall, 1998) as part of the Combined SWMU 9 investigation. In October 1994, four temporary monitoring wells were installed in the area that is now SWMU 196. Based on the sampling results, three permanent monitoring wells were installed in the northern section of the storage yard.

In June 1996, a pre-lease Evaluation of Baseline Environmental Conditions (EBEC) was conducted by the CPW at the former storage yard. The results from the investigation identified contaminant concentrations in groundwater that required further investigation. The complete results from the EBEC are available in the *Evaluation of Baseline Environmental Conditions* (General Engineering Laboratories, Inc. [GEL], 1996).

Revisions were made to the *Zone H RFI Report, Revision 0*, and a new version was issued in 1998. As a result of the regulatory review of the *Zone H RFI Report, Revision 1* (EnSafe/Allen & Hoshall, 1998), additional investigations were required at several sites.

From June 1998 to June 1999, a CMS investigation was conducted for Combined SWMU 9. As part of this investigation, additional wells were installed and sampled in the former storage yard to delineate groundwater contamination. Based on the results from this CMS investigation, it was determined that the former storage area required further investigation. Consequently, in September 1999, the area around Building 1838 was identified as SWMU 196.

An RFI Addendum was prepared for SWMU 196, including a human health and ecological risk assessment, and is documented in the *Draft Zone H RFI Report, RFI Addendum, Revision 0* (EnSafe, 2000). Additional soil and groundwater data were collected as part of this RFI Addendum. This report concluded that COCs in surface soils, groundwater, and sediment at SWMU 196 should be further evaluated in a CMS.

Another RFIRA was prepared by CH2M-Jones in 2001. This RFIRA was designated as Phase II to distinguish it from the prior publication *Draft Zone H RFI Report, RFI Addendum* (EnSafe, 2000). The subject report was entitled the *Phase II RFI Report Addendum, SWMU 136/AOC 663, AOC 666, SWMU 138/AOC 667, SWMU 17, and SWMU 196* (CH2M-Jones, 2001). The Phase II RFIRA supported the conclusions of the *Draft Zone H RFI Report, RFI Addendum*.

1.2.3 Interim Measures

The BRAC Cleanup Team (BCT) agreed to implement an Interim Measure (IM) to remediate groundwater that appeared to be a source area for chlorobenzene and the dichlorobenzenes. A Phase I IM Work Plan (IMWP), entitled *Phase I – Source Area Delineation, Interim Measure Work Plan, SWMU 196, Zone H, Revision 0* (CH2M-Jones, 2000) was executed in December 2000 to delineate the extent of chlorobenzene and dichlorobenzenes in groundwater. After delineation was completed, CH2M–Jones executed the Phase II IMWP, entitled *Phase II Interim Measure Work Plan, SWMU 196, Zone H, Revision 0* (CH2M-Jones, 2001), which involved aggressively treating the source of groundwater contamination using in situ chemical oxidation with Fenton's reagent. The Phase II IM consisted of a remediation phase which was conducted between November 2001 and July 2002. The IM Completion Report (IMCR) for SWMU 196 was presented as Section 6.0 of the Phase III RFIRA/IMCR/CMSWP.

The pretreatment data for the Phase II IM were used to assess the nature and extent of groundwater contamination at SWMU 196; the evaluation of these data, along with other components of the RFI, constitutes the Phase III RFIRA for SWMU 196.

The data generated during and after the IM indicate that the three phases of in situ chemical oxidation conducted at the site were effective in destroying a significant amount of the chlorobenzene and dichlorobenzene contamination. However, the most recent sampling event, conducted in December 2002, showed a significant rebound of dissolved-phase VOC contamination in some of the wells, indicating that residual pockets of contamination remain at the site. The complete analytical data summaries for the groundwater data collected in December 2002 are provided in Appendix A. The current plume configuration is discussed further in Section 1.4. The potential remediation approaches described in this CMS report are intended to address the residual groundwater contamination in the shallow aquifer. Appendix B contains the pre- and post-IM groundwater plume configurations for the key chlorobenzene and dichlorobenzene contaminants (Figures 6-5 through 6-9 of the Phase III RFIRA/CMSWP/IMCR [CH2M-Jones, 2002]).

1.3 Site Hydrogeology

A discussion of the hydrogeology at SWMU 196 was presented in the *Zone H RFI Report, Revision 0* (EnSafe, 1996) in Section 3.1, and the *Zone H RFI Report, RFI Addendum, Revision 0* (EnSafe, 1996) in Section 2.4.1. Those discussions are summarized below.

1.3.1 Geological Conditions

Two stratigraphic units are present beneath SWMU 196: the Wando formation and the Ashley formation. The Wando formation is comprised of an upper sand unit, a marsh clay, and a lower sand unit. The upper sand is located in the first 15 feet below land surface (ft bls) depth interval. It is a heterogeneous soil with a mix of clay, some sand, and silt lenses. The marsh clay, which underlies it, is a sandy, fat, organic-rich unit. The lower sand is medium to well sorted, and clayey. The Ashley formation lies beneath the Wando formation and is relatively flat beneath SWMU 196. The Ashley formation consists of a tight, calcareous, sandy, and clayey silt. Deeper wells located onsite, such as H009GW23D, were installed to the top of this formation. Figure 1-3 shows the top of the Ashley elevation contours for the SWMU 196 vicinity.

In addition to these stratigraphic units, fill deposits are located in the shallow subsurface at SWMU 196. Some soil borings at SWMU 196 have identified broken glass in the top 3 ft at the site, which may be attributed to fill activities.

1.3.2 Hydrological Conditions

SWMU 196 is adjacent to the west bank of Shipyard Creek's upper reaches. Shipyard Creek flows southeastward to the Cooper River, approximately 1.3 miles downstream. Based on water level measurements at the site, the creek appears to be a groundwater discharge point.

The shallow aquifer is located in the upper 15 ft at SWMU 196, and corresponds to the upper sand unit of the Wando formation. This aquifer is under water table, or unconfined, conditions. Some tidal influence of the groundwater elevations has been observed.

Shallow groundwater levels were measured on April 23, 2002 at site monitoring wells. A potentiometric map of the April 2002 water levels is presented in Figure 1-4. The average hydraulic gradient was approximately 0.005 feet per foot (ft/ft). Groundwater flows to the southeast towards Shipyard Creek, which generally corresponds with previous water level measurements.

The marsh clay, which lies below the upper sand unit, acts as an aquitard and limits the vertical migration of groundwater into the lower sand unit of the Wando formation. This organic clay lies between 12 and 15 ft bls, and has an approximate thickness of 5 ft in the southwest portion of SWMU 196 and 7 ft in the northeast portion of the site, based on soil boring logs (EnSafe, 2000). The lower sand beneath the marsh clay is considered a semi-confined to confined aquifer. The Ashley formation serves as an aquitard beneath this lower sand due to its low permeability.

Based on water levels measured in monitoring wells H009GW23D and H196GW02D, deep groundwater appears to flow to the east (see Figure 1-5). Horizontal gradients, as shown in Figure 1-5, and vertical gradients observed between wells H009GW23D and H009GW023 indicate groundwater flows upward, suggesting that Shipyard Creek is a discharge point for deep groundwater flow, as well as shallow groundwater flow at SWMU 196 (EnSafe, 2000).

1.4 Summary of Chemicals of Concern and Current Groundwater Conditions

A variety of COCs, primarily VOCs, were identified in the shallow groundwater at SWMU 196. Chlorobenzene and dichlorobenzene isomers are present in groundwater in the highest concentrations at the site. A complete list of the groundwater COCs, along with proposed MCSs, was previously presented in the Phase III RFIRA/CMSWP/IMCR (CH2M-Jones, 2002). This list is also presented in Section 2.0 of this CMS report.

The IMCR presented in the RFIRA and CMSWP (October 2002) provided IM results through September 2002. An additional round of samples was collected in December 2002. Table 1-1 shows the sampling results from the IM throughout the course of the project, from initiation in October 2001 through December 2002 (only the target constituents for treatment are summarized in this table). Figures 1-6 through 1-10 show plume maps of 1,2-dichlorobenzene (1,2-DCB), chlorobenzene, 1,3-DCB, 1,4-DCB, and total chlorobenzenes as reported for the Phase II-B baseline sampling event, the September 2002 sampling event, and the December 2002 sampling event.

Observations of the data presented in Table 1-1 and the figures referenced above are described below:

- Phase II-A Pre-Treatment represents the baseline sampling (October 2002) event for Phase II-A, prior to the initial addition of Fenton's reagent at the site (conducted in November 2002). This phase of the treatment was limited to the central part of the treatment area for the purpose of conducting a pilot-scale application before installation of the remainder of the injection network.
- Phase II-A Post-Treatment represents the samples collected after the initial treatment application was completed (December 2002).
- Phase II-B Baseline represents an evaluation of the chlorobenzenes present at the site as measured with the expanded monitoring grid (February 2002).
- Phase II-B Post-Treatment represents data (April 2002) from the monitoring event following completion of the Phase II-B injection (completed in February 2002).
- Phase II-C Post-Treatment represents data (September 2002) from the monitoring event following the final application of Fenton's reagent (conducted in July 2002).
- Post-Treatment 2002 represents data from the monitoring event in December 2002.

Evaluation of the data presented in Table 1-1 shows the greatest amount of removal reported with the September 2002 monitoring event. These data were collected approximately 45 days after the completion of the July 2002 final injection activity. The data collected three months subsequent to the September 2002 monitoring event (December 2002) showed a rebound of contaminants in the treatment zone.

Several assumptions, described below, were required to construct these time-series maps as some sampling stations were not sampled with each sampling event:

- The Phase II-B sampling event is depicted as the "pre-treatment" data because it had a more complete well network in place, as compared to the Phase II-A event. As the Phase II-A treatment effort only removed 5 percent of the mass from the treatment zone, the Phase II-B concentrations are considered appropriate baseline data for the purposes of depicting concentration changes over time.

- Monitoring well H916GW006 was damaged as part of the last injection event. It was assumed the concentrations at this well did not change after the Phase II-B post-treatment sampling event. This is a valid assumption because rebound was not observed in the area of this well, as discussed later.

- The boundary wells, located in the marsh to the east of the treatment grid, were not sampled until August 2002. The injection of Fenton's reagent was not expected to impact this area. The August 2002 data collected for these wells were assumed to be constant throughout the course of the IM. Without this assumption, the interpretation of the extent of contamination would be under-represented.

Evaluation of the figures shows the above-referenced rebound at the site when comparing the September and December 2002 information. One way to evaluate the long-term effectiveness of the IM is to evaluate total chlorobenzenes removed, and compare removal reported with different sampling efforts. This comparison is depicted in Figure 1-11.

Evaluation of the total chlorobenzenes percent reductions presented in Table 1-1 and Figure 1-11 show the overall mass reduction changed from 82 percent in September 2002 to 57 percent in December 2002. Closer examination of this data shows that the rebound observed in the overall mass is primarily attributed to several wells. The rebound at 196GW013 alone accounts for approximately 62 percent of the total rebound reported between September and December 2002. Monitoring wells 196GW014 and 196GW015 account for another approximately 26 percent of this rebound. These three wells alone account for 88 percent of the total rebound.

Monitoring wells that were influenced by the Phase II-A injection event (196GW004, 196GW005, 196GW006, 009GW020, 196GW010, 009GEL15, 196GW007) have not shown substantive rebound, indicating the source was effectively removed in this area.

The overall results of the IM conducted at SWMU 196 show substantive mass removal of chlorobenzene and dichlorobenzenes, especially in the central portion of the treatment grid. Though a significant amount of mass has been removed as a result of conducting this IM, additional treatment is required to achieve site specific MCSs.

The locations where the greatest rebound occurred were specifically targeted in the Phase II-B and II-C injection applications. The fact that rebound has occurred, despite the focused application of treatment reagents in the rebound areas, indicates the practical limit of Fenton's reagent has been achieved in these areas of the injection grid.

1.5 Report Organization

This CMS report consists of the following sections, including this introductory section:

1.0 Introduction —Presents the purpose and scope of the CMS, as well as relevant background information including site history, site hydrogeology, nature and extent of contamination, and overview of the risk assessment presented in the RFI Addendum for Zone H.

2.0 Remedial Action Objectives and Proposed Media Cleanup Standards —Presents the remedial action objectives (RAOs) of this CMS and the criteria used in evaluating the corrective measure alternatives for the site.

3.0 Overall Approach for Evaluating Focused Alternatives for SWMU 196 —Describes the alternative development process and presents the detailed evaluation criteria.

4.0 Description of Candidate Corrective Measure Alternatives —Describes each of the candidate corrective measure alternatives for source and plume control at SWMU 196.

5.0 Detailed Analysis of Corrective Measure Alternatives—Presents a detailed analysis of the alternatives developed in Section 4.0.

6.0 Recommended Corrective Measure Alternative—Describes the preferred corrective measure alternative to achieve the MCSs and remedial goal options (RGOs) for source and plume control at SWMU 196 based on a comparison of the alternatives.

7.0 References — Lists the references used in this document.

Appendix A contains the complete analytical data summary for groundwater samples collected at SWMU 196.

Appendix B contains the pre- and post-IM groundwater plume configurations for the key chlorobenzene and dichlorobenzene contaminants (Figures 6-5 through 6-9 of the Phase III RFIRA/CMSWP/IMCR [CH2M-Jones, 2002]).

Appendix C contains the calculation of dilution of groundwater in Shipyard Creek.

Appendix D contains figures showing the aerobic biodegradation pathway for chlorobenzene and 1,4-dichlorobenzene.

Appendix E contains Iso-Gen™ information.

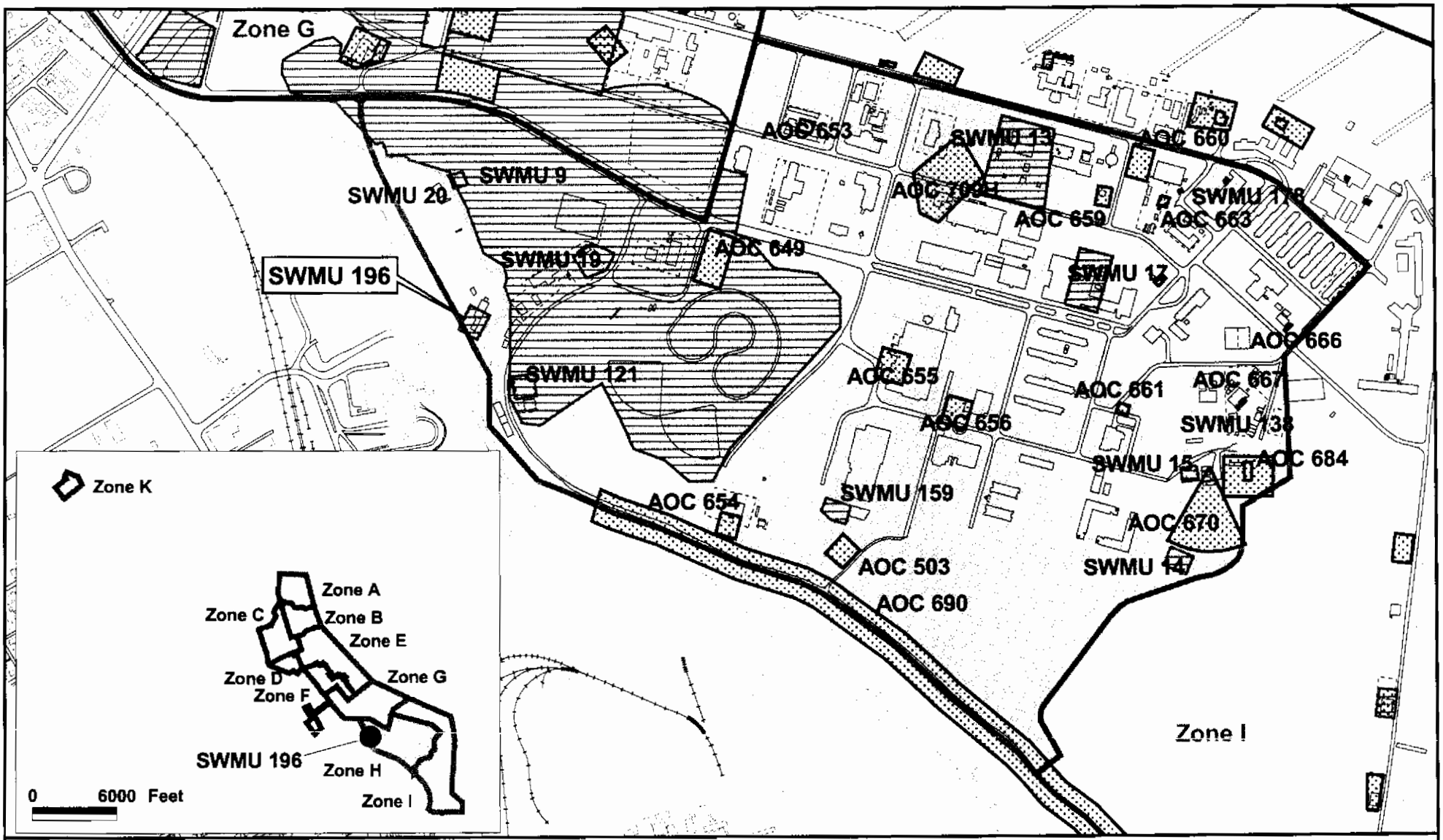
Appendix F contains the cost estimates for the corrective measure alternatives proposed for consideration at SWMU 196.

All tables and figures appear at the end of their respective sections.

TABLE 1-1
YM Pre-Treatment and Post-Treatment Data for Interim Measure at SWMU 196
Corrective Measures Study Report, SWMU 196, Zone H, Charleston Naval Complex

	Phase II-A PreTreatment - October 2001					Phase II-A Post Treatment - December 2001					Phase II-B Baseline - February 2002					Phase II-B Post Treatment - Apr 2002					Phase II-C Post-Treatment Sept 2002					Post Treatment Dec 2002					Total CB Reduction	Total CB Reduction	Total CB Reduction	Total CB Reduction	%CB Reduction	%CB Reduction	%CB Reduction	%CB Reduction
	µg/L					µg/L																															
Well ID	Chlorobenzene	12DCB	13DCB	14DCB	Total CB's	Chlorobenzene	12DCB	13DCB	14DCB	Total CB's	Chlorobenzene	12DCB	13DCB	14DCB	Total CB's	Chlorobenzene	12DCB	13DCB	14DCB	Total CB's	Chlorobenzene	12DCB	13DCB	14DCB	Total CB's	Chlorobenzene	12DCB	13DCB	14DCB	Total CB's	2A Base	2B Base	2C Base	Dec-03	2A Base	2B Base	2C Base	Nov2002
196GW006	20600	24200	367	1040	46207	826	4770	60.8	183	5840	1930	6770	93.9	224	9013	198	1360	21	45	1644	198	1380	21	45	1644	198	1380	21	45	1644	40367	44563	44563	44563	87	494	96	96
009GW020	11500	1410	87.9	289	13287	13900	1330	84.7	264	15579	9200	1140	58.7	206	10605	16600	1140	104	487	18331	196	83.6	4.1	9.3	293	868	196	36	27.8	1128	(2292)	(5044)	12994	12159	(17)	(48)	98	92
009GW021	1870	3620	301	587	6378	4770	31200	1700	2970	40640	3310	6610	413	741	11074	8610	14900	1810	3160	28480	542	1800	137	209	2688	823	5010	281	496	6610	(34262)	(22102)	3690	(232)	(537)	(206)	58	(4)
009GW022	221	1520	78	157	1976	322	3520	126	201	4169	270	2890	87	164	3411	200	3300	114	207	3821	0.69	5.5	3.3	1.8	11	66	1250	39.2	68.6	1424	(2193)	(1645)	1965	552	(111)	(54)	99	28
GEL15	9020	19500	248	636	29404	7450	28300	345	770	36874	6100	17500	168	448	24216	730	2590	29.7	90.9	3440.6	397	4600	48	75	5120	502	3470	36	148	4156	(7470)	25963	24284	25248	(25)	107	83	86
196GW004	9470	20900	1150	2300	33820	6870	12800	449	988	21107	5000	17600	752	1350	24702	516	1380	82.7	156	2134.7	57.5	96.7	12.7	15	182	56	962	184	48	1248	12713	31685	33638	32572	38	128	99	98
196GW005	1370	9840	231	554	11995	175	4220	68.8	183	4647	347	15800	224	512	16883	500	9020	104	306	9930	6.9	38	6.2	17.2	68	2	207	19	138	366.1	7348	2065	11927	11629	61	12	99	97
196GW007	5780	12300	213	603	18896	8720	4200	93	268	13281	10200	6760	106	306	17372	1840	736	31	79.3	2686.3	8320	2530	68.6	173	11092	4040	2410	44.5	623	7118	5615	16210	7804	11779	30	93	41	62
196GW008	4500	9790	504	1220	16114	5980	15600	790	1700	24070	7750	4360	255	558	12923	4410	7410	791	1400	14011	573	832	60.3	96.4	1662	944	6440	351	167	7902	(7956)	2103	14452	8212	(49)	16	90	51
196GW009	2240	32800	2720	4950	42710	3650	42000	1820	3490	50960	3870	16600	723	1320	22513	7550	12100	945	1830	22425	163	3520	233	334	4250	1010	1740	89.7	3	2843	(8250)	20285	38460	39867	(19)	90	90	93
196GW010	3920	8990	175	437	13522	4560	3880	26.1	51.2	8517	1990	1780	42.1	93.9	3906	559	1420	19.1	46.4	2044.5	47.5	58.1	1.6	2.7	110	52	80	1.6	10	143.9	5005	11478	13412	13378	37	294	99	99
196GW011											28.7	18.8	0.86	1.9	50.28	102	17.5	5.8	3	128.3	431	16.7	19.6	5.6	473	629	27	7	0	662.9	NA	(76)	(423)	(613)	NA	(155)	(841)	(1218)
196GW012											13.1	15.3	5	0.54	33.94	0.98	2.1	5	0.76	8.84	2.5	28.6	2.3	1.5	35	0	1	5	973	979.8	NA	25	(1)	(946)	NA	74	(3)	(2787)
196GW013											8630	10200	110	306	19246	39.6	549	20.4	26.8	636	1640	2940	121	330	5031	22400	28200	347	2210	53157	NA	18610	14215	(33911)	NA	97	74	(176)
196GW014											6440	32500	1460	2670	43070	4400	19800	1080	2240	27520	5980	13000	819	1910	21709	5190	24600	1080	190	31060	NA	15550	21361	12010	NA	36	50	28
196GW015											15000	197	78.2	286	15541	648	49.3	125	23.8	846.1	2020	126	14.5	53.3	2214	11800	357	1250	5	134'2	NA	14695	13327	2129	NA	95	86	14
196GW016											65.2	258	7.2	25	355.4	1.3	27.4	0.55	0.91	30.16	1.2	13.5	5	0.46	20	2	7	5	0	13.89	NA	325	335	342	NA	92	94	96
196GW017											39.6	113	4	10	166.6	5	5	5	5	20	0.47	5	5	5	15	5	3	5	97	110.1	NA	147	151	57	NA	88	91	34
Percent Reduction																															3.68%	55.10%	80.82%	56.41%	5.37%	56.42%	82.14%	57.73%

Note: NA = Not Applicable



AOC Boundary
SWMU Boundary
Buildings
Zone Boundary
Zone H
Shoreline
Surrounding Area
Railroads
Fence
Roads

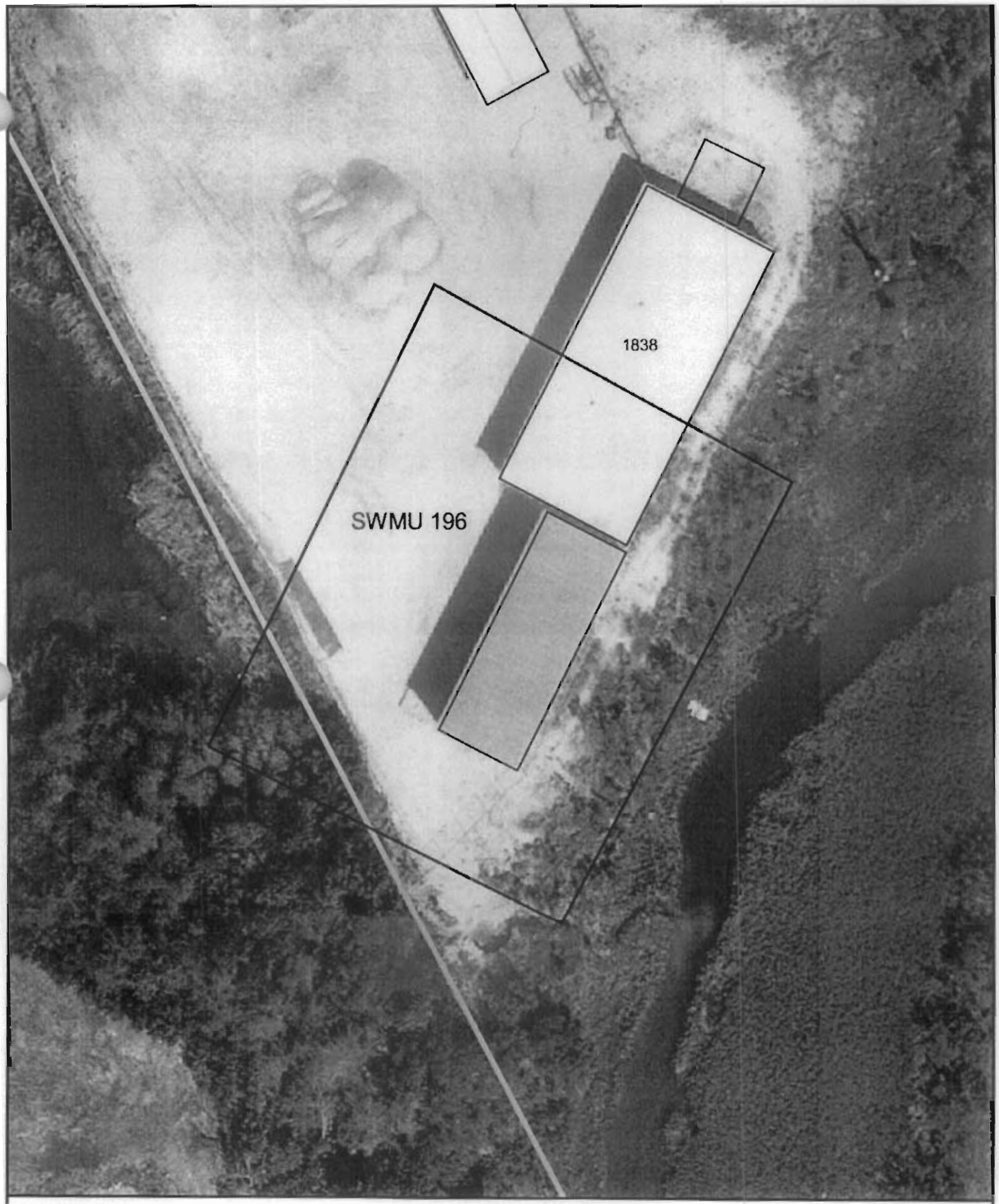
N

0 500 1000 Feet

Figure 1-1
Location of SWMU 196
Zone H
Charleston Naval Complex

CH2MHILL

File Path: C:\18gis\Projects\Zone_H\Swmu_196\Aprs\swmu_196.apr, Date: 06 May 2002 10:40, User: AHOLECEK, Figure 1-1 - Figure 1-1 Location of SWMU 196



SWMU Boundary
Buildings
Zone Boundary

N

0 30 60 Feet

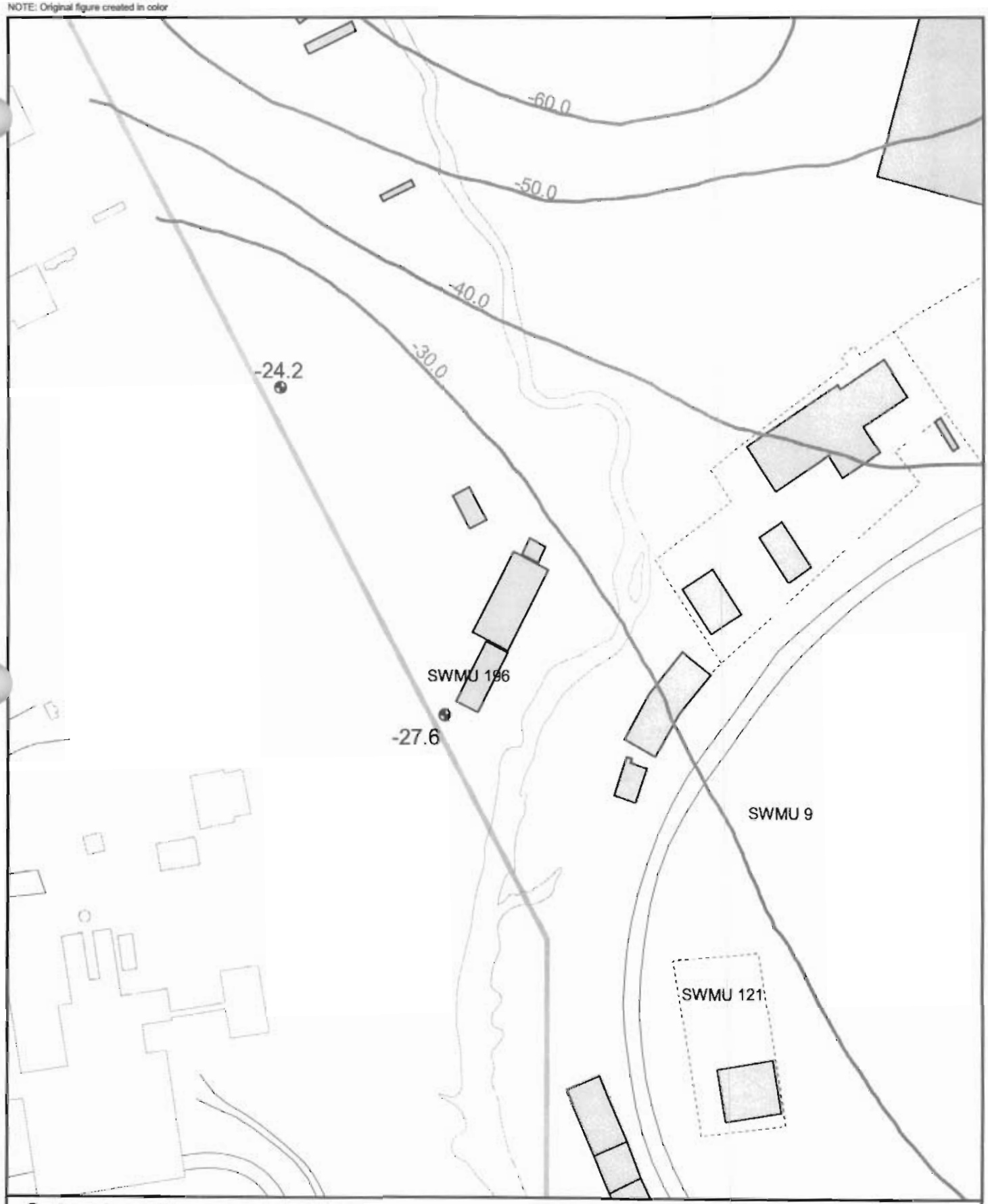
1 inch = 41.6667 feet

Figure 1-2
Aerial Photograph
SWMU 196, Zone H

CH2MHILL

File Path: C:\18g1s\Projects\Zone_H\Swmu_196\Aprs\swmu196_sec5.apr, Date: 16 Oct 2002 8:26, User: NMOUDRY, Figure 1-2 Aerial Photograph

NOTE: Original figure created in color



Groundwater Well
Top of Ashley Formation
Shoreline
SWMU Boundary
Buildings
Zone Boundary

N

0 40 80 Feet

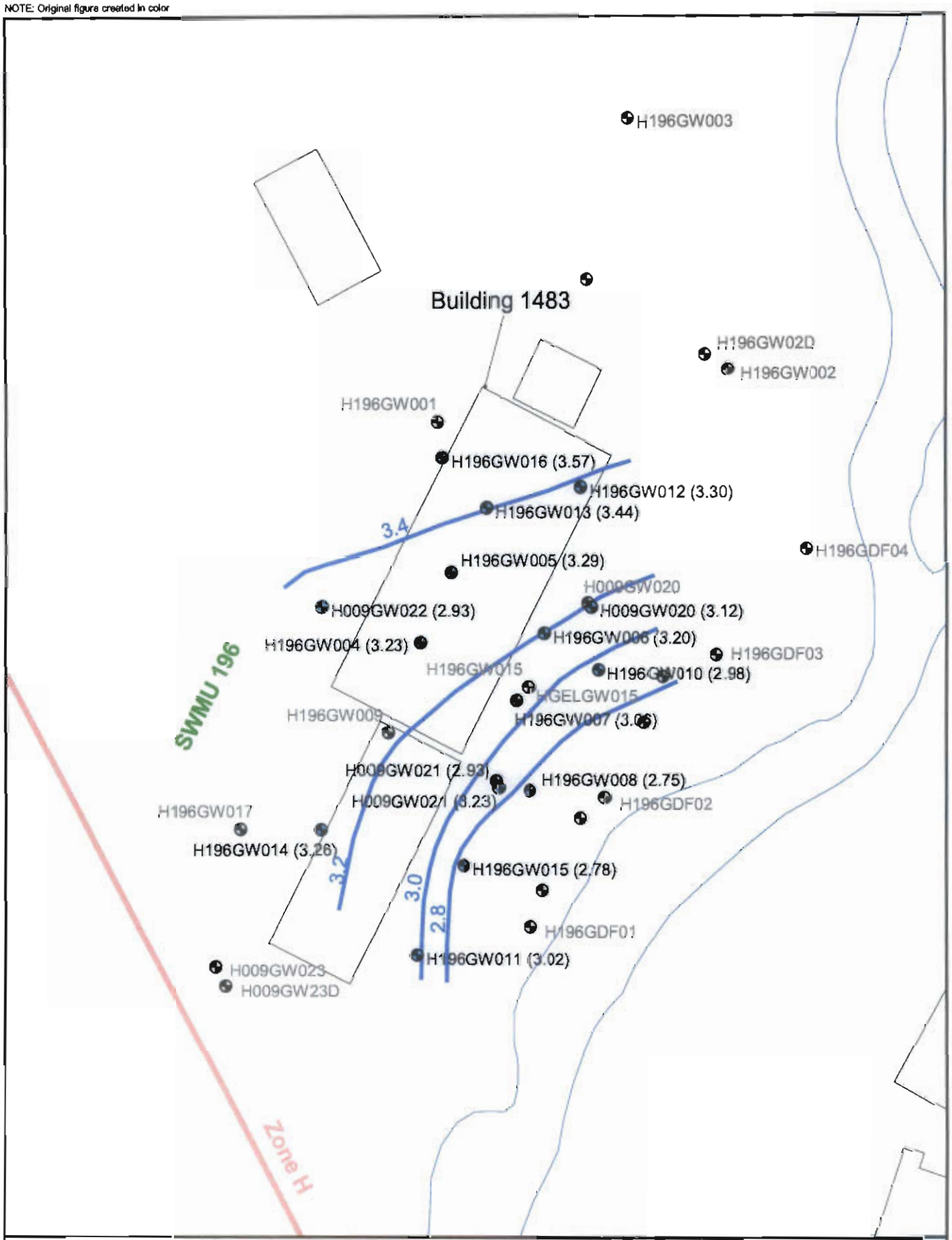
1 inch = 50 feet

Figure 1-3
Elevation of Top of the Ashley Formation
SWMU 196, Zone H
Charleston Naval Complex

CH2MHILL

File Path: C:\18gis\Projects\Zone_H\Swmu_196\Aprs\swmu196_sec5.apr, Date: 2 June 2003 9:27, User: JHenderson, Figure 1-3 Top of Ashley

NOTE: Original figure created in color



Sampled Groundwater Wells
Not Sampled Groundwater Wells
Groundwater Contours April 23, 2002.
( ) Groundwater Elevation in feet bls
Shoreline
Buildings
Zone Boundary
AOC Boundary
SWMU Boundary

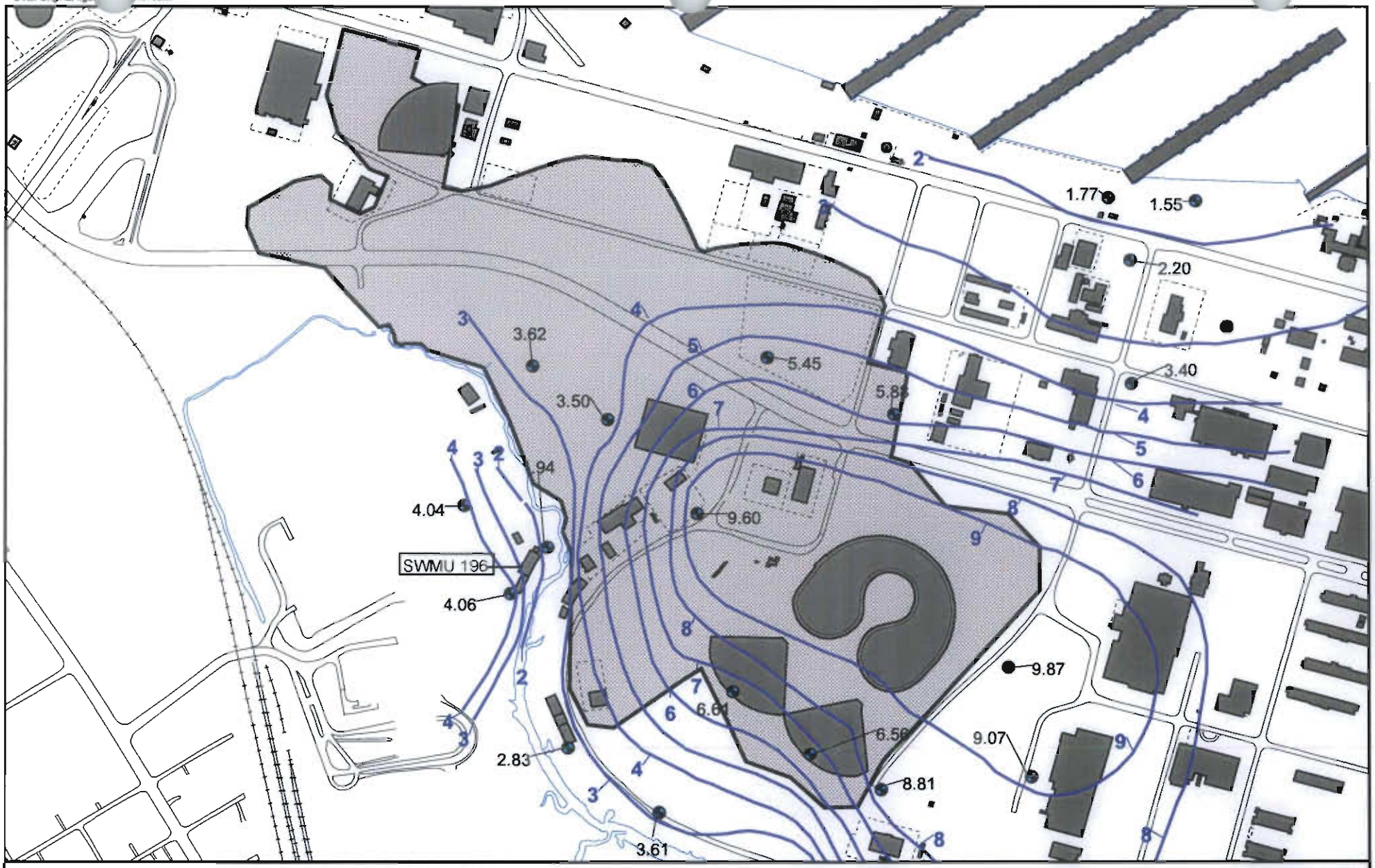
0 30 60 Feet

Figure 1-4
April 2002 Shallow Groundwater Potentiometric Contours
SWMU 196, Zone H
Charleston Naval Complex

CH2MHILL

File Path: C:\18gis\Projects\Zone_H\Swmu_196\April\swmu_196.apr, Date: 2 June 2003 9:33, User: JHenderson, Figure 1-4 Phase I Groundwater Potentiometric Contours

NOTE: Original figure is in color



Deep Water Level Elevation Contour (feet MSL)
Monitroing Well with Water Level Elevation (feet MSL)
Shoreline
Buildings and other structures
SWMU 9 Boundary

N

0 400 800 Feet

1 inch = 550 feet

Figure 1-5
Potentiometric Surface Map - Deep Groundwater
June 2, 2002
Combined SWMU 9, Zone H
Charleston Naval Complex

CH2MHILL

File Path: C:\18gis\Projects\Zone_H\Swmu_9\Aprs\swmu9_v2.apr, Date: 23 Jan 2003 20:54, User: DBEVERLY, EGIS: Charleston Naval Complex - Figure 2-9 Potentiometric Surface Map - Deep GroundwaterJune 2, 2002

FIGURE 1-6
Pre-Treatment and Post-Treatment 1,2-Dichlorobenzene Results (September/December 2002)

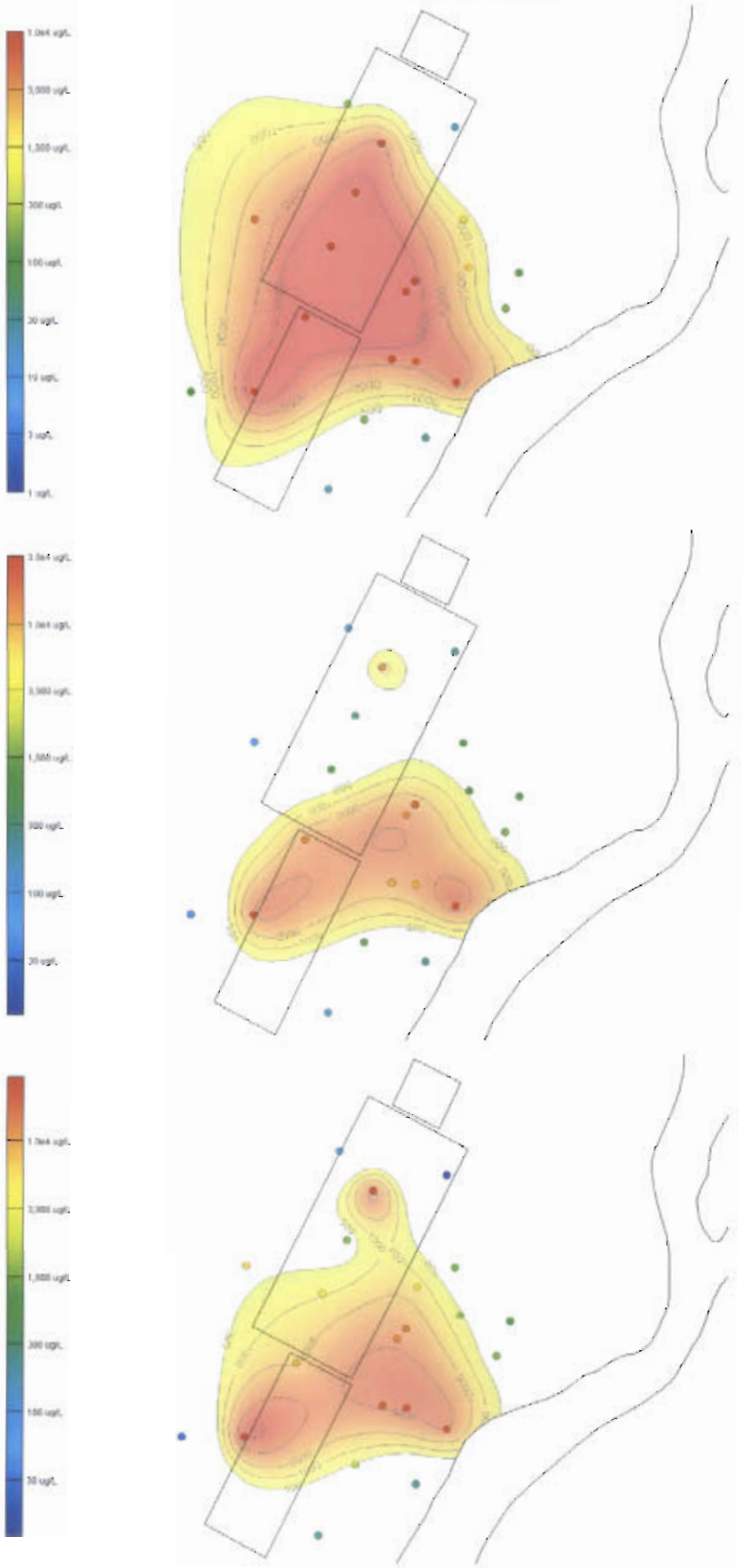


FIGURE 1-7
Pre-Treatment and Post-Treatment Chlorobenzene Results (September/December 2002)

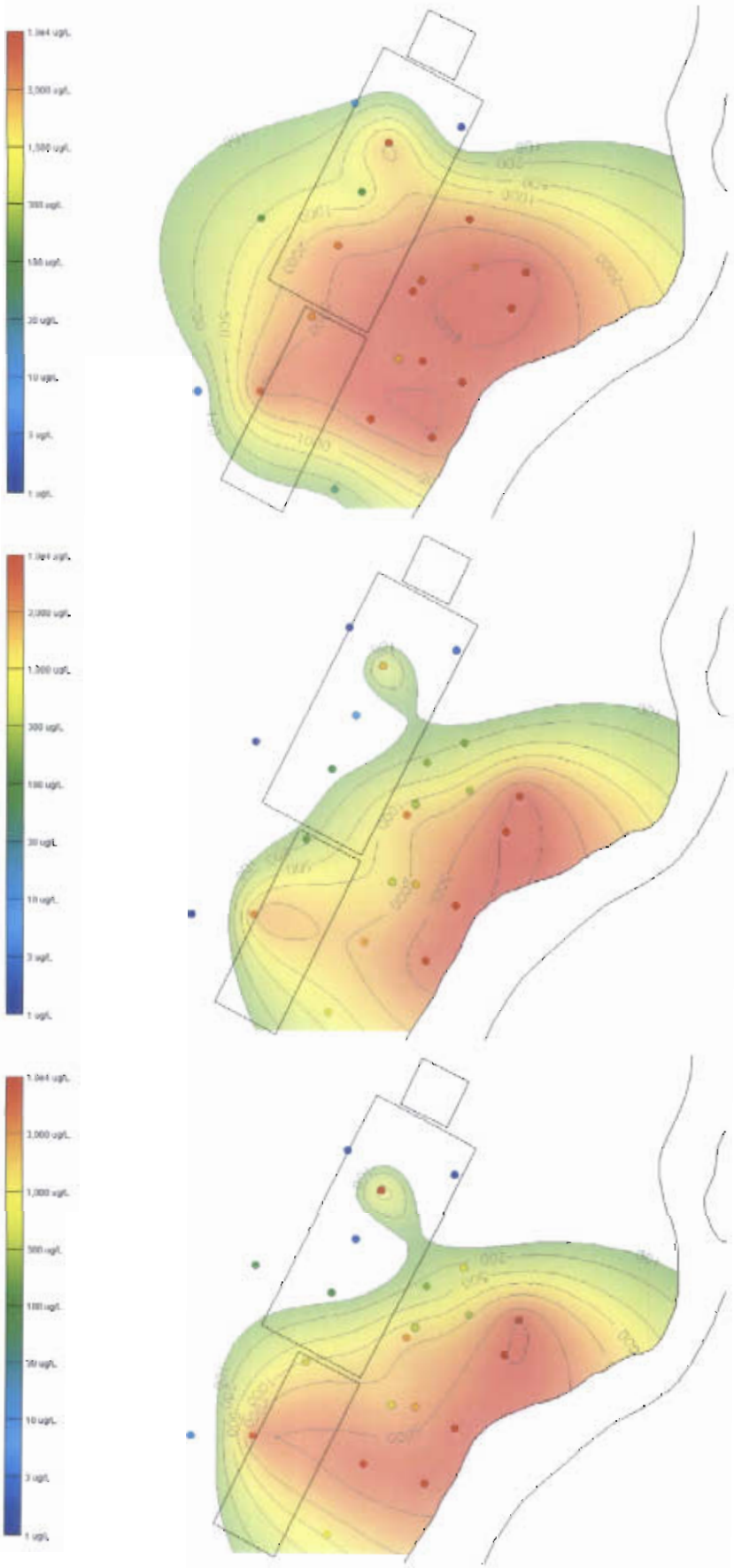


FIGURE 1-8
Pre-Treatment and Post-Treatment 1,3-Dichlorobenzene Results (September/December 2002)

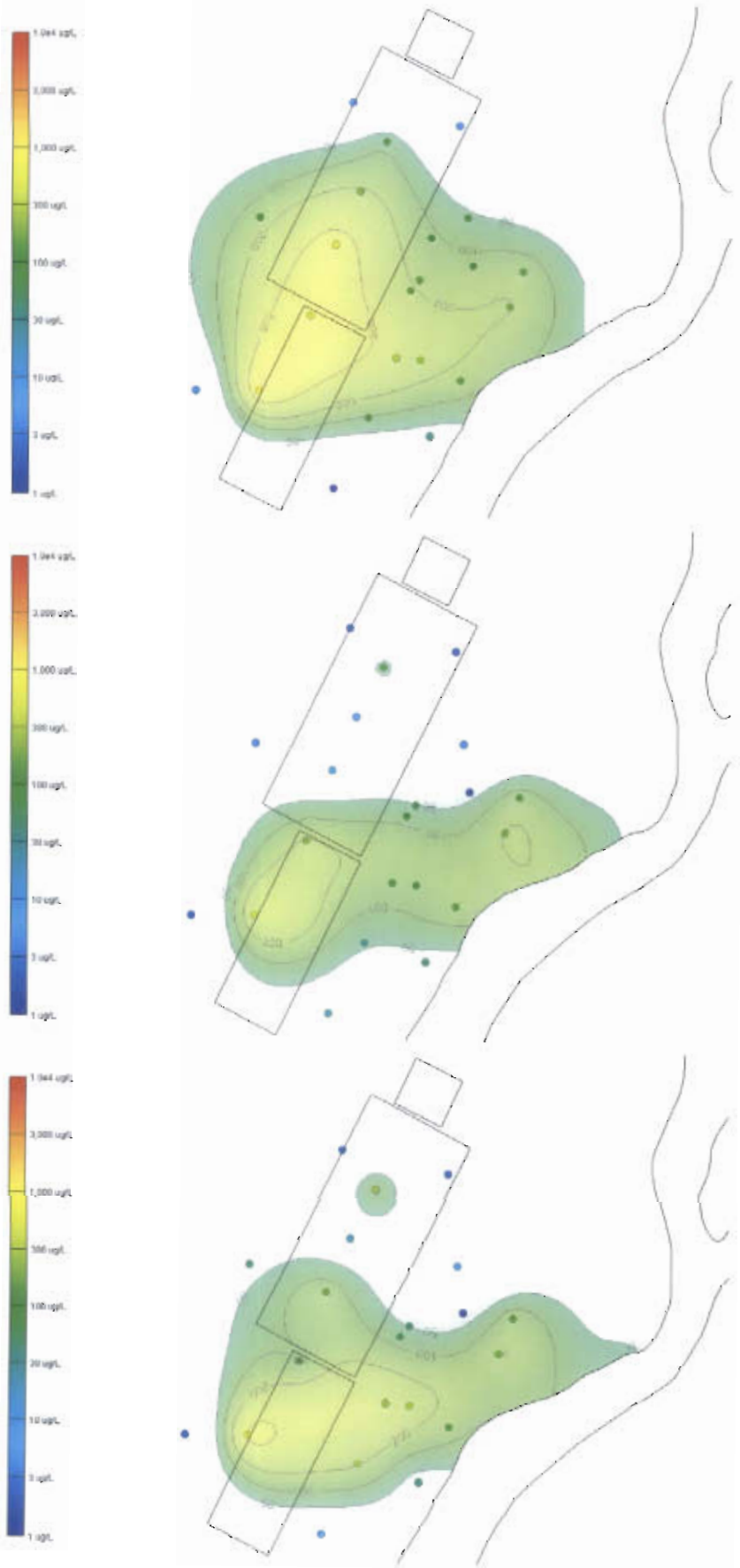


FIGURE 1-9
Pretreatment and Post-Treatment 1,4-Dichlorobenzene Results (September/December 2002)

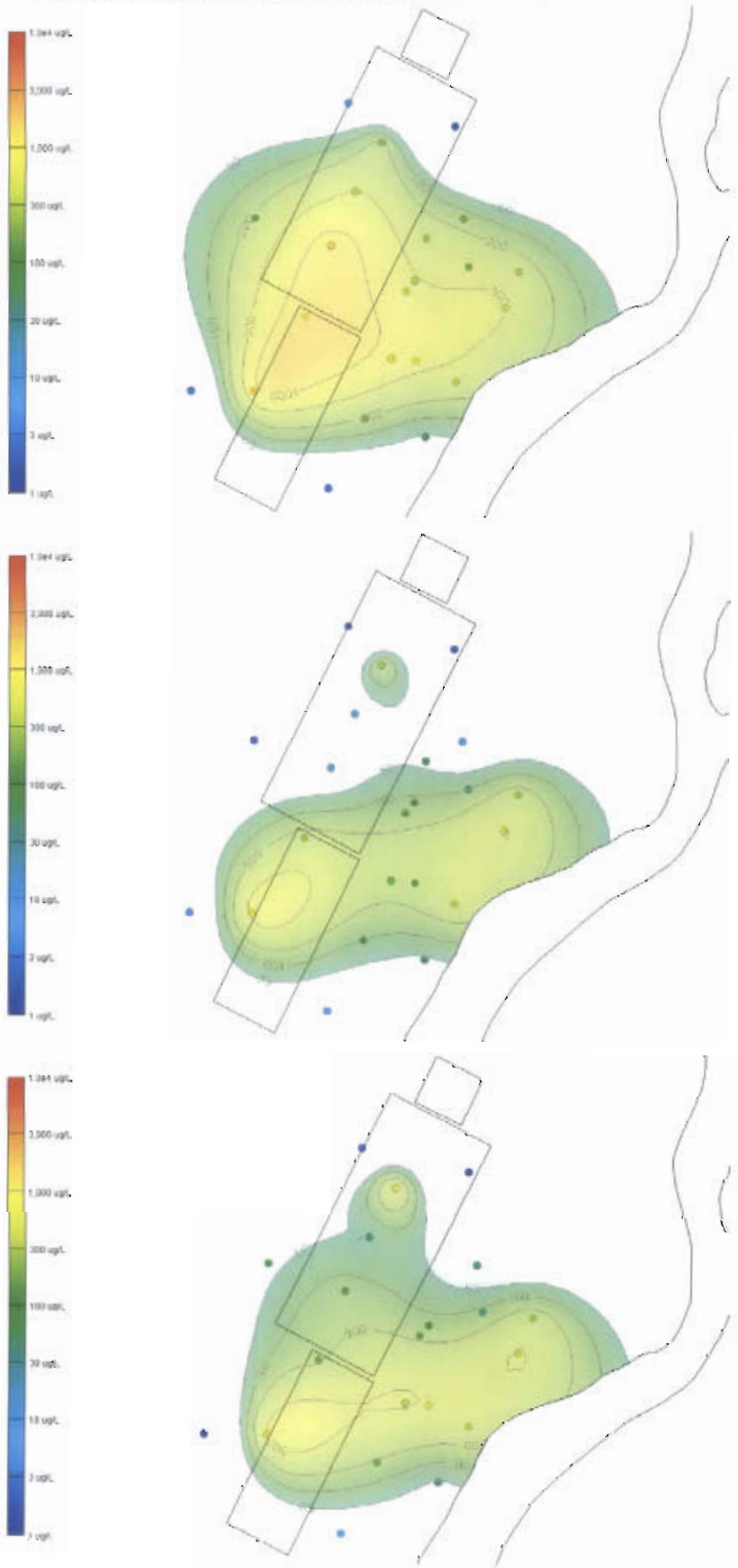
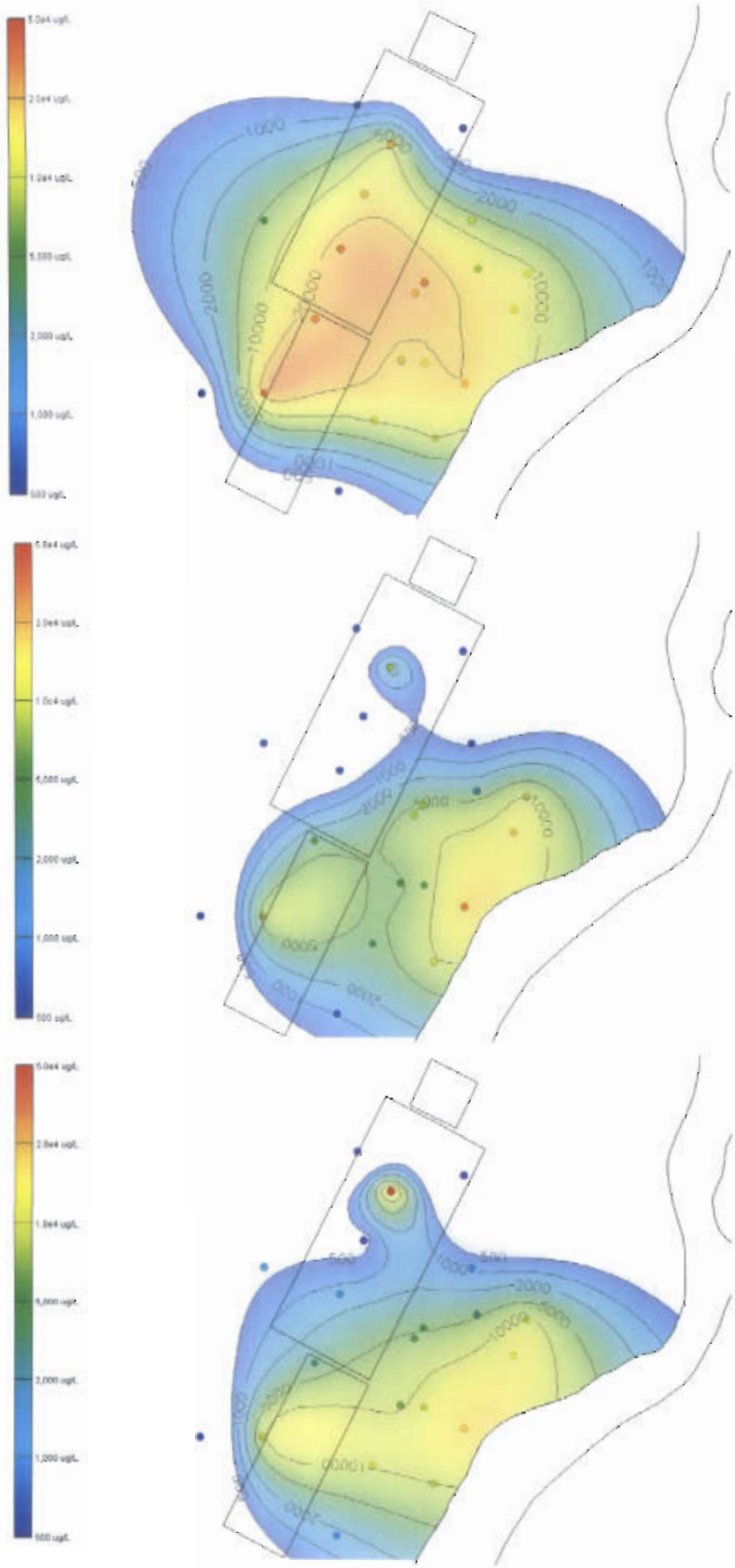
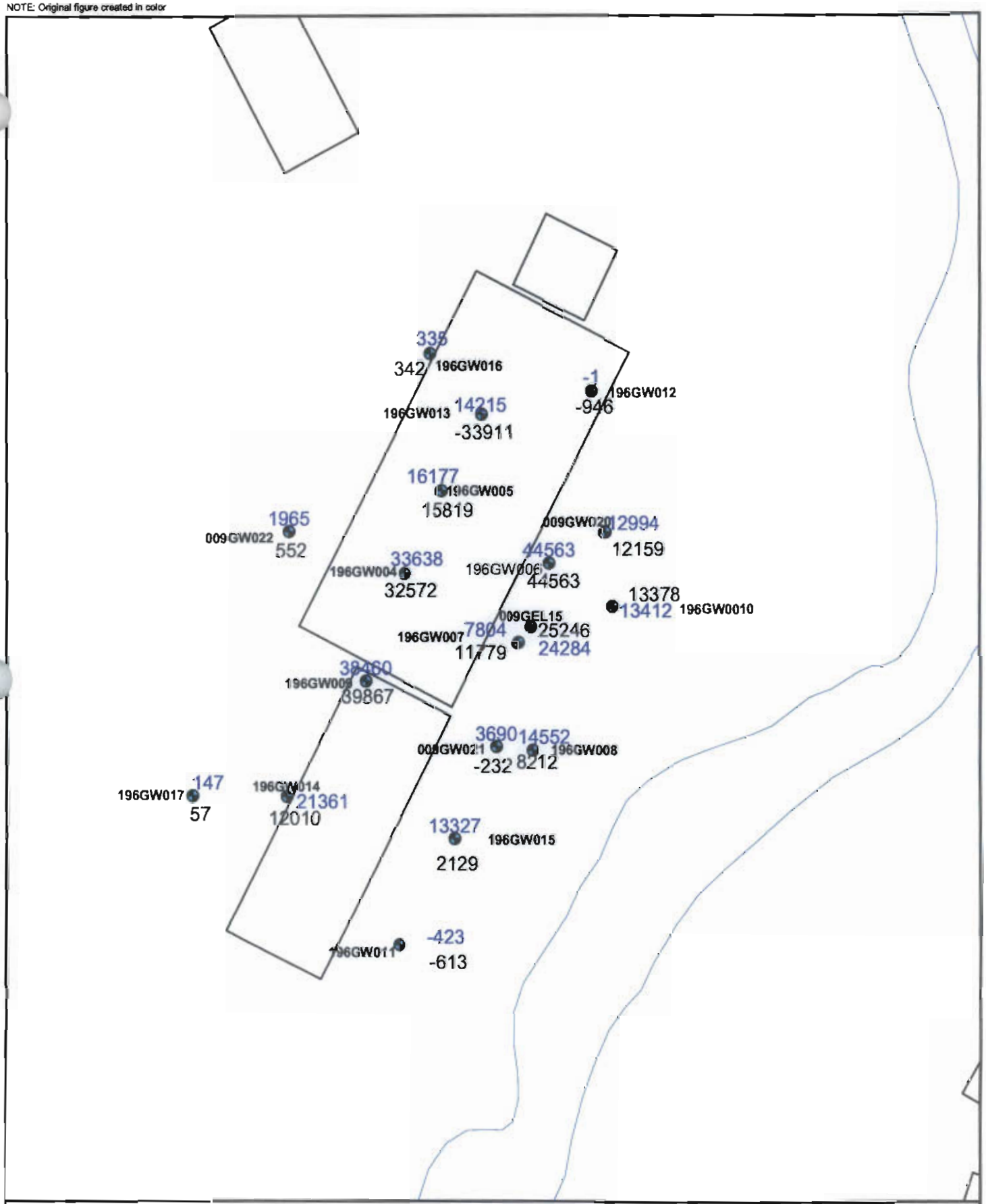


FIGURE 1-10
Pre-Treatment and Post-Treatment Total Chlorobenzene and Dichlorobenzenes Results (September/December 2002)



NOTE: Original figure created in color



● Monitoring Wells

Total Chlorobenzenes Removed (ppb)
Sept 2002 Removal - Blue Number
Dec 2002 Removal - Black Number

Shoreline

N

0 30 60 Feet

1 inch = 34.1927 feet

Figure 1-11
Total Chlorobenzenes Removed
SWMU 196, Through Dec 2002
Charleston Naval Complex

CH2MHILL

File Path: c:\18gis\projects\zone h\swmu 196\aprs\cms final.apr, Date: 15 May 2003 4:00, User: PFAVARA, CMS Figure x-6 Total Chlorobenzenes Removed

Section 2.0

2.0 Remedial Action Objectives and Proposed Media Cleanup Standards

This section discusses the RAOs of this CMS and presents the proposed MCSs for COCs in groundwater. Once the RAOs and MCSs are established, candidate remedial technologies and alternatives can be developed to meet these objectives. The following section identifies the evaluation criteria used in comparing the CMS alternatives.

2.1 Remedial Action Objectives

RAOs are environmental medium-specific goals that are created to protect human health and the environment by preventing or reducing exposures under current and future land use conditions. The RAOs identified for the groundwater at SWMU 196 are: 1) to prevent ingestion and direct/dermal contact with groundwater having unacceptable carcinogenic or non-carcinogenic risk, 2) to restore the aquifer to beneficial use, and 3) to control offsite migration of the COC plume in groundwater to preclude unacceptable impacts to ecological receptors in Shipyard Creek.

2.2 Remedial Goal Options and Proposed Media Cleanup Standards

Throughout the process of remediating a hazardous waste site, a risk manager uses a progression of increasingly acceptable site-specific media levels in considering remedial alternatives. RGOs and MCSs under RCRA are developed at the end of the risk assessment in the RFI/Remedial Investigation (RI)/State programs.

RGOs can be based on a variety of criteria, such as specific Incremental Lifetime Cancer Risks (ILCRs) (e.g., 1E-04, 1E-05, or 1E-06), hazard index (HI) levels (e.g., 0.1, 1.0, 3.0), or site background concentrations. For a particular RGO, specific MCSs can be determined as target concentration values. Achieving these MCSs is accepted as demonstrating that RGOs and RAOs have been achieved. Achieving these goals results in the protection of human health and the environment, while achieving compliance with applicable state and federal standards.

2.2.1 Site Selection of Areas A and B at SWMU 196

Prior to developing MCSs, SWMU 196 was divided into two separate areas. Each area was assigned different MCSs, based on the specific RGO for that area. These areas, labeled Areas A and B, are depicted in Figure 2-1. Area A includes the portion of the area of groundwater contamination at which MCSs are assigned to be protective of human health. This area includes the upland portion of the site on which Building 1838 is located, as well as the area around and behind the building where VOC-impacted groundwater has been identified.

Area B is intended to protect surface water quality in Shipyard Creek. This area includes the lower-elevation area east of Building 1838 within the tidally impacted boundaries of the creek beneath which VOC-impacted groundwater has been identified. Because this area is within the creek boundaries, it is expected that no future drinking water wells would be installed in this area.

2.2.2 MCSs Selected for Areas A and B

For COCs within Area A, preliminary MCSs were selected from the U.S. Environmental Protection Agency (EPA) Region III risk-based concentration (RBC) tables (EPA, 2000) and established drinking water maximum contaminant levels (MCLs). For COCs within Area B, MCSs are based on chronic aquatic saltwater criteria. Table 2-1 contains a summary of potential MCSs identified for the various COCs, as was presented in the CMSWP (CH2M-Jones, 2002).

As previously indicated, a variety of MCSs can be based on target carcinogenic risk levels ranging between 10E-06, 10E-05, and 10E-04; target HIs ranging between 0.1, 1, and 3; or background concentrations. These target MCSs are estimated for industrial or unrestricted (i.e., residential) land use. It is also important to specify the assumed land use and exposure conditions in the RGOs. For SWMU 196, the future land use is industrial.

Nineteen compounds (1,2-DCB, 1,2-dichlorethene [1,2-DCE] [total], 1,3-DCB, 1,4-DCB, 1,2,4-trichlorobenzene [1,2,4-TCB], 2-chlorophenol, acetone, benzene, carbon disulfide, cadmium, chlorobenzene, chloroform, dibromochloromethane, methylene chloride, naphthalene, PCE, toluene, TCE, and vinyl chloride) were identified as COCs in groundwater at SWMU 196. In Area A, MCLs are the primary MCSs for groundwater RGOs. In the absence of an MCL, the EPA Region III tap water RBCs and CNC background levels were selected as MCSs, with target cancer risk ranges between 10E-06 and 10E-04, and HI ranges between 0.1 and 3.0, for residential (potable) use. MCLs are applied to public water supply wells, which are typically completed in deeper aquifers. Table 2-1 provides a preliminary list of the groundwater RGO

values that were presented in the CMSWP portion of the RFIRA/IMCR/CMSWP. MCSs were selected from this list of RGOs.

For Area A, the following rationale was used to select an MCS:

- For constituents with a promulgated primary MCL, the MCL will be the MCS for that constituent.
- For constituents without a promulgated MCL (acetone, carbon disulfide, and 2-chlorophenol), the MCS was the value which corresponds to an HI of 3.0. This HI value was considered protective of human health because the site is, and is projected to remain, an industrial site. Because the site will be used for industrial purposes, land use controls (LUCs) can be implemented to prevent installation of potable groundwater wells.

Table 2-2 presents the proposed MCSs for groundwater for Area A.

The data from the most recent round of groundwater samples, collected from SWMU 196 in December 2002, are referenced in Table 1-1. Many COCs were not detected, possibly due to the high concentrations of chlorobenzene and dichlorobenzene isomers reported. Chlorobenzene and dichlorobenzene were reported in the highest concentrations in SWMU 196.

The remaining COCs were present at concentrations exceeding MCSs at a smaller number of wells. Two COCs (cadmium and 2-chlorophenol) were only target analytes at wells where their concentrations previously exceeded screening criteria. In the December 2002 sampling data, these COCs were not detected above their MCSs for Area A.

For Area B, the following rationale was used to select an MCS:

- Area B represents a marsh-type area that is inundated daily with tidal water. Given this, it is impractical to consider that this area could be used for installation of a potable groundwater well. As a result, the MCSs in Area B should be established to prevent surface water in Shipyard Creek from being contaminated at levels above chronic saltwater toxicity criteria.

The calculations presented in Appendix C indicate that the initial dilution rate of groundwater discharging from Area B into Shipyard Creek (within a 0.1-ft-deep mixing zone at the creek bottom) is approximately 0.01 percent, or for every gallon of groundwater discharged to Shipyard Creek, it is initially diluted by about 10,000 gallons of surface water in Shipyard Creek. It should be noted that substantial additional dilution occurs quickly

after the initial dilution as the water in the mixing zone is further mixed with the much greater volume of surface water that flows through the creek. Based on this initial dilution rate, the chronic saltwater criterion presented in Table 2-2 was multiplied by the dilution factor (i.e., 10,000) to derive an MCS for groundwater in Area B. Basing the MCS on the initial dilution that occurs only in the mixing zone is a conservative approach and may over-estimate potential surface water concentrations from the slow discharge of groundwater into Shipyard Creek. For constituents with no chronic saltwater toxicity criteria, no MCS is recommended.

Table 2-2 presents the proposed MCS for groundwater for Area B. None of the VOC concentrations measured in groundwater for SWMU 196 exceed any of the MCSs for Area B. Therefore, active remediation of groundwater in Area B is not recommended. However, corrective measures conducted to address VOC contamination within Area A are expected to lead to a decrease in VOC concentrations over time in Area B.

TABLE 2-1
Remedial Goal Options for Groundwater at SWMU 196
Corrective Measures Study Report, SWMU 196, Zone H, Charleston Naval Complex

				Human Health RBC			Human Health RBC			AquaticCriteria[a]	
				Based on Noncarcinogenic Risks			Based on Carcinogenic Risks			Saltwater	
	Minimum	Maximum	MCL	0.1	1	3	1E-6	1E-5	1E-4	Chronic	Acute
COC	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
Acetone			NA	61	610	1,830	--	--	--	NA	NA
Cadmium			5	1.8	18	54	--	--	--	9	43
Carbon Disulfide			NA	100	1,000	3,000	--	--	--	NA	NA
2-Chlorophenol			NA	3	30	90	--	--	--	NA	NA
1,2-Dichlorobenzene			600	27	270	810	--	--	--	19.7	197
1,3-Dichlorobenzene			600[b]	18	180	540	--	--	--	29	285
1,4-Dichlorobenzene			75	--	--	--	0.47	4.7	47	20	199
1,2,4-Trichlorobenzene			70	1	7	22	--	--	--	5	45
Benzene			5	--	--	--	0.32	3	32	109	1,090
Chlorobenzene			100	11	110	330	--	--	--	105	1,050
Chloroform			80	--	--	--	2.1	21	210	815	8,150
1,2-Dichloroethene			70[c]	6.1	61	183	--	--	--	NA	NA
Dibromochloromethane			80	--	--	--	0.13	1.3	13	NA	NA
Methylene chloride			5	--	--	--	4.1	41	410	2,560	25,600
Naphthalene			0.2[d]	0.65	6.5	20	--	--	--	24	235
Tetrachloroethene (PCE)			5	--	--	--	0.63	6.3	63	45	450
Toluene			1,000	75.0	750	2,250	--	--	--	37	370

TABLE 2-1
Remedial Goal Options for Groundwater at SWMU 196
Corrective Measures Study Report, SWMU 196, Zone H, Charleston Naval Complex

				Human Health RBC Based on Noncarcinogenic Risks			Human Health RBC Based on Carcinogenic Risks			AquaticCriteria[a] Saltwater	
COC	Minimum (µg/L)	Maximum (µg/L)	MCL (µg/L)	0.1 (µg/L)	1 (µg/L)	3 (µg/L)	1E-6 (µg/L)	1E-5 (µg/L)	1E-4 (µg/L)	Chronic (µg/L)	Acute (µg/L)
Trichloroethene (TCE)			5	--	--	--	0.03	0.3	3	NA	NA
Vinyl Chloride			2	--	--	--	0.015	0.15	2	NA	NA

Values are presented in micrograms per liter (µg/L).

[a] These remedial goal options (RGOs) apply to surface water and groundwater in boundary wells along Shipyard Creek.

[b] Value for 1,3-dichlorobenzene is based on 1,2-dichlorobenzene.

[c] 1,2-DCE is assumed to be a cis-isomer.

[d] The value for naphthalene is based on benzo[a]pyrene (polycyclic aromatic hydrocarbons (PAHs).

"--" indicates the compound was not identified as a COC through this pathway.

COC Chemical of concern

MCL Maximum contaminant level

NA Not available

RBC Risk-based concentration

TABLE 2-2
Chemicals of Concern for Areas A and B at SWMU 196
Corrective Measures Study Report, SWMU 196, Zone H, Charleston Naval Complex

	Area A					Area B	
COC	MCS Value (µg/L)	Range Reported (µg/L) Minimum	Range Reported (µg/L) Maximum	Groundwater Status (December 2002)	Basis for MCS	Aquatic Saltwater Chronic (µg/L)	Chronic Saltwater Criteria Accounting for Mixing of Groundwater with Surface Water[a]
Acetone	1,830	10U	2,500 U	Not Detected	RBC for HI of 3	NA	NA
Cadmium	5	3.1J	3.1J	Only well sampled	MCL	NA	NA
Carbon Disulfide	3,000	5 U	2,500 U	Not Detected	RBC for HI of 3	NA	NA
2-Chlorophenol	90	12.8	12.8	Only well sampled	RBC for HI of 3	19.7	900,000
1,2-Dichlorobenzene	600	1.3	34,800	6 of 15 wells exceed MCL	MCL	29	6,000,000
1,3-Dichlorobenzene	600	5	1,490	3 of 17 wells exceed MCL	MCL	20	6,000,000
1,4-Dichlorobenzene	75	5	2,590	10 of 17 wells exceed MCL	MCL	5	750,000
1,2,4-Trichlorobenzene	70	5 U	2,500 U	Not Detected	MCL	109	700,000
Benzene	5	5 U	2,610	5 of 17 wells exceed MCL	MCL	105	50,000
Chlorobenzene	100	5 U	22,400	10 of 17 wells exceed MCL	MCL	815	1,000,000
Chloroform	80	5 U	2,500 U	Not Detected	MCL	NA	NA
1,2-Dichloroethene	70	5 U	2,500 U	Not Detected	MCL	NA	NA
Dibromochloromethane	80	5 U	2,500 U	Not Detected	MCL	2,560	800,000
Methylene Chloride	5	5 U	2,500 U	2 of 17 wells exceed MCL	MCL	24	50,000
Naphthalene	0.2	0.97 J		Only well sampled	MCL	45	2,000
PCE	5	5 U	2,500 U	2 of 17 wells exceed MCL	MCL	37	50,000
Toluene	1,000	5 U	2,500 U	Not Detected	MCL	NA	NA

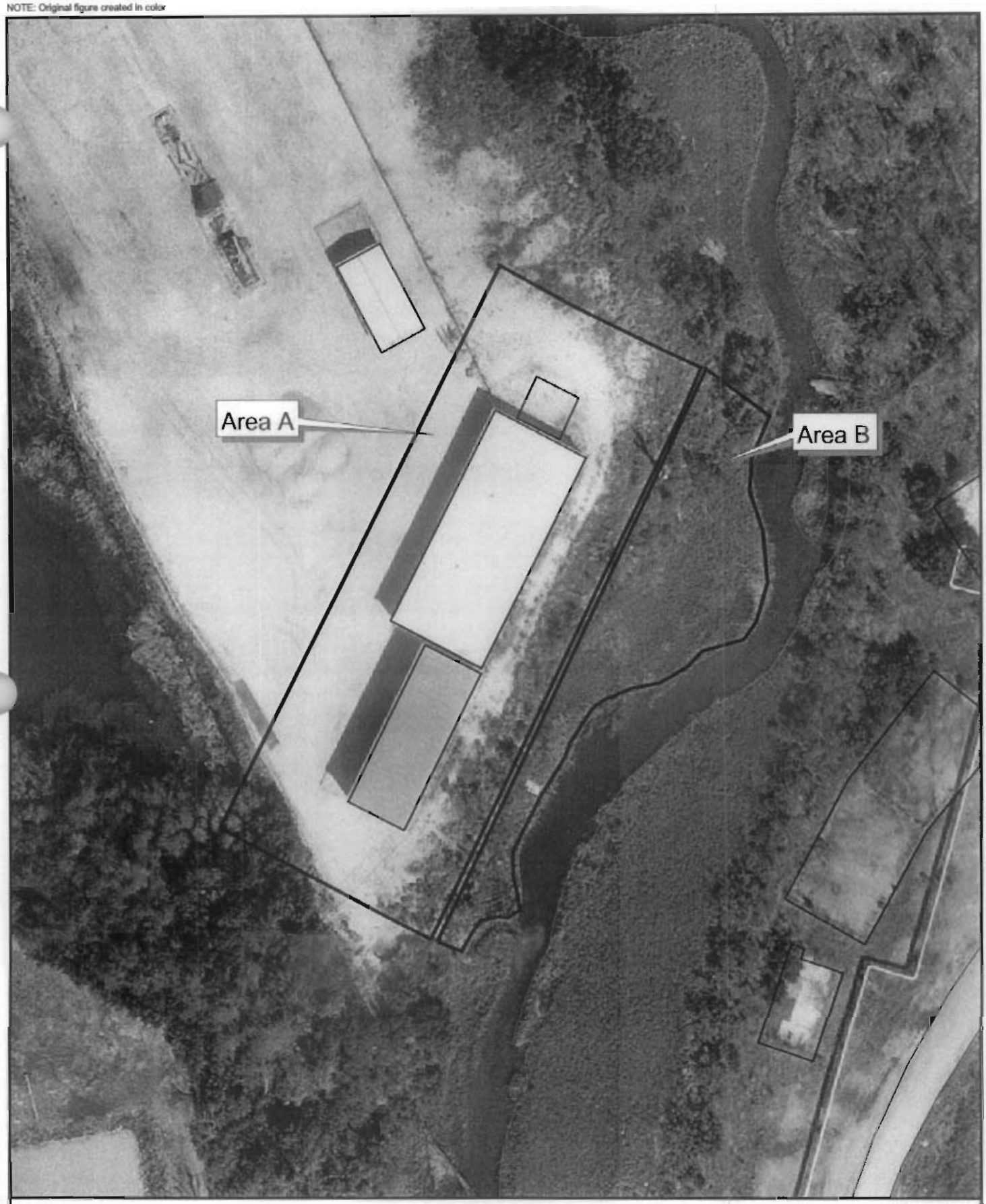
TABLE 2-2
Chemicals of Concern for Areas A and B at SWMU 196
Corrective Measures Study Report, SWMU 196, Zone H, Charleston Naval Complex

	Area A					Area B	
COC	MCS Value (μg/L)	Range Reported (μg/L) Minimum	Range Reported (μg/L) Maximum	Groundwater Status (December 2002)	Basis for MCS	Aquatic Saltwater Chronic (μg/L)	Chronic Saltwater Criteria Accounting for Mixing of Groundwater with Surface Water[a]
TCE	5	5 U	2,500 U	1 of 17 wells exceed criteria	MCL	NA	NA
Vinyl Chloride	2	1 J	5,000 U	1 of 17 wells exceed criteria	MCL	NA	NA

[a] Aquatic Saltwater Chronic Criteria accounting for flux of groundwater with surface water at Shipyard Creek (approximately 0.01%).

COC Chemical of concern
HI Hazard index
J Indicates an estimated value. One or more quality control (QC) parameters were outside the control limits or the value was detected below the laboratory's quantification limit.
MCL Maximum contaminant level
MCS Media cleanup standard
NA Not applicable/not available
PCE Tetrachloroethene
RBC Risk-based concentration
TCE Trichloroethene
U Indicates that the concentration was not detected.
μg/L Microgram per liter

NOTE: Aerial Photo Date is 1997
NOTE: Original figure created in color



Area B MCS
Area A MCS

N

0 40 80 Feet

1 inch = 57.6465 feet

Figure 2-1
Area A and B MCS
SWMU 196
Charleston Naval Complex

CH2MHILL

File Path: c:\18gis\projects\zone_f\swmu_196\aprs\cms final.apr, Date: 30 May 2003 9:47, User: PFAVARA, EGIS: Charleston Naval Complex - Figure 2-1 Area A and B MCS

Section 3.0

3.0 Overall Approach for Evaluating Focused Alternatives for SWMU 196

3.1 Corrective Measure Alternatives Evaluation Criteria

According to the RCRA permit issued by SCDHEC (SCDHEC, 1998), corrective measure alternatives are evaluated based on the following five criteria:

1. Protect human health and the environment.
2. Attain MCSs, which will generally be the RGOs.
3. Control the source of releases to minimize future releases that may pose a threat to human health and the environment.
4. Comply with applicable standards for the management of wastes generated by remedial activities.
5. Other factors include (a) long-term reliability and effectiveness; (b) reduction in toxicity, mobility, or volume of wastes; (c) short-term effectiveness; (d) implementability; and (e) cost.

The five criteria are discussed below:

3.1.1 Protect Human Health and the Environment

The alternatives were evaluated on the basis of their ability to protect human health and the environment. The ability of an alternative to achieve this criterion may or may not be independent of its ability to achieve the other standards. For example, an alternative may be protective of human health, but may not be able to attain the MCSs if the MCSs are not directly tied to protecting human health.

3.1.2 Attain MCSs

The alternatives were evaluated on the basis of their ability to achieve the RGOs defined in the CMS Work Plan for SWMU 196 (CH2M-Jones, 2002b). Another aspect of this criterion is the time frame to achieve the RGOs.

3.1.3 Control the Source of Releases

This standard deals with the control of releases of contamination from the source (the area in which the contamination originated).

3.1.4 Comply with Applicable Standards for Management of Wastes

This criterion deals with the management of wastes derived from implementing the alternatives; for example, treatment or disposal of well cuttings, contaminated groundwater, or excavated material from a source area.

3.1.5 Other Factors

Five other factors are to be considered if an alternative is found to meet the four criteria described above. These other factors are as follows:

a. Long-term reliability and effectiveness

The various alternatives are evaluated on the basis of their reliability, and the potential impact should the alternative fail. In other words, a qualitative assessment is made as to the chance of the alternative's failing and the consequences of that failure.

b. Reduction in the toxicity, mobility, or volume of wastes

Alternatives with technologies that reduce the toxicity, mobility, or volume of the contamination are generally favored over those that do not. Consequently, a qualitative assessment of this factor is performed for each alternative.

c. Short-term effectiveness

Alternatives are evaluated on the basis of the risk they create during implementation. Factors that may be considered include fire, explosion, and exposure of workers to hazardous substances.

d. Implementatiblity

The alternatives are evaluated by considering any difficulties associated with implementation (such as the construction disturbances they may create), operation of the alternatives, and the availability of equipment and resources to implement the technologies comprising the alternatives.

e. Cost

A net present value of each alternative is developed. These cost estimates are used for the relative evaluation of the alternatives, not to bid or budget the work. The estimates are based on information available at the time of the CMS and on a conceptual design of the alternative. They are "order-of-magnitude" estimates with a generally expected accuracy of -30 percent to +50 percent for the scope of action described for each alternative. The estimates are categorized into capital costs and operations and maintenance costs for each alternative.

Section 4.0

4.0 Description of Candidate Corrective Measure Alternatives

This section presents the identification and description of candidate corrective measure alternatives for remediation of groundwater at SWMU 196.

4.1 Evaluation Approach

Currently available groundwater remedial technologies were screened for applicability to contaminants and physical conditions present at SWMU 196; only viable remedial technologies known for effective treatment of the COCs were selected for consideration. Detailed analyses of these technologies provide the rationale to support the selection of the recommended corrective measure alternatives. A detailed analysis of corrective measure alternatives is presented in Section 4.0 of this report. Each alternative was analyzed using the evaluation criteria outlined in Section 2.3.

4.2 Description of Alternatives

The CMSWP for SWMU 196 (CH2M-Jones, 2002) presented the following as candidate technologies for remediation of groundwater at SWMU 196:

- Land Use Controls (LUCs)
- Monitored Natural Attenuation (MNA) with LUCs
- In Situ Chemical Oxidation
- In Situ Enhanced Biological Treatment
- Some Combination of the Above

Based on the above candidate technologies, the following three alternatives were developed for evaluation in this CMS:

Alternative 1 –MNA with LUCs

Alternative 2 – In Situ Chemical Oxidation with LUCs

Alternative 3 – In Situ Enhanced Biological Treatment with LUCs

LUCs are an integral component of all three alternatives, as none of the candidate alternatives alone can immediately reduce contaminant levels to MCSs.

4.3 Alternative 1 – Monitored Natural Attenuation with Land Use Controls

Natural attenuation is the reduction of chlorinated volatile organic compound (CVOC) concentrations by the natural processes present in the aquifer, including volatilization, hydrolysis, dilution, dispersion, adsorption, and biotic and abiotic degradation. The collective effect of these processes is termed "natural attenuation. MNA is a careful evaluation of natural attenuation mechanisms using monitoring. EPA has issued a Draft Final Office of Solid Waste and Emergency Response (OSWER) Directive on Monitored Natural Attenuation (EPA, 1998), in which the agency recognizes that MNA is appropriate as a remedial approach "where it can be demonstrated capable of achieving a site's remedial objectives within a time frame that is reasonable compared to that offered by other methods, and where it meets the applicable remedy selection criteria for that particular OSWER program." EPA clearly states its expectation that "monitored natural attenuation will be most appropriate when used in conjunction with active remediation measures (e.g., source control) or as a follow-up to active remediation measures that already have been implemented."

4.3.1 Description of the Alternative

In general, the MNA alternative consists of three major features:

- A designed monitoring program;
- A tracking and data evaluation program; and
- A contingency response plan in the event that the monitoring indicates downgradient migration of dissolved CVOCs.

Assuming that the source of the contamination is controlled or being treated, it is expected that the COC plume would slowly decrease in concentration as a result of natural attenuation. Because of the low contaminant migration velocity, declines in concentrations from the source control areas may not be seen immediately. Additional contingency remedies would be considered if natural attenuation indicates low performance as evidenced by non-declining concentrations over time.

4.3.2 Key Uncertainties

The key uncertainty for MNA for SWMU 196 is whether sufficient oxygen would be able to diffuse into the shallow aquifer to provide adequate electron acceptor for biodegradation. Based on available information, the shallow aquifer is generally oxygen-deficient. Thus, natural attenuation may take significant time to be effective.

4.4 Alternative 2 – In Situ Chemical Oxidation Using Fenton's Reagent with Land Use Controls

Oxidative treatment is advantageous as a remedial technology for chlorinated benzenes and ethenes because it is rapid and aggressive. In situ chemical oxidation is achieved by delivering chemical oxidants to contaminated media, resulting in the contaminants being completely oxidized into carbon dioxide (CO_2) or converted into innocuous compounds (such as chloride) commonly found in the subsurface. The most widely used oxidants include hydrogen peroxide (Fenton's reagent), potassium permanganate, and ozone.

4.4.1 Description of the Alternative

For SWMU 196, hydrogen peroxide is the preferred oxidant due to its successful application at the site previously and its pressure-delivery method. The chemistry involved is based upon Fenton's reagent. Fenton's reagent oxidizes organic contaminants to CO_2 and water, plus chloride (in the case of chlorinated compounds). A detailed description of Fenton's reagent chemistry was provided in the IMWP (CH2M-Jones, 2001) for the site.

During the previous IMs at SWMU 196, in situ chemical oxidation using Fenton's reagent was successfully applied. Therefore, the effectiveness of this process has been proven in the subsurface environment of SWMU 196. The chemical oxidation delivery method used for the IMs was the Geo-Cleanse® Process, which is a patented technology that simultaneously injects hydrogen peroxide and trace quantities of metallic salts under pressure to the subsurface to destroy organic contaminants in soil and groundwater. U.S. patents 5,525,008 and 5,611,642 protect the technology. The Geo-Cleanse® Process delivers a calculated charge of hydrogen peroxide and catalyst to the contaminated region via specially designed injection equipment consisting of mixing heads and subsurface injectors. The injection methodology and equipment are the keys to the Geo-Cleanse® Process.

Typically, multiple applications of this process are required to reduce contaminants to MCSs at sites with high levels of organic compounds in groundwater. This was the case with the IMs previously implemented at SWMU 196. Given that the MCSs will not likely be achieved immediately with this alternative, LUCs will be required to limit access to groundwater at the site.

Even after successive additional applications of chemical oxidation, residual contaminants not amendable to treatment by Fenton's reagent could remain in groundwater above MCSs. In this event, biological enhancements may be added to the system to promote microbial activity, thus reducing contaminant concentrations to levels that achieve the MCSs. For this

analysis, it has been assumed that this additional treatment will not be necessary. Rather, it would be considered a contingency in the alternative should it be required at some later time.

4.4.2 Key Uncertainties

The key uncertainty for in situ chemical oxidation is the degree to which rebound in the dissolved-phase concentration occurs at some time after implementation of the remedy. Rebound may be caused by several factors but is often associated with displacement of the dissolved contaminants or residual non-aqueous phase liquid (NAPL), which may continue to release dissolved contaminants. The degree to which rebound may occur is difficult or impossible to predict. Based on the previous rebound that occurred after implementation of the IM, additional rebound after further in situ chemical oxidation treatment must be considered possible.

4.5 Alternative 3: In Situ Enhanced Biological Treatment with Land Use Controls

In enhanced in situ biodegradation, electron donors, electron acceptors, or nutrients are introduced into the subsurface to accelerate the natural breakdown of organic compounds in groundwater by indigenous microbial populations. Enhanced biodegradation depends on the availability of the appropriate microbes in situ in sufficient quantities to respond to the introduction of nutrients at the treatment location.

4.5.1 Description of the Alternative

Chlorobenzene and dichlorobenzene, the major COCs present in groundwater at SWMU 196, are all naturally biodegradable via aerobic biological processes. Research has shown that chlorobenzene and dichlorobenzenes may biodegrade aerobically by a mechanism (metabolic pathway) similar to that of benzene, via formation of intermediate catechol compounds with subsequent ring cleavage and continued biodegradation of subsidiary breakdown products. Figures showing an aerobic biodegradation pathway of chlorobenzene and 1,4-dichlorobenzene are provided in Appendix D. These figures are from the University of Minnesota Biocatalysis/Biodegradation Database (see Section 6.0 for full reference). Other biodegradation pathways may also occur.

The in situ activity of aerobic microbes can be increased by the addition of dissolved oxygen (DO) into the site groundwater, stimulating rapid population growth of the microbes, which in turn increases the destruction rates of dissolved-phase hydrocarbon contaminants in the

groundwater. In some cases, concentrations of other nutrients (such as phosphorus or other chemicals) also have to be increased, though many enhanced aerobic biodegradation projects have been successful with effective addition of DO alone.

For the key COCs at this site (chlorobenzene and dichlorobenzenes), the rate-limiting factor for aerobic biodegradation is likely the concentration of DO in groundwater. The DO measured in site wells suggests that DO is generally low in site groundwater. DO concentrations in groundwater can be increased by a variety of technologies, including air sparging, placement of Oxygen Release Compounds in the subsurface or in wells, or other methods.

In order to estimate representative costs for implementing an enhanced in situ biodegradation process based on an aerobic biodegradation pathway, a DO delivery technology was selected as a basis for a conceptual approach. The selected DO delivery method is one that delivers high levels of DO to the groundwater via electrolytic cells placed in the wells. This process , referred to as Iso-Gen™ Technology, was developed by EnvironmentalH2O, Inc. The Iso-Gen™ system also includes a recirculation pump which pulls water from the aquifer into the well, forces it through the electrolytic cell, then back into the aquifer through the well screen. The electrolytic cell dissociates site water into hydrogen and oxygen. The hydrogen off-gas generated in the process is treated by a Raney nickel filter cap placed at the top of the well casing, and the oxygen generated goes into solution in the groundwater. A remote master controller unit converts alternating current (AC) to direct current (DC), which is used to power the pumps and electrolytic cells. Some manufacturer information about the Iso-Gen™ process is included in Appendix E.

The system can be utilized in existing monitoring wells with diameters of 2 inches or greater, or in new wells. Iso-Gen™ uses no chemical additives, does not generate water discharge at the surface, has minimal site impacts, requires no treatment area footprint, and has minimal operating costs.

The Iso-Gen™ units require a minimum 10-ft screen length in the wells, and good hydraulic connection to the aquifer materials to allow sufficient aquifer DO saturation levels. The radius of influence of the Iso-Gen™ system also depends on site-specific aquifer characteristics and hydraulic gradients, well characteristics, and horizontal well spacing. The typical radius of influence of the Iso-Gen™ system is approximately two times the available well screen length.

Of the 18 monitoring wells at SWMU 196, most have 10-ft screen lengths. It is anticipated that the current monitoring well system will be adequate to deliver the required oxygen throughout the contaminated area.

The prevailing water quality conditions in the aquifer will impact the effectiveness of the Iso-Gen™ system. If conditions are not favorable, scaling and corrosion of the electrolytic cell, pump, and screen can occur, resulting in downtime and increased operating costs. For sufficient DO saturation of the aquifer to be attained and maintained, the following aquifer conditions are preferred:

- Silica < 10 milligrams per liter (mg/L)
- Iron < 50 mg/L
- Total dissolved solids (TDS) < 2,000 mg/L
- Chemical oxygen demand (COD) < 500 mg/L
- Sulfate < 1,000 mg/L
- Chloride < 300 mg/L
- Hardness < 600 mg/L

A review of the available groundwater data for wells at SWMU 196 indicates that most of the inorganic parameters listed above have not been analyzed for. Given the proximity of Shipyard Creek to this site, some potential exists for the groundwater to have elevated levels of TDS and other parameters. Water quality samples should be collected from existing monitoring wells prior to implementation of this remedy to verify that site conditions are suitable for use of the Iso-Gen™ system.

Periodic groundwater monitoring will also be required as part of the Iso-Gen™ system alternative, and LUCs will be required to prevent exposure to groundwater until the MCS is met.

4.5.2 Key Uncertainties

Key uncertainties for this corrective measure include the potential radius of influence of the oxygen delivery system and the potential for clogging of the wells over time, with associated maintenance costs. The uncertainty related to radius of influence can be addressed by implementing the remedy in a phased manner or pilot testing. The potential for clogging can be assessed only after a period of operating the system.

Section 5.0

5.0 Detailed Analysis of Corrective Measure Alternatives

This section presents the detailed analysis of corrective measure alternatives for groundwater at SWMU 196.

5.1 Alternative 1 – Monitored Natural Attenuation with Land Use Controls

MNA would consist of the periodic monitoring of key monitoring wells at SWMU 196 for VOCs and selected MNA parameters. Because of the natural reaeration of groundwater that occurs via diffusion of atmospheric oxygen through the soil, DO is expected to slowly replenish the DO in groundwater and provide for biodegradation of the VOCs.

The MNA alternative would be implemented in conjunction with a long-term monitoring plan and source control alternative (which has already been implemented as part of an IM). The purpose of the monitoring plan is to monitor plume migration over time and to verify that natural attenuation is occurring. Assuming that the source of the contamination is controlled or has been treated, it is expected that the COC plume would slowly decrease in concentration as a result of natural attenuation. The selection of contingency remedies, in case natural attenuation indicates low performance, would be an integral part of the plan. MNA is the easiest alternative to implement and also the least expensive.

The assumptions for Alternative 1 include the following:

- A basewide LUC Management Plan (LUCMP) will be developed for the CNC. The plan will allow for restrictions on the use of groundwater at SWMU 196 and other areas, and will be developed outside the scope of this CMS.
- Periodic groundwater monitoring will be performed until results indicate that the natural attenuation is considered complete and COC concentrations are below MCLs, estimated at approximately 15 to 20 years at this site. Samples will be collected from as many as six groundwater wells on an annual basis, and will be analyzed for COCs. Selected MNA parameters will be analyzed as needed in the groundwater samples. Standard field parameters (DO, ORP, turbidity, temperature) will also be monitored. For cost estimating purposes, monitoring will be planned for a 20-year period.

5.1.1 Protection of Human Health and the Environment

This alternative would be effective at protecting human health because it would incorporate LUCs to prevent the ingestion of and direct contact with groundwater.

5.1.2 Attain MCS

This alternative could potentially attain the MCSs. However, the most significant contaminants at the site (chlorobenzene and dichlorobenzene isomers) can best be attenuated under aerobic conditions. The amount of oxygen in upgradient groundwater is expected to be limited and may not be adequate to induce substantive microbial degradation. Therefore, the time to achieve MCSs could be longer than typical sites where MNA is applied. For the purposes of this alternative, it has been assumed that 20 years would be required to achieve MCSs.

5.1.3 Control the Source of Releases

There are no ongoing sources of releases at SWMU 196.

5.1.4 Compliance with Applicable Standards for the Management of Generated Wastes

This alternative would not generate any wastes that require special management. The primary generated waste would be purge water from monitoring wells, which could be easily managed to applicable standards.

5.1.5 Other Factors (a) Long-term Reliability and Effectiveness

This alternative would have adequate long-term reliability and effectiveness, provided that adequate oxygen is available in upgradient groundwater to induce aerobic microbial degradation. In the event that there is inadequate oxygen to achieve substantive reduction in VOCs, additional corrective measures may be considered.

5.1.6 Other Factors (b) Reduction in the Toxicity, Mobility, or Volume of Wastes

This alternative relies on natural attenuation to reduce the toxicity, mobility, and volume of the contaminants via biodegradation.

5.1.7 Other Factors (c) Short-term Effectiveness

Through the implementation of LUCs, this alternative would have short-term effectiveness in preventing ingestion of or contact with the contaminated groundwater. No significant short-term risks would be created using this alternative.

5.1.8 Other Factors (d) Implementability

Alternative 1 would be easily implemented since it only requires the implementation of LUCs and an appropriate monitoring program.

5.1.9 Other Factors (e) Cost

Alternative 1 would be the least costly to implement since it requires no construction of treatment facilities or disposal of wastes. The significant component of cost for this alternative would be for the collection and analysis of samples during groundwater monitoring.

Using the assumptions described earlier, the total present value of this alternative is $113,000. Appendix F presents the overall cost estimate for implementing this remedy.

5.2 Alternative 2 – In Situ Chemical Oxidation Using Fenton's Reagent with Land Use Controls

With the exception of acetone and cadmium, all of the COCs at SWMU 196 are amendable to treatment using in situ chemical oxidation via Fenton's reagent. Cadmium was reported at a concentration less than the MCS in the last sampling event. Acetone can be removed as a result of any temporary aerobic conditions that would remain at SWMU 196 for the following months after treatment.

Application of in situ chemical oxidation for the designated source area would involve injection of Fenton's reagent into approximately the same area where the IM was completed. The IM was conducted between October 2001 and July 2002. A detailed discussion of the IM is presented in Section 6.0 of the Phase III RFIRA/IMCR/CMSWP (CH2M-Jones, 2002).

The existing injection system would be used at the site. This injection system includes 46 injection wells and 18 monitoring wells. Approximately 300 gallons would be injected per location with an anticipated duration of injection of 3 weeks. In situ chemical oxidation with its rapid reaction has a short residence time within the environment, creating a potential for auxiliary "polish" treatments. Typically, the oxidant remains in the environment for only a few hours once injected. As a result, the entire target treatment area could require additional polishing. Based on the significant rebound in dissolved-phase concentrations observed since implementation of the IMs using in situ chemical oxidation, it is expected that multiple applications would be required to achieve the target MCSs. The cost estimate assumes that up to three in situ chemical oxidation injection events would be required the first year followed by a "polishing" event annually for each of the following 3 years.

5.2.1 Protection of Human Health and the Environment

This alternative would be effective at protecting human health and the environment because it would incorporate LUCs to prevent the ingestion of and direct contact with groundwater during the period when groundwater VOC concentrations are greater than the MCS.

5.2.2 Attain MCS

This alternative may eventually achieve the MCS, though the time required cannot be determined. Three full-scale injections have been completed to date as part of IM activities. Overall, approximately 55 percent of the pretreatment chlorobenzene and dichlorobenzene concentrations have been reduced as measured in the dissolved phase. It is possible that a greater percentage of the total VOC mass, much of which may have been present as dense non-aqueous phase liquid (DNAPL), has also been destroyed. However, the practical extent of treatment achievable using this technology may have been achieved already; in this case, further applications of oxidant would yield limited permanent reduction in dissolved-phase concentrations.

If this alternative is implemented and does not achieve the MCSs for all constituents, additional remedial measures may be warranted.

5.2.3 Control the Source of Releases

There are no ongoing sources of releases at SWMU 196.

5.2.4 Compliance with Applicable Standards for the Management of Generated Wastes

This alternative would not generate any wastes that require special management. The primary generated waste would be purge water from monitoring wells, which could be easily managed to applicable standards.

5.2.5 Other Factors (a) Long-term Reliability and Effectiveness

This alternative would have adequate long-term reliability and effectiveness, provided that it is effective in permanently reducing dissolved-phase concentrations.

5.2.6 Other Factors (b) Reduction in the Toxicity, Mobility, or Volume of Wastes

This alternative would reduce the toxicity, mobility, and volume of the contaminated groundwater via oxidation of the VOCs.

5.2.7 Other Factors (c) Short-term Effectiveness

Because of the LUCs, this alternative would have short-term effectiveness in preventing ingestion of or contact with the contaminated groundwater. No unmanageable short-term hazards would be created during implementation.

5.2.8 Other Factors (d) Implementability

This alternative would be easily implemented.

5.2.9 Other Factors (e) Cost

Appendix F presents the overall cost estimate for implementing this remedy. The total present value of the alternative is $530,000.

5.3 Alternative 3: In Situ Enhanced Biodegradation with Land Use Controls

Most of the COCs at SWMU 196, including chlorobenzene and dichlorobenzenes, are amendable to aerobic biological treatment. Those that are not (carbon disulfide, chloroform, dibromochloromethane, methylene chloride, and TCE) are present at only one or two wells. It is expected that after aerobic treatment is completed, the system would return to its natural anaerobic conditions, which would facilitate reduction of these constituents. Cadmium, though not amendable to aerobic treatment, was reported at a concentration less than the MCS for the December 2002 sampling event.

EnvironmentalH2O's Iso-Gen™ process to deliver additional DO to the aquifer was assumed for evaluating this alternative. Existing monitoring wells at the site can be used to install the electrolytic cells of the Iso-Gen ™ technology. The installation of several additional wells was included in the cost estimate.

Each Iso-Gen ™ controller can operate up to four oxygen-generating units. For this application, it is assumed that two controllers with up to eight oxygen-generating units in eight wells would provide an adequate increase in DO to facilitate accelerated biodegradation of the VOCs. The oxygen-generating units would be deployed across the VOC plume in a configuration that would achieve as broad an increase in groundwater DO as feasible. These units can be relocated during site operations, if necessary, to optimize treatment results.

Because of some uncertainties regarding the radius of influence achievable, it may be advisable to install one controller with four oxygen-generating units initially, determine the

effective radius of influence, and then confirm the system's applicability for the site. After the system is installed and started up, DO measurements in the vicinity of the wells would indicate the radius of influence of the system. Changes in VOC concentrations would show the effectiveness of the system for its intended purpose. Once the system is optimized, an additional controller with additional oxygen-generating units would be installed.

Operation of the DO delivery system and groundwater monitoring are assumed to be performed for a duration of up to 10 years. Samples would be collected from as many as six groundwater wells on an annual basis, and would be analyzed for the COCs. Selected MNA parameters would be analyzed as needed in the groundwater samples. Standard field parameters (DO, ORP, turbidity, temperature) would also be monitored.

A basewide LUCMP would be developed for the CNC. The plan would allow for restrictions on the use of groundwater at SWMU 196 and other areas, and would be developed outside the scope of this CMS.

5.3.1 Protection of Human Health and the Environment

This alternative would be effective at protecting human health and the environment because it would incorporate LUCs to prevent the ingestion of and direct contact with groundwater during the period when groundwater VOC concentrations are greater than the MCS.

5.3.2 Attain MCS

This alternative would be expected to eventually achieve the MCS, probably within 5 to 10 years. This alternative includes a contingency in case the MCSs were not achieved for all COCs. Biological enhancements would be added to the groundwater to facilitate microbial destruction of the remaining COCs.

5.3.3 Control the Source of Releases

There are no ongoing sources of releases at SWMU 196. An in situ treatment measure, conducted as an IM, using in situ oxidation, has also been applied to the contaminated area.

5.3.4 Compliance with Applicable Standards for the Management of Generated Wastes

This alternative would not generate any wastes that require special management. The primary generated waste would be purge water from monitoring wells, which could be easily managed to applicable standards.

5.3.5 Other Factors (a) Long-term Reliability and Effectiveness

This alternative would have adequate long-term reliability and effectiveness.

5.3.6 Other Factors (b) Reduction in the Toxicity, Mobility, or Volume of Wastes

This alternative would reduce the toxicity, mobility, and volume of the contaminated groundwater via biodegradation.

5.3.7 Other Factors (c) Short-term Effectiveness

Because of the LUCs, this alternative would have short-term effectiveness in preventing ingestion of or contact with the contaminated groundwater. No unmanageable short-term hazards would be created during implementation.

5.3.8 Other Factors (d) Implementability

This alternative would be easily implemented.

5.3.9 Other Factors (e) Cost

Appendix F presents the overall cost estimate for implementing this remedy. The total present value of the alternative is $299,000.

5.4 Comparative Ranking of Corrective Measure Alternatives

The overall ability of each corrective measure alternative to meet the evaluation criteria is described above. In Table 5-1, a comparative evaluation of the degree to which each alternative meets a particular criterion is presented. Alternative 3, In Situ Enhanced Biodegradation with LUCs, is the preferred alternative. It provides a protective and reliable remedy at a cost lower than that of Alternative 2. Although more costly than Alternative 1, it has a significantly greater probability of succeeding.

TABLE 5-1
Ranking of Corrective Measure Alternatives
Corrective Measures Study Report, SWMU 196, Zone H, Charleston Naval Complex

Criterion	Alternative 1: Monitored Natural Attenuation with LUCs	Alternative 2: In Situ Chemical Oxidation with LUCs	Alternative 3: In Situ Enhanced Biological Treatment with LUCs
Overall Protection of Human Health and the Environment	Protects human health and the environment until MCSs can be achieved.	Protects human health and the environment with LUCs until MCSs can be achieved.	Protects human health and the environment util MCSs can be achieved
Attainment of MCS	Is expected to achieve MCSs in 20 years. Inadequate oxygen may be available to support reduction of chlorobenzene and dichlorobenzene isomers.	Is expected to achieve MCSs in the 4 to 7-year time frame. Limits of technology could have been achieved with IM, thus requiring implementation of enhanced biological treatment to achieve MCSs.	Is expected to achieve MCSs in the 5 to 10 year time frame. Aerobic enhanced biological treatment would initially be implemented. If COCs remain after this treatment, anaerobic biological enhancements would be used.
Control of the source of releases	Source treatment completed as part of IM.	Source treatment completed as part of IM.	Source treatment completed as part of IM.
Compliance with applicable standards for the management of wastes	Complies with applicable standards.	Complies with applicable standards.	Complies with applicable standards.
Long-term Reliability and Effectiveness	Expected to be reliable and effective long-term, once MCSs are achieved.	Expected to be reliable and effective long-term, once MCSs are achieved.	Expected to be reliable and effective long-term, once MCSs are achieved.
Reduction of Toxicity, Mobility, or Volume through Treatment	Reduces toxicity and volume via microbial degradation.	Reduces toxicity and volume via chemical oxidation.	Reduces toxicity and volume via microbial degradation.
Short-term Effectiveness	Effective in short-term due to use of LUC.	Effective in short-term due to use of LUC.	Effective in short term due to use of LUC.
Implementability	Easily implemented	Easily implemented	Easily implemented
Cost Ranking	Inexpensive	Expensive	Inexpensive
Estimated Cost	$113,000	$530,000	$299,000

Section 6.0

6.0 Recommended Corrective Measure Alternative

Three corrective measure alternatives were evaluated using the criteria described in Section 2.0 of this CMS report. These alternatives included:

Alternative 1 – MNA with LUCs
Alternative 2 – In Situ Chemical Oxidation with LUCs
Alternative 3 – In Situ Enhanced Biological Treatment with LUCs

The RAOs identified for groundwater at SWMU 196 are: 1) to prevent ingestion and direct/dermal contact with groundwater having unacceptable carcinogenic or non-carcinogenic risk, 2) to restore the aquifer to beneficial use, and 3) to control offsite migration of the COC plume in groundwater to preclude unacceptable impacts to ecological receptors in Shipyard Creek. Based on the alternatives evaluation and RAOs for the site and current uncertainties associated with each alternative, the preferred corrective measure alternative is Alternative 3, In Situ Enhanced Biological Treatment with LUCs.

Alternative 3 would provide protection of human health and the environment by maintaining the current and planned future use of the site as industrial/commercial while the contaminants degrade to non-toxic end products. LUCs would prevent residential and other unrestricted land use, including installation of water supply wells, that could expose sensitive populations.

A LUCMP is being developed for the industrial areas of the CNC, and SWMU 196 will be added to the plan. The LUCMP will limit future site activities to those that would limit exposure to groundwater. Current data indicate that the contaminants are not migrating, likely due to in situ natural biodegradation, and are expected to continue to do so. The expected reliability of this alternative is good. Should monitoring data indicate that this alternative is not as effective as expected, additional measures could be safely implemented.

Because of uncertainties related to the actual radius of influence achievable for increasing the aquifer DO, it is recommended that this remedial alternative be implemented in a phased approach. In the first phase, a single controller with up to four oxygen-generating units would be installed and operated to determine the optimal system configuration. Additional units would then be added as needed to expand the system to address the remaining plume.

Section 7.0

7.0 References

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Appendix A

	StationID	H196SB018		H196SB019	
	SampleID	196SB01801 (0-1ft)		196SB01901 (0-1ft)	
	DateCollected	11/12/2001		11/12/2001	
	DateExtracted	11/13/2001		11/13/2001	
	DateAnalyzed	11/13/2001		11/13/2001	
	SDGNumber	51880		51880	
Parameter	**Units**				
Chlorobenzene	ug/kg	1.4	=	1.8	=

	StationID	H009GW020		H009GW021		H009G
	SampleID	009GW020L1		009GW021L1		009GW(
	DateCollected	10/26/2001		10/26/2001		10/26
	DateExtracted	10/31/2001		10/29/2001		10/31
	DateAnalyzed	10/31/2001		10/29/2001		10/31
	SDGNumber	51003		51003		51(
Parameter	**Units**					
m-Xylene	ug/l					
Chloromethane	ug/L	200	UJ	1	U	20
Vinyl chloride	ug/l	200	U	3	=	20
Bromomethane	ug/L	200	U	1	U	20
Chloroethane	ug/L	200	U	1	U	20
1,1-Dichloroethene	ug/L	200	U	1	U	20
Acetone	ug/l	1000	U	5.7	UJ	74
Carbon Disulfide	ug/l	1000	U	5	U	100
Methylene Chloride	ug/l	1000	U	5	U	100
trans-1,2-Dichloroethene	ug/L	200	U	1.4	=	20
1,1-Dichloroethane	ug/L	200	U	1	U	20
Vinyl acetate	ug/L	1000	UJ	5	U	100
Methyl ethyl ketone (2-Butanone)	ug/L	1000	U	5	U	100
cis-1,2-Dichloroethylene	ug/l	200	U	11.3	=	10.1
1,2-Dichloroethene (total)	ug/L	400	U	12.7	=	10.1
Chloroform	ug/L	200	U	1	U	20
1,1,1-Trichloroethane	ug/l	200	U	1	U	20
Carbon Tetrachloride	ug/L	200	U	1	U	20
1,2-Dichloroethane	ug/L	200	UJ	1	U	20
Benzene	ug/L	200	U	4.8	=	5.3
Trichloroethylene (TCE)	ug/l	200	U	1.3	=	20
1,2-Dichloropropane	ug/l	200	U	1	U	20
Bromodichloromethane	ug/L	200	U	1	U	20
2-Chloroethyl vinyl ether	ug/L	1000	R	5	U	100
cis-1,3-Dichloropropene	ug/L	200	U	1	U	20
Methyl isobutyl ketone (4-Methyl-2-pentanone)	ug/L	1000	U	0.79	J	100
Toluene	ug/l	200	U	0.37	J	20
trans-1,3-Dichloropropene	ug/L	200	U	1	U	20
1,1,2-Trichloroethane	ug/l	200	U	1	U	20
2-Hexanone	ug/l	1000	U	5	U	100

	StationID	GW021		H009GW022		H196GW004	
	SampleID	021L1LR		009GW022L1		196GW004L1	
	DateCollected	/2001		10/26/2001		10/26/2001	
	DateExtracted	/2001		10/29/2001		10/31/2001	
	DateAnalyzed	/2001		10/29/2001		10/31/2001	
	SDGNumber	003		51003		51003	
Parameter	**Units**						
m-Xylene	ug/l						
Chloromethane	ug/L	R	1	U	100	UJ	
Vinyl chloride	ug/l	R	1	U	100	U	
Bromomethane	ug/L	R	1	U	100	U	
Chloroethane	ug/L	R	1	U	100	U	
1,1-Dichloroethene	ug/L	R	1	U	100	U	
Acetone	ug/l	R	5	UJ	500	U	
Carbon Disulfide	ug/l	R	5	U	500	U	
Methylene Chloride	ug/l	R	5	U	500	U	
trans-1,2-Dichloroethene	ug/L	R	1	U	100	U	
1,1-Dichloroethane	ug/L	R	1	U	100	U	
Vinyl acetate	ug/L	R	5	U	500	UJ	
Methyl ethyl ketone (2-Butanone)	ug/L	R	5	U	500	U	
cis-1,2-Dichloroethylene	ug/l	R	10.9	=	112	=	
1,2-Dichloroethene (total)	ug/L	R	10.9	=	112	J	
Chloroform	ug/L	R	1	U	100	U	
1,1,1-Trichloroethane	ug/l	R	1	U	100	U	
Carbon Tetrachloride	ug/L	R	1	U	100	U	
1,2-Dichloroethane	ug/L	R	1	U	100	UJ	
Benzene	ug/L	R	1.9	=	670	=	
Trichloroethylene (TCE)	ug/l	R	9.1	=	21.3	J	
1,2-Dichloropropane	ug/l	R	1	U	100	U	
Bromodichloromethane	ug/L	R	1	U	100	U	
2-Chloroethyl vinyl ether	ug/L	R	5	U	500	R	
cis-1,3-Dichloropropene	ug/L	R	1	U	100	U	
Methyl isobutyl ketone (4-Methyl-2-pentanone)	ug/L	R	5	U	500	U	
Toluene	ug/l	R	2.5	=	1520	=	
trans-1,3-Dichloropropene	ug/L	R	1	U	100	U	
1,1,2-Trichloroethane	ug/l	R	1	U	100	U	
2-Hexanone	ug/l	R	5	U	500	U	

	StationID	H196GW005		H196GW006		H196(
	SampleID	196GW005L1		196GW006L1		196GV
	DateCollected	10/26/2001		10/26/2001		10/26
	DateExtracted	10/31/2001		10/31/2001		10/31
	DateAnalyzed	10/31/2001		10/31/2001		10/31
	SDGNumber	51003		51003		51(
Parameter	**Units**					
m-Xylene	ug/l					
Chloromethane	ug/L	10	UJ	250	UJ	100
Vinyl chloride	ug/l	10	U	250	U	100
Bromomethane	ug/L	10	U	250	U	100
Chloroethane	ug/L	10	U	250	U	100
1,1-Dichloroethene	ug/L	10	U	250	U	100
Acetone	ug/l	50	U	1250	U	500
Carbon Disulfide	ug/l	50	U	1250	U	500
Methylene Chloride	ug/l	50	U	158	J	500
trans-1,2-Dichloroethene	ug/L	10	U	250	U	100
1,1-Dichloroethane	ug/L	10	U	250	U	100
Vinyl acetate	ug/L	50	UJ	1250	UJ	500
Methyl ethyl ketone (2-Butanone)	ug/L	50	U	1250	U	500
cis-1,2-Dichloroethylene	ug/l	10	U	250	U	100
1,2-Dichloroethene (total)	ug/L	20	U	500	U	200
Chloroform	ug/L	10	U	250	U	100
1,1,1-Trichloroethane	ug/l	10	U	250	U	100
Carbon Tetrachloride	ug/L	10	U	250	U	100
1,2-Dichloroethane	ug/L	10	UJ	250	UJ	100
Benzene	ug/L	11.2	=	85	J	22.9
Trichloroethylene (TCE)	ug/l	10	U	250	U	100
1,2-Dichloropropane	ug/l	10	U	250	U	100
Bromodichloromethane	ug/L	10	U	250	U	100
2-Chloroethyl vinyl ether	ug/L	50	R	1250	U	500
cis-1,3-Dichloropropene	ug/L	10	U	250	R	100
Methyl isobutyl ketone (4-Methyl-2-pentanone)	ug/L	50	U	1250	U	500
Toluene	ug/l	2.6	J	250	U	100
trans-1,3-Dichloropropene	ug/L	10	U	250	U	100
1,1,2-Trichloroethane	ug/l	10	U	250	U	100
2-Hexanone	ug/l	50	U	1250	U	500

	StationID	W007	H196GW008		H196GW009	
	SampleID	/007L1	196GW008L1		196GW009L1	
	DateCollected	/2001	10/26/2001		10/26/2001	
	DateExtracted	/2001	10/31/2001		10/31/2001	
	DateAnalyzed	/2001	10/31/2001		10/31/2001	
	SDGNumber	03	51003		51003	
Parameter	**Units**					
m-Xylene	ug/l					
Chloromethane	ug/L	UJ	100	UJ	50	UJ
Vinyl chloride	ug/l	U	100	U	50	U
Bromomethane	ug/L	U	100	U	50	U
Chloroethane	ug/L	U	100	U	50	U
1,1-Dichloroethene	ug/L	U	100	U	50	U
Acetone	ug/l	U	500	U	250	U
Carbon Disulfide	ug/l	U	500	U	250	U
Methylene Chloride	ug/l	U	66.9	J	250	U
trans-1,2-Dichloroethene	ug/L	U	100	U	50	U
1,1-Dichloroethane	ug/L	U	100	U	50	U
Vinyl acetate	ug/L	UJ	500	UJ	250	UJ
Methyl ethyl ketone (2-Butanone)	ug/L	U	500	U	250	U
cis-1,2-Dichloroethylene	ug/l	U	32.6	J	37.6	J
1,2-Dichloroethene (total)	ug/L	U	32.6	J	37.6	J
Chloroform	ug/L	U	100	U	50	U
1,1,1-Trichloroethane	ug/l	U	100	U	50	U
Carbon Tetrachloride	ug/L	U	100	U	50	U
1,2-Dichloroethane	ug/L	UJ	100	UJ	50	UJ
Benzene	ug/L	J	21.3	J	144	=
Trichloroethylene (TCE)	ug/l	U	100	U	50	U
1,2-Dichloropropane	ug/l	U	100	U	50	U
Bromodichloromethane	ug/L	U	100	U	50	U
2-Chloroethyl vinyl ether	ug/L	R	500	R	250	R
cis-1,3-Dichloropropene	ug/L	U	100	U	50	U
Methyl isobutyl ketone (4-Methyl-2-pentanone)	ug/L	U	500	U	250	U
Toluene	ug/l	U	100	U	440	=
trans-1,3-Dichloropropene	ug/L	U	100	U	50	U
1,1,2-Trichloroethane	ug/l	U	100	U	50	U
2-Hexanone	ug/l	U	500	U	250	U

	StationID	H196GW009		H196GW010		HGEL(
	SampleID	196HW009L1		196GW010L1		GELGV
	DateCollected	10/26/2001		10/26/2001		10/26
	DateExtracted	10/31/2001		10/31/2001		10/29
	DateAnalyzed	10/31/2001		10/31/2001		10/29
	SDGNumber	51003		51003		51(
Parameter	**Units**					
m-Xylene	ug/l					
Chloromethane	ug/L	50	UJ	100	UJ	1
Vinyl chloride	ug/l	50	U	100	U	1
Bromomethane	ug/L	50	U	100	U	1
Chloroethane	ug/L	50	U	100	U	1
1,1-Dichloroethene	ug/L	50	U	100	U	1
Acetone	ug/l	250	U	500	U	5
Carbon Disulfide	ug/l	250	U	500	U	5
Methylene Chloride	ug/l	250	U	500	U	5
trans-1,2-Dichloroethene	ug/L	50	U	100	U	1
1,1-Dichloroethane	ug/L	50	U	100	U	1
Vinyl acetate	ug/L	250	UJ	500	UJ	5
Methyl ethyl ketone (2-Butanone)	ug/L	250	U	500	U	5
cis-1,2-Dichloroethylene	ug/l	37.2	J	100	U	0.89
1,2-Dichloroethene (total)	ug/L	37.2	J	200	U	0.89
Chloroform	ug/L	50	U	100	U	1
1,1,1-Trichloroethane	ug/l	50	U	100	U	1
Carbon Tetrachloride	ug/L	50	U	100	U	1
1,2-Dichloroethane	ug/L	50	UJ	100	UJ	1
Benzene	ug/L	158	=	100	U	119
Trichloroethylene (TCE)	ug/l	50	U	100	U	0.43
1,2-Dichloropropane	ug/l	50	U	100	U	1
Bromodichloromethane	ug/L	50	U	100	U	1
2-Chloroethyl vinyl ether	ug/L	250	R	500	R	5
cis-1,3-Dichloropropene	ug/L	50	U	100	U	1
Methyl isobutyl ketone (4-Methyl-2-pentanone)	ug/L	250	U	500	U	5
Toluene	ug/l	450	=	100	U	1.5
trans-1,3-Dichloropropene	ug/L	50	U	100	U	1
1,1,2-Trichloroethane	ug/l	50	U	100	U	1
2-Hexanone	ug/l	250	U	500	U	5

	StationID	GW015	H009GW020		H009GW020	
	SampleID	V015L1	009GW020L2		009GW020L2LR	
	DateCollected	/2001	11/20/2001		11/20/2001	
	DateExtracted	/2001	11/29/2001		11/30/2001	
	DateAnalyzed	/2001	11/29/2001		11/30/2001	
	SDGNumber	003	52363		52363	
Parameter	**Units**					
m-Xylene	ug/l					
Chloromethane	ug/L	U	1	U	1000	R
Vinyl chloride	ug/l	U	1	U	1000	R
Bromomethane	ug/L	U	1	UJ	1000	R
Chloroethane	ug/L	U	1	UJ	1000	R
1,1-Dichloroethene	ug/L	U	1	U	1000	R
Acetone	ug/l	U	10.5	U	5000	R
Carbon Disulfide	ug/l	U	5	U	5000	R
Methylene Chloride	ug/l	U	5	U	3880	R
trans-1,2-Dichloroethene	ug/L	U	1	U	1000	R
1,1-Dichloroethane	ug/L	U	1	U	1000	R
Vinyl acetate	ug/L	U	5	U	5000	R
Methyl ethyl ketone (2-Butanone)	ug/L	U	5	U	5000	R
cis-1,2-Dichloroethylene	ug/l	J	1	U	1000	R
1,2-Dichloroethene (total)	ug/L	J	2	U	2000	R
Chloroform	ug/L	U	1	U	1000	R
1,1,1-Trichloroethane	ug/l	U	1	U	1000	R
Carbon Tetrachloride	ug/L	U	1	U	1000	R
1,2-Dichloroethane	ug/L	U	1	UJ	1000	R
Benzene	ug/L	R	22.2	=	1000	R
Trichloroethylene (TCE)	ug/l	J	1	U	1000	R
1,2-Dichloropropane	ug/l	U	1	U	1000	R
Bromodichloromethane	ug/L	U	1	U	1000	R
2-Chloroethyl vinyl ether	ug/L	U	5	U	5000	R
cis-1,3-Dichloropropene	ug/L	U	1	U	1000	R
Methyl isobutyl ketone (4-Methyl-2-pentanone)	ug/L	U	5	U	5000	R
Toluene	ug/l	=	1	U	1000	R
trans-1,3-Dichloropropene	ug/L	U	1	U	1000	R
1,1,2-Trichloroethane	ug/l	U	1	U	1000	R
2-Hexanone	ug/l	U	5	U	5000	R

	StationID	H009GW021		H009GW021		H196
	SampleID	009GW021L2		009GW021L2LR		196GW
	DateCollected	11/20/2001		11/20/2001		11/20
	DateExtracted	11/29/2001		11/30/2001		11/29
	DateAnalyzed	11/29/2001		11/30/2001		11/29
	SDGNumber	52363		52363		52
Parameter	**Units**					
m-Xylene	ug/l					
Chloromethane	ug/L	1	U	10	R	1
Vinyl chloride	ug/l	4.1	=	10	R	11.3
Bromomethane	ug/L	1	UJ	10	R	1
Chloroethane	ug/L	1	UJ	10	R	1
1,1-Dichloroethene	ug/L	1	U	10	R	1
Acetone	ug/l	10.9	U	50	R	106
Carbon Disulfide	ug/l	5	U	50	R	9.2
Methylene Chloride	ug/l	5	U	41.5	R	32
trans-1,2-Dichloroethene	ug/L	0.65	J	10	R	1.1
1,1-Dichloroethane	ug/L	1	U	10	R	1
Vinyl acetate	ug/L	5	U	50	R	5
Methyl ethyl ketone (2-Butanone)	ug/L	5	U	50	R	12.6
cis-1,2-Dichloroethylene	ug/l	8.3	=	8.6	R	48.5
1,2-Dichloroethene (total)	ug/L	8.9	=	8.6	R	49.6
Chloroform	ug/L	1	U	10	R	1
1,1,1-Trichloroethane	ug/l	1	U	10	R	1
Carbon Tetrachloride	ug/L	1	U	10	R	1
1,2-Dichloroethane	ug/L	1	UJ	10	R	1
Benzene	ug/L	4.5	=	5.7	R	543
Trichloroethylene (TCE)	ug/l	0.52	J	10	R	22
1,2-Dichloropropane	ug/l	1	U	10	R	1
Bromodichloromethane	ug/L	1	U	10	R	1
2-Chloroethyl vinyl ether	ug/L	5	U	50	R	5
cis-1,3-Dichloropropene	ug/L	1	U	10	R	1
Methyl isobutyl ketone (4-Methyl-2-pentanone)	ug/L	5	U	50	R	0.93
Toluene	ug/l	1.8	=	2.2	R	782
trans-1,3-Dichloropropene	ug/L	1	U	10	R	1
1,1,2-Trichloroethane	ug/l	1	U	10	R	1
2-Hexanone	ug/l	5	U	50	R	5

	StationID	W004	H196GW004		H196GW005	
	SampleID	/004L2	196GW004L2LR		196GW005L2	
	DateCollected	/2001	11/20/2001		11/20/2001	
	DateExtracted	/2001	11/30/2001		11/29/2001	
	DateAnalyzed	/2001	11/30/2001		11/29/2001	
	SDGNumber	363	52363		52363	
Parameter	**Units**					
m-Xylene	ug/l					
Chloromethane	ug/L	U	1000	R	1	U
Vinyl chloride	ug/l	=	1000	R	1	U
Bromomethane	ug/L	UJ	1000	R	1	UJ
Chloroethane	ug/L	UJ	1000	R	1	UJ
1,1-Dichloroethene	ug/L	U	1000	R	1	U
Acetone	ug/l	=	5000	R	64.5	=
Carbon Disulfide	ug/l	=	5000	R	6.6	=
Methylene Chloride	ug/l	U	4300	R	5	U
trans-1,2-Dichloroethene	ug/L	=	1000	R	1	U
1,1-Dichloroethane	ug/L	U	1000	R	1	U
Vinyl acetate	ug/L	U	5000	R	5	U
Methyl ethyl ketone (2-Butanone)	ug/L	=	5000	R	8.1	=
cis-1,2-Dichloroethylene	ug/l	=	1000	R	1	U
1,2-Dichloroethene (total)	ug/L	=	2000	R	2	U
Chloroform	ug/L	U	1000	R	0.22	J
1,1,1-Trichloroethane	ug/l	U	1000	R	1	U
Carbon Tetrachloride	ug/L	U	1000	R	1	U
1,2-Dichloroethane	ug/L	UJ	1000	R	1	UJ
Benzene	ug/L	R	723	J	1.2	U
Trichloroethylene (TCE)	ug/l	=	1000	R	0.36	J
1,2-Dichloropropane	ug/l	U	1000	R	1	U
Bromodichloromethane	ug/L	U	1000	R	1	U
2-Chloroethyl vinyl ether	ug/L	U	5000	R	5	U
cis-1,3-Dichloropropene	ug/L	U	1000	R	1	U
Methyl isobutyl ketone (4-Methyl-2-pentanone)	ug/L	J	5000	R	5	U
Toluene	ug/l	R	953	J	1.3	=
trans-1,3-Dichloropropene	ug/L	U	1000	R	1	U
1,1,2-Trichloroethane	ug/l	U	1000	R	1	U
2-Hexanone	ug/l	U	5000	R	5	U

	StationID	H196GW005		H196GW006		H196(
	SampleID	196GW005L2LR		196GW006L2		196GW(
	DateCollected	11/20/2001		11/20/2001		11/20
	DateExtracted	11/30/2001		11/29/2001		11/30
	DateAnalyzed	11/30/2001		11/29/2001		11/30
	SDGNumber	52363		52363		52:
Parameter	Units					
m-Xylene	ug/l					
Chloromethane	ug/L	10	R	1	U	20
Vinyl chloride	ug/l	10	R	1	U	20
Bromomethane	ug/L	10	R	1	UJ	20
Chloroethane	ug/L	10	R	1	UJ	20
1,1-Dichloroethene	ug/L	10	R	1	U	20
Acetone	ug/l	50	R	192	J	100
Carbon Disulfide	ug/l	50	R	3	J	100
Methylene Chloride	ug/l	38.4	R	5	U	70
trans-1,2-Dichloroethene	ug/L	10	R	1	U	20
1,1-Dichloroethane	ug/L	10	R	1	U	20
Vinyl acetate	ug/L	50	R	5	U	100
Methyl ethyl ketone (2-Butanone)	ug/L	50	R	12.3	J	100
cis-1,2-Dichloroethylene	ug/l	10	R	1	U	20
1,2-Dichloroethene (total)	ug/L	20	R	2	U	40
Chloroform	ug/L	10	R	0.82	J	20
1,1,1-Trichloroethane	ug/l	10	R	1	U	20
Carbon Tetrachloride	ug/L	10	R	1	U	20
1,2-Dichloroethane	ug/L	10	R	1	UJ	20
Benzene	ug/L	10	R	6.2	=	7.8
Trichloroethylene (TCE)	ug/l	10	R	1	U	20
1,2-Dichloropropane	ug/l	10	R	1	U	20
Bromodichloromethane	ug/L	10	R	0.42	J	20
2-Chloroethyl vinyl ether	ug/L	50	R	5	UJ	100
cis-1,3-Dichloropropene	ug/L	10	R	1	U	20
Methyl isobutyl ketone (4-Methyl-2-pentanone)	ug/L	50	R	5	U	100
Toluene	ug/l	10	R	1	U	20
trans-1,3-Dichloropropene	ug/L	10	R	1	U	20
1,1,2-Trichloroethane	ug/l	10	R	1	U	20
2-Hexanone	ug/l	50	R	5	U	100

	StationID	W006	H196GW007		H196GW007	
	SampleID	06L2LR	196GW007L2		196GW007L2LR	
	DateCollected	/2001	11/20/2001		11/20/2001	
	DateExtracted	/2001	11/29/2001		11/30/2001	
	DateAnalyzed	/2001	11/29/2001		11/30/2001	
	SDGNumber	363	52363		52363	
Parameter	**Units**					
m-Xylene	ug/l					
Chloromethane	ug/L	R	1	U	100	R
Vinyl chloride	ug/l	R	0.87	J	100	R
Bromomethane	ug/L	R	1	UJ	100	R
Chloroethane	ug/L	R	1	UJ	100	R
1,1-Dichloroethene	ug/L	R	1	U	100	R
Acetone	ug/l	R	70.3	=	500	R
Carbon Disulfide	ug/l	R	8.4	=	500	R
Methylene Chloride	ug/l	R	5	U	85.8	R
trans-1,2-Dichloroethene	ug/L	R	0.35	J	100	R
1,1-Dichloroethane	ug/L	R	1	U	100	R
Vinyl acetate	ug/L	R	5	U	500	R
Methyl ethyl ketone (2-Butanone)	ug/L	R	10.1	=	500	R
cis-1,2-Dichloroethylene	ug/l	R	0.42	J	100	R
1,2-Dichloroethene (total)	ug/L	R	0.77	J	200	R
Chloroform	ug/L	R	1	U	100	R
1,1,1-Trichloroethane	ug/l	R	1	U	100	R
Carbon Tetrachloride	ug/L	R	1	U	100	R
1,2-Dichloroethane	ug/L	R	1	UJ	100	R
Benzene	ug/L	R	24.7	=	35.5	R
Trichloroethylene (TCE)	ug/l	R	1	U	100	R
1,2-Dichloropropane	ug/l	R	1	U	100	R
Bromodichloromethane	ug/L	R	1	U	100	R
2-Chloroethyl vinyl ether	ug/L	R	5	U	500	R
cis-1,3-Dichloropropene	ug/L	R	1	U	100	R
Methyl isobutyl ketone (4-Methyl-2-pentanone)	ug/L	R	5	U	500	R
Toluene	ug/l	R	1.3	=	100	R
trans-1,3-Dichloropropene	ug/L	R	1	U	100	R
1,1,2-Trichloroethane	ug/l	R	1	U	100	R
2-Hexanone	ug/l	R	5	U	500	R

	StationID	H196GW008		H196GW008		H196(
	SampleID	196GW008L2		196GW008L2LR		196HW
	DateCollected	11/20/2001		11/20/2001		11/20
	DateExtracted	11/29/2001		11/30/2001		11/29
	DateAnalyzed	11/29/2001		11/30/2001		11/29
	SDGNumber	52363		52363		52
Parameter	**Units**					
m-Xylene	ug/l					
Chloromethane	ug/L	1	U	100	R	1
Vinyl chloride	ug/l	77.4	=	100	R	59.6
Bromomethane	ug/L	1	UJ	100	R	1
Chloroethane	ug/L	1	UJ	100	R	1
1,1-Dichloroethene	ug/L	1	U	100	R	1
Acetone	ug/l	11.3	U	500	R	11
Carbon Disulfide	ug/l	5	U	500	R	5
Methylene Chloride	ug/l	5	U	181	R	5
trans-1,2-Dichloroethene	ug/L	1	=	100	R	1.2
1,1-Dichloroethane	ug/L	1	=	100	R	1.1
Vinyl acetate	ug/L	5	U	500	R	5
Methyl ethyl ketone (2-Butanone)	ug/L	5	U	500	R	5
cis-1,2-Dichloroethylene	ug/l	27.6	=	100	R	34.4
1,2-Dichloroethene (total)	ug/L	28.7	=	200	R	35.6
Chloroform	ug/L	1	U	100	R	1
1,1,1-Trichloroethane	ug/l	1	U	100	R	1
Carbon Tetrachloride	ug/L	1	U	100	R	1
1,2-Dichloroethane	ug/L	1	UJ	100	R	1
Benzene	ug/L	26.1	=	36.1	R	21
Trichloroethylene (TCE)	ug/l	3.6	=	100	R	4.1
1,2-Dichloropropane	ug/l	1	U	100	R	1
Bromodichloromethane	ug/L	1	U	100	R	1
2-Chloroethyl vinyl ether	ug/L	5	U	500	R	5
cis-1,3-Dichloropropene	ug/L	1	U	100	R	1
Methyl isobutyl ketone (4-Methyl-2-pentanone)	ug/L	5	U	500	R	5
Toluene	ug/l	1.5	=	100	R	1.8
trans-1,3-Dichloropropene	ug/L	1	U	100	R	1
1,1,2-Trichloroethane	ug/l	1	U	100	R	1
2-Hexanone	ug/l	5	U	500	R	5

	StationID	W008	H196GW008		H196GW010	
	SampleID	/008L2	196HW008L2LR		196GW010L2	
	DateCollected	/2001	11/20/2001		11/20/2001	
	DateExtracted	/2001	11/30/2001		11/29/2001	
	DateAnalyzed	/2001	11/30/2001		11/29/2001	
	SDGNumber	363	52363		52363	
Parameter	**Units**					
m-Xylene	ug/l					
Chloromethane	ug/L	U	100	R	1	U
Vinyl chloride	ug/l	=	100	R	1	U
Bromomethane	ug/L	UJ	100	R	1	UJ
Chloroethane	ug/L	UJ	100	R	1	UJ
1,1-Dichloroethene	ug/L	U	100	R	1	U
Acetone	ug/l	U	500	R	5	U
Carbon Disulfide	ug/l	U	500	R	5	U
Methylene Chloride	ug/l	U	381	R	5	U
trans-1,2-Dichloroethene	ug/L	=	100	R	1	U
1,1-Dichloroethane	ug/L	=	100	R	1	U
Vinyl acetate	ug/L	U	500	R	5	U
Methyl ethyl ketone (2-Butanone)	ug/L	U	500	R	5	U
cis-1,2-Dichloroethylene	ug/l	=	100	R	1	U
1,2-Dichloroethene (total)	ug/L	=	200	R	2	U
Chloroform	ug/L	U	100	R	1	U
1,1,1-Trichloroethane	ug/l	U	100	R	1	U
Carbon Tetrachloride	ug/L	U	100	R	1	U
1,2-Dichloroethane	ug/L	UJ	100	R	1	UJ
Benzene	ug/L	=	34.1	R	3	=
Trichloroethylene (TCE)	ug/l	=	100	R	1	U
1,2-Dichloropropane	ug/l	U	100	R	1	U
Bromodichloromethane	ug/L	U	100	R	1	U
2-Chloroethyl vinyl ether	ug/L	U	500	R	5	U
cis-1,3-Dichloropropene	ug/L	U	100	R	1	U
Methyl isobutyl ketone (4-Methyl-2-pentanone)	ug/L	U	500	R	5	U
Toluene	ug/l	=	100	R	1	U
trans-1,3-Dichloropropene	ug/L	U	100	R	1	U
1,1,2-Trichloroethane	ug/l	U	100	R	1	U
2-Hexanone	ug/l	U	500	R	5	U

	StationID	H196GW010		HGELGW015		HGEL(
	SampleID	196GW010L2LR		GELGW015L2		GELGW
	DateCollected	11/20/2001		11/20/2001		11/20
	DateExtracted	11/30/2001		11/29/2001		12/03
	DateAnalyzed	11/30/2001		11/29/2001		12/03
	SDGNumber	52363		52363		52:
Parameter	**Units**					
m-Xylene	ug/l					
Chloromethane	ug/L	100	R	1	U	100
Vinyl chloride	ug/l	100	R	0.69	J	100
Bromomethane	ug/L	100	R	1	UJ	100
Chloroethane	ug/L	100	R	1	UJ	100
1,1-Dichloroethene	ug/L	100	R	1	U	100
Acetone	ug/l	500	R	14.1	U	500
Carbon Disulfide	ug/l	500	R	5	U	500
Methylene Chloride	ug/l	306	R	5	U	380
trans-1,2-Dichloroethene	ug/L	100	R	1	U	100
1,1-Dichloroethane	ug/L	100	R	1	U	100
Vinyl acetate	ug/L	500	R	5	U	500
Methyl ethyl ketone (2-Butanone)	ug/L	500	R	5	U	500
cis-1,2-Dichloroethylene	ug/l	100	R	0.77	J	100
1,2-Dichloroethene (total)	ug/L	200	R	0.77	J	200
Chloroform	ug/L	100	R	1	U	100
1,1,1-Trichloroethane	ug/l	100	R	1	U	100
Carbon Tetrachloride	ug/L	100	R	1	U	100
1,2-Dichloroethane	ug/L	100	R	1	UJ	100
Benzene	ug/L	100	R	116	R	147
Trichloroethylene (TCE)	ug/l	100	R	0.43	J	100
1,2-Dichloropropane	ug/l	100	R	1	U	100
Bromodichloromethane	ug/L	100	R	1	U	100
2-Chloroethyl vinyl ether	ug/L	500	R	5	U	500
cis-1,3-Dichloropropene	ug/L	100	R	1	U	100
Methyl isobutyl ketone (4-Methyl-2-pentanone)	ug/L	500	R	5	U	500
Toluene	ug/l	100	R	2	=	100
trans-1,3-Dichloropropene	ug/L	100	R	1	U	100
1,1,2-Trichloroethane	ug/l	100	R	1	U	100
2-Hexanone	ug/l	500	R	5	U	500

	StationID	GW015	H009GW022		H196GW006	
	SampleID	015L2LR	009GW022L3		196GW006L3	
	DateCollected	/2001	12/06/2001		12/06/2001	
	DateExtracted	/2001	12/08/2001		12/08/2001	
	DateAnalyzed	/2001	12/08/2001		12/08/2001	
	SDGNumber	363	53063		53063	
Parameter	**Units**					
m-Xylene	ug/l					
Chloromethane	ug/L	R	50	UJ	250	UJ
Vinyl chloride	ug/l	R	50	U	250	U
Bromomethane	ug/L	R	50	U	250	U
Chloroethane	ug/L	R	50	UJ	250	UJ
1,1-Dichloroethene	ug/L	R	50	U	250	U
Acetone	ug/l	R	159	J	1250	U
Carbon Disulfide	ug/l	R	250	U	1250	U
Methylene Chloride	ug/l	R	250	U	1250	U
trans-1,2-Dichloroethene	ug/L	R	50	U	250	U
1,1-Dichloroethane	ug/L	R	50	U	250	U
Vinyl acetate	ug/L	R	250	U	1250	U
Methyl ethyl ketone (2-Butanone)	ug/L	R	250	U	1250	U
cis-1,2-Dichloroethylene	ug/l	R	20.3	J	250	U
1,2-Dichloroethene (total)	ug/L	R	20.3	J	500	U
Chloroform	ug/L	R	50	U	250	U
1,1,1-Trichloroethane	ug/l	R	50	U	250	U
Carbon Tetrachloride	ug/L	R	50	U	250	U
1,2-Dichloroethane	ug/L	R	50	U	250	U
Benzene	ug/L	=	50	U	250	U
Trichloroethylene (TCE)	ug/l	R	50	U	250	U
1,2-Dichloropropane	ug/l	R	50	U	250	U
Bromodichloromethane	ug/L	R	50	U	250	U
2-Chloroethyl vinyl ether	ug/L	R	250	U	1250	U
cis-1,3-Dichloropropene	ug/L	R	50	U	250	U
Methyl isobutyl ketone (4-Methyl-2-pentanone)	ug/L	R	250	U	1250	U
Toluene	ug/l	R	50	U	250	U
trans-1,3-Dichloropropene	ug/L	R	50	U	250	U
1,1,2-Trichloroethane	ug/l	R	50	U	250	U
2-Hexanone	ug/l	R	250	U	1250	U

	StationID	H196GW009		HGELGW015		H009C
	SampleID	196GW009L3		GELGW015L3		009GV
	DateCollected	12/06/2001		12/06/2001		12/18
	DateExtracted	12/08/2001		12/08/2001		12/26
	DateAnalyzed	12/08/2001		12/08/2001		12/26
	SDGNumber	53063		53063		53
Parameter	**Units**					
m-Xylene	ug/l					
Chloromethane	ug/L	500	UJ	250	UJ	50
Vinyl chloride	ug/l	500	U	250	U	50
Bromomethane	ug/L	500	U	250	U	50
Chloroethane	ug/L	500	UJ	250	UJ	50
1,1-Dichloroethene	ug/L	500	U	250	U	50
Acetone	ug/l	2500	U	1250	U	250
Carbon Disulfide	ug/l	2500	U	1250	U	250
Methylene Chloride	ug/l	2500	U	1250	U	250
trans-1,2-Dichloroethene	ug/L	500	U	250	U	50
1,1-Dichloroethane	ug/L	500	U	250	U	50
Vinyl acetate	ug/L	2500	U	1250	U	250
Methyl ethyl ketone (2-Butanone)	ug/L	2500	U	1250	U	250
cis-1,2-Dichloroethylene	ug/l	500	U	250	U	50
1,2-Dichloroethene (total)	ug/L	1000	U	500	U	100
Chloroform	ug/L	500	U	250	U	50
1,1,1-Trichloroethane	ug/l	500	U	250	U	50
Carbon Tetrachloride	ug/L	500	U	250	U	50
1,2-Dichloroethane	ug/L	500	U	250	U	50
Benzene	ug/L	385	J	103	J	23.2
Trichloroethylene (TCE)	ug/l	500	U	250	U	50
1,2-Dichloropropane	ug/l	500	U	250	U	50
Bromodichloromethane	ug/L	500	U	250	U	50
2-Chloroethyl vinyl ether	ug/L	2500	U	1250	U	250
cis-1,3-Dichloropropene	ug/L	500	U	250	U	50
Methyl isobutyl ketone (4-Methyl-2-pentanone)	ug/L	2500	U	1250	U	250
Toluene	ug/l	513	=	250	U	9.7
trans-1,3-Dichloropropene	ug/L	500	U	250	U	50
1,1,2-Trichloroethane	ug/l	500	U	250	U	50
2-Hexanone	ug/l	2500	U	1250	U	250

	StationID	W020	H009GW020		H196GW004	
	SampleID	/020L4	009GW020L4LR		196GW004L4	
	DateCollected	/2001	12/18/2001		12/18/2001	
	DateExtracted	/2001	12/26/2001		12/26/2001	
	DateAnalyzed	/2001	12/26/2001		12/26/2001	
	SDGNumber	77	53777		53777	
Parameter	**Units**					
m-Xylene	ug/l					
Chloromethane	ug/L	U	250	R	50	U
Vinyl chloride	ug/l	U	250	R	50	U
Bromomethane	ug/L	U	250	R	50	U
Chloroethane	ug/L	U	250	R	50	U
1,1-Dichloroethene	ug/L	U	250	R	50	U
Acetone	ug/l	U	1250	R	246	J
Carbon Disulfide	ug/l	U	1250	R	250	U
Methylene Chloride	ug/l	U	1250	R	250	U
trans-1,2-Dichloroethene	ug/L	U	250	R	50	U
1,1-Dichloroethane	ug/L	U	250	R	50	U
Vinyl acetate	ug/L	UJ	1250	R	250	UJ
Methyl ethyl ketone (2-Butanone)	ug/L	U	1250	R	250	U
cis-1,2-Dichloroethylene	ug/l	U	250	R	64.6	=
1,2-Dichloroethene (total)	ug/L	U	500	R	64.6	J
Chloroform	ug/L	U	250	R	50	U
1,1,1-Trichloroethane	ug/l	U	250	R	50	U
Carbon Tetrachloride	ug/L	U	250	R	50	U
1,2-Dichloroethane	ug/L	U	250	R	50	U
Benzene	ug/L	J	250	R	612	=
Trichloroethylene (TCE)	ug/l	U	250	R	30.7	J
1,2-Dichloropropane	ug/l	U	250	R	50	U
Bromodichloromethane	ug/L	U	250	R	50	U
2-Chloroethyl vinyl ether	ug/L	U	1250	R	250	U
cis-1,3-Dichloropropene	ug/L	U	250	R	50	U
Methyl isobutyl ketone (4-Methyl-2-pentanone)	ug/L	U	1250	R	250	U
Toluene	ug/l	J	250	R	496	=
trans-1,3-Dichloropropene	ug/L	U	250	R	50	U
1,1,2-Trichloroethane	ug/l	U	250	R	50	U
2-Hexanone	ug/l	U	1250	R	250	U

	StationID	H196GW004		H196GW004		H196G
	SampleID	196GW004L4LR		196HW004L4		196HW(
	DateCollected	12/18/2001		12/18/2001		12/18
	DateExtracted	12/27/2001		12/26/2001		12/27
	DateAnalyzed	12/27/2001		12/26/2001		12/27
	SDGNumber	53777		53777		53
Parameter	**Units**					
m-Xylene	ug/l					
Chloromethane	ug/L	250	R	50	U	250
Vinyl chloride	ug/l	250	R	50	U	250
Bromomethane	ug/L	250	R	50	U	250
Chloroethane	ug/L	250	R	50	U	250
1,1-Dichloroethene	ug/L	250	R	50	U	250
Acetone	ug/l	1250	R	248	J	1250
Carbon Disulfide	ug/l	1250	R	250	U	1250
Methylene Chloride	ug/l	1250	R	250	U	1250
trans-1,2-Dichloroethene	ug/L	250	R	50	U	250
1,1-Dichloroethane	ug/L	250	R	50	U	250
Vinyl acetate	ug/L	1250	R	250	UJ	1250
Methyl ethyl ketone (2-Butanone)	ug/L	1250	R	250	U	1250
cis-1,2-Dichloroethylene	ug/l	250	R	53.4	=	250
1,2-Dichloroethene (total)	ug/L	500	R	53.4	J	500
Chloroform	ug/L	250	R	50	U	250
1,1,1-Trichloroethane	ug/l	250	R	50	U	250
Carbon Tetrachloride	ug/L	250	R	50	U	250
1,2-Dichloroethane	ug/L	250	R	50	U	250
Benzene	ug/L	616	R	310	=	381
Trichloroethylene (TCE)	ug/l	250	R	28.9	J	250
1,2-Dichloropropane	ug/l	250	R	50	U	250
Bromodichloromethane	ug/L	250	R	50	U	250
2-Chloroethyl vinyl ether	ug/L	1250	R	250	U	1250
cis-1,3-Dichloropropene	ug/L	250	R	50	U	250
Methyl isobutyl ketone (4-Methyl-2-pentanone)	ug/L	1250	R	250	U	1250
Toluene	ug/l	514	R	283	=	263
trans-1,3-Dichloropropene	ug/L	250	R	50	U	250
1,1,2-Trichloroethane	ug/l	250	R	50	U	250
2-Hexanone	ug/l	1250	R	250	U	1250

	StationID	W004	H196GW005		H196GW005	
	SampleID	04L4LR	196GW005L4		196GW005L4LR	
	DateCollected	/2001	12/18/2001		12/18/2001	
	DateExtracted	/2001	12/26/2001		12/27/2001	
	DateAnalyzed	/2001	12/26/2001		12/27/2001	
	SDGNumber	77	53777		53777	
Parameter	**Units**					
m-Xylene	ug/l					
Chloromethane	ug/L	R	10	U	100	R
Vinyl chloride	ug/l	R	10	U	100	R
Bromomethane	ug/L	R	10	U	100	R
Chloroethane	ug/L	R	10	U	100	R
1,1-Dichloroethene	ug/L	R	10	U	100	R
Acetone	ug/l	R	61.3	U	500	R
Carbon Disulfide	ug/l	R	50	U	500	R
Methylene Chloride	ug/l	R	50	U	500	R
trans-1,2-Dichloroethene	ug/L	R	10	U	100	R
1,1-Dichloroethane	ug/L	R	10	U	100	R
Vinyl acetate	ug/L	R	50	UJ	500	R
Methyl ethyl ketone (2-Butanone)	ug/L	R	50	U	500	R
cis-1,2-Dichloroethylene	ug/l	R	10	U	100	R
1,2-Dichloroethene (total)	ug/L	R	20	U	200	R
Chloroform	ug/L	R	10	U	100	R
1,1,1-Trichloroethane	ug/l	R	10	U	100	R
Carbon Tetrachloride	ug/L	R	10	U	100	R
1,2-Dichloroethane	ug/L	R	10	U	100	R
Benzene	ug/L	R	10	U	100	R
Trichloroethylene (TCE)	ug/l	R	10	U	100	R
1,2-Dichloropropane	ug/l	R	10	U	100	R
Bromodichloromethane	ug/L	R	10	U	100	R
2-Chloroethyl vinyl ether	ug/L	R	50	U	500	R
cis-1,3-Dichloropropene	ug/L	R	10	U	100	R
Methyl isobutyl ketone (4-Methyl-2-pentanone)	ug/L	R	50	U	500	R
Toluene	ug/l	R	10	U	100	R
trans-1,3-Dichloropropene	ug/L	R	10	U	100	R
1,1,2-Trichloroethane	ug/l	R	10	U	100	R
2-Hexanone	ug/l	R	50	U	500	R

	StationID	H196GW006		H196GW008		H196(
	SampleID	196GW006L4		196GW008L4		196GW(
	DateCollected	12/18/2001		12/18/2001		12/18
	DateExtracted	12/26/2001		12/26/2001		01/04
	DateAnalyzed	12/26/2001		12/26/2001		01/04
	SDGNumber	53777		53777		53
Parameter	**Units**					
m-Xylene	ug/l					
Chloromethane	ug/L	50	U	10	U	200
Vinyl chloride	ug/l	50	U	24.9	=	200
Bromomethane	ug/L	50	U	10	U	200
Chloroethane	ug/L	50	U	10	U	200
1,1-Dichloroethene	ug/L	50	U	10	U	200
Acetone	ug/l	170	J	74	U	1000
Carbon Disulfide	ug/l	250	U	50	U	1000
Methylene Chloride	ug/l	250	U	50	U	1000
trans-1,2-Dichloroethene	ug/L	50	U	10	U	200
1,1-Dichloroethane	ug/L	50	U	10	U	200
Vinyl acetate	ug/L	250	UJ	50	UJ	1000
Methyl ethyl ketone (2-Butanone)	ug/L	250	U	50	U	1000
cis-1,2-Dichloroethylene	ug/l	50	U	20.4	=	200
1,2-Dichloroethene (total)	ug/L	100	U	20.4	=	400
Chloroform	ug/L	50	U	10	U	200
1,1,1-Trichloroethane	ug/l	50	U	10	U	200
Carbon Tetrachloride	ug/L	50	U	10	U	200
1,2-Dichloroethane	ug/L	50	U	10	U	200
Benzene	ug/L	50	U	35	=	200
Trichloroethylene (TCE)	ug/l	50	U	10	U	200
1,2-Dichloropropane	ug/l	50	U	10	U	200
Bromodichloromethane	ug/L	50	U	10	U	200
2-Chloroethyl vinyl ether	ug/L	250	U	50	U	1000
cis-1,3-Dichloropropene	ug/L	50	U	10	U	200
Methyl isobutyl ketone (4-Methyl-2-pentanone)	ug/L	250	U	50	U	1000
Toluene	ug/l	13.6	J	9.5	J	35
trans-1,3-Dichloropropene	ug/L	50	U	10	U	200
1,1,2-Trichloroethane	ug/l	50	U	10	U	200
2-Hexanone	ug/l	250	U	50	U	1000

	StationID	W008	H196GW010		H196GW010	
	SampleID	08L4LR	196GW010L4		196GW010L4LR	
	DateCollected	/2001	12/18/2001		12/18/2001	
	DateExtracted	/2002	12/26/2001		01/04/2002	
	DateAnalyzed	/2002	12/26/2001		01/04/2002	
	SDGNumber	77	53777		53777	
Parameter	**Units**					
m-Xylene	ug/l					
Chloromethane	ug/L	R	1	U	100	R
Vinyl chloride	ug/l	R	1	U	100	R
Bromomethane	ug/L	R	1	U	100	R
Chloroethane	ug/L	R	1	U	100	R
1,1-Dichloroethene	ug/L	R	1	U	100	R
Acetone	ug/l	R	5	U	500	R
Carbon Disulfide	ug/l	R	5	U	500	R
Methylene Chloride	ug/l	R	5	U	500	R
trans-1,2-Dichloroethene	ug/L	R	1	U	100	R
1,1-Dichloroethane	ug/L	R	1	U	100	R
Vinyl acetate	ug/L	R	5	UJ	500	R
Methyl ethyl ketone (2-Butanone)	ug/L	R	5	U	500	R
cis-1,2-Dichloroethylene	ug/l	R	1	U	100	R
1,2-Dichloroethene (total)	ug/L	R	2	U	200	R
Chloroform	ug/L	R	1	U	100	R
1,1,1-Trichloroethane	ug/l	R	1	U	100	R
Carbon Tetrachloride	ug/L	R	1	U	100	R
1,2-Dichloroethane	ug/L	R	1	U	100	R
Benzene	ug/L	R	2	=	100	R
Trichloroethylene (TCE)	ug/l	R	1	U	100	R
1,2-Dichloropropane	ug/l	R	1	U	100	R
Bromodichloromethane	ug/L	R	1	U	100	R
2-Chloroethyl vinyl ether	ug/L	R	5	U	500	R
cis-1,3-Dichloropropene	ug/L	R	1	U	100	R
Methyl isobutyl ketone (4-Methyl-2-pentanone)	ug/L	R	5	U	500	R
Toluene	ug/l	R	0.3	J	100	R
trans-1,3-Dichloropropene	ug/L	R	1	U	100	R
1,1,2-Trichloroethane	ug/l	R	1	U	100	R
2-Hexanone	ug/l	R	5	U	500	R

	StationID	HGELGW015		HGELGW015		H009C
	SampleID	GELGW015L4		GELGW015L4LR		009GW
	DateCollected	12/18/2001		12/18/2001		12/19
	DateExtracted	12/26/2001		12/27/2001		12/26
	DateAnalyzed	12/26/2001		12/27/2001		12/26
	SDGNumber	53777		53777		53
Parameter	**Units**					
m-Xylene	ug/l					
Chloromethane	ug/L	10	U	500	R	50
Vinyl chloride	ug/l	10	U	500	R	50
Bromomethane	ug/L	10	U	500	R	50
Chloroethane	ug/L	10	U	500	R	50
1,1-Dichloroethene	ug/L	10	U	500	R	50
Acetone	ug/l	50	U	2500	R	252
Carbon Disulfide	ug/l	50	U	2500	R	250
Methylene Chloride	ug/l	50	U	2500	R	250
trans-1,2-Dichloroethene	ug/L	10	U	500	R	50
1,1-Dichloroethane	ug/L	10	U	500	R	50
Vinyl acetate	ug/L	50	UJ	2500	R	250
Methyl ethyl ketone (2-Butanone)	ug/L	50	U	2500	R	250
cis-1,2-Dichloroethylene	ug/l	10	U	500	R	24.3
1,2-Dichloroethene (total)	ug/L	20	U	1000	R	24.3
Chloroform	ug/L	10	U	500	R	50
1,1,1-Trichloroethane	ug/l	10	U	500	R	50
Carbon Tetrachloride	ug/L	10	U	500	R	50
1,2-Dichloroethane	ug/L	10	U	500	R	50
Benzene	ug/L	128	=	500	R	17.8
Trichloroethylene (TCE)	ug/l	10	U	500	R	50
1,2-Dichloropropane	ug/l	10	U	500	R	50
Bromodichloromethane	ug/L	10	U	500	R	50
2-Chloroethyl vinyl ether	ug/L	50	U	2500	R	250
cis-1,3-Dichloropropene	ug/L	10	U	500	R	50
Methyl isobutyl ketone (4-Methyl-2-pentanone)	ug/L	50	U	2500	R	250
Toluene	ug/l	2.7	J	500	R	42.8
trans-1,3-Dichloropropene	ug/L	10	U	500	R	50
1,1,2-Trichloroethane	ug/l	10	U	500	R	50
2-Hexanone	ug/l	50	U	2500	R	250

	StationID	W021	H009GW021		H009GW022	
	SampleID	/021L4	009GW021L4LR		009GW022L4	
	DateCollected	/2001	12/19/2001		12/19/2001	
	DateExtracted	/2001	12/27/2001		12/26/2001	
	DateAnalyzed	/2001	12/27/2001		12/26/2001	
	SDGNumber	77	53777		53777	
Parameter	**Units**					
m-Xylene	ug/l					
Chloromethane	ug/L	U	500	R	1	U
Vinyl chloride	ug/l	U	500	R	1	U
Bromomethane	ug/L	U	500	R	1	U
Chloroethane	ug/L	U	500	R	1	U
1,1-Dichloroethene	ug/L	U	500	R	1	U
Acetone	ug/l	=	2500	R	5	U
Carbon Disulfide	ug/l	U	2500	R	5	U
Methylene Chloride	ug/l	U	2500	R	5	U
trans-1,2-Dichloroethene	ug/L	U	500	R	1	U
1,1-Dichloroethane	ug/L	U	500	R	1	U
Vinyl acetate	ug/L	UJ	2500	R	5	UJ
Methyl ethyl ketone (2-Butanone)	ug/L	U	2500	R	5	U
cis-1,2-Dichloroethylene	ug/l	J	500	R	24.9	=
1,2-Dichloroethene (total)	ug/L	J	1000	R	24.9	=
Chloroform	ug/L	U	500	R	1	U
1,1,1-Trichloroethane	ug/l	U	500	R	1	U
Carbon Tetrachloride	ug/L	U	500	R	1	U
1,2-Dichloroethane	ug/L	U	500	R	1	U
Benzene	ug/L	J	500	R	0.9	J
Trichloroethylene (TCE)	ug/l	U	500	R	10.3	=
1,2-Dichloropropane	ug/l	U	500	R	1	U
Bromodichloromethane	ug/L	U	500	R	1	U
2-Chloroethyl vinyl ether	ug/L	U	2500	R	5	U
cis-1,3-Dichloropropene	ug/L	U	500	R	1	U
Methyl isobutyl ketone (4-Methyl-2-pentanone)	ug/L	U	2500	R	5	U
Toluene	ug/l	J	88.2	R	0.5	J
trans-1,3-Dichloropropene	ug/L	U	500	R	1	U
1,1,2-Trichloroethane	ug/l	U	500	R	1	U
2-Hexanone	ug/l	U	2500	R	5	U

	StationID	H009GW022		H196GW007		H196(
	SampleID	009GW022L4LR		196GW007L4		196GW(
	DateCollected	12/19/2001		12/19/2001		12/19
	DateExtracted	12/27/2001		12/26/2001		12/27
	DateAnalyzed	12/27/2001		12/26/2001		12/27
	SDGNumber	53777		53777		53
Parameter	**Units**					
m-Xylene	ug/l					
Chloromethane	ug/L	50	R	10	U	100
Vinyl chloride	ug/l	50	R	10	U	100
Bromomethane	ug/L	50	R	10	U	100
Chloroethane	ug/L	50	R	10	U	100
1,1-Dichloroethene	ug/L	50	R	10	U	100
Acetone	ug/l	250	R	79.4	U	500
Carbon Disulfide	ug/l	250	R	50	U	500
Methylene Chloride	ug/l	250	R	50	U	500
trans-1,2-Dichloroethene	ug/L	50	R	10	U	100
1,1-Dichloroethane	ug/L	50	R	10	U	100
Vinyl acetate	ug/L	250	R	50	UJ	500
Methyl ethyl ketone (2-Butanone)	ug/L	250	R	50	U	500
cis-1,2-Dichloroethylene	ug/l	23.9	R	10	U	100
1,2-Dichloroethene (total)	ug/L	23.9	R	20	U	200
Chloroform	ug/L	50	R	10	U	100
1,1,1-Trichloroethane	ug/l	50	R	10	U	100
Carbon Tetrachloride	ug/L	50	R	10	U	100
1,2-Dichloroethane	ug/L	50	R	10	U	100
Benzene	ug/L	50	R	32.5	=	34
Trichloroethylene (TCE)	ug/l	50	R	10	U	100
1,2-Dichloropropane	ug/l	50	R	10	U	100
Bromodichloromethane	ug/L	50	R	10	U	100
2-Chloroethyl vinyl ether	ug/L	250	R	50	U	500
cis-1,3-Dichloropropene	ug/L	50	R	10	U	100
Methyl isobutyl ketone (4-Methyl-2-pentanone)	ug/L	250	R	50	U	500
Toluene	ug/l	50	R	2.2	J	100
trans-1,3-Dichloropropene	ug/L	50	R	10	U	100
1,1,2-Trichloroethane	ug/l	50	R	10	U	100
2-Hexanone	ug/l	250	R	50	U	500

	StationID	GW007	H196GW009		H196GW009	
	SampleID	007L4LR	196GW009L4		196GW009L4LR	
	DateCollected	/2001	12/19/2001		12/19/2001	
	DateExtracted	/2001	12/26/2001		01/04/2002	
	DateAnalyzed	/2001	12/26/2001		01/04/2002	
	SDGNumber	77	53777		53777	
Parameter	**Units**					
m-Xylene	ug/l					
Chloromethane	ug/L	R	10	U	500	R
Vinyl chloride	ug/l	R	10	U	500	R
Bromomethane	ug/L	R	10	U	500	R
Chloroethane	ug/L	R	10	U	500	R
1,1-Dichloroethene	ug/L	R	10	U	500	R
Acetone	ug/l	R	57	U	2500	R
Carbon Disulfide	ug/l	R	50	U	2500	R
Methylene Chloride	ug/l	R	13.4	J	2500	R
trans-1,2-Dichloroethene	ug/L	R	10	U	500	R
1,1-Dichloroethane	ug/L	R	10	U	500	R
Vinyl acetate	ug/L	R	50	UJ	2500	R
Methyl ethyl ketone (2-Butanone)	ug/L	R	50	U	2500	R
cis-1,2-Dichloroethylene	ug/l	R	18.8	=	500	R
1,2-Dichloroethene (total)	ug/L	R	18.8	J	1000	R
Chloroform	ug/L	R	10	U	500	R
1,1,1-Trichloroethane	ug/l	R	10	U	500	R
Carbon Tetrachloride	ug/L	R	10	U	500	R
1,2-Dichloroethane	ug/L	R	10	U	500	R
Benzene	ug/L	R	335	=	414	R
Trichloroethylene (TCE)	ug/l	R	6.6	J	500	R
1,2-Dichloropropane	ug/l	R	10	U	500	R
Bromodichloromethane	ug/L	R	10	U	500	R
2-Chloroethyl vinyl ether	ug/L	R	50	U	2500	R
cis-1,3-Dichloropropene	ug/L	R	10	U	500	R
Methyl isobutyl ketone (4-Methyl-2-pentanone)	ug/L	R	50	U	2500	R
Toluene	ug/l	R	180	=	443	R
trans-1,3-Dichloropropene	ug/L	R	10	U	500	R
1,1,2-Trichloroethane	ug/l	R	10	U	500	R
2-Hexanone	ug/l	R	50	U	2500	R

	StationID	H009GW020		H009GW020		H009G
	SampleID	009GW020M1		009GW020M1LR		009GW
	DateCollected	02/08/2002		02/08/2002		02/08
	DateExtracted	02/13/2002		02/14/2002		02/13
	DateAnalyzed	02/13/2002		02/14/2002		02/13
	SDGNumber	55885		55885		55
Parameter	**Units**					
m-Xylene	ug/l					
Chloromethane	ug/L	10	U	5000	R	500
Vinyl chloride	ug/l	10	U	5000	R	500
Bromomethane	ug/L	10	U	5000	R	500
Chloroethane	ug/L	10	U	5000	R	500
1,1-Dichloroethene	ug/L	5	U	2500	R	250
Acetone	ug/l	3.8	J	5000	R	500
Carbon Disulfide	ug/l	5	U	2500	R	250
Methylene Chloride	ug/l	0.78	J	2500	R	52
trans-1,2-Dichloroethene	ug/L	5	U	2500	R	250
1,1-Dichloroethane	ug/L	5	U	2500	R	250
Vinyl acetate	ug/L	10	U	5000	R	500
Methyl ethyl ketone (2-Butanone)	ug/L	10	U	5000	R	500
cis-1,2-Dichloroethylene	ug/l	5	U	2500	R	26.6
1,2-Dichloroethene (total)	ug/L	5	U	2500	R	26.6
Chloroform	ug/L	5	U	2500	R	250
1,1,1-Trichloroethane	ug/l	5	U	2500	R	250
Carbon Tetrachloride	ug/L	5	U	2500	R	250
1,2-Dichloroethane	ug/L	5	U	2500	R	250
Benzene	ug/L	15.1	=	2500	R	24.3
Trichloroethylene (TCE)	ug/l	5	U	2500	R	250
1,2-Dichloropropane	ug/l	5	U	2500	R	250
Bromodichloromethane	ug/L	5	U	2500	R	250
2-Chloroethyl vinyl ether	ug/L	5	U	2500	R	250
cis-1,3-Dichloropropene	ug/L	5	U	2500	R	250
Methyl isobutyl ketone (4-Methyl-2-pentanone)	ug/L	10	U	5000	R	500
Toluene	ug/l	0.31	J	2500	R	25
trans-1,3-Dichloropropene	ug/L	5	U	2500	R	250
1,1,2-Trichloroethane	ug/l	5	U	2500	R	250
2-Hexanone	ug/l	10	U	5000	R	500

	StationID	GW021	H009GW021		H009GW022	
	SampleID	021M1	009GW021M1LR		009GW022M1	
	DateCollected	/2002	02/08/2002		02/08/2002	
	DateExtracted	/2002	02/15/2002		02/13/2002	
	DateAnalyzed	/2002	02/15/2002		02/13/2002	
	SDGNumber	385	55885		55885	
Parameter	**Units**					
m-Xylene	ug/l					
Chloromethane	ug/L	U	1000	R	10	U
Vinyl chloride	ug/l	U	1000	R	0.47	J
Bromomethane	ug/L	U	1000	R	10	U
Chloroethane	ug/L	U	1000	R	10	U
1,1-Dichloroethene	ug/L	U	500	R	5	U
Acetone	ug/l	U	1000	R	3.2	J
Carbon Disulfide	ug/l	U	500	R	5	U
Methylene Chloride	ug/l	J	500	R	0.83	J
trans-1,2-Dichloroethene	ug/L	U	500	R	5	U
1,1-Dichloroethane	ug/L	U	500	R	5	U
Vinyl acetate	ug/L	U	1000	R	10	U
Methyl ethyl ketone (2-Butanone)	ug/L	U	1000	R	10	U
cis-1,2-Dichloroethylene	ug/l	J	500	R	23.6	=
1,2-Dichloroethene (total)	ug/L	J	500	R	23.6	=
Chloroform	ug/L	U	500	R	5	U
1,1,1-Trichloroethane	ug/l	U	500	R	5	U
Carbon Tetrachloride	ug/L	U	500	R	5	U
1,2-Dichloroethane	ug/L	U	500	R	5	U
Benzene	ug/L	J	500	R	0.94	J
Trichloroethylene (TCE)	ug/l	U	500	R	8.7	=
1,2-Dichloropropane	ug/l	U	500	R	5	U
Bromodichloromethane	ug/L	U	500	R	5	U
2-Chloroethyl vinyl ether	ug/L	U	500	R	5	U
cis-1,3-Dichloropropene	ug/L	U	500	R	5	U
Methyl isobutyl ketone (4-Methyl-2-pentanone)	ug/L	U	1000	R	10	U
Toluene	ug/l	J	18.6	R	0.28	J
trans-1,3-Dichloropropene	ug/L	U	500	R	5	U
1,1,2-Trichloroethane	ug/l	U	500	R	5	U
2-Hexanone	ug/l	U	1000	R	10	U

	StationID	H009GW022		H009GW022		H009G
	SampleID	009GW022M1LR		009HW022M1		009HWC
	DateCollected	02/08/2002		02/08/2002		02/08
	DateExtracted	02/15/2002		02/13/2002		02/15
	DateAnalyzed	02/15/2002		02/13/2002		02/15
	SDGNumber	55885		55885		55
Parameter	**Units**					
m-Xylene	ug/l					
Chloromethane	ug/L	2500	R	10	U	2500
Vinyl chloride	ug/l	2500	R	0.46	J	2500
Bromomethane	ug/L	2500	R	10	U	2500
Chloroethane	ug/L	2500	R	10	U	2500
1,1-Dichloroethene	ug/L	1250	R	5	U	1250
Acetone	ug/l	2500	R	10	U	2500
Carbon Disulfide	ug/l	1250	R	5	U	1250
Methylene Chloride	ug/l	1250	R	0.74	J	1250
trans-1,2-Dichloroethene	ug/L	1250	R	5	U	1250
1,1-Dichloroethane	ug/L	1250	R	5	U	1250
Vinyl acetate	ug/L	2500	R	10	U	2500
Methyl ethyl ketone (2-Butanone)	ug/L	2500	R	10	U	2500
cis-1,2-Dichloroethylene	ug/l	1250	R	23.4	=	1250
1,2-Dichloroethene (total)	ug/L	1250	R	23.4	=	1250
Chloroform	ug/L	1250	R	5	U	1250
1,1,1-Trichloroethane	ug/l	1250	R	5	U	1250
Carbon Tetrachloride	ug/L	1250	R	5	U	1250
1,2-Dichloroethane	ug/L	1250	R	5	U	1250
Benzene	ug/L	1250	R	0.91	J	1250
Trichloroethylene (TCE)	ug/l	1250	R	8.7	=	1250
1,2-Dichloropropane	ug/l	1250	R	5	U	1250
Bromodichloromethane	ug/L	1250	R	5	U	1250
2-Chloroethyl vinyl ether	ug/L	1250	R	5	U	1250
cis-1,3-Dichloropropene	ug/L	1250	R	5	U	1250
Methyl isobutyl ketone (4-Methyl-2-pentanone)	ug/L	2500	R	10	U	2500
Toluene	ug/l	1250	R	0.28	J	1250
trans-1,3-Dichloropropene	ug/L	1250	R	5	U	1250
1,1,2-Trichloroethane	ug/l	1250	R	5	U	1250
2-Hexanone	ug/l	2500	R	10	U	2500

	StationID	GW022	H196GW004		H196GW004	
	SampleID	22M1LR	196GW004M1		196GW004M1LR	
	DateCollected	/2002	02/08/2002		02/08/2002	
	DateExtracted	/2002	02/13/2002		02/14/2002	
	DateAnalyzed	/2002	02/13/2002		02/14/2002	
	SDGNumber	385	55885		55885	
Parameter	**Units**					
m-Xylene	ug/l					
Chloromethane	ug/L	R	500	U	5000	R
Vinyl chloride	ug/l	R	500	U	5000	R
Bromomethane	ug/L	R	500	U	5000	R
Chloroethane	ug/L	R	500	U	5000	R
1,1-Dichloroethene	ug/L	R	250	U	2500	R
Acetone	ug/l	R	210	J	5000	R
Carbon Disulfide	ug/l	R	250	U	2500	R
Methylene Chloride	ug/l	R	62.1	J	2500	R
trans-1,2-Dichloroethene	ug/L	R	250	U	2500	R
1,1-Dichloroethane	ug/L	R	250	U	2500	R
Vinyl acetate	ug/L	R	500	U	5000	R
Methyl ethyl ketone (2-Butanone)	ug/L	R	500	U	5000	R
cis-1,2-Dichloroethylene	ug/l	R	95	J	2500	R
1,2-Dichloroethene (total)	ug/L	R	95	J	2500	R
Chloroform	ug/L	R	250	U	2500	R
1,1,1-Trichloroethane	ug/l	R	250	U	2500	R
Carbon Tetrachloride	ug/L	R	250	U	2500	R
1,2-Dichloroethane	ug/L	R	250	U	2500	R
Benzene	ug/L	R	461	=	355	R
Trichloroethylene (TCE)	ug/l	R	30.5	J	2500	R
1,2-Dichloropropane	ug/l	R	250	U	2500	R
Bromodichloromethane	ug/L	R	250	U	2500	R
2-Chloroethyl vinyl ether	ug/L	R	250	U	2500	R
cis-1,3-Dichloropropene	ug/L	R	250	U	2500	R
Methyl isobutyl ketone (4-Methyl-2-pentanone)	ug/L	R	500	U	5000	R
Toluene	ug/l	R	97.1	J	2500	R
trans-1,3-Dichloropropene	ug/L	R	250	U	2500	R
1,1,2-Trichloroethane	ug/l	R	250	U	2500	R
2-Hexanone	ug/l	R	500	U	5000	R

	StationID	H196GW005		H196GW005		H196(
	SampleID	196GW005M1		196GW005M1LR		196GW
	DateCollected	02/08/2002		02/08/2002		02/08
	DateExtracted	02/13/2002		02/14/2002		02/13
	DateAnalyzed	02/13/2002		02/14/2002		02/13
	SDGNumber	55885		55885		55
Parameter	**Units**					
m-Xylene	ug/l					
Chloromethane	ug/L	500	U	5000	R	500
Vinyl chloride	ug/l	500	U	5000	R	500
Bromomethane	ug/L	500	U	5000	R	500
Chloroethane	ug/L	500	U	5000	R	500
1,1-Dichloroethene	ug/L	250	U	2500	R	250
Acetone	ug/l	147	J	5000	R	153
Carbon Disulfide	ug/l	250	U	2500	R	250
Methylene Chloride	ug/l	76.8	J	2500	R	61.7
trans-1,2-Dichloroethene	ug/L	250	U	2500	R	250
1,1-Dichloroethane	ug/L	250	U	2500	R	250
Vinyl acetate	ug/L	500	U	5000	R	500
Methyl ethyl ketone (2-Butanone)	ug/L	500	U	5000	R	500
cis-1,2-Dichloroethylene	ug/l	250	U	2500	R	250
1,2-Dichloroethene (total)	ug/L	250	U	2500	R	250
Chloroform	ug/L	250	U	2500	R	250
1,1,1-Trichloroethane	ug/l	250	U	2500	R	250
Carbon Tetrachloride	ug/L	250	U	2500	R	250
1,2-Dichloroethane	ug/L	250	U	2500	R	250
Benzene	ug/L	250	U	2500	R	15.1
Trichloroethylene (TCE)	ug/l	250	U	2500	R	250
1,2-Dichloropropane	ug/l	250	U	2500	R	250
Bromodichloromethane	ug/L	250	U	2500	R	250
2-Chloroethyl vinyl ether	ug/L	250	U	2500	R	250
cis-1,3-Dichloropropene	ug/L	250	U	2500	R	250
Methyl isobutyl ketone (4-Methyl-2-pentanone)	ug/L	500	U	5000	R	500
Toluene	ug/l	250	U	2500	R	250
trans-1,3-Dichloropropene	ug/L	250	U	2500	R	250
1,1,2-Trichloroethane	ug/l	250	U	2500	R	250
2-Hexanone	ug/l	500	U	5000	R	500

	StationID	W006	H196GW006		H196GW007	
	SampleID	006M1	196GW006M1LR		196GW007M1	
	DateCollected	/2002	02/08/2002		02/08/2002	
	DateExtracted	/2002	02/15/2002		02/14/2002	
	DateAnalyzed	/2002	02/15/2002		02/14/2002	
	SDGNumber	385	55885		55885	
Parameter	**Units**					
m-Xylene	ug/l					
Chloromethane	ug/L	U	1000	R	500	U
Vinyl chloride	ug/l	U	1000	R	500	U
Bromomethane	ug/L	U	1000	R	500	U
Chloroethane	ug/L	U	1000	R	500	U
1,1-Dichloroethene	ug/L	U	500	R	250	U
Acetone	ug/l	J	1000	R	500	U
Carbon Disulfide	ug/l	U	500	R	250	U
Methylene Chloride	ug/l	J	500	R	97.6	J
trans-1,2-Dichloroethene	ug/L	U	500	R	250	U
1,1-Dichloroethane	ug/L	U	500	R	250	U
Vinyl acetate	ug/L	U	1000	R	500	U
Methyl ethyl ketone (2-Butanone)	ug/L	U	1000	R	500	U
cis-1,2-Dichloroethylene	ug/l	U	500	R	250	U
1,2-Dichloroethene (total)	ug/L	U	500	R	250	U
Chloroform	ug/L	U	500	R	250	U
1,1,1-Trichloroethane	ug/l	U	500	R	250	U
Carbon Tetrachloride	ug/L	U	500	R	250	U
1,2-Dichloroethane	ug/L	U	500	R	250	U
Benzene	ug/L	J	500	R	45.2	J
Trichloroethylene (TCE)	ug/l	U	500	R	250	U
1,2-Dichloropropane	ug/l	U	500	R	250	U
Bromodichloromethane	ug/L	U	500	R	250	U
2-Chloroethyl vinyl ether	ug/L	U	500	R	250	U
cis-1,3-Dichloropropene	ug/L	U	500	R	250	U
Methyl isobutyl ketone (4-Methyl-2-pentanone)	ug/L	U	1000	R	500	U
Toluene	ug/l	U	500	R	250	U
trans-1,3-Dichloropropene	ug/L	U	500	R	250	U
1,1,2-Trichloroethane	ug/l	U	500	R	250	U
2-Hexanone	ug/l	U	1000	R	500	U

	StationID	H196GW007		H196GW008		H196(
	SampleID	196GW007M1LR		196GW008M1		196GW
	DateCollected	02/08/2002		02/08/2002		02/08
	DateExtracted	02/15/2002		02/15/2002		02/15
	DateAnalyzed	02/15/2002		02/15/2002		02/15
	SDGNumber	55885		55885		55
Parameter	**Units**					
m-Xylene	ug/l					
Chloromethane	ug/L	2500	R	1000	U	2500
Vinyl chloride	ug/l	2500	R	1000	U	2500
Bromomethane	ug/L	2500	R	1000	U	2500
Chloroethane	ug/L	2500	R	1000	U	2500
1,1-Dichloroethene	ug/L	1250	R	500	U	1250
Acetone	ug/l	2500	R	1000	U	2500
Carbon Disulfide	ug/l	1250	R	500	UJ	1250
Methylene Chloride	ug/l	1250	R	500	U	1250
trans-1,2-Dichloroethene	ug/L	1250	R	500	U	1250
1,1-Dichloroethane	ug/L	1250	R	500	U	1250
Vinyl acetate	ug/L	2500	R	1000	UJ	2500
Methyl ethyl ketone (2-Butanone)	ug/L	2500	R	1000	U	2500
cis-1,2-Dichloroethylene	ug/l	1250	R	500	U	1250
1,2-Dichloroethene (total)	ug/L	1250	R	500	U	1250
Chloroform	ug/L	1250	R	500	U	1250
1,1,1-Trichloroethane	ug/l	1250	R	500	U	1250
Carbon Tetrachloride	ug/L	1250	R	500	U	1250
1,2-Dichloroethane	ug/L	1250	R	500	U	1250
Benzene	ug/L	1250	R	73.1	J	721
Trichloroethylene (TCE)	ug/l	1250	R	500	U	1250
1,2-Dichloropropane	ug/l	1250	R	500	U	1250
Bromodichloromethane	ug/L	1250	R	500	U	1250
2-Chloroethyl vinyl ether	ug/L	1250	R	500	U	1250
cis-1,3-Dichloropropene	ug/L	1250	R	500	U	1250
Methyl isobutyl ketone (4-Methyl-2-pentanone)	ug/L	2500	R	1000	U	2500
Toluene	ug/l	1250	R	500	U	66.6
trans-1,3-Dichloropropene	ug/L	1250	R	500	U	1250
1,1,2-Trichloroethane	ug/l	1250	R	500	U	1250
2-Hexanone	ug/l	2500	R	1000	U	2500

	StationID	GW009	H196GW010		H196GW010	
	SampleID	009M1	196GW010M1		196GW010M1LR	
	DateCollected	/2002	02/08/2002		02/08/2002	
	DateExtracted	/2002	02/14/2002		02/15/2002	
	DateAnalyzed	/2002	02/14/2002		02/15/2002	
	SDGNumber	385	55885		55885	
Parameter	**Units**					
m-Xylene	ug/l					
Chloromethane	ug/L	U	10	U	2500	R
Vinyl chloride	ug/l	U	10	U	2500	R
Bromomethane	ug/L	U	10	U	2500	R
Chloroethane	ug/L	U	10	U	2500	R
1,1-Dichloroethene	ug/L	U	5	U	1250	R
Acetone	ug/l	U	3.5	J	2500	R
Carbon Disulfide	ug/l	UJ	5	U	1250	R
Methylene Chloride	ug/l	U	0.78	J	1250	R
trans-1,2-Dichloroethene	ug/L	U	5	U	1250	R
1,1-Dichloroethane	ug/L	U	5	U	1250	R
Vinyl acetate	ug/L	UJ	10	U	2500	R
Methyl ethyl ketone (2-Butanone)	ug/L	U	10	U	2500	R
cis-1,2-Dichloroethylene	ug/l	U	5	U	1250	R
1,2-Dichloroethene (total)	ug/L	U	5	U	1250	R
Chloroform	ug/L	U	5	U	1250	R
1,1,1-Trichloroethane	ug/l	U	5	U	1250	R
Carbon Tetrachloride	ug/L	U	5	U	1250	R
1,2-Dichloroethane	ug/L	U	5	U	1250	R
Benzene	ug/L	J	2.3	J	1250	R
Trichloroethylene (TCE)	ug/l	U	5	U	1250	R
1,2-Dichloropropane	ug/l	U	5	U	1250	R
Bromodichloromethane	ug/L	U	5	U	1250	R
2-Chloroethyl vinyl ether	ug/L	U	5	U	1250	R
cis-1,3-Dichloropropene	ug/L	U	5	U	1250	R
Methyl isobutyl ketone (4-Methyl-2-pentanone)	ug/L	U	10	U	2500	R
Toluene	ug/l	J	0.19	J	1250	R
trans-1,3-Dichloropropene	ug/L	U	5	U	1250	R
1,1,2-Trichloroethane	ug/l	U	5	U	1250	R
2-Hexanone	ug/l	U	10	U	2500	R

	StationID	HGELGW015		HGELGW015		H196C
	SampleID	GELGW015M1		GELGW015M1LR		196GW
	DateCollected	02/08/2002		02/08/2002		02/11
	DateExtracted	02/13/2002		02/14/2002		02/14
	DateAnalyzed	02/13/2002		02/14/2002		02/14
	SDGNumber	55885		55885		55
Parameter	**Units**					
m-Xylene	ug/l					
Chloromethane	ug/L	10	U	5000	R	10
Vinyl chloride	ug/l	0.48	J	5000	R	11.6
Bromomethane	ug/L	10	U	5000	R	10
Chloroethane	ug/L	10	U	5000	R	10
1,1-Dichloroethene	ug/L	5	U	2500	R	5
Acetone	ug/l	3.8	J	5000	R	10
Carbon Disulfide	ug/l	5	U	2500	R	5
Methylene Chloride	ug/l	0.97	J	2500	R	0.55
trans-1,2-Dichloroethene	ug/L	5	U	2500	R	5
1,1-Dichloroethane	ug/L	5	U	2500	R	5
Vinyl acetate	ug/L	10	U	5000	R	10
Methyl ethyl ketone (2-Butanone)	ug/L	10	U	5000	R	10
cis-1,2-Dichloroethylene	ug/l	0.72	J	2500	R	14.4
1,2-Dichloroethene (total)	ug/L	0.72	J	2500	R	14.4
Chloroform	ug/L	5	U	2500	R	5
1,1,1-Trichloroethane	ug/l	5	U	2500	R	5
Carbon Tetrachloride	ug/L	5	U	2500	R	5
1,2-Dichloroethane	ug/L	5	U	2500	R	5
Benzene	ug/L	95.6	=	2500	R	0.8
Trichloroethylene (TCE)	ug/l	0.48	J	2500	R	10.6
1,2-Dichloropropane	ug/l	5	U	2500	R	5
Bromodichloromethane	ug/L	5	U	2500	R	5
2-Chloroethyl vinyl ether	ug/L	5	U	2500	R	5
cis-1,3-Dichloropropene	ug/L	5	U	2500	R	5
Methyl isobutyl ketone (4-Methyl-2-pentanone)	ug/L	10	U	5000	R	10
Toluene	ug/l	1.2	J	2500	R	0.18
trans-1,3-Dichloropropene	ug/L	5	U	2500	R	5
1,1,2-Trichloroethane	ug/l	5	U	2500	R	5
2-Hexanone	ug/l	10	U	5000	R	10

	StationID	W011	H196GW012		H196GW013	
	SampleID	011M1	196GW012M1		196GW013M1	
	DateCollected	/2002	02/11/2002		02/11/2002	
	DateExtracted	/2002	02/14/2002		02/14/2002	
	DateAnalyzed	/2002	02/14/2002		02/14/2002	
	SDGNumber	53	55953		55953	
Parameter	**Units**					
m-Xylene	ug/l					
Chloromethane	ug/L	U	10	U	500	U
Vinyl chloride	ug/l	=	10	U	500	U
Bromomethane	ug/L	U	10	U	500	U
Chloroethane	ug/L	U	10	U	500	U
1,1-Dichloroethene	ug/L	U	5	U	250	U
Acetone	ug/l	U	3.2	J	500	U
Carbon Disulfide	ug/l	UJ	5	UJ	250	U
Methylene Chloride	ug/l	J	5	U	114	J
trans-1,2-Dichloroethene	ug/L	U	5	U	250	U
1,1-Dichloroethane	ug/L	U	5	U	250	U
Vinyl acetate	ug/L	UJ	10	UJ	500	U
Methyl ethyl ketone (2-Butanone)	ug/L	U	10	U	500	U
cis-1,2-Dichloroethylene	ug/l	=	5	U	250	U
1,2-Dichloroethene (total)	ug/L	=	5	U	250	U
Chloroform	ug/L	U	5	U	250	U
1,1,1-Trichloroethane	ug/l	U	5	U	250	U
Carbon Tetrachloride	ug/L	U	5	U	250	U
1,2-Dichloroethane	ug/L	U	5	U	250	U
Benzene	ug/L	J	0.73	J	2840	=
Trichloroethylene (TCE)	ug/l	=	5	U	250	U
1,2-Dichloropropane	ug/l	U	5	U	250	U
Bromodichloromethane	ug/L	U	5	U	250	U
2-Chloroethyl vinyl ether	ug/L	U	5	U	250	U
cis-1,3-Dichloropropene	ug/L	U	5	U	250	U
Methyl isobutyl ketone (4-Methyl-2-pentanone)	ug/L	U	10	U	500	U
Toluene	ug/l	J	5	U	250	U
trans-1,3-Dichloropropene	ug/L	U	5	U	250	U
1,1,2-Trichloroethane	ug/l	U	5	U	250	U
2-Hexanone	ug/l	U	10	U	500	U

	StationID	H196GW013		H196GW014		H196(
	SampleID	196GW013M1LR		196GW014M1		196GW
	DateCollected	02/11/2002		02/11/2002		02/11
	DateExtracted	02/15/2002		02/14/2002		02/15
	DateAnalyzed	02/15/2002		02/14/2002		02/15
	SDGNumber	55953		55953		55
Parameter	**Units**					
m-Xylene	ug/l					
Chloromethane	ug/L	2500	R	5000	U	2500
Vinyl chloride	ug/l	2500	R	5000	U	2500
Bromomethane	ug/L	2500	R	5000	U	2500
Chloroethane	ug/L	2500	R	5000	U	2500
1,1-Dichloroethene	ug/L	1250	R	2500	U	1250
Acetone	ug/l	2500	R	5000	U	2500
Carbon Disulfide	ug/l	1250	R	2500	UJ	1250
Methylene Chloride	ug/l	1250	R	2500	U	1250
trans-1,2-Dichloroethene	ug/L	1250	R	2500	U	1250
1,1-Dichloroethane	ug/L	1250	R	2500	U	1250
Vinyl acetate	ug/L	2500	R	5000	UJ	2500
Methyl ethyl ketone (2-Butanone)	ug/L	2500	R	5000	U	2500
cis-1,2-Dichloroethylene	ug/l	1250	R	2500	U	1250
1,2-Dichloroethene (total)	ug/L	1250	R	2500	U	1250
Chloroform	ug/L	1250	R	2500	U	1250
1,1,1-Trichloroethane	ug/l	1250	R	2500	U	1250
Carbon Tetrachloride	ug/L	1250	R	2500	U	1250
1,2-Dichloroethane	ug/L	1250	R	2500	U	1250
Benzene	ug/L	2780	R	796	J	1500
Trichloroethylene (TCE)	ug/l	1250	R	2500	U	1250
1,2-Dichloropropane	ug/l	1250	R	2500	U	1250
Bromodichloromethane	ug/L	1250	R	2500	U	1250
2-Chloroethyl vinyl ether	ug/L	1250	R	2500	U	1250
cis-1,3-Dichloropropene	ug/L	1250	R	2500	U	1250
Methyl isobutyl ketone (4-Methyl-2-pentanone)	ug/L	2500	R	5000	U	2500
Toluene	ug/l	1250	R	296	J	1250
trans-1,3-Dichloropropene	ug/L	1250	R	2500	U	1250
1,1,2-Trichloroethane	ug/l	1250	R	2500	U	1250
2-Hexanone	ug/l	2500	R	5000	U	2500

	StationID	W015	H196GW016		H196GW017	
	SampleID	015M1	196GW016M3		196GW017M3	
	DateCollected	/2002	03/11/2002		03/11/2002	
	DateExtracted	/2002	03/14/2002		03/14/2002	
	DateAnalyzed	/2002	03/14/2002		03/14/2002	
	SDGNumber	953	57356		57356	
Parameter	**Units**					
m-Xylene	ug/l					
Chloromethane	ug/L	U	50	U	20	U
Vinyl chloride	ug/l	U	3.2	J	67.3	=
Bromomethane	ug/L	U	50	UJ	20	UJ
Chloroethane	ug/L	U	50	U	20	U
1,1-Dichloroethene	ug/L	U	25	U	10	U
Acetone	ug/l	U	50	U	20	U
Carbon Disulfide	ug/l	U	25	UJ	10	UJ
Methylene Chloride	ug/l	UJ	25	U	10	U
trans-1,2-Dichloroethene	ug/L	U	25	U	10	U
1,1-Dichloroethane	ug/L	U	25	U	0.94	J
Vinyl acetate	ug/L	UJ	50	U	20	U
Methyl ethyl ketone (2-Butanone)	ug/L	U	50	U	20	U
cis-1,2-Dichloroethylene	ug/l	U	2.4	J	23.8	=
1,2-Dichloroethene (total)	ug/L	U	2.4	J	23.8	=
Chloroform	ug/L	U	25	U	10	U
1,1,1-Trichloroethane	ug/l	U	25	U	10	U
Carbon Tetrachloride	ug/L	U	25	U	10	U
1,2-Dichloroethane	ug/L	U	25	U	10	U
Benzene	ug/L	=	1.5	J	0.68	J
Trichloroethylene (TCE)	ug/l	U	2.4	J	3.3	J
1,2-Dichloropropane	ug/l	U	25	U	10	U
Bromodichloromethane	ug/L	U	25	U	10	U
2-Chloroethyl vinyl ether	ug/L	U	25	UJ	10	UJ
cis-1,3-Dichloropropene	ug/L	U	25	U	10	U
Methyl isobutyl ketone (4-Methyl-2-pentanone)	ug/L	U	50	U	20	U
Toluene	ug/l	U	25	U	10	U
trans-1,3-Dichloropropene	ug/L	U	25	U	10	U
1,1,2-Trichloroethane	ug/l	U	25	U	10	U
2-Hexanone	ug/l	U	50	U	20	U

	StationID	H009GW020		H009GW020		H196(
	SampleID	009GW020M4		009GW020M4DL		196GW
	DateCollected	03/20/2002		03/20/2002		03/20
	DateExtracted	03/27/2002		03/28/2002		03/28
	DateAnalyzed	03/27/2002		03/28/2002		03/28
	SDGNumber	CNC77		CNC77		CN
Parameter	**Units**					
m-Xylene	ug/l					
Chloromethane	ug/L	100	U	500	R	50
Vinyl chloride	ug/l	100	U	500	R	50
Bromomethane	ug/L	100	U	500	R	50
Chloroethane	ug/L	100	U	500	R	50
1,1-Dichloroethene	ug/L	50	U	250	R	25
Acetone	ug/l	100	UJ	500	R	50
Carbon Disulfide	ug/l	50	U	250	R	25
Methylene Chloride	ug/l	50	U	250	R	25
trans-1,2-Dichloroethene	ug/L	50	U	250	R	25
1,1-Dichloroethane	ug/L	50	U	250	R	25
Vinyl acetate	ug/L	100	U	500	R	50
Methyl ethyl ketone (2-Butanone)	ug/L	100	U	500	R	50
cis-1,2-Dichloroethylene	ug/l	50	U	250	R	25
1,2-Dichloroethene (total)	ug/L	50	U	250	R	25
Chloroform	ug/L	50	U	250	R	25
1,1,1-Trichloroethane	ug/l	50	U	250	R	25
Carbon Tetrachloride	ug/L	50	U	250	R	25
1,2-Dichloroethane	ug/L	50	U	250	R	25
Benzene	ug/L	5.2	J	250	R	13
Trichloroethylene (TCE)	ug/l	50	U	250	R	25
1,2-Dichloropropane	ug/l	50	U	250	R	25
Bromodichloromethane	ug/L	50	U	250	R	25
2-Chloroethyl vinyl ether	ug/L	100	UJ	500	R	50
cis-1,3-Dichloropropene	ug/L	50	U	250	R	25
Methyl isobutyl ketone (4-Methyl-2-pentanone)	ug/L	100	UJ	500	R	50
Toluene	ug/l	50	U	250	R	25
trans-1,3-Dichloropropene	ug/L	50	U	250	R	25
1,1,2-Trichloroethane	ug/l	50	U	250	R	25
2-Hexanone	ug/l	100	UJ	500	R	50

	StationID	W006	H196GW010		HGELGW015	
	SampleID	006M4	196GW010M4		GELGW015M4	
	DateCollected	/2002	03/20/2002		03/20/2002	
	DateExtracted	/2002	03/28/2002		03/28/2002	
	DateAnalyzed	/2002	03/28/2002		03/28/2002	
	SDGNumber	C77	CNC77		CNC77	
Parameter	**Units**					
m-Xylene	ug/l					
Chloromethane	ug/L	U	50	U	20	U
Vinyl chloride	ug/l	U	50	U	20	U
Bromomethane	ug/L	U	50	U	20	U
Chloroethane	ug/L	U	50	U	20	U
1,1-Dichloroethene	ug/L	U	25	U	10	U
Acetone	ug/l	UJ	50	UJ	20	UJ
Carbon Disulfide	ug/l	U	25	U	10	U
Methylene Chloride	ug/l	U	25	U	10	U
trans-1,2-Dichloroethene	ug/L	U	25	U	10	U
1,1-Dichloroethane	ug/L	U	25	U	10	U
Vinyl acetate	ug/L	U	50	U	20	U
Methyl ethyl ketone (2-Butanone)	ug/L	U	50	U	20	U
cis-1,2-Dichloroethylene	ug/l	U	25	U	2.1	J
1,2-Dichloroethene (total)	ug/L	U	25	U	2.1	J
Chloroform	ug/L	U	25	U	10	U
1,1,1-Trichloroethane	ug/l	U	25	U	10	U
Carbon Tetrachloride	ug/L	U	25	U	10	U
1,2-Dichloroethane	ug/L	U	25	U	10	U
Benzene	ug/L	J	25	U	7.1	J
Trichloroethylene (TCE)	ug/l	U	25	U	10	U
1,2-Dichloropropane	ug/l	U	25	U	10	U
Bromodichloromethane	ug/L	U	25	U	10	U
2-Chloroethyl vinyl ether	ug/L	U	50	U	20	U
cis-1,3-Dichloropropene	ug/L	U	25	U	10	U
Methyl isobutyl ketone (4-Methyl-2-pentanone)	ug/L	U	50	U	20	U
Toluene	ug/l	U	25	U	10	U
trans-1,3-Dichloropropene	ug/L	U	25	U	10	U
1,1,2-Trichloroethane	ug/l	U	25	U	10	U
2-Hexanone	ug/l	U	50	U	20	U

	StationID	HGELGW015		H009GW021		H009G
	SampleID	GELGW015M4DL		009GW021M4		009GW
	DateCollected	03/20/2002		03/21/2002		03/21/
	DateExtracted	03/28/2002		03/28/2002		03/27/
	DateAnalyzed	03/28/2002		03/28/2002		03/27/
	SDGNumber	CNC77		CNC77		CNC
Parameter	Units					
m-Xylene	ug/l					
Chloromethane	ug/L	200	R	200	U	50
Vinyl chloride	ug/l	200	R	200	U	3.1
Bromomethane	ug/L	200	R	200	U	50
Chloroethane	ug/L	200	R	200	U	50
1,1-Dichloroethene	ug/L	100	R	100	U	25
Acetone	ug/l	200	R	200	UJ	50
Carbon Disulfide	ug/l	100	R	100	U	25
Methylene Chloride	ug/l	100	R	100	U	25
trans-1,2-Dichloroethene	ug/L	100	R	100	U	2.8
1,1-Dichloroethane	ug/L	100	R	100	U	25
Vinyl acetate	ug/L	200	R	200	U	50
Methyl ethyl ketone (2-Butanone)	ug/L	200	R	200	U	50
cis-1,2-Dichloroethylene	ug/l	100	R	100	U	32
1,2-Dichloroethene (total)	ug/L	100	R	100	U	35
Chloroform	ug/L	100	R	100	U	25
1,1,1-Trichloroethane	ug/l	100	R	100	U	25
Carbon Tetrachloride	ug/L	100	R	100	U	25
1,2-Dichloroethane	ug/L	100	R	100	U	25
Benzene	ug/L	8	R	100	U	8.9
Trichloroethylene (TCE)	ug/l	100	R	100	U	12
1,2-Dichloropropane	ug/l	100	R	100	U	25
Bromodichloromethane	ug/L	100	R	100	U	25
2-Chloroethyl vinyl ether	ug/L	200	R	200	U	50
cis-1,3-Dichloropropene	ug/L	100	R	100	U	25
Methyl isobutyl ketone (4-Methyl-2-pentanone)	ug/L	200	R	200	U	50
Toluene	ug/l	100	R	100	U	25
trans-1,3-Dichloropropene	ug/L	100	R	100	U	25
1,1,2-Trichloroethane	ug/l	100	R	100	U	25
2-Hexanone	ug/l	200	R	200	U	50

	StationID	W022
	SampleID	022M4
	DateCollected	2002
	DateExtracted	2002
	DateAnalyzed	2002
	SDGNumber	77
Parameter	**Units**	
m-Xylene	ug/l	
Chloromethane	ug/L	U
Vinyl chloride	ug/l	J
Bromomethane	ug/L	U
Chloroethane	ug/L	U
1,1-Dichloroethene	ug/L	U
Acetone	ug/l	UJ
Carbon Disulfide	ug/l	U
Methylene Chloride	ug/l	U
trans-1,2-Dichloroethene	ug/L	J
1,1-Dichloroethane	ug/L	U
Vinyl acetate	ug/L	U
Methyl ethyl ketone (2-Butanone)	ug/L	U
cis-1,2-Dichloroethylene	ug/l	=
1,2-Dichloroethene (total)	ug/L	=
Chloroform	ug/L	U
1,1,1-Trichloroethane	ug/l	U
Carbon Tetrachloride	ug/L	U
1,2-Dichloroethane	ug/L	U
Benzene	ug/L	J
Trichloroethylene (TCE)	ug/l	J
1,2-Dichloropropane	ug/l	U
Bromodichloromethane	ug/L	U
2-Chloroethyl vinyl ether	ug/L	UJ
cis-1,3-Dichloropropene	ug/L	U
Methyl isobutyl ketone (4-Methyl-2-pentanone)	ug/L	UJ
Toluene	ug/l	U
trans-1,3-Dichloropropene	ug/L	U
1,1,2-Trichloroethane	ug/l	U
2-Hexanone	ug/l	UJ

	StationID	H009GW020		H009GW021		H009G
	SampleID	009GW020L1		009GW021L1		009GW0
	DateCollected	10/26/2001		10/26/2001		10/26
	DateExtracted	10/31/2001		10/29/2001		10/31
	DateAnalyzed	10/31/2001		10/29/2001		10/31
	SDGNumber	51003		51003		510
Parameter	**Units**					
Tetrachloroethylene (PCE)	ug/l	200	U	1.4	=	20
Dibromochloromethane	ug/l	200	U	1	U	20
Chlorobenzene	ug/L	11500	=	1030	R	1870
Ethylbenzene	ug/L	200	U	0.33	J	20
m+p Xylene	ug/l	400	U	0.39	J	40
o-Xylene	ug/l	200	U	1	U	20
Xylenes, Total	ug/L	600	U	0.39	J	60
Styrene	ug/L	200	U	1	U	20
Bromoform	ug/L	200	U	1	U	20
1,1,2,2-Tetrachloroethane	ug/L	200	U	1	U	20
1,3-Dichlorobenzene	ug/L	87.9	=	225	R	301
1,4-Dichlorobenzene	ug/L	289	=	380	R	587
1,2-Dichlorobenzene	ug/L	1410	=	1580	R	3620
1,2,4-Trichlorobenzene	ug/L					
1,2,3-Trichlorobenzene	ug/l					

	StationID	GW021	H009GW022		H196GW004	
	SampleID	021L1LR	009GW022L1		196GW004L1	
	DateCollected	/2001	10/26/2001		10/26/2001	
	DateExtracted	/2001	10/29/2001		10/31/2001	
	DateAnalyzed	/2001	10/29/2001		10/31/2001	
	SDGNumber	003	51003		51003	
Parameter	**Units**					
Tetrachloroethylene (PCE)	ug/l	R	5.8	=	213	=
Dibromochloromethane	ug/l	R	1	U	100	U
Chlorobenzene	ug/L	=	181	R	9470	=
Ethylbenzene	ug/L	R	1	U	100	U
m+p Xylene	ug/l	R	2	U	200	U
o-Xylene	ug/l	R	1	U	100	U
Xylenes, Total	ug/L	R	3	U	300	U
Styrene	ug/L	R	1	U	100	U
Bromoform	ug/L	R	1	U	100	U
1,1,2,2-Tetrachloroethane	ug/L	R	1	U	100	U
1,3-Dichlorobenzene	ug/L	=	78	=	1150	=
1,4-Dichlorobenzene	ug/L	=	129	R	2300	=
1,2-Dichlorobenzene	ug/L	J	1040	R	20900	J
1,2,4-Trichlorobenzene	ug/L					
1,2,3-Trichlorobenzene	ug/l					

	StationID	H196GW005		H196GW006		H196(
	SampleID	196GW005L1		196GW006L1		196GW
	DateCollected	10/26/2001		10/26/2001		10/26
	DateExtracted	10/31/2001		10/31/2001		10/31
	DateAnalyzed	10/31/2001		10/31/2001		10/31
	SDGNumber	51003		51003		51(
Parameter	**Units**					
Tetrachloroethylene (PCE)	ug/l	10	U	250	U	100
Dibromochloromethane	ug/l	10	U	250	U	100
Chlorobenzene	ug/L	1370	R	20600	=	5780
Ethylbenzene	ug/L	10	U	250	U	100
m+p Xylene	ug/l	20	U	500	U	200
o-Xylene	ug/l	10	U	250	U	100
Xylenes, Total	ug/L	30	U	750	U	300
Styrene	ug/L	10	U	250	U	100
Bromoform	ug/L	10	U	250	U	100
1,1,2,2-Tetrachloroethane	ug/L	10	U	250	U	100
1,3-Dichlorobenzene	ug/L	231	=	367	=	213
1,4-Dichlorobenzene	ug/L	554	=	1040	=	603
1,2-Dichlorobenzene	ug/L	9840	R	24200	=	12300
1,2,4-Trichlorobenzene	ug/L					
1,2,3-Trichlorobenzene	ug/l					

	StationID	W007	H196GW008		H196GW009	
	SampleID	/007L1	196GW008L1		196GW009L1	
	DateCollected	/2001	10/26/2001		10/26/2001	
	DateExtracted	/2001	10/31/2001		10/31/2001	
	DateAnalyzed	/2001	10/31/2001		10/31/2001	
	SDGNumber	003	51003		51003	
Parameter	**Units**					
Tetrachloroethylene (PCE)	ug/l	U	100	U	472	=
Dibromochloromethane	ug/l	U	100	U	50	U
Chlorobenzene	ug/L	=	4500	=	2240	=
Ethylbenzene	ug/L	U	100	U	50	U
m+p Xylene	ug/l	U	200	U	100	U
o-Xylene	ug/l	U	100	U	50	U
Xylenes, Total	ug/L	U	300	U	150	U
Styrene	ug/L	U	100	U	50	U
Bromoform	ug/L	U	100	U	50	U
1,1,2,2-Tetrachloroethane	ug/L	U	100	U	50	U
1,3-Dichlorobenzene	ug/L	=	604	=	2720	=
1,4-Dichlorobenzene	ug/L	=	1220	=	4950	=
1,2-Dichlorobenzene	ug/L	J	9790	=	32800	J
1,2,4-Trichlorobenzene	ug/L					
1,2,3-Trichlorobenzene	ug/l					

	StationID	H196GW009		H196GW010		HGELC
	SampleID	196HW009L1		196GW010L1		GELGV
	DateCollected	10/26/2001		10/26/2001		10/26
	DateExtracted	10/31/2001		10/31/2001		10/29
	DateAnalyzed	10/31/2001		10/31/2001		10/29
	SDGNumber	51003		51003		51(
Parameter	**Units**					
Tetrachloroethylene (PCE)	ug/l	480	=	100	U	0.22
Dibromochloromethane	ug/l	50	U	100	U	1
Chlorobenzene	ug/L	2270	=	3920	=	2160
Ethylbenzene	ug/L	50	U	100	U	0.2
m+p Xylene	ug/l	100	U	200	U	0.3
o-Xylene	ug/l	50	U	100	U	1
Xylenes, Total	ug/L	150	U	300	U	0.3
Styrene	ug/L	50	U	100	U	1
Bromoform	ug/L	50	U	100	U	1
1,1,2,2-Tetrachloroethane	ug/L	50	U	100	U	1
1,3-Dichlorobenzene	ug/L	2720	=	175	=	182
1,4-Dichlorobenzene	ug/L	4950	=	437	=	392
1,2-Dichlorobenzene	ug/L	33200	J	8990	=	2500
1,2,4-Trichlorobenzene	ug/L					
1,2,3-Trichlorobenzene	ug/l					

	StationID	GW015	H009GW020		H009GW020	
	SampleID	V015L1	009GW020L2		009GW020L2LR	
	DateCollected	/2001	11/20/2001		11/20/2001	
	DateExtracted	/2001	11/29/2001		11/30/2001	
	DateAnalyzed	/2001	11/29/2001		11/30/2001	
	SDGNumber	003	52363		52363	
Parameter	**Units**					
Tetrachloroethylene (PCE)	ug/l	J	1	U	1000	R
Dibromochloromethane	ug/l	U	1	U	1000	R
Chlorobenzene	ug/L	R	2900	R	19400	=
Ethylbenzene	ug/L	J	1	U	1000	R
m+p Xylene	ug/l	J	2	U	2000	R
o-Xylene	ug/l	U	1	U	1000	R
Xylenes, Total	ug/L	J	3	U	3000	R
Styrene	ug/L	U	1	U	1000	R
Bromoform	ug/L	U	1	U	1000	R
1,1,2,2-Tetrachloroethane	ug/L	U	1	U	1000	R
1,3-Dichlorobenzene	ug/L	R	108	J	1000	R
1,4-Dichlorobenzene	ug/L	R	295	R	680	J
1,2-Dichlorobenzene	ug/L	R	926	R	3610	=
1,2,4-Trichlorobenzene	ug/L					
1,2,3-Trichlorobenzene	ug/l					

	StationID	H009GW021		H009GW021		H196C
	SampleID	009GW021L2		009GW021L2LR		196GW
	DateCollected	11/20/2001		11/20/2001		11/20
	DateExtracted	11/29/2001		11/30/2001		11/29
	DateAnalyzed	11/29/2001		11/30/2001		11/29
	SDGNumber	52363		52363		52
Parameter	**Units**					
Tetrachloroethylene (PCE)	ug/l	6.7	=	6.9	R	172
Dibromochloromethane	ug/l	1	U	10	R	1
Chlorobenzene	ug/L	501	R	591	=	1980
Ethylbenzene	ug/L	1	U	10	R	1.9
m+p Xylene	ug/l	2	U	20	R	4
o-Xylene	ug/l	1	U	10	R	0.75
Xylenes, Total	ug/L	3	U	30	R	4.8
Styrene	ug/L	1	U	10	R	1
Bromoform	ug/L	1	U	10	R	1
1,1,2,2-Tetrachloroethane	ug/L	1	U	10	R	1
1,3-Dichlorobenzene	ug/L	156	R	151	=	391
1,4-Dichlorobenzene	ug/L	246	R	255	=	670
1,2-Dichlorobenzene	ug/L	816	R	1260	=	2190
1,2,4-Trichlorobenzene	ug/L					
1,2,3-Trichlorobenzene	ug/l					

	StationID	W004	H196GW004		H196GW005	
	SampleID	/004L2	196GW004L2LR		196GW005L2	
	DateCollected	/2001	11/20/2001		11/20/2001	
	DateExtracted	/2001	11/30/2001		11/29/2001	
	DateAnalyzed	/2001	11/30/2001		11/29/2001	
	SDGNumber	363	52363		52363	
Parameter	**Units**					
Tetrachloroethylene (PCE)	ug/l	R	1000	R	1.6	=
Dibromochloromethane	ug/l	U	1000	R	1	U
Chlorobenzene	ug/L	R	9850	=	74.5	=
Ethylbenzene	ug/L	=	1000	R	1	U
m+p Xylene	ug/l	=	2000	R	2	U
o-Xylene	ug/l	J	1000	R	1	U
Xylenes, Total	ug/L	=	3000	R	3	U
Styrene	ug/L	U	1000	R	1	U
Bromoform	ug/L	U	1000	R	1	U
1,1,2,2-Tetrachloroethane	ug/L	U	1000	R	1	U
1,3-Dichlorobenzene	ug/L	R	618	J	65.2	=
1,4-Dichlorobenzene	ug/L	R	1460	=	154	R
1,2-Dichlorobenzene	ug/L	R	18300	=	1670	R
1,2,4-Trichlorobenzene	ug/L					
1,2,3-Trichlorobenzene	ug/l					

	StationID	H196GW005		H196GW006		H196(
	SampleID	196GW005L2LR		196GW006L2		196GW(
	DateCollected	11/20/2001		11/20/2001		11/20
	DateExtracted	11/30/2001		11/29/2001		11/30
	DateAnalyzed	11/30/2001		11/29/2001		11/30
	SDGNumber	52363		52363		52
Parameter	**Units**					
Tetrachloroethylene (PCE)	ug/l	10	R	1	U	20
Dibromochloromethane	ug/l	10	R	0.56	J	20
Chlorobenzene	ug/L	65.4	R	597	R	705
Ethylbenzene	ug/L	10	R	1	U	20
m+p Xylene	ug/l	20	R	2	U	40
o-Xylene	ug/l	10	R	1	U	20
Xylenes, Total	ug/L	30	R	3	U	60
Styrene	ug/L	10	R	1	U	20
Bromoform	ug/L	10	R	1	U	20
1,1,2,2-Tetrachloroethane	ug/L	10	R	1	U	20
1,3-Dichlorobenzene	ug/L	63.8	R	58.3	=	66
1,4-Dichlorobenzene	ug/L	168	=	132	R	155
1,2-Dichlorobenzene	ug/L	4780	=	1580	R	5410
1,2,4-Trichlorobenzene	ug/L					
1,2,3-Trichlorobenzene	ug/l					

	StationID	W006	H196GW007		H196GW007	
	SampleID	006L2LR	196GW007L2		196GW007L2LR	
	DateCollected	/2001	11/20/2001		11/20/2001	
	DateExtracted	/2001	11/29/2001		11/30/2001	
	DateAnalyzed	/2001	11/29/2001		11/30/2001	
	SDGNumber	363	52363		52363	
Parameter	**Units**					
Tetrachloroethylene (PCE)	ug/l	R	1.3	=	100	R
Dibromochloromethane	ug/l	R	1	U	100	R
Chlorobenzene	ug/L	=	1620	R	5530	=
Ethylbenzene	ug/L	R	0.5	J	100	R
m+p Xylene	ug/l	R	2	U	200	R
o-Xylene	ug/l	R	1	U	100	R
Xylenes, Total	ug/L	R	3	U	300	R
Styrene	ug/L	R	1	U	100	R
Bromoform	ug/L	R	1	U	100	R
1,1,2,2-Tetrachloroethane	ug/L	R	1	U	100	R
1,3-Dichlorobenzene	ug/L	R	141	R	148	=
1,4-Dichlorobenzene	ug/L	=	297	R	393	=
1,2-Dichlorobenzene	ug/L	=	1920	R	10300	=
1,2,4-Trichlorobenzene	ug/L					
1,2,3-Trichlorobenzene	ug/l					

	StationID	H196GW008		H196GW008		H196(
	SampleID	196GW008L2		196GW008L2LR		196HW
	DateCollected	11/20/2001		11/20/2001		11/20
	DateExtracted	11/29/2001		11/30/2001		11/29
	DateAnalyzed	11/29/2001		11/30/2001		11/29
	SDGNumber	52363		52363		52
Parameter	**Units**					
Tetrachloroethylene (PCE)	ug/l	2.3	=	100	R	3
Dibromochloromethane	ug/l	1	U	100	R	1
Chlorobenzene	ug/L	1740	R	3520	=	1210
Ethylbenzene	ug/L	0.56	J	100	R	0.39
m+p Xylene	ug/l	2	U	200	R	2
o-Xylene	ug/l	1	U	100	R	1
Xylenes, Total	ug/L	3	U	300	R	3
Styrene	ug/L	1	U	100	R	1
Bromoform	ug/L	1	U	100	R	1
1,1,2,2-Tetrachloroethane	ug/L	1	U	100	R	1
1,3-Dichlorobenzene	ug/L	130	R	136	=	146
1,4-Dichlorobenzene	ug/L	187	R	238	=	191
1,2-Dichlorobenzene	ug/L	937	R	1910	=	1030
1,2,4-Trichlorobenzene	ug/L					
1,2,3-Trichlorobenzene	ug/l					

	StationID	W008	H196GW008		H196GW010	
	SampleID	/008L2	196HW008L2LR		196GW010L2	
	DateCollected	/2001	11/20/2001		11/20/2001	
	DateExtracted	/2001	11/30/2001		11/29/2001	
	DateAnalyzed	/2001	11/30/2001		11/29/2001	
	SDGNumber	363	52363		52363	
Parameter	**Units**					
Tetrachloroethylene (PCE)	ug/l	=	100	R	1	U
Dibromochloromethane	ug/l	U	100	R	1	U
Chlorobenzene	ug/L	R	2860	=	1250	R
Ethylbenzene	ug/L	J	100	R	1	U
m+p Xylene	ug/l	U	200	R	2	U
o-Xylene	ug/l	U	100	R	1	U
Xylenes, Total	ug/L	U	300	R	3	U
Styrene	ug/L	U	100	R	1	U
Bromoform	ug/L	U	100	R	1	U
1,1,2,2-Tetrachloroethane	ug/L	U	100	R	1	U
1,3-Dichlorobenzene	ug/L	R	136	=	52.6	=
1,4-Dichlorobenzene	ug/L	R	231	=	99.5	=
1,2-Dichlorobenzene	ug/L	R	1960	=	1230	R
1,2,4-Trichlorobenzene	ug/L					
1,2,3-Trichlorobenzene	ug/l					

	StationID	H196GW010		HGELGW015		HGEL(
	SampleID	196GW010L2LR		GELGW015L2		GELGW
	DateCollected	11/20/2001		11/20/2001		11/20
	DateExtracted	11/30/2001		11/29/2001		12/03
	DateAnalyzed	11/30/2001		11/29/2001		12/03
	SDGNumber	52363		52363		52
Parameter	**Units**					
Tetrachloroethylene (PCE)	ug/l	100	R	8.8	=	100
Dibromochloromethane	ug/l	100	R	1	U	100
Chlorobenzene	ug/L	2700	=	1660	R	6060
Ethylbenzene	ug/L	100	R	0.2	J	100
m+p Xylene	ug/l	200	R	2	U	200
o-Xylene	ug/l	100	R	1	U	100
Xylenes, Total	ug/L	300	R	3	U	300
Styrene	ug/L	100	R	1	U	100
Bromoform	ug/L	100	R	1	U	100
1,1,2,2-Tetrachloroethane	ug/L	100	R	1	U	100
1,3-Dichlorobenzene	ug/L	60.1	R	252	R	296
1,4-Dichlorobenzene	ug/L	128	R	460	R	704
1,2-Dichlorobenzene	ug/L	2820	=	2590	R	21300
1,2,4-Trichlorobenzene	ug/L					
1,2,3-Trichlorobenzene	ug/l					

	StationID	GW015	H009GW022		H196GW006	
	SampleID	015L2LR	009GW022L3		196GW006L3	
	DateCollected	/2001	12/06/2001		12/06/2001	
	DateExtracted	/2001	12/08/2001		12/08/2001	
	DateAnalyzed	/2001	12/08/2001		12/08/2001	
	SDGNumber	63	53063		53063	
Parameter	**Units**					
Tetrachloroethylene (PCE)	ug/l	R	50	U	250	U
Dibromochloromethane	ug/l	R	50	U	250	U
Chlorobenzene	ug/L	=	170	=	1870	=
Ethylbenzene	ug/L	R	50	U	250	U
m+p Xylene	ug/l	R	100	U	500	U
o-Xylene	ug/l	R	50	U	250	U
Xylenes, Total	ug/L	R	150	U	750	U
Styrene	ug/L	R	50	U	250	U
Bromoform	ug/L	R	50	U	250	U
1,1,2,2-Tetrachloroethane	ug/L	R	50	U	250	U
1,3-Dichlorobenzene	ug/L	=	112	=	85	J
1,4-Dichlorobenzene	ug/L	=	110	=	256	=
1,2-Dichlorobenzene	ug/L	=	3050	=	8200	=
1,2,4-Trichlorobenzene	ug/L		50	UJ	250	UJ
1,2,3-Trichlorobenzene	ug/l		50	U	250	U

	StationID	H196GW009		HGELGW015		H009C
	SampleID	196GW009L3		GELGW015L3		009GW
	DateCollected	12/06/2001		12/06/2001		12/18
	DateExtracted	12/08/2001		12/08/2001		12/26
	DateAnalyzed	12/08/2001		12/08/2001		12/26
	SDGNumber	53063		53063		53
Parameter	**Units**					
Tetrachloroethylene (PCE)	ug/l	244	J	250	U	50
Dibromochloromethane	ug/l	500	U	250	U	50
Chlorobenzene	ug/L	2950	=	5610	=	12100
Ethylbenzene	ug/L	500	U	250	U	50
m+p Xylene	ug/l	1000	U	500	U	100
o-Xylene	ug/l	500	U	250	U	50
Xylenes, Total	ug/L	1500	U	750	U	150
Styrene	ug/L	500	U	250	U	50
Bromoform	ug/L	500	U	250	U	50
1,1,2,2-Tetrachloroethane	ug/L	500	U	250	U	50
1,3-Dichlorobenzene	ug/L	1280	=	163	J	84.7
1,4-Dichlorobenzene	ug/L	2760	=	471	=	264
1,2-Dichlorobenzene	ug/L	35100	=	18000	=	1330
1,2,4-Trichlorobenzene	ug/L	500	UJ	250	UJ	50
1,2,3-Trichlorobenzene	ug/l	500	U	250	U	50

	StationID	W020	H009GW020		H196GW004	
	SampleID	/020L4	009GW020L4LR		196GW004L4	
	DateCollected	/2001	12/18/2001		12/18/2001	
	DateExtracted	/2001	12/26/2001		12/26/2001	
	DateAnalyzed	/2001	12/26/2001		12/26/2001	
	SDGNumber	77	53777		53777	
Parameter	**Units**					
Tetrachloroethylene (PCE)	ug/l	U	250	R	216	=
Dibromochloromethane	ug/l	U	250	R	50	U
Chlorobenzene	ug/L	R	13900	=	6040	R
Ethylbenzene	ug/L	U	250	R	50	U
m+p Xylene	ug/l	U	500	R	100	U
o-Xylene	ug/l	U	250	R	50	U
Xylenes, Total	ug/L	U	750	R	150	U
Styrene	ug/L	U	250	R	50	U
Bromoform	ug/L	U	250	R	50	U
1,1,2,2-Tetrachloroethane	ug/L	U	250	R	50	U
1,3-Dichlorobenzene	ug/L	=	125	R	449	=
1,4-Dichlorobenzene	ug/L	=	364	R	988	=
1,2-Dichlorobenzene	ug/L	=	2690	R	10900	R
1,2,4-Trichlorobenzene	ug/L	U	250	R	26.5	J
1,2,3-Trichlorobenzene	ug/l	U	250	R	50	U

	StationID	H196GW004		H196GW004		H196G
	SampleID	196GW004L4LR		196HW004L4		196HW(
	DateCollected	12/18/2001		12/18/2001		12/18
	DateExtracted	12/27/2001		12/26/2001		12/27
	DateAnalyzed	12/27/2001		12/26/2001		12/27
	SDGNumber	53777		53777		53
Parameter	**Units**					
Tetrachloroethylene (PCE)	ug/l	198	R	215	=	196
Dibromochloromethane	ug/l	250	R	50	U	250
Chlorobenzene	ug/L	6870	=	3620	=	4180
Ethylbenzene	ug/L	250	R	50	U	250
m+p Xylene	ug/l	500	R	100	U	500
o-Xylene	ug/l	250	R	50	U	250
Xylenes, Total	ug/L	750	R	150	U	750
Styrene	ug/L	250	R	50	U	250
Bromoform	ug/L	250	R	50	U	250
1,1,2,2-Tetrachloroethane	ug/L	250	R	50	U	250
1,3-Dichlorobenzene	ug/L	447	R	528	=	487
1,4-Dichlorobenzene	ug/L	922	R	979	=	919
1,2-Dichlorobenzene	ug/L	12800	=	13200	R	14800
1,2,4-Trichlorobenzene	ug/L	250	R	46.7	J	250
1,2,3-Trichlorobenzene	ug/l	250	R	50	U	250

	StationID	W004	H196GW005		H196GW005	
	SampleID	04L4LR	196GW005L4		196GW005L4LR	
	DateCollected	/2001	12/18/2001		12/18/2001	
	DateExtracted	/2001	12/26/2001		12/27/2001	
	DateAnalyzed	/2001	12/26/2001		12/27/2001	
	SDGNumber	77	53777		53777	
Parameter	**Units**					
Tetrachloroethylene (PCE)	ug/l	R	10	U	100	R
Dibromochloromethane	ug/l	R	10	U	100	R
Chlorobenzene	ug/L	R	175	=	163	R
Ethylbenzene	ug/L	R	10	U	100	R
m+p Xylene	ug/l	R	20	U	200	R
o-Xylene	ug/l	R	10	U	100	R
Xylenes, Total	ug/L	R	30	U	300	R
Styrene	ug/L	R	10	U	100	R
Bromoform	ug/L	R	10	U	100	R
1,1,2,2-Tetrachloroethane	ug/L	R	10	U	100	R
1,3-Dichlorobenzene	ug/L	R	68.8	=	67	R
1,4-Dichlorobenzene	ug/L	R	183	=	185	R
1,2-Dichlorobenzene	ug/L	=	3540	R	4220	=
1,2,4-Trichlorobenzene	ug/L	R	6.1	J	100	R
1,2,3-Trichlorobenzene	ug/l	R	10	U	100	R

	StationID	H196GW006		H196GW008		H196(
	SampleID	196GW006L4		196GW008L4		196GW(
	DateCollected	12/18/2001		12/18/2001		12/18
	DateExtracted	12/26/2001		12/26/2001		01/04
	DateAnalyzed	12/26/2001		12/26/2001		01/04
	SDGNumber	53777		53777		53
Parameter	**Units**					
Tetrachloroethylene (PCE)	ug/l	50	U	13.4	=	200
Dibromochloromethane	ug/l	50	U	10	U	200
Chlorobenzene	ug/L	826	=	3630	R	5980
Ethylbenzene	ug/L	50	U	10	U	200
m+p Xylene	ug/l	100	U	20	U	400
o-Xylene	ug/l	50	U	10	U	200
Xylenes, Total	ug/L	150	U	30	U	600
Styrene	ug/L	50	U	10	U	200
Bromoform	ug/L	50	U	10	U	200
1,1,2,2-Tetrachloroethane	ug/L	50	U	10	U	200
1,3-Dichlorobenzene	ug/L	60.8	=	790	=	845
1,4-Dichlorobenzene	ug/L	183	=	1340	R	1700
1,2-Dichlorobenzene	ug/L	4770	=	5500	R	15600
1,2,4-Trichlorobenzene	ug/L	50	U	53.8	=	200
1,2,3-Trichlorobenzene	ug/l	50	U	8.9	J	200

	StationID	W008	H196GW010		H196GW010	
	SampleID	08L4LR	196GW010L4		196GW010L4LR	
	DateCollected	/2001	12/18/2001		12/18/2001	
	DateExtracted	/2002	12/26/2001		01/04/2002	
	DateAnalyzed	/2002	12/26/2001		01/04/2002	
	SDGNumber	77	53777		53777	
Parameter	**Units**					
Tetrachloroethylene (PCE)	ug/l	R	1	U	100	R
Dibromochloromethane	ug/l	R	1	U	100	R
Chlorobenzene	ug/L	=	624	R	4560	=
Ethylbenzene	ug/L	R	1	U	100	R
m+p Xylene	ug/l	R	2	U	200	R
o-Xylene	ug/l	R	1	U	100	R
Xylenes, Total	ug/L	R	3	U	300	R
Styrene	ug/L	R	1	U	100	R
Bromoform	ug/L	R	1	U	100	R
1,1,2,2-Tetrachloroethane	ug/L	R	1	U	100	R
1,3-Dichlorobenzene	ug/L	R	26.1	=	78.4	R
1,4-Dichlorobenzene	ug/L	=	51.2	=	209	R
1,2-Dichlorobenzene	ug/L	=	462	R	3880	=
1,2,4-Trichlorobenzene	ug/L	R	1	U	100	R
1,2,3-Trichlorobenzene	ug/l	R	1	U	100	R

	StationID	HGELGW015		HGELGW015		H009G
	SampleID	GELGW015L4		GELGW015L4LR		009GW
	DateCollected	12/18/2001		12/18/2001		12/19
	DateExtracted	12/26/2001		12/27/2001		12/26
	DateAnalyzed	12/26/2001		12/27/2001		12/26
	SDGNumber	53777		53777		53
Parameter	**Units**					
Tetrachloroethylene (PCE)	ug/l	10	U	500	R	41.9
Dibromochloromethane	ug/l	10	U	500	R	50
Chlorobenzene	ug/L	4640	R	7450	=	4770
Ethylbenzene	ug/L	10	U	500	R	50
m+p Xylene	ug/l	20	U	1000	R	100
o-Xylene	ug/l	10	U	500	R	50
Xylenes, Total	ug/L	30	U	1500	R	150
Styrene	ug/L	10	U	500	R	50
Bromoform	ug/L	10	U	500	R	50
1,1,2,2-Tetrachloroethane	ug/L	10	U	500	R	50
1,3-Dichlorobenzene	ug/L	345	=	322	R	1700
1,4-Dichlorobenzene	ug/L	779	=	799	R	2960
1,2-Dichlorobenzene	ug/L	6750	R	28300	=	20400
1,2,4-Trichlorobenzene	ug/L	13.9	=	500	R	180
1,2,3-Trichlorobenzene	ug/l	10	U	500	R	25.8

	StationID	GW021	H009GW021		H009GW022	
	SampleID	/021L4	009GW021L4LR		009GW022L4	
	DateCollected	/2001	12/19/2001		12/19/2001	
	DateExtracted	/2001	12/27/2001		12/26/2001	
	DateAnalyzed	/2001	12/27/2001		12/26/2001	
	SDGNumber	77	53777		53777	
Parameter	**Units**					
Tetrachloroethylene (PCE)	ug/l	J	500	R	4	=
Dibromochloromethane	ug/l	U	500	R	1	U
Chlorobenzene	ug/L	=	5220	R	232	R
Ethylbenzene	ug/L	U	500	R	0.23	J
m+p Xylene	ug/l	U	1000	R	2	U
o-Xylene	ug/l	U	500	R	1	U
Xylenes, Total	ug/L	U	1500	R	3	U
Styrene	ug/L	U	500	R	1	U
Bromoform	ug/L	U	500	R	1	U
1,1,2,2-Tetrachloroethane	ug/L	U	500	R	1	U
1,3-Dichlorobenzene	ug/L	=	1560	R	119	R
1,4-Dichlorobenzene	ug/L	=	2970	R	165	R
1,2-Dichlorobenzene	ug/L	R	31200	=	671	R
1,2,4-Trichlorobenzene	ug/L	=	500	R	5.8	=
1,2,3-Trichlorobenzene	ug/l	J	500	R	1.2	U

	StationID	H009GW022		H196GW007		H196(
	SampleID	009GW022L4LR		196GW007L4		196GW(
	DateCollected	12/19/2001		12/19/2001		12/19
	DateExtracted	12/27/2001		12/26/2001		12/27
	DateAnalyzed	12/27/2001		12/26/2001		12/27
	SDGNumber	53777		53777		53
Parameter	**Units**					
Tetrachloroethylene (PCE)	ug/l	50	R	10	U	100
Dibromochloromethane	ug/l	50	R	10	U	100
Chlorobenzene	ug/L	322	=	4780	R	8720
Ethylbenzene	ug/L	50	R	10	U	100
m+p Xylene	ug/l	100	R	20	U	200
o-Xylene	ug/l	50	R	10	U	100
Xylenes, Total	ug/L	150	R	30	U	300
Styrene	ug/L	50	R	10	U	100
Bromoform	ug/L	50	R	10	U	100
1,1,2,2-Tetrachloroethane	ug/L	50	R	10	U	100
1,3-Dichlorobenzene	ug/L	126	=	93	=	77
1,4-Dichlorobenzene	ug/L	201	=	268	=	256
1,2-Dichlorobenzene	ug/L	3520	=	3540	R	4200
1,2,4-Trichlorobenzene	ug/L	50	R	10	U	100
1,2,3-Trichlorobenzene	ug/l	50	R	10	U	100

	StationID	GW007	H196GW009		H196GW009	
	SampleID	007L4LR	196GW009L4		196GW009L4LR	
	DateCollected	/2001	12/19/2001		12/19/2001	
	DateExtracted	/2001	12/26/2001		01/04/2002	
	DateAnalyzed	/2001	12/26/2001		01/04/2002	
	SDGNumber	77	53777		53777	
Parameter	**Units**					
Tetrachloroethylene (PCE)	ug/l	R	195	=	305	R
Dibromochloromethane	ug/l	R	10	U	500	R
Chlorobenzene	ug/L	=	2390	R	3650	=
Ethylbenzene	ug/L	R	10	U	500	R
m+p Xylene	ug/l	R	20	U	1000	R
o-Xylene	ug/l	R	10	U	500	R
Xylenes, Total	ug/L	R	30	U	1500	R
Styrene	ug/L	R	10	U	500	R
Bromoform	ug/L	R	10	U	500	R
1,1,2,2-Tetrachloroethane	ug/L	R	10	U	500	R
1,3-Dichlorobenzene	ug/L	R	1130	R	1820	=
1,4-Dichlorobenzene	ug/L	R	1710	R	3490	=
1,2-Dichlorobenzene	ug/L	=	6230	R	42000	=
1,2,4-Trichlorobenzene	ug/L	R	200	=	500	R
1,2,3-Trichlorobenzene	ug/l	R	31.7	=	500	R

	StationID	H009GW020		H009GW020		H009G
	SampleID	009GW020M1		009GW020M1LR		009GW
	DateCollected	02/08/2002		02/08/2002		02/08
	DateExtracted	02/13/2002		02/14/2002		02/13
	DateAnalyzed	02/13/2002		02/14/2002		02/13
	SDGNumber	55885		55885		55
Parameter	**Units**					
Tetrachloroethylene (PCE)	ug/l	5	U	2500	R	13.6
Dibromochloromethane	ug/l	5	U	2500	R	250
Chlorobenzene	ug/L	1460	R	9200	=	3310
Ethylbenzene	ug/L	5	U	2500	R	250
m+p Xylene	ug/l	5	U	2500	R	250
o-Xylene	ug/l	5	U	2500	R	250
Xylenes, Total	ug/L	5	U	2500	R	250
Styrene	ug/L	5	U	2500	R	250
Bromoform	ug/L	5	U	2500	R	250
1,1,2,2-Tetrachloroethane	ug/L	5	U	2500	R	250
1,3-Dichlorobenzene	ug/L	58.7	=	2500	R	413
1,4-Dichlorobenzene	ug/L	164	R	206	J	741
1,2-Dichlorobenzene	ug/L	897	R	1140	J	7070
1,2,4-Trichlorobenzene	ug/L	5	U	2500	R	250
1,2,3-Trichlorobenzene	ug/l	5	U	2500	R	250

	StationID	GW021	H009GW021		H009GW022	
	SampleID	021M1	009GW021M1LR		009GW022M1	
	DateCollected	/2002	02/08/2002		02/08/2002	
	DateExtracted	/2002	02/15/2002		02/13/2002	
	DateAnalyzed	/2002	02/15/2002		02/13/2002	
	SDGNumber	885	55885		55885	
Parameter	**Units**					
Tetrachloroethylene (PCE)	ug/l	J	500	R	4.2	J
Dibromochloromethane	ug/l	U	500	R	5	U
Chlorobenzene	ug/L	=	3170	R	288	R
Ethylbenzene	ug/L	U	500	R	0.24	J
m+p Xylene	ug/l	U	500	R	5	U
o-Xylene	ug/l	U	500	R	5	U
Xylenes, Total	ug/L	U	500	R	5	U
Styrene	ug/L	U	500	R	5	U
Bromoform	ug/L	U	500	R	5	U
1,1,2,2-Tetrachloroethane	ug/L	U	500	R	5	U
1,3-Dichlorobenzene	ug/L	=	356	R	118	R
1,4-Dichlorobenzene	ug/L	=	660	R	183	R
1,2-Dichlorobenzene	ug/L	R	6610	=	1140	R
1,2,4-Trichlorobenzene	ug/L	U	500	R	5.4	=
1,2,3-Trichlorobenzene	ug/l	U	500	R	1.2	J

	StationID	H009GW022		H009GW022		H009(
	SampleID	009GW022M1LR		009HW022M1		009HW(
	DateCollected	02/08/2002		02/08/2002		02/08
	DateExtracted	02/15/2002		02/13/2002		02/15
	DateAnalyzed	02/15/2002		02/13/2002		02/15
	SDGNumber	55885		55885		55
Parameter	**Units**					
Tetrachloroethylene (PCE)	ug/l	1250	R	4.3	J	1250
Dibromochloromethane	ug/l	1250	R	5	U	1250
Chlorobenzene	ug/L	363	J	274	R	270
Ethylbenzene	ug/L	1250	R	0.23	J	1250
m+p Xylene	ug/l	1250	R	5	U	1250
o-Xylene	ug/l	1250	R	5	U	1250
Xylenes, Total	ug/L	1250	R	5	U	1250
Styrene	ug/L	1250	R	5	U	1250
Bromoform	ug/L	1250	R	5	U	1250
1,1,2,2-Tetrachloroethane	ug/L	1250	R	5	U	1250
1,3-Dichlorobenzene	ug/L	132	J	118	R	87
1,4-Dichlorobenzene	ug/L	235	J	183	R	164
1,2-Dichlorobenzene	ug/L	3960	=	1140	R	2890
1,2,4-Trichlorobenzene	ug/L	1250	R	5.6	=	1250
1,2,3-Trichlorobenzene	ug/l	1250	R	1.2	J	1250

	StationID	W022	H196GW004		H196GW004	
	SampleID	22M1LR	196GW004M1		196GW004M1LR	
	DateCollected	/2002	02/08/2002		02/08/2002	
	DateExtracted	/2002	02/13/2002		02/14/2002	
	DateAnalyzed	/2002	02/13/2002		02/14/2002	
	SDGNumber	885	55885		55885	
Parameter	**Units**					
Tetrachloroethylene (PCE)	ug/l	R	192	J	2500	R
Dibromochloromethane	ug/l	R	250	U	2500	R
Chlorobenzene	ug/L	J	6570	R	5000	=
Ethylbenzene	ug/L	R	250	U	2500	R
m+p Xylene	ug/l	R	250	U	2500	R
o-Xylene	ug/l	R	250	U	2500	R
Xylenes, Total	ug/L	R	250	U	2500	R
Styrene	ug/L	R	250	U	2500	R
Bromoform	ug/L	R	250	U	2500	R
1,1,2,2-Tetrachloroethane	ug/L	R	250	U	2500	R
1,3-Dichlorobenzene	ug/L	J	752	=	576	R
1,4-Dichlorobenzene	ug/L	J	1350	=	1070	R
1,2-Dichlorobenzene	ug/L	=	20200	R	17600	=
1,2,4-Trichlorobenzene	ug/L	R	55	J	2500	R
1,2,3-Trichlorobenzene	ug/l	R	250	U	2500	R

	StationID	H196GW005		H196GW005		H196(
	SampleID	196GW005M1		196GW005M1LR		196GW
	DateCollected	02/08/2002		02/08/2002		02/08
	DateExtracted	02/13/2002		02/14/2002		02/13
	DateAnalyzed	02/13/2002		02/14/2002		02/13
	SDGNumber	55885		55885		55
Parameter	**Units**					
Tetrachloroethylene (PCE)	ug/l	250	U	2500	R	250
Dibromochloromethane	ug/l	250	U	2500	R	250
Chlorobenzene	ug/L	347	=	295	R	1930
Ethylbenzene	ug/L	250	U	2500	R	250
m+p Xylene	ug/l	250	U	2500	R	250
o-Xylene	ug/l	250	U	2500	R	250
Xylenes, Total	ug/L	250	U	2500	R	250
Styrene	ug/L	250	U	2500	R	250
Bromoform	ug/L	250	U	2500	R	250
1,1,2,2-Tetrachloroethane	ug/L	250	U	2500	R	250
1,3-Dichlorobenzene	ug/L	224	J	164	R	93.9
1,4-Dichlorobenzene	ug/L	512	=	388	R	224
1,2-Dichlorobenzene	ug/L	20400	R	15800	=	7570
1,2,4-Trichlorobenzene	ug/L	250	U	2500	R	250
1,2,3-Trichlorobenzene	ug/l	250	U	2500	R	250

	StationID	GW006	H196GW006		H196GW007	
	SampleID	006M1	196GW006M1LR		196GW007M1	
	DateCollected	/2002	02/08/2002		02/08/2002	
	DateExtracted	/2002	02/15/2002		02/14/2002	
	DateAnalyzed	/2002	02/15/2002		02/14/2002	
	SDGNumber	885	55885		55885	
Parameter	**Units**					
Tetrachloroethylene (PCE)	ug/l	U	500	R	250	U
Dibromochloromethane	ug/l	U	500	R	250	U
Chlorobenzene	ug/L	=	2030	R	10900	R
Ethylbenzene	ug/L	U	500	R	250	U
m+p Xylene	ug/l	U	500	R	250	U
o-Xylene	ug/l	U	500	R	250	U
Xylenes, Total	ug/L	U	500	R	250	U
Styrene	ug/L	U	500	R	250	U
Bromoform	ug/L	U	500	R	250	U
1,1,2,2-Tetrachloroethane	ug/L	U	500	R	250	U
1,3-Dichlorobenzene	ug/L	J	76.4	R	106	J
1,4-Dichlorobenzene	ug/L	J	200	R	306	=
1,2-Dichlorobenzene	ug/L	R	6770	=	7220	R
1,2,4-Trichlorobenzene	ug/L	U	500	R	250	U
1,2,3-Trichlorobenzene	ug/l	U	500	R	250	U

	StationID	H196GW007		H196GW008		H196(
	SampleID	196GW007M1LR		196GW008M1		196GW
	DateCollected	02/08/2002		02/08/2002		02/08
	DateExtracted	02/15/2002		02/15/2002		02/15
	DateAnalyzed	02/15/2002		02/15/2002		02/15
	SDGNumber	55885		55885		55
Parameter	**Units**					
Tetrachloroethylene (PCE)	ug/l	1250	R	500	U	1250
Dibromochloromethane	ug/l	1250	R	500	U	1250
Chlorobenzene	ug/L	10200	=	7750	=	3870
Ethylbenzene	ug/L	1250	R	500	U	1250
m+p Xylene	ug/l	1250	R	500	U	1250
o-Xylene	ug/l	1250	R	500	U	1250
Xylenes, Total	ug/L	1250	R	500	U	1250
Styrene	ug/L	1250	R	500	U	1250
Bromoform	ug/L	1250	R	500	U	1250
1,1,2,2-Tetrachloroethane	ug/L	1250	R	500	U	1250
1,3-Dichlorobenzene	ug/L	93.5	R	255	J	723
1,4-Dichlorobenzene	ug/L	293	R	558	=	1320
1,2-Dichlorobenzene	ug/L	6760	=	4360	=	16600
1,2,4-Trichlorobenzene	ug/L	1250	R	500	U	1250
1,2,3-Trichlorobenzene	ug/l	1250	R	500	U	1250

	StationID	W009	H196GW010		H196GW010	
	SampleID	009M1	196GW010M1		196GW010M1LR	
	DateCollected	/2002	02/08/2002		02/08/2002	
	DateExtracted	/2002	02/14/2002		02/15/2002	
	DateAnalyzed	/2002	02/14/2002		02/15/2002	
	SDGNumber	885	55885		55885	
Parameter	**Units**					
Tetrachloroethylene (PCE)	ug/l	U	5	U	1250	R
Dibromochloromethane	ug/l	U	5	U	1250	R
Chlorobenzene	ug/L	=	910	R	1990	=
Ethylbenzene	ug/L	U	5	U	1250	R
m+p Xylene	ug/l	U	5	U	1250	R
o-Xylene	ug/l	U	5	U	1250	R
Xylenes, Total	ug/L	U	5	U	1250	R
Styrene	ug/L	U	5	U	1250	R
Bromoform	ug/L	U	5	U	1250	R
1,1,2,2-Tetrachloroethane	ug/L	U	5	U	1250	R
1,3-Dichlorobenzene	ug/L	J	42.1	=	1250	R
1,4-Dichlorobenzene	ug/L	=	93.9	=	103	R
1,2-Dichlorobenzene	ug/L	=	1000	R	1780	=
1,2,4-Trichlorobenzene	ug/L	U	0.65	J	1250	R
1,2,3-Trichlorobenzene	ug/l	U	5	U	1250	R

	StationID	HGELGW015		HGELGW015		H196C
	SampleID	GELGW015M1		GELGW015M1LR		196GW
	DateCollected	02/08/2002		02/08/2002		02/11
	DateExtracted	02/13/2002		02/14/2002		02/14
	DateAnalyzed	02/13/2002		02/14/2002		02/14
	SDGNumber	55885		55885		559
Parameter	**Units**					
Tetrachloroethylene (PCE)	ug/l	0.64	J	2500	R	1.3
Dibromochloromethane	ug/l	5	U	2500	R	5
Chlorobenzene	ug/L	1300	R	6100	=	28.7
Ethylbenzene	ug/L	0.21	J	2500	R	5
m+p Xylene	ug/l	5	U	2500	R	5
o-Xylene	ug/l	5	U	2500	R	5
Xylenes, Total	ug/L	5	U	2500	R	5
Styrene	ug/L	5	U	2500	R	5
Bromoform	ug/L	5	U	2500	R	5
1,1,2,2-Tetrachloroethane	ug/L	5	U	2500	R	5
1,3-Dichlorobenzene	ug/L	248	R	168	J	0.88
1,4-Dichlorobenzene	ug/L	548	R	448	J	1.9
1,2-Dichlorobenzene	ug/L	2240	R	17500	=	18.8
1,2,4-Trichlorobenzene	ug/L	6.6	=	2500	R	5
1,2,3-Trichlorobenzene	ug/l	1	J	2500	R	5

	StationID	GW011	H196GW012		H196GW013	
	SampleID	011M1	196GW012M1		196GW013M1	
	DateCollected	/2002	02/11/2002		02/11/2002	
	DateExtracted	/2002	02/14/2002		02/14/2002	
	DateAnalyzed	/2002	02/14/2002		02/14/2002	
	SDGNumber	53	55953		55953	
Parameter	**Units**					
Tetrachloroethylene (PCE)	ug/l	J	5	U	250	U
Dibromochloromethane	ug/l	U	5	U	250	U
Chlorobenzene	ug/L	=	13.1	=	9140	R
Ethylbenzene	ug/L	U	5	U	250	U
m+p Xylene	ug/l	U	5	U	250	U
o-Xylene	ug/l	U	5	U	250	U
Xylenes, Total	ug/L	U	5	U	250	U
Styrene	ug/L	U	5	U	250	U
Bromoform	ug/L	U	5	U	250	U
1,1,2,2-Tetrachloroethane	ug/L	U	5	U	250	U
1,3-Dichlorobenzene	ug/L	J	5	U	110	J
1,4-Dichlorobenzene	ug/L	J	0.54	J	306	=
1,2-Dichlorobenzene	ug/L	=	15.3	=	11600	R
1,2,4-Trichlorobenzene	ug/L	U	5	U	250	U
1,2,3-Trichlorobenzene	ug/l	U	5	U	250	U

	StationID	H196GW013		H196GW014		H196G
	SampleID	196GW013M1LR		196GW014M1		196GW
	DateCollected	02/11/2002		02/11/2002		02/11
	DateExtracted	02/15/2002		02/14/2002		02/15
	DateAnalyzed	02/15/2002		02/14/2002		02/15
	SDGNumber	55953		55953		55
Parameter	**Units**					
Tetrachloroethylene (PCE)	ug/l	1250	R	2500	U	1250
Dibromochloromethane	ug/l	1250	R	2500	U	1250
Chlorobenzene	ug/L	8630	=	6440	=	15000
Ethylbenzene	ug/L	1250	R	2500	U	1250
m+p Xylene	ug/l	1250	R	2500	U	1250
o-Xylene	ug/l	1250	R	2500	U	1250
Xylenes, Total	ug/L	1250	R	2500	U	1250
Styrene	ug/L	1250	R	2500	U	1250
Bromoform	ug/L	1250	R	2500	U	1250
1,1,2,2-Tetrachloroethane	ug/L	1250	R	2500	U	1250
1,3-Dichlorobenzene	ug/L	87.4	R	1460	J	78.2
1,4-Dichlorobenzene	ug/L	270	R	2670	=	266
1,2-Dichlorobenzene	ug/L	10200	=	32500	=	197
1,2,4-Trichlorobenzene	ug/L	1250	R	2500	U	1250
1,2,3-Trichlorobenzene	ug/l	1250	R	2500	U	1250

	StationID	W015	H196GW016		H196GW017	
	SampleID	015M1	196GW016M3		196GW017M3	
	DateCollected	/2002	03/11/2002		03/11/2002	
	DateExtracted	/2002	03/14/2002		03/14/2002	
	DateAnalyzed	/2002	03/14/2002		03/14/2002	
	SDGNumber	53	57356		57356	
Parameter	**Units**					
Tetrachloroethylene (PCE)	ug/l	U	25	U	10	U
Dibromochloromethane	ug/l	U	25	U	10	U
Chlorobenzene	ug/L	=	65.2	=	36.9	=
Ethylbenzene	ug/L	U	0.92	J	0.56	J
m+p Xylene	ug/l	U	25	U	10	U
o-Xylene	ug/l	U	25	U	10	U
Xylenes, Total	ug/L	U	25	U	10	U
Styrene	ug/L	U	25	U	10	U
Bromoform	ug/L	U	25	U	10	U
1,1,2,2-Tetrachloroethane	ug/L	U	25	U	10	U
1,3-Dichlorobenzene	ug/L	J	7.2	J	4	J
1,4-Dichlorobenzene	ug/L	J	25	U	10	U
1,2-Dichlorobenzene	ug/L	J	258	=	113	=
1,2,4-Trichlorobenzene	ug/L	U	25	U	10	U
1,2,3-Trichlorobenzene	ug/l	U	25	U	10	U

	StationID	H009GW020		H009GW020		H196(
	SampleID	009GW020M4		009GW020M4DL		196GW
	DateCollected	03/20/2002		03/20/2002		03/20
	DateExtracted	03/27/2002		03/28/2002		03/28
	DateAnalyzed	03/27/2002		03/28/2002		03/28
	SDGNumber	CNC77		CNC77		CN
Parameter	**Units**					
Tetrachloroethylene (PCE)	ug/l	50	U	250	R	25
Dibromochloromethane	ug/l	50	U	250	R	25
Chlorobenzene	ug/L	4500	R	5600	=	47
Ethylbenzene	ug/L	50	U	250	R	25
m+p Xylene	ug/l	50	U	250	R	25
o-Xylene	ug/l	50	U	250	R	25
Xylenes, Total	ug/L	50	U	250	R	25
Styrene	ug/L	50	U	250	R	25
Bromoform	ug/L	50	U	250	R	25
1,1,2,2-Tetrachloroethane	ug/L	50	U	250	R	25
1,3-Dichlorobenzene	ug/L	26	J	33	R	8.3
1,4-Dichlorobenzene	ug/L	70	=	100	R	22
1,2-Dichlorobenzene	ug/L	180	=	340	R	670
1,2,4-Trichlorobenzene	ug/L	50	U	250	R	25
1,2,3-Trichlorobenzene	ug/l	50	U	250	R	25

	StationID	W006	H196GW010		HGELGW015	
	SampleID	006M4	196GW010M4		GELGW015M4	
	DateCollected	/2002	03/20/2002		03/20/2002	
	DateExtracted	/2002	03/28/2002		03/28/2002	
	DateAnalyzed	/2002	03/28/2002		03/28/2002	
	SDGNumber	C77	CNC77		CNC77	
Parameter	**Units**					
Tetrachloroethylene (PCE)	ug/l	U	25	U	10	U
Dibromochloromethane	ug/l	U	25	U	10	U
Chlorobenzene	ug/L	=	180	=	590	R
Ethylbenzene	ug/L	U	25	U	10	U
m+p Xylene	ug/l	U	25	U	10	U
o-Xylene	ug/l	U	25	U	10	U
Xylenes, Total	ug/L	U	25	U	10	U
Styrene	ug/L	U	25	U	10	U
Bromoform	ug/L	U	25	U	10	U
1,1,2,2-Tetrachloroethane	ug/L	U	25	U	10	U
1,3-Dichlorobenzene	ug/L	J	10	J	32	=
1,4-Dichlorobenzene	ug/L	J	16	J	78	=
1,2-Dichlorobenzene	ug/L	=	590	=	2100	R
1,2,4-Trichlorobenzene	ug/L	U	25	U	10	U
1,2,3-Trichlorobenzene	ug/l	U	25	U	10	U

	StationID	HGELGW015		H009GW021		H009G
	SampleID	GELGW015M4DL		009GW021M4		009GW
	DateCollected	03/20/2002		03/21/2002		03/21/
	DateExtracted	03/28/2002		03/28/2002		03/27/
	DateAnalyzed	03/28/2002		03/28/2002		03/27/
	SDGNumber	CNC77		CNC77		CNC
Parameter	**Units**					
Tetrachloroethylene (PCE)	ug/l	100	R	100	U	9.5
Dibromochloromethane	ug/l	100	R	100	U	25
Chlorobenzene	ug/L	640	=	800	=	130
Ethylbenzene	ug/L	100	R	100	U	25
m+p Xylene	ug/l	100	R	100	U	25
o-Xylene	ug/l	100	R	100	U	25
Xylenes, Total	ug/L	100	R	100	U	25
Styrene	ug/L	100	R	100	U	25
Bromoform	ug/L	100	R	100	U	3.6
1,1,2,2-Tetrachloroethane	ug/L	100	R	100	U	6.8
1,3-Dichlorobenzene	ug/L	34	R	150	=	83
1,4-Dichlorobenzene	ug/L	83	R	250	=	130
1,2-Dichlorobenzene	ug/L	2100	=	2100	=	1800
1,2,4-Trichlorobenzene	ug/L	100	R	100	U	43
1,2,3-Trichlorobenzene	ug/l	100	R	100	U	66

	StationID	W022
	SampleID	022M4
	DateCollected	2002
	DateExtracted	2002
	DateAnalyzed	2002
	SDGNumber	77
Parameter	**Units**	
Tetrachloroethylene (PCE)	ug/l	J
Dibromochloromethane	ug/l	U
Chlorobenzene	ug/L	=
Ethylbenzene	ug/L	U
m+p Xylene	ug/l	U
o-Xylene	ug/l	U
Xylenes, Total	ug/L	U
Styrene	ug/L	U
Bromoform	ug/L	J
1,1,2,2-Tetrachloroethane	ug/L	J
1,3-Dichlorobenzene	ug/L	=
1,4-Dichlorobenzene	ug/L	=
1,2-Dichlorobenzene	ug/L	R
1,2,4-Trichlorobenzene	ug/L	=
1,2,3-Trichlorobenzene	ug/l	=

	StationID	H009GW022		H009GW022		H196G
	SampleID	009GW022M4DL		009HW022M4		196GW
	DateCollected	03/21/2002		03/21/2002		03/21
	DateExtracted	03/28/2002		03/28/2002		03/28
	DateAnalyzed	03/28/2002		03/28/2002		03/28
	SDGNumber	CNC77		CNC77		CN(
Parameter	**Units**					
m-Xylene	ug/l					
Chloromethane	ug/L	100	R	100	U	50
Vinyl chloride	ug/l	100	R	100	U	50
Bromomethane	ug/L	100	R	100	U	50
Chloroethane	ug/L	100	R	100	U	50
1,1-Dichloroethene	ug/L	50	R	50	U	25
Acetone	ug/l	100	R	100	UJ	50
Carbon Disulfide	ug/l	50	R	50	U	25
Methylene Chloride	ug/l	50	R	50	U	25
trans-1,2-Dichloroethene	ug/L	50	R	50	U	25
1,1-Dichloroethane	ug/L	50	R	50	U	25
Vinyl acetate	ug/L	100	R	100	U	50
Methyl ethyl ketone (2-Butanone)	ug/L	100	R	100	U	50
cis-1,2-Dichloroethylene	ug/l	20	R	24	J	23
1,2-Dichloroethene (total)	ug/L	20	R	24	J	23
Chloroform	ug/L	50	R	50	U	25
1,1,1-Trichloroethane	ug/l	50	R	50	U	25
Carbon Tetrachloride	ug/L	50	R	50	U	25
1,2-Dichloroethane	ug/L	50	R	50	U	25
Benzene	ug/L	5	R	7.4	J	34
Trichloroethylene (TCE)	ug/l	6.9	R	8.8	J	6.7
1,2-Dichloropropane	ug/l	50	R	50	U	25
Bromodichloromethane	ug/L	50	R	50	U	25
2-Chloroethyl vinyl ether	ug/L	100	R	100	U	50
cis-1,3-Dichloropropene	ug/L	50	R	50	U	25
Methyl isobutyl ketone (4-Methyl-2-pentanone)	ug/L	100	R	100	U	50
Toluene	ug/l	50	R	50	U	25
trans-1,3-Dichloropropene	ug/L	50	R	50	U	25
1,1,2-Trichloroethane	ug/l	50	R	50	U	25
2-Hexanone	ug/l	100	R	100	U	50

	StationID	GW004	H196GW004		H196GW005	
	SampleID	004M4	196GW004M4DL		196GW005M4	
	DateCollected	/2002	03/21/2002		03/21/2002	
	DateExtracted	/2002	03/28/2002		03/27/2002	
	DateAnalyzed	/2002	03/28/2002		03/27/2002	
	SDGNumber	C77	CNC77		CNC77	
Parameter	**Units**					
m-Xylene	ug/l					
Chloromethane	ug/L	U	100	R	50	U
Vinyl chloride	ug/l	U	100	R	50	U
Bromomethane	ug/L	U	100	R	50	U
Chloroethane	ug/L	U	100	R	50	U
1,1-Dichloroethene	ug/L	U	50	R	25	U
Acetone	ug/l	UJ	100	R	66	J
Carbon Disulfide	ug/l	U	50	R	10	J
Methylene Chloride	ug/l	U	50	R	25	U
trans-1,2-Dichloroethene	ug/L	U	50	R	25	U
1,1-Dichloroethane	ug/L	U	50	R	25	U
Vinyl acetate	ug/L	U	100	R	50	U
Methyl ethyl ketone (2-Butanone)	ug/L	U	100	R	50	U
cis-1,2-Dichloroethylene	ug/l	J	21	R	25	U
1,2-Dichloroethene (total)	ug/L	J	21	R	25	U
Chloroform	ug/L	U	50	R	25	U
1,1,1-Trichloroethane	ug/l	U	50	R	25	U
Carbon Tetrachloride	ug/L	U	50	R	25	U
1,2-Dichloroethane	ug/L	U	50	R	25	U
Benzene	ug/L	=	31	R	25	U
Trichloroethylene (TCE)	ug/l	J	6.6	R	25	U
1,2-Dichloropropane	ug/l	U	50	R	25	U
Bromodichloromethane	ug/L	U	50	R	25	U
2-Chloroethyl vinyl ether	ug/L	U	100	R	50	UJ
cis-1,3-Dichloropropene	ug/L	U	50	R	25	U
Methyl isobutyl ketone (4-Methyl-2-pentanone)	ug/L	U	100	R	50	UJ
Toluene	ug/l	U	14	R	25	U
trans-1,3-Dichloropropene	ug/L	U	50	R	25	U
1,1,2-Trichloroethane	ug/l	U	50	R	25	U
2-Hexanone	ug/l	U	100	R	50	UJ

	StationID	H196GW005		H196GW007		H196
	SampleID	196GW005M4DL		196GW007M4		196GW
	DateCollected	03/21/2002		03/21/2002		03/21
	DateExtracted	03/28/2002		03/28/2002		03/28
	DateAnalyzed	03/28/2002		03/28/2002		03/28
	SDGNumber	CNC77		CNC77		CN
Parameter	**Units**					
m-Xylene	ug/l					
Chloromethane	ug/L	200	R	20	U	50
Vinyl chloride	ug/l	200	R	20	U	50
Bromomethane	ug/L	200	R	20	U	50
Chloroethane	ug/L	200	R	20	U	50
1,1-Dichloroethene	ug/L	100	R	10	U	25
Acetone	ug/l	200	R	39	J	50
Carbon Disulfide	ug/l	100	R	6.6	J	25
Methylene Chloride	ug/l	100	R	10	U	2.6
trans-1,2-Dichloroethene	ug/L	100	R	10	U	25
1,1-Dichloroethane	ug/L	100	R	10	U	25
Vinyl acetate	ug/L	200	R	20	U	50
Methyl ethyl ketone (2-Butanone)	ug/L	200	R	20	U	50
cis-1,2-Dichloroethylene	ug/l	100	R	2.7	J	25
1,2-Dichloroethene (total)	ug/L	100	R	2.7	J	25
Chloroform	ug/L	100	R	10	U	25
1,1,1-Trichloroethane	ug/l	100	R	10	U	25
Carbon Tetrachloride	ug/L	100	R	10	U	25
1,2-Dichloroethane	ug/L	100	R	10	U	25
Benzene	ug/L	100	R	13	=	12
Trichloroethylene (TCE)	ug/l	100	R	0.59	J	25
1,2-Dichloropropane	ug/l	100	R	10	U	25
Bromodichloromethane	ug/L	100	R	10	U	25
2-Chloroethyl vinyl ether	ug/L	200	R	20	U	50
cis-1,3-Dichloropropene	ug/L	100	R	10	U	25
Methyl isobutyl ketone (4-Methyl-2-pentanone)	ug/L	200	R	20	U	50
Toluene	ug/l	100	R	10	U	25
trans-1,3-Dichloropropene	ug/L	100	R	10	U	25
1,1,2-Trichloroethane	ug/l	100	R	10	U	25
2-Hexanone	ug/l	200	R	20	U	50

	StationID	GW007	H196GW008		H196GW009	
	SampleID	07M4DL	196GW008M4		196GW009M4	
	DateCollected	/2002	03/21/2002		03/21/2002	
	DateExtracted	/2002	03/27/2002		03/28/2002	
	DateAnalyzed	/2002	03/27/2002		03/28/2002	
	SDGNumber	C77	CNC77		CNC77	
Parameter	**Units**					
m-Xylene	ug/l					
Chloromethane	ug/L	R	100	U	500	U
Vinyl chloride	ug/l	R	10	J	500	U
Bromomethane	ug/L	R	100	U	500	U
Chloroethane	ug/L	R	100	U	500	U
1,1-Dichloroethene	ug/L	R	50	U	250	U
Acetone	ug/l	R	100	UJ	500	UJ
Carbon Disulfide	ug/l	R	50	U	250	U
Methylene Chloride	ug/l	R	50	U	250	U
trans-1,2-Dichloroethene	ug/L	R	50	U	250	U
1,1-Dichloroethane	ug/L	R	50	U	250	U
Vinyl acetate	ug/L	R	100	U	500	U
Methyl ethyl ketone (2-Butanone)	ug/L	R	100	U	500	U
cis-1,2-Dichloroethylene	ug/l	R	19	J	33	J
1,2-Dichloroethene (total)	ug/L	R	19	J	33	J
Chloroform	ug/L	R	50	U	250	U
1,1,1-Trichloroethane	ug/l	R	50	U	250	U
Carbon Tetrachloride	ug/L	R	50	U	250	U
1,2-Dichloroethane	ug/L	R	50	U	250	U
Benzene	ug/L	R	22	J	2100	=
Trichloroethylene (TCE)	ug/l	R	50	U	17	J
1,2-Dichloropropane	ug/l	R	50	U	250	U
Bromodichloromethane	ug/L	R	50	U	250	U
2-Chloroethyl vinyl ether	ug/L	R	100	UJ	500	U
cis-1,3-Dichloropropene	ug/L	R	50	U	250	U
Methyl isobutyl ketone (4-Methyl-2-pentanone)	ug/L	R	100	UJ	500	U
Toluene	ug/l	R	50	U	330	=
trans-1,3-Dichloropropene	ug/L	R	50	U	250	U
1,1,2-Trichloroethane	ug/l	R	50	U	250	U
2-Hexanone	ug/l	R	100	UJ	500	U

	StationID	H196GW011		H196GW012		H196(
	SampleID	196GW011M4		196GW012M4		196GW
	DateCollected	03/21/2002		03/21/2002		03/21
	DateExtracted	03/27/2002		03/27/2002		03/28
	DateAnalyzed	03/27/2002		03/27/2002		03/28
	SDGNumber	CNC77		CNC77		CN(
Parameter	**Units**					
m-Xylene	ug/l					
Chloromethane	ug/L	10	U	10	U	200
Vinyl chloride	ug/l	1.8	J	10	U	200
Bromomethane	ug/L	10	U	10	U	200
Chloroethane	ug/L	10	U	10	U	200
1,1-Dichloroethene	ug/L	5	U	5	U	100
Acetone	ug/l	10	UJ	10	UJ	200
Carbon Disulfide	ug/l	5	U	5	U	100
Methylene Chloride	ug/l	5	U	5	U	100
trans-1,2-Dichloroethene	ug/L	0.62	J	5	U	100
1,1-Dichloroethane	ug/L	5	U	5	U	100
Vinyl acetate	ug/L	10	U	10	U	200
Methyl ethyl ketone (2-Butanone)	ug/L	10	U	10	U	200
cis-1,2-Dichloroethylene	ug/l	5.8	=	5	U	100
1,2-Dichloroethene (total)	ug/L	6.4	=	5	U	100
Chloroform	ug/L	5	U	5	U	100
1,1,1-Trichloroethane	ug/l	5	U	5	U	100
Carbon Tetrachloride	ug/L	5	U	5	U	100
1,2-Dichloroethane	ug/L	5	U	5	U	100
Benzene	ug/L	6.1	=	5	U	30
Trichloroethylene (TCE)	ug/l	2.7	J	5	U	100
1,2-Dichloropropane	ug/l	5	U	5	U	100
Bromodichloromethane	ug/L	5	U	5	U	100
2-Chloroethyl vinyl ether	ug/L	10	UJ	10	UJ	200
cis-1,3-Dichloropropene	ug/L	5	U	5	U	100
Methyl isobutyl ketone (4-Methyl-2-pentanone)	ug/L	10	UJ	10	UJ	200
Toluene	ug/l	5	U	5	U	100
trans-1,3-Dichloropropene	ug/L	5	U	5	U	100
1,1,2-Trichloroethane	ug/l	5	U	5	U	100
2-Hexanone	ug/l	10	UJ	10	UJ	200

	StationID	W013	H196GW013		H196GW014	
	SampleID	013M4	196GW013M4DL		196GW014M4	
	DateCollected	/2002	03/21/2002		03/21/2002	
	DateExtracted	/2002	03/28/2002		03/28/2002	
	DateAnalyzed	/2002	03/28/2002		03/28/2002	
	SDGNumber	C77	CNC77		CNC77	
Parameter	**Units**					
m-Xylene	ug/l					
Chloromethane	ug/L	U	1000	R	200	U
Vinyl chloride	ug/l	U	1000	R	200	U
Bromomethane	ug/L	U	1000	R	200	U
Chloroethane	ug/L	U	1000	R	200	U
1,1-Dichloroethene	ug/L	U	500	R	100	U
Acetone	ug/l	UJ	1000	R	5800	J
Carbon Disulfide	ug/l	U	500	R	100	U
Methylene Chloride	ug/l	U	500	R	100	U
trans-1,2-Dichloroethene	ug/L	U	500	R	100	U
1,1-Dichloroethane	ug/L	U	500	R	100	U
Vinyl acetate	ug/L	U	1000	R	200	U
Methyl ethyl ketone (2-Butanone)	ug/L	U	1000	R	200	U
cis-1,2-Dichloroethylene	ug/l	U	500	R	100	U
1,2-Dichloroethene (total)	ug/L	U	500	R	100	U
Chloroform	ug/L	U	500	R	100	U
1,1,1-Trichloroethane	ug/l	U	500	R	100	U
Carbon Tetrachloride	ug/L	U	500	R	100	U
1,2-Dichloroethane	ug/L	U	500	R	100	U
Benzene	ug/L	J	38	R	700	=
Trichloroethylene (TCE)	ug/l	U	500	R	100	U
1,2-Dichloropropane	ug/l	U	500	R	100	U
Bromodichloromethane	ug/L	U	500	R	100	U
2-Chloroethyl vinyl ether	ug/L	U	1000	R	200	U
cis-1,3-Dichloropropene	ug/L	U	500	R	100	U
Methyl isobutyl ketone (4-Methyl-2-pentanone)	ug/L	U	1000	R	200	U
Toluene	ug/l	U	500	R	340	=
trans-1,3-Dichloropropene	ug/L	U	500	R	100	U
1,1,2-Trichloroethane	ug/l	U	500	R	100	U
2-Hexanone	ug/l	U	1000	R	200	U

	StationID	H196GW014		H196GW015		H196G
	SampleID	196GW014M4DL		196GW015M4		196GW0
	DateCollected	03/21/2002		03/21/2002		03/21
	DateExtracted	03/28/2002		03/28/2002		03/28
	DateAnalyzed	03/28/2002		03/28/2002		03/28
	SDGNumber	CNC77		CNC77		CN
Parameter	**Units**					
m-Xylene	ug/l					
Chloromethane	ug/L	2000	R	100	U	200
Vinyl chloride	ug/l	2000	R	880	=	1600
Bromomethane	ug/L	2000	R	100	U	200
Chloroethane	ug/L	2000	R	100	U	200
1,1-Dichloroethene	ug/L	1000	R	50	U	100
Acetone	ug/l	4000	R	100	UJ	200
Carbon Disulfide	ug/l	1000	R	50	U	100
Methylene Chloride	ug/l	1000	R	50	U	100
trans-1,2-Dichloroethene	ug/L	1000	R	50	U	100
1,1-Dichloroethane	ug/L	1000	R	29	J	64
Vinyl acetate	ug/L	2000	R	100	U	200
Methyl ethyl ketone (2-Butanone)	ug/L	2000	R	100	U	200
cis-1,2-Dichloroethylene	ug/l	1000	R	720	=	930
1,2-Dichloroethene (total)	ug/L	1000	R	720	=	930
Chloroform	ug/L	1000	R	50	U	100
1,1,1-Trichloroethane	ug/l	1000	R	50	U	100
Carbon Tetrachloride	ug/L	1000	R	50	U	100
1,2-Dichloroethane	ug/L	1000	R	50	U	100
Benzene	ug/L	740	R	170	=	220
Trichloroethylene (TCE)	ug/l	1000	R	73	=	100
1,2-Dichloropropane	ug/l	1000	R	50	U	100
Bromodichloromethane	ug/L	1000	R	50	U	100
2-Chloroethyl vinyl ether	ug/L	2000	R	100	U	200
cis-1,3-Dichloropropene	ug/L	1000	R	50	U	100
Methyl isobutyl ketone (4-Methyl-2-pentanone)	ug/L	2000	R	100	U	200
Toluene	ug/l	380	R	50	U	100
trans-1,3-Dichloropropene	ug/L	1000	R	50	U	100
1,1,2-Trichloroethane	ug/l	1000	R	50	U	100
2-Hexanone	ug/l	2000	R	100	U	200

	StationID	GW015	H196GW016		H196GW017	
	SampleID	15M4DL	196GW016M4		196GW017M4	
	DateCollected	/2002	03/21/2002		03/21/2002	
	DateExtracted	/2002	03/27/2002		03/27/2002	
	DateAnalyzed	/2002	03/27/2002		03/27/2002	
	SDGNumber	C77	CNC77		CNC77	
Parameter	**Units**					
m-Xylene	ug/l					
Chloromethane	ug/L	R	10	U	10	U
Vinyl chloride	ug/l	R	1.6	J	10	U
Bromomethane	ug/L	R	10	U	10	U
Chloroethane	ug/L	R	10	U	10	U
1,1-Dichloroethene	ug/L	R	5	U	5	U
Acetone	ug/l	R	10	UJ	10	UJ
Carbon Disulfide	ug/l	R	5	U	5	U
Methylene Chloride	ug/l	R	5	U	5	U
trans-1,2-Dichloroethene	ug/L	R	5	U	5	U
1,1-Dichloroethane	ug/L	R	5	U	5	U
Vinyl acetate	ug/L	R	10	U	10	U
Methyl ethyl ketone (2-Butanone)	ug/L	R	10	U	10	U
cis-1,2-Dichloroethylene	ug/l	R	5	U	5	U
1,2-Dichloroethene (total)	ug/L	R	5	U	5	U
Chloroform	ug/L	R	5	U	5	U
1,1,1-Trichloroethane	ug/l	R	5	U	5	U
Carbon Tetrachloride	ug/L	R	5	U	5	U
1,2-Dichloroethane	ug/L	R	5	U	5	U
Benzene	ug/L	R	5	U	5	U
Trichloroethylene (TCE)	ug/l	R	3.3	J	5	U
1,2-Dichloropropane	ug/l	R	5	U	5	U
Bromodichloromethane	ug/L	R	5	U	5	U
2-Chloroethyl vinyl ether	ug/L	R	10	UJ	10	UJ
cis-1,3-Dichloropropene	ug/L	R	5	U	5	U
Methyl isobutyl ketone (4-Methyl-2-pentanone)	ug/L	R	10	UJ	10	UJ
Toluene	ug/l	R	5	U	5	U
trans-1,3-Dichloropropene	ug/L	R	5	U	5	U
1,1,2-Trichloroethane	ug/l	R	5	U	5	U
2-Hexanone	ug/l	R	10	UJ	10	UJ

	StationID	H196GW017		H009GW020		H009G
	SampleID	196HW005M4		009GW020M5		009GW0
	DateCollected	03/21/2002		04/23/2002		04/23
	DateExtracted	03/27/2002		04/30/2002		05/01
	DateAnalyzed	03/27/2002		04/30/2002		05/01
	SDGNumber	CNC77		59367		59
Parameter	**Units**					
m-Xylene	ug/l					
Chloromethane	ug/L	200	U	1000	U	2500
Vinyl chloride	ug/l	200	U	1000	U	2500
Bromomethane	ug/L	200	U	1000	U	2500
Chloroethane	ug/L	200	U	1000	U	2500
1,1-Dichloroethene	ug/L	100	U	500	U	1250
Acetone	ug/l	200	UJ	1000	U	2500
Carbon Disulfide	ug/l	100	U	500	U	1250
Methylene Chloride	ug/l	100	U	500	U	674
trans-1,2-Dichloroethene	ug/L	100	U	500	U	1250
1,1-Dichloroethane	ug/L	100	U	500	U	1250
Vinyl acetate	ug/L	200	U	1000	U	2500
Methyl ethyl ketone (2-Butanone)	ug/L	200	U	1000	U	2500
cis-1,2-Dichloroethylene	ug/l	100	U	500	U	1250
1,2-Dichloroethene (total)	ug/L	100	U	500	U	1250
Chloroform	ug/L	100	U	500	U	1250
1,1,1-Trichloroethane	ug/l	100	U	500	U	1250
Carbon Tetrachloride	ug/L	100	U	500	U	1250
1,2-Dichloroethane	ug/L	100	U	500	U	1250
Benzene	ug/L	100	U	500	U	1250
Trichloroethylene (TCE)	ug/l	100	U	500	U	1250
1,2-Dichloropropane	ug/l	100	U	500	U	1250
Bromodichloromethane	ug/L	100	U	500	U	1250
2-Chloroethyl vinyl ether	ug/L	200	UJ	500	U	1250
cis-1,3-Dichloropropene	ug/L	100	U	500	U	1250
Methyl isobutyl ketone (4-Methyl-2-pentanone)	ug/L	200	UJ	1000	U	2500
Toluene	ug/l	100	U	500	U	1250
trans-1,3-Dichloropropene	ug/L	100	U	500	U	1250
1,1,2-Trichloroethane	ug/l	100	U	500	U	1250
2-Hexanone	ug/l	200	UJ	1000	U	2500

	StationID	W020	H009GW021		H009GW021	
	SampleID	20M5DL	009GW021M5		009GW021M5DL	
	DateCollected	/2002	04/23/2002		04/23/2002	
	DateExtracted	/2002	04/30/2002		05/01/2002	
	DateAnalyzed	/2002	04/30/2002		05/01/2002	
	SDGNumber	367	59367		59367	
Parameter	**Units**					
m-Xylene	ug/l					
Chloromethane	ug/L	R	1000	U	2500	R
Vinyl chloride	ug/l	R	1000	U	2500	R
Bromomethane	ug/L	R	1000	U	2500	R
Chloroethane	ug/L	R	1000	U	2500	R
1,1-Dichloroethene	ug/L	R	500	U	1250	R
Acetone	ug/l	R	1000	U	2500	R
Carbon Disulfide	ug/l	R	500	U	1250	R
Methylene Chloride	ug/l	R	500	U	679	R
trans-1,2-Dichloroethene	ug/L	R	500	U	1250	R
1,1-Dichloroethane	ug/L	R	500	U	1250	R
Vinyl acetate	ug/L	R	1000	U	2500	R
Methyl ethyl ketone (2-Butanone)	ug/L	R	1000	U	2500	R
cis-1,2-Dichloroethylene	ug/l	R	122	J	104	R
1,2-Dichloroethene (total)	ug/L	R	122	J	104	R
Chloroform	ug/L	R	500	U	1250	R
1,1,1-Trichloroethane	ug/l	R	500	U	1250	R
Carbon Tetrachloride	ug/L	R	500	U	1250	R
1,2-Dichloroethane	ug/L	R	500	U	1250	R
Benzene	ug/L	R	136	J	144	R
Trichloroethylene (TCE)	ug/l	R	500	U	1250	R
1,2-Dichloropropane	ug/l	R	500	U	1250	R
Bromodichloromethane	ug/L	R	500	U	1250	R
2-Chloroethyl vinyl ether	ug/L	R	500	U	1250	R
cis-1,3-Dichloropropene	ug/L	R	500	U	1250	R
Methyl isobutyl ketone (4-Methyl-2-pentanone)	ug/L	R	1000	U	2500	R
Toluene	ug/l	R	239	J	229	R
trans-1,3-Dichloropropene	ug/L	R	500	U	1250	R
1,1,2-Trichloroethane	ug/l	R	500	U	1250	R
2-Hexanone	ug/l	R	1000	U	2500	R

	StationID	H196GW006		H196GW007		H196(
	SampleID	196GW006M5		196GW007M5		196GW
	DateCollected	04/23/2002		04/23/2002		04/23
	DateExtracted	04/29/2002		04/29/2002		04/25
	DateAnalyzed	04/29/2002		04/29/2002		04/25
	SDGNumber	59366		59366		59
Parameter	**Units**					
m-Xylene	ug/l					
Chloromethane	ug/L	200	U	250	U	1000
Vinyl chloride	ug/l	200	U	250	U	1000
Bromomethane	ug/L	200	U	250	U	1000
Chloroethane	ug/L	200	U	250	U	1000
1,1-Dichloroethene	ug/L	100	U	125	U	500
Acetone	ug/l	200	U	250	U	1000
Carbon Disulfide	ug/l	100	U	125	U	500
Methylene Chloride	ug/l	100	U	125	UJ	500
trans-1,2-Dichloroethene	ug/L	100	U	125	U	500
1,1-Dichloroethane	ug/L	100	U	125	U	500
Vinyl acetate	ug/L	200	U	250	U	1000
Methyl ethyl ketone (2-Butanone)	ug/L	200	U	250	U	1000
cis-1,2-Dichloroethylene	ug/l	100	U	125	U	63.2
1,2-Dichloroethene (total)	ug/L	100	U	125	U	63.2
Chloroform	ug/L	100	U	125	U	500
1,1,1-Trichloroethane	ug/l	100	U	125	U	500
Carbon Tetrachloride	ug/L	100	U	125	U	500
1,2-Dichloroethane	ug/L	100	U	125	U	500
Benzene	ug/L	100	U	33	J	64.3
Trichloroethylene (TCE)	ug/l	100	U	125	U	500
1,2-Dichloropropane	ug/l	100	U	125	U	500
Bromodichloromethane	ug/L	100	U	125	U	500
2-Chloroethyl vinyl ether	ug/L	100	U	125	U	500
cis-1,3-Dichloropropene	ug/L	100	U	125	U	500
Methyl isobutyl ketone (4-Methyl-2-pentanone)	ug/L	200	U	250	U	1000
Toluene	ug/l	100	U	125	U	78.9
trans-1,3-Dichloropropene	ug/L	100	U	125	U	500
1,1,2-Trichloroethane	ug/l	100	U	125	U	500
2-Hexanone	ug/l	200	U	250	U	1000

	StationID	SW008	H196GW010		H196GW011	
	SampleID	008M5	196GW010M5		196GW011M5	
	DateCollected	/2002	04/23/2002		04/23/2002	
	DateExtracted	/2002	04/29/2002		04/29/2002	
	DateAnalyzed	/2002	04/29/2002		04/29/2002	
	SDGNumber	66	59366		59366	
Parameter	**Units**					
m-Xylene	ug/l					
Chloromethane	ug/L	U	200	U	20	U
Vinyl chloride	ug/l	U	200	U	8.5	J
Bromomethane	ug/L	U	200	U	20	U
Chloroethane	ug/L	U	200	U	20	U
1,1-Dichloroethene	ug/L	U	100	U	10	U
Acetone	ug/l	U	200	U	20	UJ
Carbon Disulfide	ug/l	U	100	U	10	U
Methylene Chloride	ug/l	U	100	UJ	10	U
trans-1,2-Dichloroethene	ug/L	U	100	U	10	U
1,1-Dichloroethane	ug/L	U	100	U	10	U
Vinyl acetate	ug/L	U	200	U	20	U
Methyl ethyl ketone (2-Butanone)	ug/L	U	200	U	20	U
cis-1,2-Dichloroethylene	ug/l	J	100	U	8.2	J
1,2-Dichloroethene (total)	ug/L	J	100	U	8.2	J
Chloroform	ug/L	U	100	U	10	U
1,1,1-Trichloroethane	ug/l	U	100	U	10	U
Carbon Tetrachloride	ug/L	U	100	U	10	U
1,2-Dichloroethane	ug/L	U	100	U	10	U
Benzene	ug/L	J	100	U	2.8	J
Trichloroethylene (TCE)	ug/l	U	100	U	5.2	J
1,2-Dichloropropane	ug/l	U	100	U	10	U
Bromodichloromethane	ug/L	U	100	U	10	U
2-Chloroethyl vinyl ether	ug/L	U	100	U	10	U
cis-1,3-Dichloropropene	ug/L	U	100	U	10	U
Methyl isobutyl ketone (4-Methyl-2-pentanone)	ug/L	U	200	U	20	U
Toluene	ug/l	J	100	U	10	U
trans-1,3-Dichloropropene	ug/L	U	100	U	10	U
1,1,2-Trichloroethane	ug/l	U	100	U	10	U
2-Hexanone	ug/l	U	200	U	20	U

	StationID	H196GW015		HGELGW015		H009(
	SampleID	196GW015M5		GELGW015M5		009GW
	DateCollected	04/23/2002		04/23/2002		04/24
	DateExtracted	04/30/2002		04/30/2002		04/25
	DateAnalyzed	04/30/2002		04/30/2002		04/25
	SDGNumber	59366		59366		59:
Parameter	**Units**					
m-Xylene	ug/l					
Chloromethane	ug/L	250	U	500	U	10
Vinyl chloride	ug/l	2230	=	500	U	10
Bromomethane	ug/L	250	U	500	U	10
Chloroethane	ug/L	250	U	500	U	10
1,1-Dichloroethene	ug/L	125	U	250	U	5
Acetone	ug/l	250	U	500	U	10
Carbon Disulfide	ug/l	125	U	250	U	5
Methylene Chloride	ug/l	125	U	250	U	5
trans-1,2-Dichloroethene	ug/L	125	U	250	U	5
1,1-Dichloroethane	ug/L	38.7	J	250	U	5
Vinyl acetate	ug/L	250	U	500	U	10
Methyl ethyl ketone (2-Butanone)	ug/L	250	U	500	U	10
cis-1,2-Dichloroethylene	ug/l	1080	=	250	U	25
1,2-Dichloroethene (total)	ug/L	1080	=	250	U	25
Chloroform	ug/L	125	U	250	U	5
1,1,1-Trichloroethane	ug/l	125	U	250	U	5
Carbon Tetrachloride	ug/L	125	U	250	U	5
1,2-Dichloroethane	ug/L	125	U	250	U	5
Benzene	ug/L	18	J	250	U	0.76
Trichloroethylene (TCE)	ug/l	136	=	250	U	9.6
1,2-Dichloropropane	ug/l	125	U	250	U	5
Bromodichloromethane	ug/L	125	U	250	U	5
2-Chloroethyl vinyl ether	ug/L	125	U	250	U	5
cis-1,3-Dichloropropene	ug/L	125	U	250	U	5
Methyl isobutyl ketone (4-Methyl-2-pentanone)	ug/L	250	U	500	U	10
Toluene	ug/l	125	U	250	U	5
trans-1,3-Dichloropropene	ug/L	125	U	250	U	5
1,1,2-Trichloroethane	ug/l	125	U	250	U	5
2-Hexanone	ug/l	250	U	500	U	10

	StationID	W022	H009GW022		H009GW022	
	SampleID	022M5	009GW022M5DL		009HW022M5	
	DateCollected	/2002	04/24/2002		04/24/2002	
	DateExtracted	/2002	04/25/2002		04/29/2002	
	DateAnalyzed	/2002	04/25/2002		04/29/2002	
	SDGNumber	366	59366		59366	
Parameter	**Units**					
m-Xylene	ug/l					
Chloromethane	ug/L	U	1000	R	500	U
Vinyl chloride	ug/l	U	1000	R	500	U
Bromomethane	ug/L	U	1000	R	500	U
Chloroethane	ug/L	U	1000	R	500	U
1,1-Dichloroethene	ug/L	U	500	R	250	U
Acetone	ug/l	U	492	R	500	U
Carbon Disulfide	ug/l	U	500	R	250	U
Methylene Chloride	ug/l	U	230	R	250	UJ
trans-1,2-Dichloroethene	ug/L	U	500	R	250	U
1,1-Dichloroethane	ug/L	U	500	R	250	U
Vinyl acetate	ug/L	U	1000	R	500	U
Methyl ethyl ketone (2-Butanone)	ug/L	U	1000	R	500	U
cis-1,2-Dichloroethylene	ug/l	=	500	R	21.6	J
1,2-Dichloroethene (total)	ug/L	=	500	R	21.6	J
Chloroform	ug/L	U	500	R	250	U
1,1,1-Trichloroethane	ug/l	U	500	R	250	U
Carbon Tetrachloride	ug/L	U	500	R	250	U
1,2-Dichloroethane	ug/L	U	500	R	250	U
Benzene	ug/L	J	500	R	250	U
Trichloroethylene (TCE)	ug/l	=	500	R	250	U
1,2-Dichloropropane	ug/l	U	500	R	250	U
Bromodichloromethane	ug/L	U	500	R	250	U
2-Chloroethyl vinyl ether	ug/L	U	500	R	250	U
cis-1,3-Dichloropropene	ug/L	U	500	R	250	U
Methyl isobutyl ketone (4-Methyl-2-pentanone)	ug/L	U	1000	R	500	U
Toluene	ug/l	U	500	R	250	U
trans-1,3-Dichloropropene	ug/L	U	500	R	250	U
1,1,2-Trichloroethane	ug/l	U	500	R	250	U
2-Hexanone	ug/l	U	1000	R	500	U

	StationID	H196GW004		H196GW005		H196(
	SampleID	196GW004M5		196GW005M5		196HW
	DateCollected	04/24/2002		04/24/2002		04/24
	DateExtracted	04/29/2002		04/25/2002		04/30
	DateAnalyzed	04/29/2002		04/25/2002		04/30
	SDGNumber	59366		59366		59:
Parameter	**Units**					
m-Xylene	ug/l					
Chloromethane	ug/L	200	U	1000	U	1000
Vinyl chloride	ug/l	200	U	1000	U	1000
Bromomethane	ug/L	200	U	1000	U	1000
Chloroethane	ug/L	200	U	1000	U	1000
1,1-Dichloroethene	ug/L	100	U	500	U	500
Acetone	ug/l	200	U	1000	U	1000
Carbon Disulfide	ug/l	100	U	500	U	500
Methylene Chloride	ug/l	100	UJ	500	U	500
trans-1,2-Dichloroethene	ug/L	100	U	500	U	500
1,1-Dichloroethane	ug/L	100	U	500	U	500
Vinyl acetate	ug/L	200	U	1000	U	1000
Methyl ethyl ketone (2-Butanone)	ug/L	200	U	1000	U	1000
cis-1,2-Dichloroethylene	ug/l	14.3	J	500	U	500
1,2-Dichloroethene (total)	ug/L	14.3	J	500	U	500
Chloroform	ug/L	100	U	500	U	500
1,1,1-Trichloroethane	ug/l	100	U	500	U	500
Carbon Tetrachloride	ug/L	100	U	500	U	500
1,2-Dichloroethane	ug/L	100	U	500	U	500
Benzene	ug/L	29.2	J	500	U	500
Trichloroethylene (TCE)	ug/l	100	U	500	U	500
1,2-Dichloropropane	ug/l	100	U	500	U	500
Bromodichloromethane	ug/L	100	U	500	U	500
2-Chloroethyl vinyl ether	ug/L	100	U	500	U	500
cis-1,3-Dichloropropene	ug/L	100	U	500	U	500
Methyl isobutyl ketone (4-Methyl-2-pentanone)	ug/L	200	U	1000	U	1000
Toluene	ug/l	100	U	500	U	500
trans-1,3-Dichloropropene	ug/L	100	U	500	U	500
1,1,2-Trichloroethane	ug/l	100	U	500	U	500
2-Hexanone	ug/l	200	U	1000	U	1000

	StationID	GW005	H196GW009		H196GW009	
	SampleID	005M5	196GW009M5		196GW009M5DL	
	DateCollected	/2002	04/24/2002		04/24/2002	
	DateExtracted	/2002	04/25/2002		04/29/2002	
	DateAnalyzed	/2002	04/25/2002		04/29/2002	
	SDGNumber	366	59366		59366	
Parameter	**Units**					
m-Xylene	ug/l					
Chloromethane	ug/L	U	1000	U	5000	R
Vinyl chloride	ug/l	U	1000	U	5000	R
Bromomethane	ug/L	U	1000	U	5000	R
Chloroethane	ug/L	U	1000	U	5000	R
1,1-Dichloroethene	ug/L	U	500	U	2500	R
Acetone	ug/l	U	1000	U	5000	R
Carbon Disulfide	ug/l	U	500	U	2500	R
Methylene Chloride	ug/l	U	500	U	1400	R
trans-1,2-Dichloroethene	ug/L	U	500	U	2500	R
1,1-Dichloroethane	ug/L	U	500	U	2500	R
Vinyl acetate	ug/L	U	1000	U	5000	R
Methyl ethyl ketone (2-Butanone)	ug/L	U	1000	U	5000	R
cis-1,2-Dichloroethylene	ug/l	U	68.8	J	2500	R
1,2-Dichloroethene (total)	ug/L	U	68.8	J	2500	R
Chloroform	ug/L	U	500	U	2500	R
1,1,1-Trichloroethane	ug/l	U	500	U	2500	R
Carbon Tetrachloride	ug/L	U	500	U	2500	R
1,2-Dichloroethane	ug/L	U	500	U	2500	R
Benzene	ug/L	U	2340	=	2200	R
Trichloroethylene (TCE)	ug/l	U	500	U	2500	R
1,2-Dichloropropane	ug/l	U	500	U	2500	R
Bromodichloromethane	ug/L	U	500	U	2500	R
2-Chloroethyl vinyl ether	ug/L	U	500	U	2500	R
cis-1,3-Dichloropropene	ug/L	U	500	U	2500	R
Methyl isobutyl ketone (4-Methyl-2-pentanone)	ug/L	U	1000	U	5000	R
Toluene	ug/l	U	56.6	J	2500	R
trans-1,3-Dichloropropene	ug/L	U	500	U	2500	R
1,1,2-Trichloroethane	ug/l	U	500	U	2500	R
2-Hexanone	ug/l	U	1000	U	5000	R

	StationID	H196GW012		H196GW013		H196(
	SampleID	196GW012M5		196GW013M5		196GW
	DateCollected	04/24/2002		04/24/2002		04/24
	DateExtracted	04/29/2002		04/29/2002		04/25
	DateAnalyzed	04/29/2002		04/29/2002		04/25
	SDGNumber	59366		59366		59
Parameter	**Units**					
m-Xylene	ug/l					
Chloromethane	ug/L	1.3	J	100	U	1000
Vinyl chloride	ug/l	10	U	100	U	1000
Bromomethane	ug/L	10	U	100	U	1000
Chloroethane	ug/L	10	U	100	U	1000
1,1-Dichloroethene	ug/L	5	U	50	U	500
Acetone	ug/l	10	U	100	U	1800
Carbon Disulfide	ug/l	5	U	50	U	500
Methylene Chloride	ug/l	5	UJ	50	UJ	500
trans-1,2-Dichloroethene	ug/L	5	U	50	U	500
1,1-Dichloroethane	ug/L	5	U	50	U	500
Vinyl acetate	ug/L	10	U	100	U	1000
Methyl ethyl ketone (2-Butanone)	ug/L	10	U	100	U	1000
cis-1,2-Dichloroethylene	ug/l	5	U	50	U	500
1,2-Dichloroethene (total)	ug/L	5	U	50	U	500
Chloroform	ug/L	5	U	50	U	500
1,1,1-Trichloroethane	ug/l	5	U	50	U	500
Carbon Tetrachloride	ug/L	5	U	50	U	500
1,2-Dichloroethane	ug/L	5	U	50	U	500
Benzene	ug/L	5	U	8.9	J	845
Trichloroethylene (TCE)	ug/l	5	U	50	U	500
1,2-Dichloropropane	ug/l	5	U	50	U	500
Bromodichloromethane	ug/L	5	U	50	U	500
2-Chloroethyl vinyl ether	ug/L	5	U	50	U	500
cis-1,3-Dichloropropene	ug/L	5	U	50	U	500
Methyl isobutyl ketone (4-Methyl-2-pentanone)	ug/L	10	U	100	U	1000
Toluene	ug/l	5	U	50	U	354
trans-1,3-Dichloropropene	ug/L	5	U	50	U	500
1,1,2-Trichloroethane	ug/l	5	U	50	U	500
2-Hexanone	ug/l	10	U	100	U	1000

	StationID	GW014	H196GW014		H196GW016	
	SampleID	014M5	196GW014M5DL		196GW016M5	
	DateCollected	/2002	04/24/2002		04/24/2002	
	DateExtracted	/2002	04/30/2002		04/29/2002	
	DateAnalyzed	/2002	04/30/2002		04/29/2002	
	SDGNumber	66	59366		59366	
Parameter	**Units**					
m-Xylene	ug/l					
Chloromethane	ug/L	U	5000	R	10	U
Vinyl chloride	ug/l	U	5000	R	10	U
Bromomethane	ug/L	U	5000	R	10	U
Chloroethane	ug/L	U	5000	R	10	U
1,1-Dichloroethene	ug/L	U	2500	R	5	U
Acetone	ug/l	U	2150	R	10	U
Carbon Disulfide	ug/l	U	2500	R	5	U
Methylene Chloride	ug/l	U	1280	R	5	UJ
trans-1,2-Dichloroethene	ug/L	U	2500	R	5	U
1,1-Dichloroethane	ug/L	U	2500	R	5	U
Vinyl acetate	ug/L	U	5000	R	10	U
Methyl ethyl ketone (2-Butanone)	ug/L	U	5000	R	10	U
cis-1,2-Dichloroethylene	ug/l	U	2500	R	5	U
1,2-Dichloroethene (total)	ug/L	U	2500	R	5	U
Chloroform	ug/L	U	2500	R	5	U
1,1,1-Trichloroethane	ug/l	U	2500	R	5	U
Carbon Tetrachloride	ug/L	U	2500	R	5	U
1,2-Dichloroethane	ug/L	U	2500	R	5	U
Benzene	ug/L	=	716	R	5	U
Trichloroethylene (TCE)	ug/l	U	2500	R	5	U
1,2-Dichloropropane	ug/l	U	2500	R	5	U
Bromodichloromethane	ug/L	U	2500	R	5	U
2-Chloroethyl vinyl ether	ug/L	U	2500	R	5	U
cis-1,3-Dichloropropene	ug/L	U	2500	R	5	U
Methyl isobutyl ketone (4-Methyl-2-pentanone)	ug/L	U	5000	R	10	U
Toluene	ug/l	J	343	R	5	U
trans-1,3-Dichloropropene	ug/L	U	2500	R	5	U
1,1,2-Trichloroethane	ug/l	U	2500	R	5	U
2-Hexanone	ug/l	U	5000	R	10	U

	StationID	H196GW017		H009GW021		H009G
	SampleID	196GW017M5		009GW021M6		009GWC
	DateCollected	04/24/2002		06/19/2002		06/19
	DateExtracted	04/29/2002		06/27/2002		06/27
	DateAnalyzed	04/29/2002		06/27/2002		06/27
	SDGNumber	59366		CNC118		CNC
Parameter	**Units**					
m-Xylene	ug/l			100	U	500
Chloromethane	ug/L	10	U	200	U	1000
Vinyl chloride	ug/l	10	U	200	U	1000
Bromomethane	ug/L	10	U	200	UJ	1000
Chloroethane	ug/L	10	U	200	U	1000
1,1-Dichloroethene	ug/L	5	U	100	U	500
Acetone	ug/l	10	U	200	U	1000
Carbon Disulfide	ug/l	5	U	100	U	500
Methylene Chloride	ug/l	5	UJ	100	U	260
trans-1,2-Dichloroethene	ug/L	5	U	100	U	500
1,1-Dichloroethane	ug/L	5	U	100	U	500
Vinyl acetate	ug/L	10	U	200	U	1000
Methyl ethyl ketone (2-Butanone)	ug/L	10	U	200	U	1000
cis-1,2-Dichloroethylene	ug/l	5	U	17	J	500
1,2-Dichloroethene (total)	ug/L	5	U	17	J	500
Chloroform	ug/L	5	U	100	U	500
1,1,1-Trichloroethane	ug/l	5	U	100	U	500
Carbon Tetrachloride	ug/L	5	U	100	U	500
1,2-Dichloroethane	ug/L	5	U	100	U	500
Benzene	ug/L	0.56	J	42	J	51
Trichloroethylene (TCE)	ug/l	5	U	7.7	J	500
1,2-Dichloropropane	ug/l	5	U	100	U	500
Bromodichloromethane	ug/L	5	U	100	U	500
2-Chloroethyl vinyl ether	ug/L	5	U	200	U	1000
cis-1,3-Dichloropropene	ug/L	5	U	100	U	500
Methyl isobutyl ketone (4-Methyl-2-pentanone)	ug/L	10	U	200	U	1000
Toluene	ug/l	5	U	100	U	500
trans-1,3-Dichloropropene	ug/L	5	U	100	U	500
1,1,2-Trichloroethane	ug/l	5	U	100	U	500
2-Hexanone	ug/l	10	U	200	U	1000

	StationID	W021	H009GW021		H009GW020	
	SampleID	21M6DL	009HW021M6		009GW020M7	
	DateCollected	/2002	06/19/2002		09/04/2002	
	DateExtracted	/2002	06/26/2002		09/17/2002	
	DateAnalyzed	/2002	06/26/2002		09/17/2002	
	SDGNumber	118	CNC118		66577	
Parameter	**Units**					
m-Xylene	ug/l	R	50	U		
Chloromethane	ug/L	R	100	U	10	U
Vinyl chloride	ug/l	R	100	U	10	U
Bromomethane	ug/L	R	100	UJ	10	U
Chloroethane	ug/L	R	100	U	10	U
1,1-Dichloroethene	ug/L	R	50	U	5	U
Acetone	ug/l	R	100	U	10	U
Carbon Disulfide	ug/l	R	50	U	5	UJ
Methylene Chloride	ug/l	R	50	U	5	U
trans-1,2-Dichloroethene	ug/L	R	50	U	5	U
1,1-Dichloroethane	ug/L	R	50	U	5	U
Vinyl acetate	ug/L	R	100	U	10	UJ
Methyl ethyl ketone (2-Butanone)	ug/L	R	100	U	10	U
cis-1,2-Dichloroethylene	ug/l	R	10	J	5	U
1,2-Dichloroethene (total)	ug/L	R	10	J	5	U
Chloroform	ug/L	R	50	U	5	U
1,1,1-Trichloroethane	ug/l	R	50	U	5	U
Carbon Tetrachloride	ug/L	R	50	U	5	U
1,2-Dichloroethane	ug/L	R	50	U	5	U
Benzene	ug/L	R	11	J	1.8	J
Trichloroethylene (TCE)	ug/l	R	50	U	5	U
1,2-Dichloropropane	ug/l	R	50	U	5	U
Bromodichloromethane	ug/L	R	50	U	5	U
2-Chloroethyl vinyl ether	ug/L	R	100	UJ	10	U
cis-1,3-Dichloropropene	ug/L	R	50	U	5	U
Methyl isobutyl ketone (4-Methyl-2-pentanone)	ug/L	R	100	U	10	U
Toluene	ug/l	R	50	U	0.62	J
trans-1,3-Dichloropropene	ug/L	R	50	U	5	U
1,1,2-Trichloroethane	ug/l	R	50	U	5	U
2-Hexanone	ug/l	R	100	U	10	U

	StationID	H009GW020		H009GW020		H009G
	SampleID	009GW020M7DL		009HW020M7		009HWC
	DateCollected	09/04/2002		09/04/2002		09/04
	DateExtracted	09/18/2002		09/17/2002		09/18
	DateAnalyzed	09/18/2002		09/17/2002		09/18
	SDGNumber	66577		66577		66
Parameter	**Units**					
m-Xylene	ug/l					
Chloromethane	ug/L	50	R	10	U	50
Vinyl chloride	ug/l	50	R	10	U	50
Bromomethane	ug/L	50	R	10	U	50
Chloroethane	ug/L	50	R	10	U	50
1,1-Dichloroethene	ug/L	25	R	5	U	25
Acetone	ug/l	50	R	10	U	50
Carbon Disulfide	ug/l	25	R	5	UJ	25
Methylene Chloride	ug/l	25	R	5	U	25
trans-1,2-Dichloroethene	ug/L	25	R	5	U	25
1,1-Dichloroethane	ug/L	25	R	5	U	25
Vinyl acetate	ug/L	50	R	10	UJ	50
Methyl ethyl ketone (2-Butanone)	ug/L	50	R	10	U	50
cis-1,2-Dichloroethylene	ug/l	25	R	5	U	25
1,2-Dichloroethene (total)	ug/L	25	R	5	U	25
Chloroform	ug/L	25	R	5	U	25
1,1,1-Trichloroethane	ug/l	25	R	5	U	25
Carbon Tetrachloride	ug/L	25	R	5	U	25
1,2-Dichloroethane	ug/L	25	R	5	U	25
Benzene	ug/L	25	R	1.7	J	25
Trichloroethylene (TCE)	ug/l	25	R	5	U	25
1,2-Dichloropropane	ug/l	25	R	5	U	25
Bromodichloromethane	ug/L	25	R	5	U	25
2-Chloroethyl vinyl ether	ug/L	50	R	10	U	50
cis-1,3-Dichloropropene	ug/L	25	R	5	U	25
Methyl isobutyl ketone (4-Methyl-2-pentanone)	ug/L	50	R	10	U	50
Toluene	ug/l	25	R	0.57	J	25
trans-1,3-Dichloropropene	ug/L	25	R	5	U	25
1,1,2-Trichloroethane	ug/l	25	R	5	U	25
2-Hexanone	ug/l	50	R	10	U	50

	StationID	W020	H009GW022		H196GW004	
	SampleID	20M7DL	009GW022M7		196GW004M7	
	DateCollected	/2002	09/04/2002		09/04/2002	
	DateExtracted	/2002	09/18/2002		09/17/2002	
	DateAnalyzed	/2002	09/18/2002		09/17/2002	
	SDGNumber	577	66577		66577	
Parameter	**Units**					
m-Xylene	ug/l					
Chloromethane	ug/L	R	10	U	10	U
Vinyl chloride	ug/l	R	10	U	10	U
Bromomethane	ug/L	R	10	U	10	U
Chloroethane	ug/L	R	10	U	10	U
1,1-Dichloroethene	ug/L	R	5	U	5	U
Acetone	ug/l	R	10	U	10	U
Carbon Disulfide	ug/l	R	5	UJ	5	UJ
Methylene Chloride	ug/l	R	5	U	5	U
trans-1,2-Dichloroethene	ug/L	R	5	U	5	U
1,1-Dichloroethane	ug/L	R	5	U	5	U
Vinyl acetate	ug/L	R	10	UJ	10	UJ
Methyl ethyl ketone (2-Butanone)	ug/L	R	10	U	10	U
cis-1,2-Dichloroethylene	ug/l	R	2.7	J	2	J
1,2-Dichloroethene (total)	ug/L	R	2.7	J	2	J
Chloroform	ug/L	R	5	U	5	U
1,1,1-Trichloroethane	ug/l	R	5	U	5	U
Carbon Tetrachloride	ug/L	R	5	U	5	U
1,2-Dichloroethane	ug/L	R	5	U	5	U
Benzene	ug/L	R	5	U	3.6	J
Trichloroethylene (TCE)	ug/l	R	1.1	J	1.4	J
1,2-Dichloropropane	ug/l	R	5	U	5	U
Bromodichloromethane	ug/L	R	5	U	5	U
2-Chloroethyl vinyl ether	ug/L	R	10	U	10	U
cis-1,3-Dichloropropene	ug/L	R	5	U	5	U
Methyl isobutyl ketone (4-Methyl-2-pentanone)	ug/L	R	10	U	10	U
Toluene	ug/l	R	5	U	5	U
trans-1,3-Dichloropropene	ug/L	R	5	U	5	U
1,1,2-Trichloroethane	ug/l	R	5	U	5	U
2-Hexanone	ug/l	R	10	U	10	U

	StationID	H196GW005		H196GW009		H196(
	SampleID	196GW005M7		196GW009M7		196GW
	DateCollected	09/04/2002		09/04/2002		09/04
	DateExtracted	09/17/2002		09/12/2002		09/17
	DateAnalyzed	09/17/2002		09/12/2002		09/17
	SDGNumber	66577		66577		66
Parameter	**Units**					
m-Xylene	ug/l					
Chloromethane	ug/L	10	U	500	U	10
Vinyl chloride	ug/l	10	U	500	U	10
Bromomethane	ug/L	10	U	500	U	10
Chloroethane	ug/L	10	U	500	U	10
1,1-Dichloroethene	ug/L	5	U	250	U	5
Acetone	ug/l	6.3	J	500	U	10
Carbon Disulfide	ug/l	2.5	J	250	U	5
Methylene Chloride	ug/l	5	U	250	U	5
trans-1,2-Dichloroethene	ug/L	5	U	250	U	5
1,1-Dichloroethane	ug/L	5	U	250	U	5
Vinyl acetate	ug/L	10	UJ	500	U	10
Methyl ethyl ketone (2-Butanone)	ug/L	10	U	500	U	10
cis-1,2-Dichloroethylene	ug/l	5	U	250	U	5
1,2-Dichloroethene (total)	ug/L	5	U	250	U	5
Chloroform	ug/L	0.39	J	250	U	5
1,1,1-Trichloroethane	ug/l	5	U	250	U	5
Carbon Tetrachloride	ug/L	5	U	250	U	5
1,2-Dichloroethane	ug/L	5	U	250	U	5
Benzene	ug/L	5	U	18	J	5
Trichloroethylene (TCE)	ug/l	5	U	250	U	5
1,2-Dichloropropane	ug/l	5	U	250	U	5
Bromodichloromethane	ug/L	5	U	250	U	5
2-Chloroethyl vinyl ether	ug/L	10	U	500	UJ	10
cis-1,3-Dichloropropene	ug/L	5	U	250	U	5
Methyl isobutyl ketone (4-Methyl-2-pentanone)	ug/L	10	U	500	U	10
Toluene	ug/l	5	U	37.6	J	5
trans-1,3-Dichloropropene	ug/L	5	U	250	U	5
1,1,2-Trichloroethane	ug/l	5	U	250	U	5
2-Hexanone	ug/l	10	U	500	U	10

	StationID	W012	H196GW013		H196GW014	
	SampleID	012M7	196GW013M7		196GW014M7	
	DateCollected	/2002	09/04/2002		09/04/2002	
	DateExtracted	/2002	09/12/2002		09/12/2002	
	DateAnalyzed	/2002	09/12/2002		09/12/2002	
	SDGNumber	577	66577		66577	
Parameter	**Units**					
m-Xylene	ug/l					
Chloromethane	ug/L	U	500	U	500	U
Vinyl chloride	ug/l	U	500	U	500	U
Bromomethane	ug/L	U	500	U	500	U
Chloroethane	ug/L	U	500	U	500	U
1,1-Dichloroethene	ug/L	U	250	U	250	U
Acetone	ug/l	U	500	U	358	J
Carbon Disulfide	ug/l	UJ	250	U	250	U
Methylene Chloride	ug/l	U	250	U	250	U
trans-1,2-Dichloroethene	ug/L	U	250	U	250	U
1,1-Dichloroethane	ug/L	U	250	U	250	U
Vinyl acetate	ug/L	UJ	500	U	500	U
Methyl ethyl ketone (2-Butanone)	ug/L	U	500	U	500	U
cis-1,2-Dichloroethylene	ug/l	U	250	U	250	U
1,2-Dichloroethene (total)	ug/L	U	250	U	250	U
Chloroform	ug/L	U	250	U	250	U
1,1,1-Trichloroethane	ug/l	U	250	U	250	U
Carbon Tetrachloride	ug/L	U	250	U	250	U
1,2-Dichloroethane	ug/L	U	250	U	250	U
Benzene	ug/L	U	279	=	1140	=
Trichloroethylene (TCE)	ug/l	U	250	U	250	U
1,2-Dichloropropane	ug/l	U	250	U	250	U
Bromodichloromethane	ug/L	U	250	U	250	U
2-Chloroethyl vinyl ether	ug/L	U	500	UJ	500	UJ
cis-1,3-Dichloropropene	ug/L	U	250	U	250	U
Methyl isobutyl ketone (4-Methyl-2-pentanone)	ug/L	U	500	U	500	U
Toluene	ug/l	U	250	U	199	J
trans-1,3-Dichloropropene	ug/L	U	250	U	250	U
1,1,2-Trichloroethane	ug/l	U	250	U	250	U
2-Hexanone	ug/l	U	500	U	500	U

	StationID	H196GW014		H196GW016		H196(
	SampleID	196GW014M7DL		196GW016M7		196GW
	DateCollected	09/04/2002		09/04/2002		09/04
	DateExtracted	09/18/2002		09/17/2002		09/17
	DateAnalyzed	09/18/2002		09/17/2002		09/17
	SDGNumber	66577		66577		66
Parameter	**Units**					
m-Xylene	ug/l					
Chloromethane	ug/L	2000	R	10	U	10
Vinyl chloride	ug/l	2000	R	10	U	10
Bromomethane	ug/L	2000	R	10	U	10
Chloroethane	ug/L	2000	R	10	U	10
1,1-Dichloroethene	ug/L	1000	R	5	U	5
Acetone	ug/l	2000	R	10	U	2.6
Carbon Disulfide	ug/l	1000	R	5	UJ	5
Methylene Chloride	ug/l	1000	R	5	U	5
trans-1,2-Dichloroethene	ug/L	1000	R	5	U	5
1,1-Dichloroethane	ug/L	1000	R	5	U	5
Vinyl acetate	ug/L	2000	R	10	UJ	10
Methyl ethyl ketone (2-Butanone)	ug/L	2000	R	10	U	10
cis-1,2-Dichloroethylene	ug/l	1000	R	5	U	5
1,2-Dichloroethene (total)	ug/L	1000	R	5	U	5
Chloroform	ug/L	1000	R	5	U	5
1,1,1-Trichloroethane	ug/l	1000	R	5	U	5
Carbon Tetrachloride	ug/L	1000	R	5	U	5
1,2-Dichloroethane	ug/L	1000	R	5	U	5
Benzene	ug/L	966	R	5	U	5
Trichloroethylene (TCE)	ug/l	1000	R	5	U	5
1,2-Dichloropropane	ug/l	1000	R	5	U	5
Bromodichloromethane	ug/L	1000	R	5	U	5
2-Chloroethyl vinyl ether	ug/L	2000	R	10	U	10
cis-1,3-Dichloropropene	ug/L	1000	R	5	U	5
Methyl isobutyl ketone (4-Methyl-2-pentanone)	ug/L	2000	R	10	U	10
Toluene	ug/l	192	R	5	U	5
trans-1,3-Dichloropropene	ug/L	1000	R	5	U	5
1,1,2-Trichloroethane	ug/l	1000	R	5	U	5
2-Hexanone	ug/l	2000	R	10	U	10

	StationID	W017	H196GW017		H009GW021	
	SampleID	017M7	196HW017M7		009GW021M7	
	DateCollected	/2002	09/04/2002		09/05/2002	
	DateExtracted	/2002	09/17/2002		09/18/2002	
	DateAnalyzed	/2002	09/17/2002		09/18/2002	
	SDGNumber	577	66577		66577	
Parameter	**Units**					
m-Xylene	ug/l					
Chloromethane	ug/L	U	10	U	250	U
Vinyl chloride	ug/l	U	10	U	250	U
Bromomethane	ug/L	U	10	U	250	U
Chloroethane	ug/L	U	10	U	250	U
1,1-Dichloroethene	ug/L	U	5	U	125	U
Acetone	ug/l	J	3.3	J	250	U
Carbon Disulfide	ug/l	UJ	5	UJ	125	UJ
Methylene Chloride	ug/l	U	5	U	125	U
trans-1,2-Dichloroethene	ug/L	U	5	U	125	U
1,1-Dichloroethane	ug/L	U	5	U	125	U
Vinyl acetate	ug/L	UJ	10	UJ	250	UJ
Methyl ethyl ketone (2-Butanone)	ug/L	U	10	U	250	U
cis-1,2-Dichloroethylene	ug/l	U	5	U	11.8	J
1,2-Dichloroethene (total)	ug/L	U	5	U	11.8	J
Chloroform	ug/L	U	5	U	125	U
1,1,1-Trichloroethane	ug/l	U	5	U	125	U
Carbon Tetrachloride	ug/L	U	5	U	125	U
1,2-Dichloroethane	ug/L	U	5	U	125	U
Benzene	ug/L	U	5	U	125	U
Trichloroethylene (TCE)	ug/l	U	5	U	125	U
1,2-Dichloropropane	ug/l	U	5	U	125	U
Bromodichloromethane	ug/L	U	5	U	125	U
2-Chloroethyl vinyl ether	ug/L	U	10	U	250	U
cis-1,3-Dichloropropene	ug/L	U	5	U	125	U
Methyl isobutyl ketone (4-Methyl-2-pentanone)	ug/L	U	10	U	250	U
Toluene	ug/l	U	5	U	125	U
trans-1,3-Dichloropropene	ug/L	U	5	U	125	U
1,1,2-Trichloroethane	ug/l	U	5	U	125	U
2-Hexanone	ug/l	U	10	U	250	U

	StationID	H196GW007		H196GW007		H196
	SampleID	196GW007M7		196GW007M7DL		196GW
	DateCollected	09/05/2002		09/05/2002		09/05
	DateExtracted	09/12/2002		09/18/2002		09/18
	DateAnalyzed	09/12/2002		09/18/2002		09/18
	SDGNumber	66577		66577		66
Parameter	**Units**					
m-Xylene	ug/l					
Chloromethane	ug/L	500	U	2000	R	50
Vinyl chloride	ug/l	500	U	2000	R	49.1
Bromomethane	ug/L	500	U	2000	R	50
Chloroethane	ug/L	500	U	2000	R	50
1,1-Dichloroethene	ug/L	250	U	1000	R	25
Acetone	ug/l	500	U	2000	R	50
Carbon Disulfide	ug/l	250	U	1000	R	25
Methylene Chloride	ug/l	250	U	1000	R	25
trans-1,2-Dichloroethene	ug/L	250	U	1000	R	25
1,1-Dichloroethane	ug/L	250	U	1000	R	25
Vinyl acetate	ug/L	500	U	2000	R	50
Methyl ethyl ketone (2-Butanone)	ug/L	500	U	2000	R	50
cis-1,2-Dichloroethylene	ug/l	250	U	1000	R	29.4
1,2-Dichloroethene (total)	ug/L	250	U	1000	R	29.4
Chloroform	ug/L	250	U	1000	R	25
1,1,1-Trichloroethane	ug/l	250	U	1000	R	25
Carbon Tetrachloride	ug/L	250	U	1000	R	25
1,2-Dichloroethane	ug/L	250	U	1000	R	25
Benzene	ug/L	180	J	1000	R	8.8
Trichloroethylene (TCE)	ug/l	250	U	1000	R	3.7
1,2-Dichloropropane	ug/l	250	U	1000	R	25
Bromodichloromethane	ug/L	250	U	1000	R	25
2-Chloroethyl vinyl ether	ug/L	500	UJ	2000	R	50
cis-1,3-Dichloropropene	ug/L	250	U	1000	R	25
Methyl isobutyl ketone (4-Methyl-2-pentanone)	ug/L	500	U	2000	R	50
Toluene	ug/l	250	U	1000	R	25
trans-1,3-Dichloropropene	ug/L	250	U	1000	R	25
1,1,2-Trichloroethane	ug/l	250	U	1000	R	25
2-Hexanone	ug/l	500	U	2000	R	50

	StationID	W008	H196GW008		H196GW010	
	SampleID	008M7	196GW008M7DL		196GW010M7	
	DateCollected	/2002	09/05/2002		09/05/2002	
	DateExtracted	/2002	09/12/2002		09/17/2002	
	DateAnalyzed	/2002	09/12/2002		09/17/2002	
	SDGNumber	577	66577		66577	
Parameter	**Units**					
m-Xylene	ug/l					
Chloromethane	ug/L	U	500	R	10	U
Vinyl chloride	ug/l	J	500	R	10	U
Bromomethane	ug/L	U	500	R	10	U
Chloroethane	ug/L	U	500	R	10	U
1,1-Dichloroethene	ug/L	U	250	R	5	U
Acetone	ug/l	U	500	R	10	U
Carbon Disulfide	ug/l	UJ	250	R	5	UJ
Methylene Chloride	ug/l	U	250	R	5	U
trans-1,2-Dichloroethene	ug/L	U	250	R	5	U
1,1-Dichloroethane	ug/L	U	250	R	5	U
Vinyl acetate	ug/L	UJ	500	R	10	UJ
Methyl ethyl ketone (2-Butanone)	ug/L	U	500	R	10	U
cis-1,2-Dichloroethylene	ug/l	=	24.9	R	5	U
1,2-Dichloroethene (total)	ug/L	=	24.9	R	5	U
Chloroform	ug/L	U	250	R	5	U
1,1,1-Trichloroethane	ug/l	U	250	R	5	U
Carbon Tetrachloride	ug/L	U	250	R	5	U
1,2-Dichloroethane	ug/L	U	250	R	5	U
Benzene	ug/L	J	250	R	5	U
Trichloroethylene (TCE)	ug/l	J	250	R	5	U
1,2-Dichloropropane	ug/l	U	250	R	5	U
Bromodichloromethane	ug/L	U	250	R	5	U
2-Chloroethyl vinyl ether	ug/L	U	500	R	10	U
cis-1,3-Dichloropropene	ug/L	U	250	R	5	U
Methyl isobutyl ketone (4-Methyl-2-pentanone)	ug/L	U	500	R	10	U
Toluene	ug/l	U	250	R	5	U
trans-1,3-Dichloropropene	ug/L	U	250	R	5	U
1,1,2-Trichloroethane	ug/l	U	250	R	5	U
2-Hexanone	ug/l	U	500	R	10	U

	StationID	H196GW011		H196GW011		H196(
	SampleID	196GW011M7		196GW011M7DL		196GW
	DateCollected	09/05/2002		09/05/2002		09/05
	DateExtracted	09/18/2002		09/12/2002		09/18
	DateAnalyzed	09/18/2002		09/12/2002		09/18
	SDGNumber	66577		66577		66
Parameter	**Units**					
m-Xylene	ug/l					
Chloromethane	ug/L	25	U	500	R	250
Vinyl chloride	ug/l	25	U	500	R	1860
Bromomethane	ug/L	25	U	500	R	250
Chloroethane	ug/L	25	U	500	R	250
1,1-Dichloroethene	ug/L	12.5	U	250	R	125
Acetone	ug/l	25	U	500	R	250
Carbon Disulfide	ug/l	12.5	UJ	250	R	125
Methylene Chloride	ug/l	12.5	U	250	R	125
trans-1,2-Dichloroethene	ug/L	12.5	U	250	R	125
1,1-Dichloroethane	ug/L	12.5	U	250	R	32.6
Vinyl acetate	ug/L	25	UJ	500	R	250
Methyl ethyl ketone (2-Butanone)	ug/L	25	U	500	R	250
cis-1,2-Dichloroethylene	ug/l	2.9	J	250	R	932
1,2-Dichloroethene (total)	ug/L	2.9	J	250	R	932
Chloroform	ug/L	12.5	U	250	R	125
1,1,1-Trichloroethane	ug/l	12.5	U	250	R	125
Carbon Tetrachloride	ug/L	12.5	U	250	R	125
1,2-Dichloroethane	ug/L	12.5	U	250	R	125
Benzene	ug/L	1.1	J	250	R	364
Trichloroethylene (TCE)	ug/l	2.4	J	250	R	104
1,2-Dichloropropane	ug/l	12.5	U	250	R	125
Bromodichloromethane	ug/L	12.5	U	250	R	125
2-Chloroethyl vinyl ether	ug/L	25	U	500	R	250
cis-1,3-Dichloropropene	ug/L	12.5	U	250	R	125
Methyl isobutyl ketone (4-Methyl-2-pentanone)	ug/L	25	U	500	R	250
Toluene	ug/l	12.5	U	250	R	125
trans-1,3-Dichloropropene	ug/L	12.5	U	250	R	125
1,1,2-Trichloroethane	ug/l	12.5	U	250	R	125
2-Hexanone	ug/l	25	U	500	R	250

	StationID	;W015	HGELGW015		H009GW021	
	SampleID	/015M7	GELGW015M7		009GW021M8	
	DateCollected	/2002	09/05/2002		09/09/2002	
	DateExtracted	/2002	09/12/2002		09/15/2002	
	DateAnalyzed	/2002	09/12/2002		09/15/2002	
	SDGNumber	577	66577		CNC144	
Parameter	**Units**					
m-Xylene	ug/l					
Chloromethane	ug/L	U	500	U	100	U
Vinyl chloride	ug/l	=	500	U	100	U
Bromomethane	ug/L	U	500	U	100	U
Chloroethane	ug/L	U	500	U	100	U
1,1-Dichloroethene	ug/L	U	250	U	50	U
Acetone	ug/l	U	500	U	100	U
Carbon Disulfide	ug/l	UJ	250	U	50	U
Methylene Chloride	ug/l	U	250	U	50	U
trans-1,2-Dichloroethene	ug/L	U	250	U	50	U
1,1-Dichloroethane	ug/L	J	250	U	50	U
Vinyl acetate	ug/L	UJ	500	U	100	U
Methyl ethyl ketone (2-Butanone)	ug/L	U	500	U	100	U
cis-1,2-Dichloroethylene	ug/l	=	250	U	50	U
1,2-Dichloroethene (total)	ug/L	=	250	U	50	U
Chloroform	ug/L	U	250	U	50	U
1,1,1-Trichloroethane	ug/l	U	250	U	50	U
Carbon Tetrachloride	ug/L	U	250	U	50	U
1,2-Dichloroethane	ug/L	U	250	U	50	U
Benzene	ug/L	=	250	U	50	U
Trichloroethylene (TCE)	ug/l	J	250	U	50	U
1,2-Dichloropropane	ug/l	U	250	U	50	U
Bromodichloromethane	ug/L	U	250	U	50	U
2-Chloroethyl vinyl ether	ug/L	U	500	UJ	100	U
cis-1,3-Dichloropropene	ug/L	U	250	U	50	U
Methyl isobutyl ketone (4-Methyl-2-pentanone)	ug/L	U	500	U	100	U
Toluene	ug/l	U	250	U	50	U
trans-1,3-Dichloropropene	ug/L	U	250	U	50	U
1,1,2-Trichloroethane	ug/l	U	250	U	50	U
2-Hexanone	ug/l	U	500	U	100	U

	StationID	H009GW021	
	SampleID	009HW021M7	
	DateCollected	09/09/2002	
	DateExtracted	09/15/2002	
	DateAnalyzed	09/15/2002	
	SDGNumber	CNC144	
Parameter	**Units**		
m-Xylene	ug/l		
Chloromethane	ug/L	100	U
Vinyl chloride	ug/l	100	U
Bromomethane	ug/L	100	U
Chloroethane	ug/L	100	U
1,1-Dichloroethene	ug/L	50	U
Acetone	ug/l	100	U
Carbon Disulfide	ug/l	50	U
Methylene Chloride	ug/l	50	U
trans-1,2-Dichloroethene	ug/L	50	U
1,1-Dichloroethane	ug/L	50	U
Vinyl acetate	ug/L	100	U
Methyl ethyl ketone (2-Butanone)	ug/L	100	U
cis-1,2-Dichloroethylene	ug/l	50	U
1,2-Dichloroethene (total)	ug/L	50	U
Chloroform	ug/L	50	U
1,1,1-Trichloroethane	ug/l	50	U
Carbon Tetrachloride	ug/L	50	U
1,2-Dichloroethane	ug/L	50	U
Benzene	ug/L	4.2	J
Trichloroethylene (TCE)	ug/l	50	U
1,2-Dichloropropane	ug/l	50	U
Bromodichloromethane	ug/L	50	U
2-Chloroethyl vinyl ether	ug/L	100	U
cis-1,3-Dichloropropene	ug/L	50	U
Methyl isobutyl ketone (4-Methyl-2-pentanone)	ug/L	100	U
Toluene	ug/l	50	U
trans-1,3-Dichloropropene	ug/L	50	U
1,1,2-Trichloroethane	ug/l	50	U
2-Hexanone	ug/l	100	U

	StationID	H009GW022		H009GW022		H196G
	SampleID	009GW022M4DL		009HW022M4		196GW
	DateCollected	03/21/2002		03/21/2002		03/21
	DateExtracted	03/28/2002		03/28/2002		03/28
	DateAnalyzed	03/28/2002		03/28/2002		03/28
	SDGNumber	CNC77		CNC77		CN(
Parameter	**Units**					
Tetrachloroethylene (PCE)	ug/l	50	R	50	U	31
Dibromochloromethane	ug/l	50	R	50	U	25
Chlorobenzene	ug/L	85	R	99	=	250
Ethylbenzene	ug/L	50	R	50	U	25
m+p Xylene	ug/l	50	R	50	U	25
o-Xylene	ug/l	50	R	50	U	25
Xylenes, Total	ug/L	50	R	50	U	25
Styrene	ug/L	50	R	50	U	25
Bromoform	ug/L	50	R	50	U	25
1,1,2,2-Tetrachloroethane	ug/L	50	R	50	U	25
1,3-Dichlorobenzene	ug/L	54	R	60	=	62
1,4-Dichlorobenzene	ug/L	90	R	98	=	96
1,2-Dichlorobenzene	ug/L	1200	=	1400	=	1000
1,2,4-Trichlorobenzene	ug/L	50	R	50	U	6.9
1,2,3-Trichlorobenzene	ug/l	50	R	50	U	25

	StationID	GW004	H196GW004		H196GW005	
	SampleID	004M4	196GW004M4DL		196GW005M4	
	DateCollected	/2002	03/21/2002		03/21/2002	
	DateExtracted	/2002	03/28/2002		03/27/2002	
	DateAnalyzed	/2002	03/28/2002		03/27/2002	
	SDGNumber	C77	CNC77		CNC77	
Parameter	**Units**					
Tetrachloroethylene (PCE)	ug/l	=	28	R	25	U
Dibromochloromethane	ug/l	U	50	R	25	U
Chlorobenzene	ug/L	=	220	R	25	U
Ethylbenzene	ug/L	U	50	R	25	U
m+p Xylene	ug/l	U	50	R	25	U
o-Xylene	ug/l	U	50	R	25	U
Xylenes, Total	ug/L	U	50	R	25	U
Styrene	ug/L	U	50	R	25	U
Bromoform	ug/L	U	50	R	25	U
1,1,2,2-Tetrachloroethane	ug/L	U	50	R	25	U
1,3-Dichlorobenzene	ug/L	=	51	R	48	=
1,4-Dichlorobenzene	ug/L	=	82	R	250	=
1,2-Dichlorobenzene	ug/L	R	840	=	2600	R
1,2,4-Trichlorobenzene	ug/L	J	50	R	10	J
1,2,3-Trichlorobenzene	ug/l	U	50	R	25	U

	StationID	H196GW005		H196GW007		H196(
	SampleID	196GW005M4DL		196GW007M4		196GW(
	DateCollected	03/21/2002		03/21/2002		03/21
	DateExtracted	03/28/2002		03/28/2002		03/28
	DateAnalyzed	03/28/2002		03/28/2002		03/28
	SDGNumber	CNC77		CNC77		CN(
Parameter	**Units**					
Tetrachloroethylene (PCE)	ug/l	100	R	10	U	25
Dibromochloromethane	ug/l	100	R	10	U	25
Chlorobenzene	ug/L	100	R	640	R	570
Ethylbenzene	ug/L	100	R	10	U	25
m+p Xylene	ug/l	100	R	10	U	25
o-Xylene	ug/l	100	R	10	U	25
Xylenes, Total	ug/L	100	R	10	U	25
Styrene	ug/L	100	R	10	U	25
Bromoform	ug/L	100	R	10	U	25
1,1,2,2-Tetrachloroethane	ug/L	100	R	10	U	25
1,3-Dichlorobenzene	ug/L	39	R	19	=	18
1,4-Dichlorobenzene	ug/L	190	R	69	=	67
1,2-Dichlorobenzene	ug/L	1900	=	360	=	340
1,2,4-Trichlorobenzene	ug/L	100	R	10	U	25
1,2,3-Trichlorobenzene	ug/l	100	R	10	U	25

	StationID	W007	H196GW008		H196GW009	
	SampleID	07M4DL	196GW008M4		196GW009M4	
	DateCollected	/2002	03/21/2002		03/21/2002	
	DateExtracted	/2002	03/27/2002		03/28/2002	
	DateAnalyzed	/2002	03/27/2002		03/28/2002	
	SDGNumber	C77	CNC77		CNC77	
Parameter	**Units**					
Tetrachloroethylene (PCE)	ug/l	R	50	U	130	J
Dibromochloromethane	ug/l	R	50	U	250	U
Chlorobenzene	ug/L	=	730	=	4400	=
Ethylbenzene	ug/L	R	50	U	250	U
m+p Xylene	ug/l	R	50	U	250	U
o-Xylene	ug/l	R	50	U	250	U
Xylenes, Total	ug/L	R	50	U	250	U
Styrene	ug/L	R	50	U	250	U
Bromoform	ug/L	R	50	U	250	U
1,1,2,2-Tetrachloroethane	ug/L	R	50	U	250	U
1,3-Dichlorobenzene	ug/L	R	110	=	470	=
1,4-Dichlorobenzene	ug/L	R	160	=	1300	=
1,2-Dichlorobenzene	ug/L	R	1100	=	6400	=
1,2,4-Trichlorobenzene	ug/L	R	50	U	66	J
1,2,3-Trichlorobenzene	ug/l	R	50	U	250	U

	StationID	H196GW011		H196GW012		H196(
	SampleID	196GW011M4		196GW012M4		196GW
	DateCollected	03/21/2002		03/21/2002		03/21
	DateExtracted	03/27/2002		03/27/2002		03/28
	DateAnalyzed	03/27/2002		03/27/2002		03/28
	SDGNumber	CNC77		CNC77		CN
Parameter	**Units**					
Tetrachloroethylene (PCE)	ug/l	5	U	5	U	100
Dibromochloromethane	ug/l	5	U	5	U	100
Chlorobenzene	ug/L	56	=	12	=	250
Ethylbenzene	ug/L	5	U	5	U	100
m+p Xylene	ug/l	5	U	5	U	100
o-Xylene	ug/l	5	U	5	U	100
Xylenes, Total	ug/L	5	U	5	U	100
Styrene	ug/L	5	U	5	U	100
Bromoform	ug/L	5	U	5	U	100
1,1,2,2-Tetrachloroethane	ug/L	5	U	5	U	100
1,3-Dichlorobenzene	ug/L	6.4	=	5	U	120
1,4-Dichlorobenzene	ug/L	5.8	=	1.7	J	270
1,2-Dichlorobenzene	ug/L	41	=	81	=	13000
1,2,4-Trichlorobenzene	ug/L	5	U	5	U	100
1,2,3-Trichlorobenzene	ug/l	5	U	5	U	100

	StationID	W013	H196GW013		H196GW014	
	SampleID	013M4	196GW013M4DL		196GW014M4	
	DateCollected	/2002	03/21/2002		03/21/2002	
	DateExtracted	/2002	03/28/2002		03/28/2002	
	DateAnalyzed	/2002	03/28/2002		03/28/2002	
	SDGNumber	C77	CNC77		CNC77	
Parameter	**Units**					
Tetrachloroethylene (PCE)	ug/l	U	500	R	91	J
Dibromochloromethane	ug/l	U	500	R	100	U
Chlorobenzene	ug/L	=	290	R	5300	R
Ethylbenzene	ug/L	U	500	R	100	U
m+p Xylene	ug/l	U	500	R	100	U
o-Xylene	ug/l	U	500	R	100	U
Xylenes, Total	ug/L	U	500	R	100	U
Styrene	ug/L	U	500	R	100	U
Bromoform	ug/L	U	500	R	100	U
1,1,2,2-Tetrachloroethane	ug/L	U	500	R	100	U
1,3-Dichlorobenzene	ug/L	=	140	R	1200	=
1,4-Dichlorobenzene	ug/L	=	310	R	2500	=
1,2-Dichlorobenzene	ug/L	R	13000	=	30000	R
1,2,4-Trichlorobenzene	ug/L	U	500	R	93	J
1,2,3-Trichlorobenzene	ug/l	U	500	R	100	U

	StationID	H196GW014		H196GW015		H196(
	SampleID	196GW014M4DL		196GW015M4		196GW(
	DateCollected	03/21/2002		03/21/2002		03/21
	DateExtracted	03/28/2002		03/28/2002		03/28
	DateAnalyzed	03/28/2002		03/28/2002		03/28
	SDGNumber	CNC77		CNC77		CN
Parameter	**Units**					
Tetrachloroethylene (PCE)	ug/l	1000	R	50	U	100
Dibromochloromethane	ug/l	1000	R	50	U	100
Chlorobenzene	ug/L	5200	=	2000	R	2500
Ethylbenzene	ug/L	1000	R	50	U	100
m+p Xylene	ug/l	1000	R	50	U	100
o-Xylene	ug/l	1000	R	50	U	100
Xylenes, Total	ug/L	1000	R	50	U	100
Styrene	ug/L	1000	R	50	U	100
Bromoform	ug/L	1000	R	50	U	100
1,1,2,2-Tetrachloroethane	ug/L	1000	R	50	U	100
1,3-Dichlorobenzene	ug/L	1200	R	17	J	16
1,4-Dichlorobenzene	ug/L	2500	R	52	=	51
1,2-Dichlorobenzene	ug/L	29000	=	230	=	100
1,2,4-Trichlorobenzene	ug/L	1000	R	50	U	100
1,2,3-Trichlorobenzene	ug/l	1000	R	50	U	100

	StationID	W015	H196GW016		H196GW017	
	SampleID	15M4DL	196GW016M4		196GW017M4	
	DateCollected	/2002	03/21/2002		03/21/2002	
	DateExtracted	/2002	03/27/2002		03/27/2002	
	DateAnalyzed	/2002	03/27/2002		03/27/2002	
	SDGNumber	C77	CNC77		CNC77	
Parameter	**Units**					
Tetrachloroethylene (PCE)	ug/l	R	5	U	5	U
Dibromochloromethane	ug/l	R	5	U	5	U
Chlorobenzene	ug/L	=	10	=	3.4	J
Ethylbenzene	ug/L	R	5	U	5	U
m+p Xylene	ug/l	R	5	U	5	U
o-Xylene	ug/l	R	5	U	5	U
Xylenes, Total	ug/L	R	5	U	5	U
Styrene	ug/L	R	5	U	5	U
Bromoform	ug/L	R	5	U	5	U
1,1,2,2-Tetrachloroethane	ug/L	R	5	U	5	U
1,3-Dichlorobenzene	ug/L	R	5	U	5	U
1,4-Dichlorobenzene	ug/L	R	5	U	3.1	J
1,2-Dichlorobenzene	ug/L	R	8	=	110	=
1,2,4-Trichlorobenzene	ug/L	R	5	U	1.3	J
1,2,3-Trichlorobenzene	ug/l	R	5	U	5	U

	StationID	H196GW017		H009GW020		H009(
	SampleID	196HW005M4		009GW020M5		009GW(
	DateCollected	03/21/2002		04/23/2002		04/23
	DateExtracted	03/27/2002		04/30/2002		05/01
	DateAnalyzed	03/27/2002		04/30/2002		05/01
	SDGNumber	CNC77		59367		59:
Parameter	**Units**					
Tetrachloroethylene (PCE)	ug/l	100	U	500	U	1250
Dibromochloromethane	ug/l	100	U	500	U	1250
Chlorobenzene	ug/L	100	U	19300	R	16600
Ethylbenzene	ug/L	100	U	500	U	1250
m+p Xylene	ug/l	100	U	500	U	1250
o-Xylene	ug/l	100	U	500	U	1250
Xylenes, Total	ug/L	100	U	500	U	1250
Styrene	ug/L	100	U	500	U	1250
Bromoform	ug/L	100	U	500	U	1250
1,1,2,2-Tetrachloroethane	ug/L	100	U	500	U	1250
1,3-Dichlorobenzene	ug/L	49	J	104	J	1250
1,4-Dichlorobenzene	ug/L	230	=	487	J	385
1,2-Dichlorobenzene	ug/L	3200	=	1140	=	869
1,2,4-Trichlorobenzene	ug/L	100	U	500	U	1250
1,2,3-Trichlorobenzene	ug/l	100	U	500	U	1250

	StationID	W020	H009GW021		H009GW021	
	SampleID	20M5DL	009GW021M5		009GW021M5DL	
	DateCollected	/2002	04/23/2002		04/23/2002	
	DateExtracted	/2002	04/30/2002		05/01/2002	
	DateAnalyzed	/2002	04/30/2002		05/01/2002	
	SDGNumber	367	59367		59367	
Parameter	**Units**					
Tetrachloroethylene (PCE)	ug/l	R	97	J	1250	R
Dibromochloromethane	ug/l	R	500	U	1250	R
Chlorobenzene	ug/L	=	8610	=	8230	R
Ethylbenzene	ug/L	R	500	U	1250	R
m+p Xylene	ug/l	R	500	U	1250	R
o-Xylene	ug/l	R	500	U	1250	R
Xylenes, Total	ug/L	R	500	U	1250	R
Styrene	ug/L	R	500	U	1250	R
Bromoform	ug/L	R	500	U	1250	R
1,1,2,2-Tetrachloroethane	ug/L	R	500	U	1250	R
1,3-Dichlorobenzene	ug/L	R	1810	=	1510	R
1,4-Dichlorobenzene	ug/L	R	3160	=	2770	R
1,2-Dichlorobenzene	ug/L	R	17100	R	14900	=
1,2,4-Trichlorobenzene	ug/L	R	75.9	J	1250	R
1,2,3-Trichlorobenzene	ug/l	R	500	U	1250	R

	StationID	H196GW006		H196GW007		H196(
	SampleID	196GW006M5		196GW007M5		196GW
	DateCollected	04/23/2002		04/23/2002		04/23
	DateExtracted	04/29/2002		04/29/2002		04/25
	DateAnalyzed	04/29/2002		04/29/2002		04/25
	SDGNumber	59366		59366		59
Parameter	**Units**					
Tetrachloroethylene (PCE)	ug/l	100	U	125	U	500
Dibromochloromethane	ug/l	100	U	125	U	500
Chlorobenzene	ug/L	198	=	1840	=	4410
Ethylbenzene	ug/L	100	U	125	U	500
m+p Xylene	ug/l	100	U	125	U	500
o-Xylene	ug/l	100	U	125	U	500
Xylenes, Total	ug/L	100	U	125	U	500
Styrene	ug/L	100	U	125	U	500
Bromoform	ug/L	100	U	125	U	500
1,1,2,2-Tetrachloroethane	ug/L	100	U	125	U	500
1,3-Dichlorobenzene	ug/L	21	J	31	J	791
1,4-Dichlorobenzene	ug/L	45	J	79.3	J	1400
1,2-Dichlorobenzene	ug/L	1380	=	736	=	7410
1,2,4-Trichlorobenzene	ug/L	100	U	125	U	500
1,2,3-Trichlorobenzene	ug/l	100	U	125	U	500

	StationID	GW008	H196GW010		H196GW011	
	SampleID	008M5	196GW010M5		196GW011M5	
	DateCollected	/2002	04/23/2002		04/23/2002	
	DateExtracted	/2002	04/29/2002		04/29/2002	
	DateAnalyzed	/2002	04/29/2002		04/29/2002	
	SDGNumber	366	59366		59366	
Parameter	**Units**					
Tetrachloroethylene (PCE)	ug/l	U	100	U	15	=
Dibromochloromethane	ug/l	U	100	U	10	U
Chlorobenzene	ug/L	=	559	=	102	=
Ethylbenzene	ug/L	U	100	U	10	U
m+p Xylene	ug/l	U	100	U	10	U
o-Xylene	ug/l	U	100	U	10	U
Xylenes, Total	ug/L	U	100	U	10	U
Styrene	ug/L	U	100	U	10	U
Bromoform	ug/L	U	100	U	10	U
1,1,2,2-Tetrachloroethane	ug/L	U	100	U	10	U
1,3-Dichlorobenzene	ug/L	=	19.1	J	5.8	J
1,4-Dichlorobenzene	ug/L	=	46.4	J	3	J
1,2-Dichlorobenzene	ug/L	=	1420	=	17.5	=
1,2,4-Trichlorobenzene	ug/L	U	100	U	10	U
1,2,3-Trichlorobenzene	ug/l	U	100	U	10	U

	StationID	H196GW015		HGELGW015		H009C
	SampleID	196GW015M5		GELGW015M5		009GW
	DateCollected	04/23/2002		04/23/2002		04/24
	DateExtracted	04/30/2002		04/30/2002		04/25
	DateAnalyzed	04/30/2002		04/30/2002		04/25
	SDGNumber	59366		59366		59:
Parameter	**Units**					
Tetrachloroethylene (PCE)	ug/l	125	U	250	U	6.5
Dibromochloromethane	ug/l	125	U	250	U	5
Chlorobenzene	ug/L	648	=	730	=	177
Ethylbenzene	ug/L	125	U	250	U	5
m+p Xylene	ug/l	125	U	250	U	5
o-Xylene	ug/l	125	U	250	U	5
Xylenes, Total	ug/L	125	U	250	U	5
Styrene	ug/L	125	U	250	U	5
Bromoform	ug/L	125	U	250	U	5
1,1,2,2-Tetrachloroethane	ug/L	125	U	250	U	5
1,3-Dichlorobenzene	ug/L	125	U	29.7	J	105
1,4-Dichlorobenzene	ug/L	125	U	90.9	J	168
1,2-Dichlorobenzene	ug/L	49.3	J	2590	=	1460
1,2,4-Trichlorobenzene	ug/L	125	U	250	U	5.2
1,2,3-Trichlorobenzene	ug/l	125	U	250	U	1

	StationID	GW022	H009GW022		H009GW022	
	SampleID	022M5	009GW022M5DL		009HW022M5	
	DateCollected	/2002	04/24/2002		04/24/2002	
	DateExtracted	/2002	04/25/2002		04/29/2002	
	DateAnalyzed	/2002	04/25/2002		04/29/2002	
	SDGNumber	366	59366		59366	
Parameter	**Units**					
Tetrachloroethylene (PCE)	ug/l	=	500	R	250	U
Dibromochloromethane	ug/l	U	500	R	250	U
Chlorobenzene	ug/L	R	200	J	175	J
Ethylbenzene	ug/L	U	500	R	250	U
m+p Xylene	ug/l	U	500	R	250	U
o-Xylene	ug/l	U	500	R	250	U
Xylenes, Total	ug/L	U	500	R	250	U
Styrene	ug/L	U	500	R	250	U
Bromoform	ug/L	U	500	R	250	U
1,1,2,2-Tetrachloroethane	ug/L	U	500	R	250	U
1,3-Dichlorobenzene	ug/L	R	114	J	90.5	J
1,4-Dichlorobenzene	ug/L	R	207	J	159	J
1,2-Dichlorobenzene	ug/L	R	3300	=	2590	=
1,2,4-Trichlorobenzene	ug/L	=	500	R	250	U
1,2,3-Trichlorobenzene	ug/l	J	500	R	250	U

	StationID	H196GW004		H196GW005		H196(
	SampleID	196GW004M5		196GW005M5		196HW
	DateCollected	04/24/2002		04/24/2002		04/24
	DateExtracted	04/29/2002		04/25/2002		04/30
	DateAnalyzed	04/29/2002		04/25/2002		04/30
	SDGNumber	59366		59366		59:
Parameter	**Units**					
Tetrachloroethylene (PCE)	ug/l	35.3	J	500	U	500
Dibromochloromethane	ug/l	100	U	500	U	500
Chlorobenzene	ug/L	516	=	500	U	32.4
Ethylbenzene	ug/L	100	U	500	U	500
m+p Xylene	ug/l	100	U	500	U	500
o-Xylene	ug/l	100	U	500	U	500
Xylenes, Total	ug/L	100	U	500	U	500
Styrene	ug/L	100	U	500	U	500
Bromoform	ug/L	100	U	500	U	500
1,1,2,2-Tetrachloroethane	ug/L	100	U	500	U	500
1,3-Dichlorobenzene	ug/L	82.7	J	104	J	67.2
1,4-Dichlorobenzene	ug/L	156	=	306	J	221
1,2-Dichlorobenzene	ug/L	1380	=	9020	=	5020
1,2,4-Trichlorobenzene	ug/L	100	U	500	U	500
1,2,3-Trichlorobenzene	ug/l	100	U	500	U	500

	StationID	W005	H196GW009		H196GW009	
	SampleID	005M5	196GW009M5		196GW009M5DL	
	DateCollected	/2002	04/24/2002		04/24/2002	
	DateExtracted	/2002	04/25/2002		04/29/2002	
	DateAnalyzed	/2002	04/25/2002		04/29/2002	
	SDGNumber	366	59366		59366	
Parameter	**Units**					
Tetrachloroethylene (PCE)	ug/l	U	128	J	2500	R
Dibromochloromethane	ug/l	U	500	U	2500	R
Chlorobenzene	ug/L	J	7550	=	6040	R
Ethylbenzene	ug/L	U	500	U	2500	R
m+p Xylene	ug/l	U	500	U	2500	R
o-Xylene	ug/l	U	500	U	2500	R
Xylenes, Total	ug/L	U	500	U	2500	R
Styrene	ug/L	U	500	U	2500	R
Bromoform	ug/L	U	500	U	2500	R
1,1,2,2-Tetrachloroethane	ug/L	U	500	U	2500	R
1,3-Dichlorobenzene	ug/L	J	945	=	620	R
1,4-Dichlorobenzene	ug/L	J	1830	=	1410	R
1,2-Dichlorobenzene	ug/L	=	16900	R	12100	=
1,2,4-Trichlorobenzene	ug/L	U	83.3	J	2500	R
1,2,3-Trichlorobenzene	ug/l	U	500	U	2500	R

	StationID	H196GW012		H196GW013		H196(
	SampleID	196GW012M5		196GW013M5		196GW
	DateCollected	04/24/2002		04/24/2002		04/24
	DateExtracted	04/29/2002		04/29/2002		04/25
	DateAnalyzed	04/29/2002		04/29/2002		04/25
	SDGNumber	59366		59366		59:
Parameter	**Units**					
Tetrachloroethylene (PCE)	ug/l	5	U	50	U	95.3
Dibromochloromethane	ug/l	5	U	50	U	500
Chlorobenzene	ug/L	0.98	J	39.8	J	4440
Ethylbenzene	ug/L	5	U	50	U	500
m+p Xylene	ug/l	5	U	50	U	500
o-Xylene	ug/l	5	U	50	U	500
Xylenes, Total	ug/L	5	U	50	U	500
Styrene	ug/L	5	U	50	U	500
Bromoform	ug/L	5	U	50	U	500
1,1,2,2-Tetrachloroethane	ug/L	5	U	50	U	500
1,3-Dichlorobenzene	ug/L	5	U	20.4	J	1080
1,4-Dichlorobenzene	ug/L	0.76	J	26.8	J	2240
1,2-Dichlorobenzene	ug/L	2.1	J	549	=	21100
1,2,4-Trichlorobenzene	ug/L	5	U	50	U	104
1,2,3-Trichlorobenzene	ug/l	5	U	50	U	500

	StationID	GW014	H196GW014		H196GW016	
	SampleID	014M5	196GW014M5DL		196GW016M5	
	DateCollected	/2002	04/24/2002		04/24/2002	
	DateExtracted	/2002	04/30/2002		04/29/2002	
	DateAnalyzed	/2002	04/30/2002		04/29/2002	
	SDGNumber	366	59366		59366	
Parameter	**Units**					
Tetrachloroethylene (PCE)	ug/l	J	2500	R	5	U
Dibromochloromethane	ug/l	U	2500	R	5	U
Chlorobenzene	ug/L	=	3280	R	1.3	J
Ethylbenzene	ug/L	U	2500	R	5	U
m+p Xylene	ug/l	U	2500	R	5	U
o-Xylene	ug/l	U	2500	R	5	U
Xylenes, Total	ug/L	U	2500	R	5	U
Styrene	ug/L	U	2500	R	5	U
Bromoform	ug/L	U	2500	R	5	U
1,1,2,2-Tetrachloroethane	ug/L	U	2500	R	5	U
1,3-Dichlorobenzene	ug/L	=	649	R	0.55	J
1,4-Dichlorobenzene	ug/L	=	1470	R	0.91	J
1,2-Dichlorobenzene	ug/L	R	13800	=	27.4	=
1,2,4-Trichlorobenzene	ug/L	J	2500	R	0.51	J
1,2,3-Trichlorobenzene	ug/l	U	2500	R	5	U

	StationID	H196GW017		H009GW021		H009C
	SampleID	196GW017M5		009GW021M6		009GWC
	DateCollected	04/24/2002		06/19/2002		06/19
	DateExtracted	04/29/2002		06/27/2002		06/27
	DateAnalyzed	04/29/2002		06/27/2002		06/27
	SDGNumber	59366		CNC118		CNC
Parameter	**Units**					
Tetrachloroethylene (PCE)	ug/l	5	U	100	U	500
Dibromochloromethane	ug/l	5	U	100	U	500
Chlorobenzene	ug/L	5	U	2500	=	2800
Ethylbenzene	ug/L	5	U	100	U	500
m+p Xylene	ug/l	5	U			
o-Xylene	ug/l	5	U	100	U	500
Xylenes, Total	ug/L	5	U	100	U	500
Styrene	ug/L	5	U	100	U	500
Bromoform	ug/L	5	U	100	U	500
1,1,2,2-Tetrachloroethane	ug/L	5	U	100	U	500
1,3-Dichlorobenzene	ug/L	5	U	660	=	740
1,4-Dichlorobenzene	ug/L	5	U	1300	=	1400
1,2-Dichlorobenzene	ug/L	5	U	12000	R	13000
1,2,4-Trichlorobenzene	ug/L	5	U	27	J	66
1,2,3-Trichlorobenzene	ug/l	5	U	100	U	160

	StationID	W021	H009GW021		H009GW020	
	SampleID	21M6DL	009HW021M6		009GW020M7	
	DateCollected	/2002	06/19/2002		09/04/2002	
	DateExtracted	/2002	06/26/2002		09/17/2002	
	DateAnalyzed	/2002	06/26/2002		09/17/2002	
	SDGNumber	118	CNC118		66577	
Parameter	**Units**					
Tetrachloroethylene (PCE)	ug/l	R	50	U	5	U
Dibromochloromethane	ug/l	R	50	U	5	U
Chlorobenzene	ug/L	R	1200	=	137	R
Ethylbenzene	ug/L	R	50	U	5	U
m+p Xylene	ug/l				5	U
o-Xylene	ug/l	R	50	U	5	U
Xylenes, Total	ug/L	R	50	U	5	U
Styrene	ug/L	R	50	U	5	U
Bromoform	ug/L	R	50	U	5	U
1,1,2,2-Tetrachloroethane	ug/L	R	50	U	5	U
1,3-Dichlorobenzene	ug/L	R	67	=	4.1	J
1,4-Dichlorobenzene	ug/L	R	150	=	9.3	=
1,2-Dichlorobenzene	ug/L	=	1400	=	83.6	=
1,2,4-Trichlorobenzene	ug/L	R	6	J	5	U
1,2,3-Trichlorobenzene	ug/l	R	50	U	5	U

	StationID	H009GW020		H009GW020		H009C
	SampleID	009GW020M7DL		009HW020M7		009HWC
	DateCollected	09/04/2002		09/04/2002		09/04
	DateExtracted	09/18/2002		09/17/2002		09/18
	DateAnalyzed	09/18/2002		09/17/2002		09/18
	SDGNumber	66577		66577		66
Parameter	**Units**					
Tetrachloroethylene (PCE)	ug/l	25	R	5	U	25
Dibromochloromethane	ug/l	25	R	5	U	25
Chlorobenzene	ug/L	196	=	131	R	149
Ethylbenzene	ug/L	25	R	5	U	25
m+p Xylene	ug/l	25	R	5	U	25
o-Xylene	ug/l	25	R	5	U	25
Xylenes, Total	ug/L	25	R	5	U	25
Styrene	ug/L	25	R	5	U	25
Bromoform	ug/L	25	R	5	U	25
1,1,2,2-Tetrachloroethane	ug/L	25	R	5	U	25
1,3-Dichlorobenzene	ug/L	5	R	3.8	J	4
1,4-Dichlorobenzene	ug/L	13.3	R	8.4	=	10.1
1,2-Dichlorobenzene	ug/L	108	R	78.2	=	87.2
1,2,4-Trichlorobenzene	ug/L	25	R	5	U	25
1,2,3-Trichlorobenzene	ug/l	25	R	5	U	25

	StationID	GW020	H009GW022		H196GW004	
	SampleID	20M7DL	009GW022M7		196GW004M7	
	DateCollected	/2002	09/04/2002		09/04/2002	
	DateExtracted	/2002	09/18/2002		09/17/2002	
	DateAnalyzed	/2002	09/18/2002		09/17/2002	
	SDGNumber	577	66577		66577	
Parameter	**Units**					
Tetrachloroethylene (PCE)	ug/l	R	1	J	7.5	=
Dibromochloromethane	ug/l	R	5	U	0.54	J
Chlorobenzene	ug/L	=	0.69	J	57.5	=
Ethylbenzene	ug/L	R	5	U	5	U
m+p Xylene	ug/l	R	5	U	5	U
o-Xylene	ug/l	R	5	U	5	U
Xylenes, Total	ug/L	R	5	U	5	U
Styrene	ug/L	R	5	U	5	U
Bromoform	ug/L	R	5	U	5	U
1,1,2,2-Tetrachloroethane	ug/L	R	5	U	5	U
1,3-Dichlorobenzene	ug/L	R	3.3	J	12.7	=
1,4-Dichlorobenzene	ug/L	R	1.8	J	15	=
1,2-Dichlorobenzene	ug/L	R	5.5	=	96.7	=
1,2,4-Trichlorobenzene	ug/L	R	5	U	1.7	J
1,2,3-Trichlorobenzene	ug/l	R	5	U	5	U

	StationID	H196GW005		H196GW009		H196(
	SampleID	196GW005M7		196GW009M7		196GW
	DateCollected	09/04/2002		09/04/2002		09/04
	DateExtracted	09/17/2002		09/12/2002		09/17
	DateAnalyzed	09/17/2002		09/12/2002		09/17
	SDGNumber	66577		66577		66!
Parameter	**Units**					
Tetrachloroethylene (PCE)	ug/l	5	U	121	J	5
Dibromochloromethane	ug/l	0.48	J	250	U	5
Chlorobenzene	ug/L	6.9	=	163	J	2.5
Ethylbenzene	ug/L	5	U	250	U	5
m+p Xylene	ug/l	5	U	250	U	5
o-Xylene	ug/l	5	U	250	U	5
Xylenes, Total	ug/L	5	U	250	U	5
Styrene	ug/L	5	U	250	U	5
Bromoform	ug/L	5	U	250	U	5
1,1,2,2-Tetrachloroethane	ug/L	5	U	250	U	5
1,3-Dichlorobenzene	ug/L	6.2	=	233	J	2.3
1,4-Dichlorobenzene	ug/L	17.2	=	334	=	1.5
1,2-Dichlorobenzene	ug/L	38	=	3520	=	28.6
1,2,4-Trichlorobenzene	ug/L	4.2	J	27.9	J	5
1,2,3-Trichlorobenzene	ug/l	5	U	250	U	5

	StationID	W012		H196GW013		H196GW014	
	SampleID	012M7		196GW013M7		196GW014M7	
	DateCollected	/2002		09/04/2002		09/04/2002	
	DateExtracted	/2002		09/12/2002		09/12/2002	
	DateAnalyzed	/2002		09/12/2002		09/12/2002	
	SDGNumber	77		66577		66577	
Parameter	**Units**						
Tetrachloroethylene (PCE)	ug/l	U	250	U	65.2	J	
Dibromochloromethane	ug/l	U	250	U	250	U	
Chlorobenzene	ug/L	J	1640	=	5910	R	
Ethylbenzene	ug/L	U	250	U	250	U	
m+p Xylene	ug/l	U	250	U	250	U	
o-Xylene	ug/l	U	250	U	250	U	
Xylenes, Total	ug/L	U	250	U	250	U	
Styrene	ug/L	U	250	U	250	U	
Bromoform	ug/L	U	250	U	250	U	
1,1,2,2-Tetrachloroethane	ug/L	U	250	U	250	U	
1,3-Dichlorobenzene	ug/L	J	121	J	819	=	
1,4-Dichlorobenzene	ug/L	J	330	=	1910	=	
1,2-Dichlorobenzene	ug/L	=	2940	=	12300	R	
1,2,4-Trichlorobenzene	ug/L	U	250	U	131	J	
1,2,3-Trichlorobenzene	ug/l	U	250	U	250	U	

	StationID	H196GW014		H196GW016		H196(
	SampleID	196GW014M7DL		196GW016M7		196GW
	DateCollected	09/04/2002		09/04/2002		09/04
	DateExtracted	09/18/2002		09/17/2002		09/17
	DateAnalyzed	09/18/2002		09/17/2002		09/17
	SDGNumber	66577		66577		66
Parameter	**Units**					
Tetrachloroethylene (PCE)	ug/l	1000	R	5	U	5
Dibromochloromethane	ug/l	1000	R	5	U	5
Chlorobenzene	ug/L	5980	=	1.2	J	0.47
Ethylbenzene	ug/L	1000	R	5	U	5
m+p Xylene	ug/l	1000	R	5	U	5
o-Xylene	ug/l	1000	R	5	U	5
Xylenes, Total	ug/L	1000	R	5	U	5
Styrene	ug/L	1000	R	5	U	5
Bromoform	ug/L	1000	R	5	U	5
1,1,2,2-Tetrachloroethane	ug/L	1000	R	5	U	5
1,3-Dichlorobenzene	ug/L	743	R	5	U	5
1,4-Dichlorobenzene	ug/L	1510	R	0.46	J	5
1,2-Dichlorobenzene	ug/L	13000	=	13.5	=	5
1,2,4-Trichlorobenzene	ug/L	125	R	5	U	5
1,2,3-Trichlorobenzene	ug/l	1000	R	5	U	5

	StationID	W017	H196GW017		H009GW021	
	SampleID	017M7	196HW017M7		009GW021M7	
	DateCollected	/2002	09/04/2002		09/05/2002	
	DateExtracted	/2002	09/17/2002		09/18/2002	
	DateAnalyzed	/2002	09/17/2002		09/18/2002	
	SDGNumber	577	66577		66577	
Parameter	**Units**					
Tetrachloroethylene (PCE)	ug/l	U	5	U	11.4	J
Dibromochloromethane	ug/l	U	5	U	125	U
Chlorobenzene	ug/L	J	5	U	542	=
Ethylbenzene	ug/L	U	5	U	125	U
m+p Xylene	ug/l	U	5	U	125	U
o-Xylene	ug/l	U	5	U	125	U
Xylenes, Total	ug/L	U	5	U	125	U
Styrene	ug/L	U	5	U	125	U
Bromoform	ug/L	U	5	U	125	U
1,1,2,2-Tetrachloroethane	ug/L	U	5	U	125	U
1,3-Dichlorobenzene	ug/L	U	5	U	137	=
1,4-Dichlorobenzene	ug/L	U	5	U	209	=
1,2-Dichlorobenzene	ug/L	U	5	U	1800	=
1,2,4-Trichlorobenzene	ug/L	U	5	U	125	U
1,2,3-Trichlorobenzene	ug/l	U	5	U	125	U

	StationID	H196GW007		H196GW007		H196(
	SampleID	196GW007M7		196GW007M7DL		196GW
	DateCollected	09/05/2002		09/05/2002		09/05
	DateExtracted	09/12/2002		09/18/2002		09/18
	DateAnalyzed	09/12/2002		09/18/2002		09/18
	SDGNumber	66577		66577		66
Parameter	**Units**					
Tetrachloroethylene (PCE)	ug/l	250	U	1000	R	4.5
Dibromochloromethane	ug/l	250	U	1000	R	25
Chlorobenzene	ug/L	8290	R	8320	=	506
Ethylbenzene	ug/L	250	U	1000	R	25
m+p Xylene	ug/l	250	U	1000	R	25
o-Xylene	ug/l	250	U	1000	R	25
Xylenes, Total	ug/L	250	U	1000	R	25
Styrene	ug/L	250	U	1000	R	25
Bromoform	ug/L	250	U	1000	R	25
1,1,2,2-Tetrachloroethane	ug/L	250	U	1000	R	25
1,3-Dichlorobenzene	ug/L	68.6	J	1000	R	60.3
1,4-Dichlorobenzene	ug/L	173	J	190	R	96.4
1,2-Dichlorobenzene	ug/L	2530	=	2440	R	758
1,2,4-Trichlorobenzene	ug/L	250	U	1000	R	4
1,2,3-Trichlorobenzene	ug/l	250	U	1000	R	25

	StationID	GW008	H196GW008		H196GW010	
	SampleID	008M7	196GW008M7DL		196GW010M7	
	DateCollected	/2002	09/05/2002		09/05/2002	
	DateExtracted	/2002	09/12/2002		09/17/2002	
	DateAnalyzed	/2002	09/12/2002		09/17/2002	
	SDGNumber	577	66577		66577	
Parameter	**Units**					
Tetrachloroethylene (PCE)	ug/l	J	250	R	5	U
Dibromochloromethane	ug/l	U	250	R	5	U
Chlorobenzene	ug/L	R	573	=	47.5	=
Ethylbenzene	ug/L	U	250	R	5	U
m+p Xylene	ug/l	U	250	R	5	U
o-Xylene	ug/l	U	250	R	5	U
Xylenes, Total	ug/L	U	250	R	5	U
Styrene	ug/L	U	250	R	5	U
Bromoform	ug/L	U	250	R	5	U
1,1,2,2-Tetrachloroethane	ug/L	U	250	R	5	U
1,3-Dichlorobenzene	ug/L	=	71.8	R	1.6	J
1,4-Dichlorobenzene	ug/L	=	72.3	R	2.7	J
1,2-Dichlorobenzene	ug/L	R	932	=	58.1	=
1,2,4-Trichlorobenzene	ug/L	J	250	R	5	U
1,2,3-Trichlorobenzene	ug/l	U	250	R	5	U

	StationID	H196GW011		H196GW011		H196(
	SampleID	196GW011M7		196GW011M7DL		196GW
	DateCollected	09/05/2002		09/05/2002		09/05
	DateExtracted	09/18/2002		09/12/2002		09/18
	DateAnalyzed	09/18/2002		09/12/2002		09/18
	SDGNumber	66577		66577		66
Parameter	**Units**					
Tetrachloroethylene (PCE)	ug/l	17.4	=	250	R	125
Dibromochloromethane	ug/l	12.5	U	250	R	125
Chlorobenzene	ug/L	360	R	431	=	2020
Ethylbenzene	ug/L	12.5	U	250	R	125
m+p Xylene	ug/l	12.5	U	250	R	125
o-Xylene	ug/l	12.5	U	250	R	125
Xylenes, Total	ug/L	12.5	U	250	R	125
Styrene	ug/L	12.5	U	250	R	125
Bromoform	ug/L	12.5	U	250	R	125
1,1,2,2-Tetrachloroethane	ug/L	12.5	U	250	R	125
1,3-Dichlorobenzene	ug/L	19.6	=	20.4	R	14.5
1,4-Dichlorobenzene	ug/L	5.6	J	250	R	53.3
1,2-Dichlorobenzene	ug/L	16.7	=	29.2	R	126
1,2,4-Trichlorobenzene	ug/L	12.5	U	250	R	125
1,2,3-Trichlorobenzene	ug/l	12.5	U	250	R	125

	StationID	GW015	HGELGW015		H009GW021	
	SampleID	015M7	GELGW015M7		009GW021M8	
	DateCollected	/2002	09/05/2002		09/09/2002	
	DateExtracted	/2002	09/12/2002		09/15/2002	
	DateAnalyzed	/2002	09/12/2002		09/15/2002	
	SDGNumber	577	66577		CNC144	
Parameter	**Units**					
Tetrachloroethylene (PCE)	ug/l	U	250	U	50	U
Dibromochloromethane	ug/l	U	250	U	50	U
Chlorobenzene	ug/L	=	397	=	290	=
Ethylbenzene	ug/L	U	250	U	50	U
m+p Xylene	ug/l	U	250	U	50	U
o-Xylene	ug/l	U	250	U	50	U
Xylenes, Total	ug/L	U	250	U	50	U
Styrene	ug/L	U	250	U	50	U
Bromoform	ug/L	U	250	U	50	U
1,1,2,2-Tetrachloroethane	ug/L	U	250	U	50	U
1,3-Dichlorobenzene	ug/L	J	48	J	62	=
1,4-Dichlorobenzene	ug/L	J	75	J	100	=
1,2-Dichlorobenzene	ug/L	=	4600	=	880	=
1,2,4-Trichlorobenzene	ug/L	U	250	U	50	UJ
1,2,3-Trichlorobenzene	ug/l	U	250	U	50	UJ

	StationID	H009GW021	
	SampleID	009HW021M7	
	DateCollected	09/09/2002	
	DateExtracted	09/15/2002	
	DateAnalyzed	09/15/2002	
	SDGNumber	CNC144	
Parameter	**Units**		
Tetrachloroethylene (PCE)	ug/l	50	U
Dibromochloromethane	ug/l	50	U
Chlorobenzene	ug/L	300	=
Ethylbenzene	ug/L	50	U
m+p Xylene	ug/l	50	U
o-Xylene	ug/l	50	U
Xylenes, Total	ug/L	50	U
Styrene	ug/L	50	U
Bromoform	ug/L	50	U
1,1,2,2-Tetrachloroethane	ug/L	50	U
1,3-Dichlorobenzene	ug/L	66	=
1,4-Dichlorobenzene	ug/L	110	=
1,2-Dichlorobenzene	ug/L	940	=
1,2,4-Trichlorobenzene	ug/L	50	UJ
1,2,3-Trichlorobenzene	ug/l	50	UJ

	StationID	H009GW021		H009GW021		H009GW021	
	SampleID	009GW021M6		009GW021M6DL		009HW021M6	
	DateCollected	06/19/2002		06/19/2002		06/19/2002	
	DateExtracted	06/25/2002		06/25/2002		06/25/2002	
	DateAnalyzed	06/30/2002		07/02/2002		06/30/2002	
	SDGNumber	CNC118		CNC118		CNC118	
Parameter	**Units**						
N-Nitrosodiphenylamine	ug/l	400	U	800	R	10	U
Phenol	ug/l	400	U	800	R	10	U
bis(2-Chloroethyl) ether (2-Chloroethyl Ether)	ug/l	400	U	800	R	10	U
2-Chlorophenol	ug/l	32	J	800	R	2.2	J
1,3-Dichlorobenzene	ug/l	400	U	530	R	10	U
1,4-Dichlorobenzene	ug/l	1000	=	1000	R	44	=
Benzyl alcohol	ug/l	400	U	800	R	10	U
1,2-Dichlorobenzene	ug/l	9300	R	9500	=	410	R
Bis(2-Chloroisopropyl)Ether	ug/l	400	U	800	R	10	U
2-Methylphenol (o-Cresol)	ug/l	400	U	800	R	10	U
N-Nitrosodi-n-propylamine	ug/l	400	U	800	R	10	U
3-Methylphenol/4-Methylphenol (mp-Cresol)	ug/l	400	U	800	R	10	U
Hexachloroethane	ug/l	400	U	800	R	10	U
Nitrobenzene	ug/l	400	U	800	R	10	U
Isophorone	ug/l	400	U	800	R	10	U
2-Nitrophenol	ug/l	400	U	800	R	10	U
2,4-Dimethylphenol	ug/l	400	U	800	R	10	U
bis(2-Chloroethoxy) Methane	ug/l	400	U	800	R	10	U
2,4-Dichlorophenol	ug/l	400	U	800	R	2.6	J
Benzoic acid	ug/l	2000	U	4000	R	50	U
1,2,4-Trichlorobenzene	ug/l	33	J	800	R	1.6	J
Naphthalene	ug/l	29	J	800	R	3.3	J
4-Chloroaniline	ug/l	400	U	800	R	10	U
Hexachlorobutadiene	ug/l	400	U	800	R	10	U
4-Chloro-3-methylphenol	ug/l	400	U	800	R	10	U
2-Methylnaphthalene	ug/l	400	U	800	R	10	U
Hexachlorocyclopentadiene	ug/l	400	U	800	R	10	U
2,4,6-Trichlorophenol	ug/l	400	U	800	R	10	U
2,4,5-Trichlorophenol	ug/l	2000	U	4000	R	50	U
2-Chloronaphthalene	ug/l	400	U	800	R	10	U

	StationID	H009GW021		H009GW021		H009GW021	
	SampleID	009HW021M6DL		009GW021M8		009HW021M7	
	DateCollected	06/19/2002		09/09/2002		09/09/2002	
	DateExtracted	06/25/2002		09/12/2002		09/12/2002	
	DateAnalyzed	06/30/2002		09/22/2002		09/22/2002	
	SDGNumber	CNC118		CNC144		CNC144	
Parameter	**Units**						
N-Nitrosodiphenylamine	ug/l	50	R	10	U	10	U
Phenol	ug/l	50	R	10	R	10	R
bis(2-Chloroethyl) ether (2-Chloroethyl Ether)	ug/l	50	R	10	U	10	U
2-Chlorophenol	ug/l	50	R	10	U	10	U
1,3-Dichlorobenzene	ug/l	50	R				
1,4-Dichlorobenzene	ug/l	54	R				
Benzyl alcohol	ug/l	50	R	10	U	10	U
1,2-Dichlorobenzene	ug/l	480	=				
Bis(2-Chloroisopropyl)Ether	ug/l	50	R	10	U	10	U
2-Methylphenol (o-Cresol)	ug/l	50	R	10	U	10	U
N-Nitrosodi-n-propylamine	ug/l	50	R	10	U	10	U
3-Methylphenol/4-Methylphenol (mp-Cresol)	ug/l	50	R	10	U	10	U
Hexachloroethane	ug/l	50	R	10	U	10	U
Nitrobenzene	ug/l	50	R	10	U	10	U
Isophorone	ug/l	50	R	10	U	10	U
2-Nitrophenol	ug/l	50	R	10	U	10	U
2,4-Dimethylphenol	ug/l	50	R	10	U	10	U
bis(2-Chloroethoxy) Methane	ug/l	50	R	10	U	10	U
2,4-Dichlorophenol	ug/l	5.3	R	1.9	J	3.6	J
Benzoic acid	ug/l	250	R	50	U	50	U
1,2,4-Trichlorobenzene	ug/l	50	R				
Naphthalene	ug/l	3.6	R	10	U	10	U
4-Chloroaniline	ug/l	50	R	10	U	10	U
Hexachlorobutadiene	ug/l	50	R	10	U	10	U
4-Chloro-3-methylphenol	ug/l	50	R	10	U	10	U
2-Methylnaphthalene	ug/l	50	R	10	U	10	U
Hexachlorocyclopentadiene	ug/l	50	R	10	U	10	U
2,4,6-Trichlorophenol	ug/l	50	R	10	U	10	U
2,4,5-Trichlorophenol	ug/l	250	R	50	U	50	U
2-Chloronaphthalene	ug/l	50	R	10	U	10	U

	StationID	H009GW021		H009GW021		H009GW021	
	SampleID	009GW021M6		009GW021M6DL		009HW021M6	
	DateCollected	06/19/2002		06/19/2002		06/19/2002	
	DateExtracted	06/25/2002		06/25/2002		06/25/2002	
	DateAnalyzed	06/30/2002		07/02/2002		06/30/2002	
	SDGNumber	CNC118		CNC118		CNC118	
Parameter	**Units**						
2-Nitroaniline	ug/l	2000	U	4000	R	50	U
3-Nitroaniline	ug/l	2000	U	4000	R	50	U
Dimethyl Phthalate	ug/l	400	U	800	R	10	U
2,6-Dinitrotoluene	ug/l	400	U	800	R	10	U
Acenaphthylene	ug/l	400	U	800	R	10	U
Acenaphthene	ug/l	400	U	800	R	10	U
2,4-Dinitrophenol	ug/l	2000	U	4000	R	50	U
Dibenzofuran	ug/l	400	U	800	R	10	U
2,4-Dinitrotoluene	ug/l	400	U	800	R	10	U
Diethyl Phthalate	ug/l	400	U	800	R	10	U
4-Nitrophenol	ug/l	2000	U	4000	R	50	U
Fluorene	ug/l	400	U	800	R	10	U
4-Chlorophenyl Phenyl Ether	ug/l	400	U	800	R	10	U
4,6-Dinitro-2-methylphenol	ug/l	2000	U	4000	R	50	U
4-Nitroaniline	ug/l	2000	U	4000	R	50	U
4-Bromophenyl Phenyl Ether	ug/l	400	U	800	R	10	U
Hexachlorobenzene	ug/l	400	U	800	R	10	U
Pentachlorophenol	ug/l	2000	U	4000	R	50	U
Phenanthrene	ug/l	400	U	800	R	10	U
Anthracene	ug/l	400	U	800	R	10	U
Di-n-butyl Phthalate	ug/l	400	U	800	R	10	U
Fluoranthene	ug/l	400	U	800	R	10	U
Pyrene	ug/l	400	U	800	R	10	U
Benzyl Butyl Phthalate	ug/l	400	U	800	R	10	U
Benzo(a)Anthracene	ug/l	400	U	800	R	10	U
3,3'-Dichlorobenzidine	ug/l	800	U	1600	R	20	U
Chrysene	ug/l	400	U	800	R	10	U
bis(2-Ethylhexyl) Phthalate	ug/l	400	U	800	R	10	U
Di-n-octylphthalate	ug/l	400	U	800	R	10	U
Benzo(b)Fluoranthene	ug/l	400	U	800	R	10	U

	StationID	H009GW021		H009GW021		H009GW021	
	SampleID	009HW021M6DL		009GW021M8		009HW021M7	
	DateCollected	06/19/2002		09/09/2002		09/09/2002	
	DateExtracted	06/25/2002		09/12/2002		09/12/2002	
	DateAnalyzed	06/30/2002		09/22/2002		09/22/2002	
	SDGNumber	CNC118		CNC144		CNC144	
Parameter	**Units**						
2-Nitroaniline	ug/l	250	R	50	U	50	U
3-Nitroaniline	ug/l	250	R	50	U	50	U
Dimethyl Phthalate	ug/l	50	R	10	U	10	U
2,6-Dinitrotoluene	ug/l	50	R	10	U	10	U
Acenaphthylene	ug/l	50	R	10	U	10	U
Acenaphthene	ug/l	50	R	10	U	10	U
2,4-Dinitrophenol	ug/l	250	R	50	U	50	U
Dibenzofuran	ug/l	50	R	10	U	10	U
2,4-Dinitrotoluene	ug/l	50	R	10	U	10	U
Diethyl Phthalate	ug/l	50	R	10	U	10	U
4-Nitrophenol	ug/l	250	R	50	U	50	U
Fluorene	ug/l	50	R	10	U	10	U
4-Chlorophenyl Phenyl Ether	ug/l	50	R	10	U	10	U
4,6-Dinitro-2-methylphenol	ug/l	250	R	50	U	50	U
4-Nitroaniline	ug/l	250	R	50	U	50	U
4-Bromophenyl Phenyl Ether	ug/l	50	R	10	U	10	U
Hexachlorobenzene	ug/l	50	R	10	U	10	U
Pentachlorophenol	ug/l	250	R	50	U	50	U
Phenanthrene	ug/l	50	R	10	U	10	U
Anthracene	ug/l	50	R	10	U	10	U
Di-n-butyl Phthalate	ug/l	50	R	0.5	J	0.58	J
Fluoranthene	ug/l	50	R	10	U	10	U
Pyrene	ug/l	50	R	10	U	10	U
Benzyl Butyl Phthalate	ug/l	50	R	10	U	10	U
Benzo(a)Anthracene	ug/l	50	R	10	U	10	U
3,3'-Dichlorobenzidine	ug/l	100	R	20	U	20	U
Chrysene	ug/l	50	R	10	U	10	U
bis(2-Ethylhexyl) Phthalate	ug/l	50	R	10	U	10	U
Di-n-octylphthalate	ug/l	50	R	10	U	10	U
Benzo(b)Fluoranthene	ug/l	50	R	10	U	10	U

	StationID	H009GW021		H009GW021		H009GW021	
	SampleID	009GW021M6		009GW021M6DL		009HW021M6	
	DateCollected	06/19/2002		06/19/2002		06/19/2002	
	DateExtracted	06/25/2002		06/25/2002		06/25/2002	
	DateAnalyzed	06/30/2002		07/02/2002		06/30/2002	
	SDGNumber	CNC118		CNC118		CNC118	
Parameter	**Units**						
Benzo(k)Fluoranthene	ug/l	400	UJ	800	R	10	UJ
Benzo(a)Pyrene	ug/l	400	U	800	R	10	U
Indeno(1,2,3-c,d)pyrene	ug/l	400	UJ	800	R	10	UJ
Dibenz(a,h)anthracene	ug/l	400	U	800	R	10	U
Benzo(g,h,i)Perylene	ug/l	400	U	800	R	10	U
Carbazole	ug/l	400	U	800	R	10	U

	StationID	H009GW021		H009GW021		H009GW021	
	SampleID	009HW021M6DL		009GW021M8		009HW021M7	
	DateCollected	06/19/2002		09/09/2002		09/09/2002	
	DateExtracted	06/25/2002		09/12/2002		09/12/2002	
	DateAnalyzed	06/30/2002		09/22/2002		09/22/2002	
	SDGNumber	CNC118		CNC144		CNC144	
Parameter	**Units**						
Benzo(k)Fluoranthene	ug/l	50	R	10	U	10	U
Benzo(a)Pyrene	ug/l	50	R	10	U	10	U
Indeno(1,2,3-c,d)pyrene	ug/l	50	R	10	UJ	10	UJ
Dibenz(a,h)anthracene	ug/l	50	R	10	U	10	U
Benzo(g,h,i)Perylene	ug/l	50	R	10	U	10	U
Carbazole	ug/l	50	R	10	U	10	U

	StationID	H009GW021		H009GW021		H009GW021		H009GW021	
	SampleID	009GW021M6		009GW021M6		009HW021M6		009HW021M6	
	DateCollected	06/19/2002		06/19/2002		06/19/2002		06/19/2002	
	DateExtracted	06/25/2002		06/25/2002		06/25/2002		06/25/2002	
	DateAnalyzed	06/27/2002		07/02/2002		06/27/2002		07/02/2002	
	SDGNumber	CNC118		CNC118		CNC118		CNC118	
Parameter	**Units**								
Arsenic	mg/l	0.036	J			0.028	J		
Barium	mg/l	0.21	=			0.18	J		
Cadmium	mg/l	0.0067	=			0.006	=		
Chromium, Total	mg/l	0.0015	U			0.0014	U		
Lead	mg/l	0.0025	U			0.0019	U		
Selenium	mg/l	0.0021	UJ			0.0021	UJ		
Silver	mg/l	0.00095	U			0.00095	U		
Mercury	mg/l			0.000072	U			0.000072	U

	StationID	H009GW021		H009GW021		H009GW021		H009GW021	
	SampleID	009GW021M8		009GW021M8		009HW021M7		009HW021M7	
	DateCollected	09/09/2002		09/09/2002		09/09/2002		09/09/2002	
	DateExtracted	09/13/2002		09/18/2002		09/13/2002		09/18/2002	
	DateAnalyzed	09/13/2002		09/19/2002		09/13/2002		09/19/2002	
	SDGNumber	CNC144		CNC144		CNC144		CNC144	
Parameter	**Units**								
Arsenic	mg/l			0.0042	J			0.005	J
Barium	mg/l			0.1	J			0.11	J
Cadmium	mg/l			0.0045	J			0.0047	J
Chromium, Total	mg/l			0.004	J			0.0042	J
Lead	mg/l			0.0044	U			0.0051	U
Selenium	mg/l			0.0023	U			0.0021	U
Silver	mg/l			0.00095	U			0.00095	U
Mercury	mg/l	0.000072	U			0.000072	U		

	StationID	H009GW021		H009GW021	
	SampleID	009GW021M6		009HW021M6	
	DateCollected	06/19/2002		06/19/2002	
	DateExtracted	06/21/2002		06/21/2002	
	DateAnalyzed	06/21/2002		06/21/2002	
	SDGNumber	CNC118		CNC118	
Parameter	**Units**				
Hydrazine	mg/l	0.005	U	0.005	U

Appendix B

FIGURE 6-5A
1,2-Dichlorobenzene Concentrations (Pre-Treatment)
SWMU 196, Charleston Naval Complex

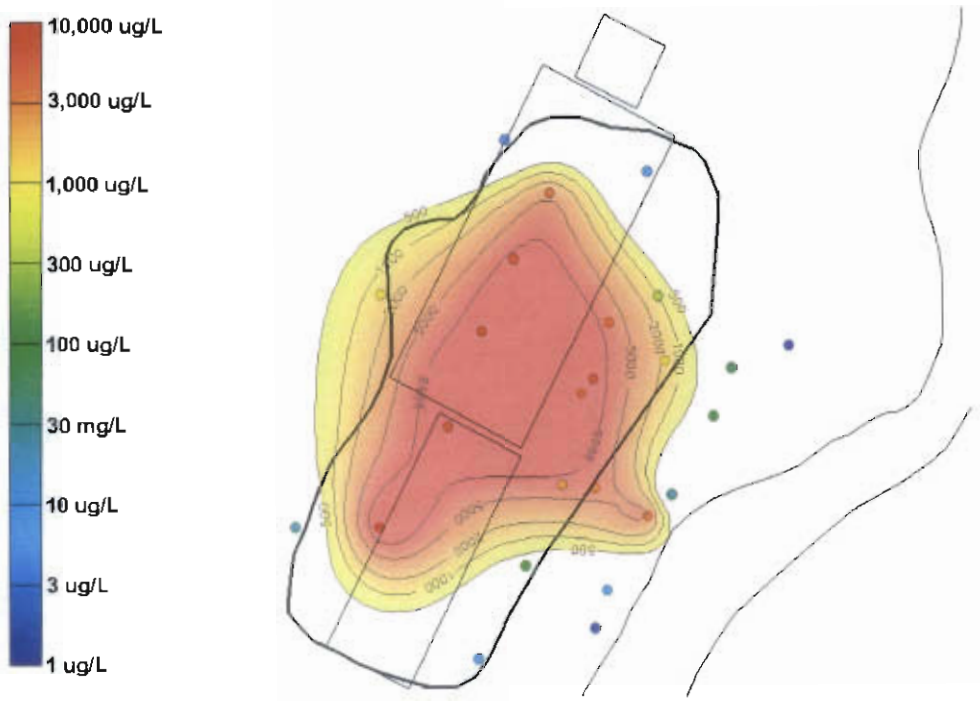


FIGURE 6-5B
1,2-Dichlorobenzene Concentrations (Post-Treatment)
SWMU 196, Charleston Naval Complex

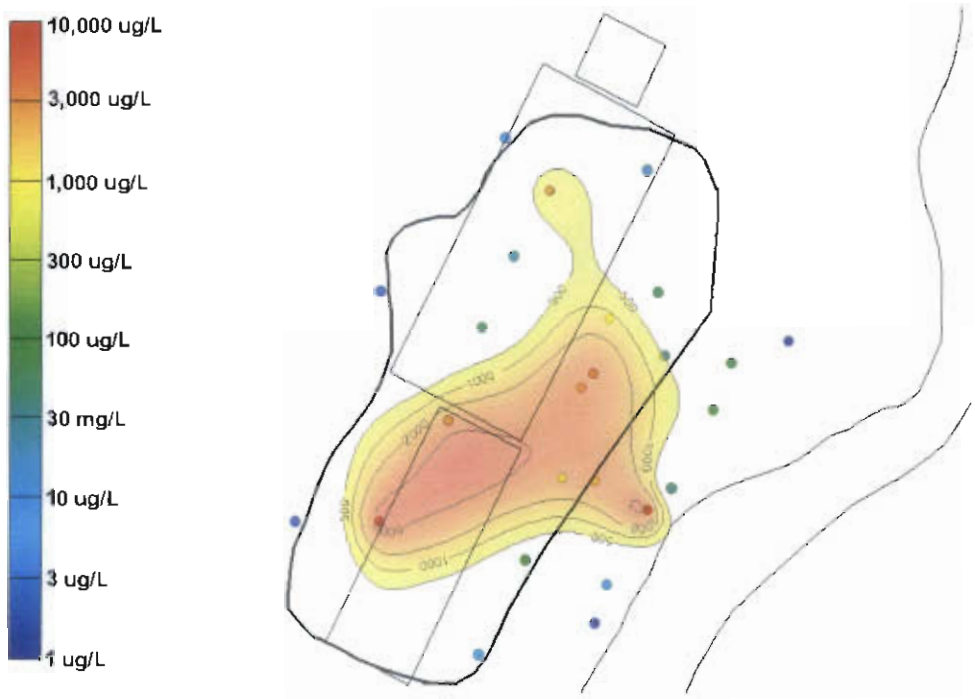


FIGURE 6-6A
Chlorobenzene Concentrations (Pre-Treatment)
SWMU 196, Charleston Naval Complex

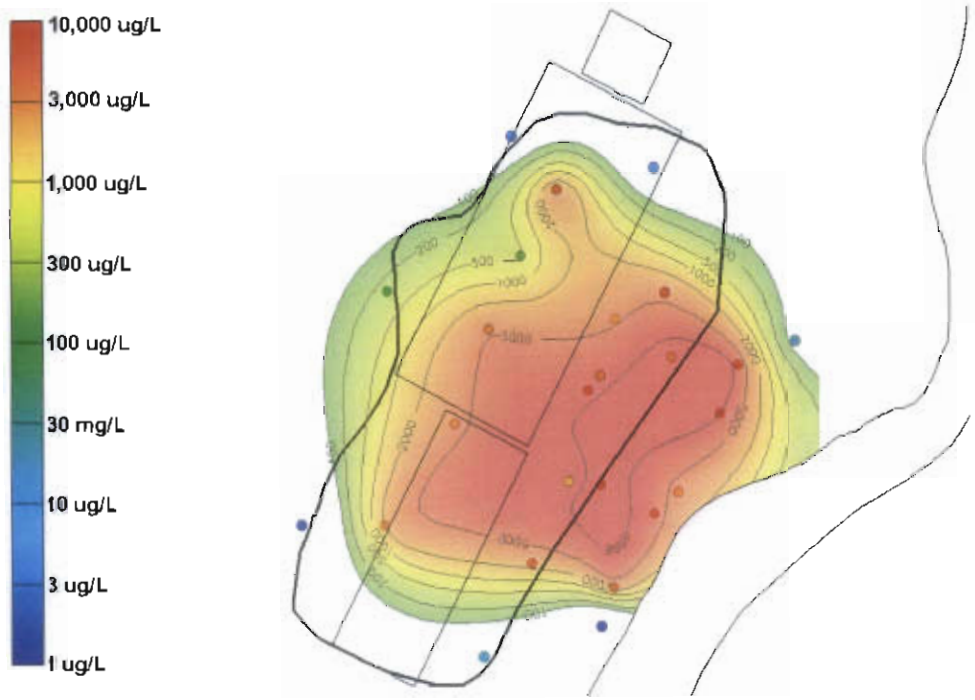


FIGURE 6-6B
Chlorobenzene Concentrations (Post-Treatment)
SWMU 196, Charleston Naval Complex

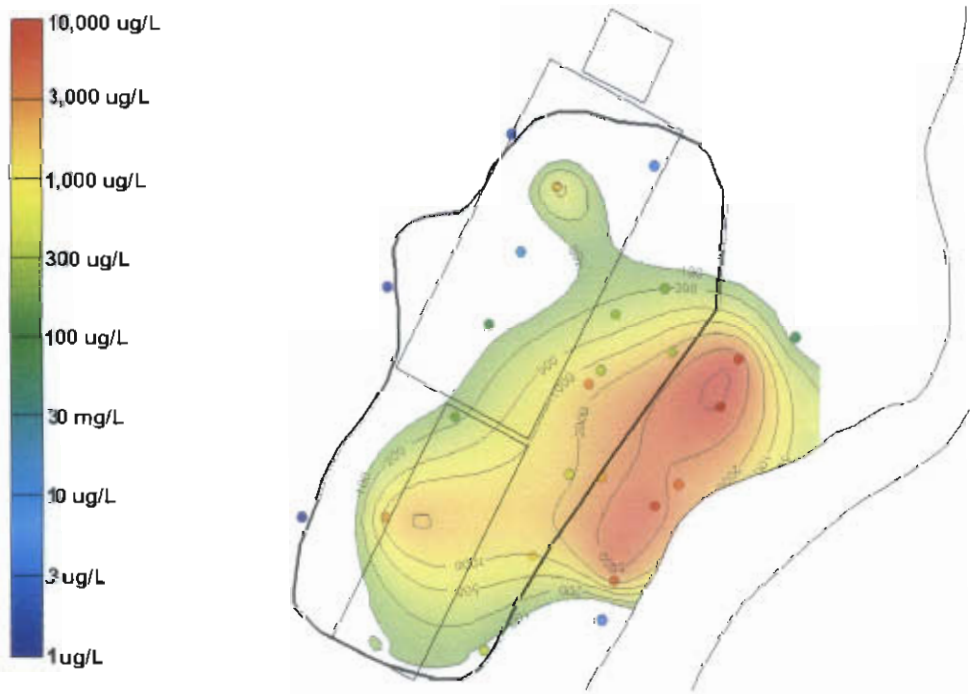


FIGURE 6-7A
1,4-Dichlorobenzene Concentrations (Pre-Treatment)
SWMU 196, Charleston Naval Complex

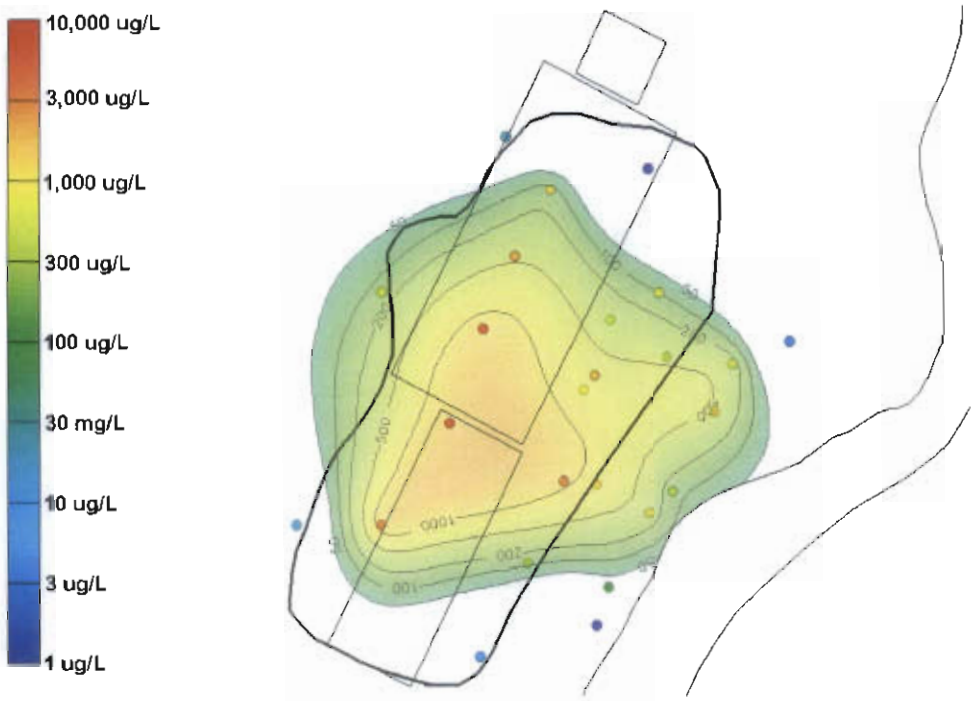


FIGURE 6-7B
1,4-Dichlorobenzene Concentrations (Post-Treatment)
SWMU 196, Charleston Naval Complex

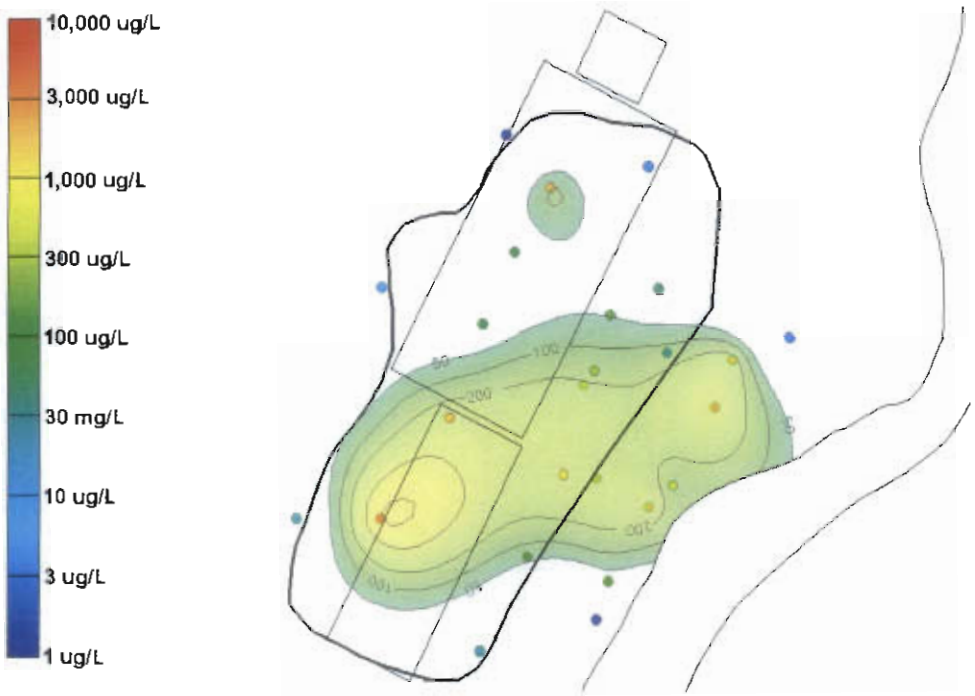


FIGURE 6-8A
1,3-Dichlorobenzene Concentrations (Pre-Treatment)
SWMU 196, Charleston Naval Complex

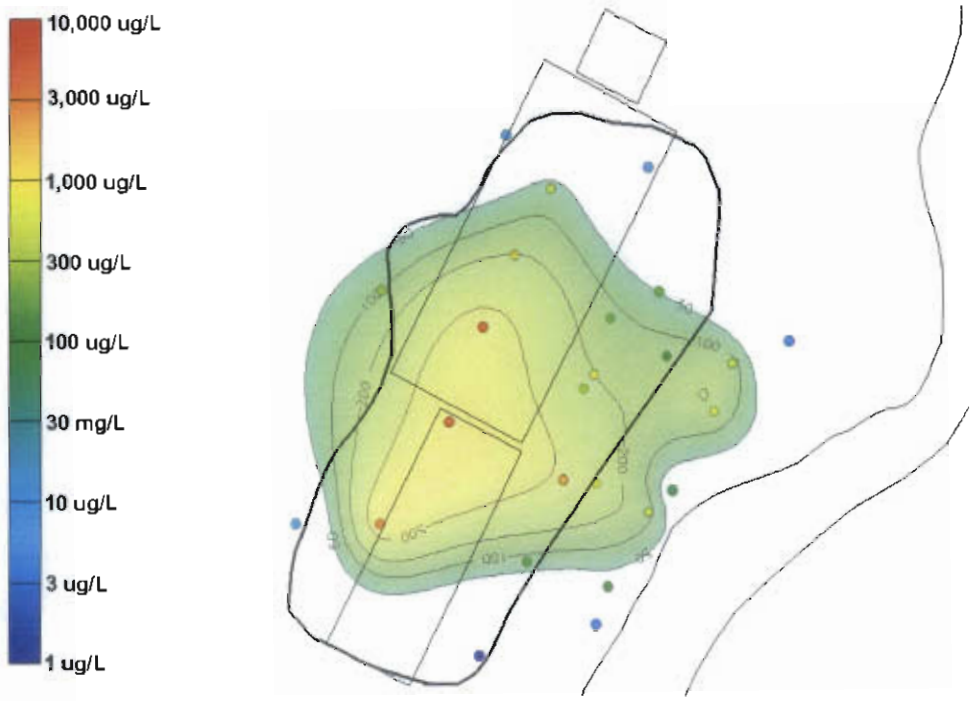


FIGURE 6-8B
1,3-Dichlorobenzene Concentrations (Post-Treatment)
SWMU 196, Charleston Naval Complex

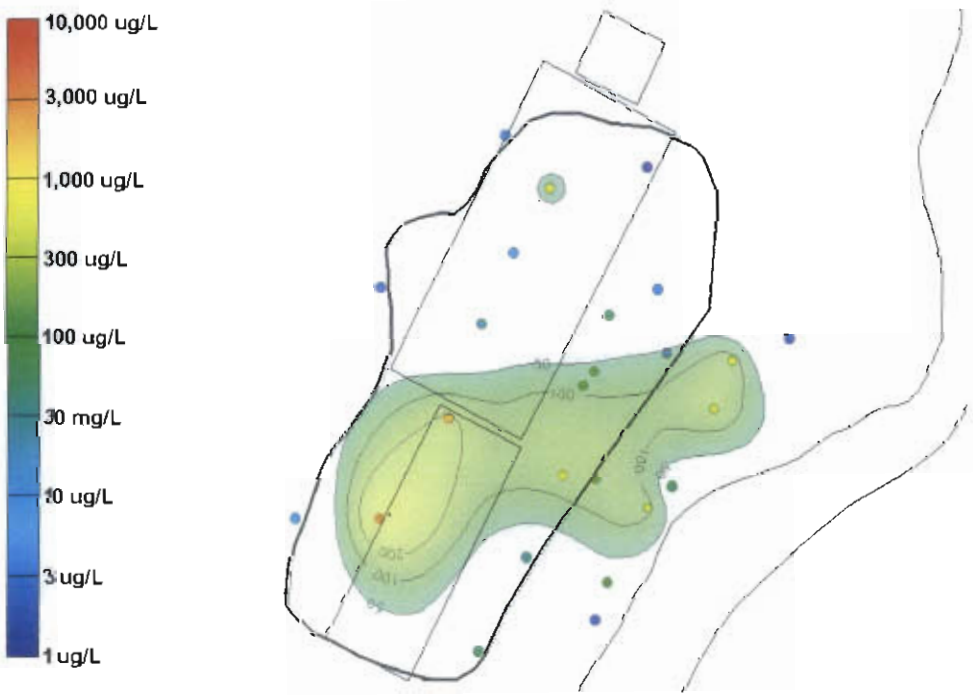


FIGURE 6-9A
Total Chlorobenzenes Concentrations (Pre-Treatment)
SWMU 196, Charleston Naval Complex

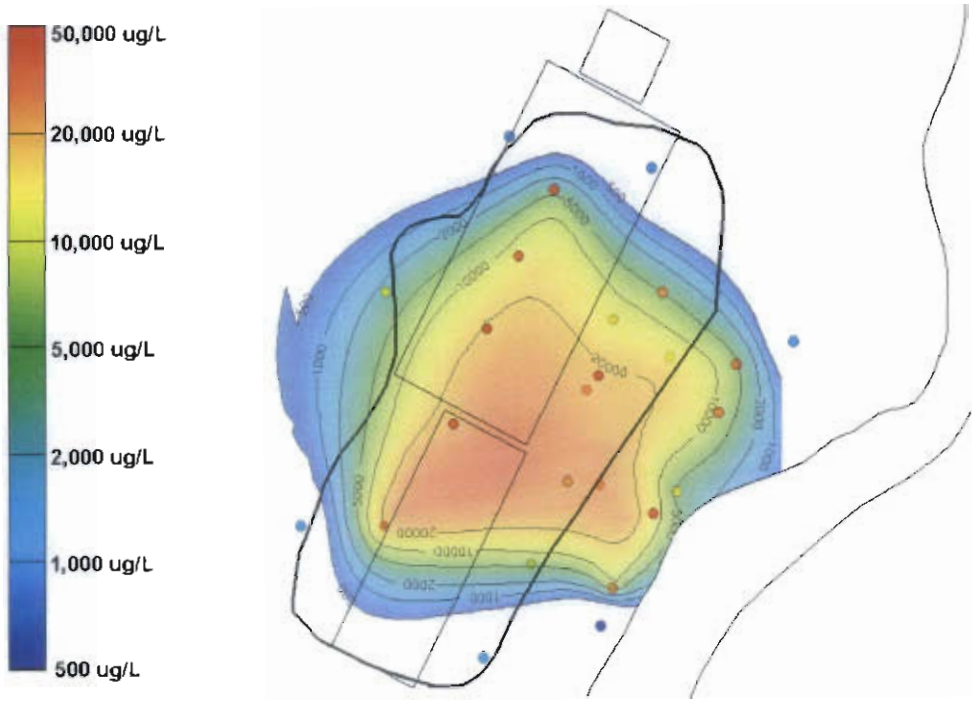
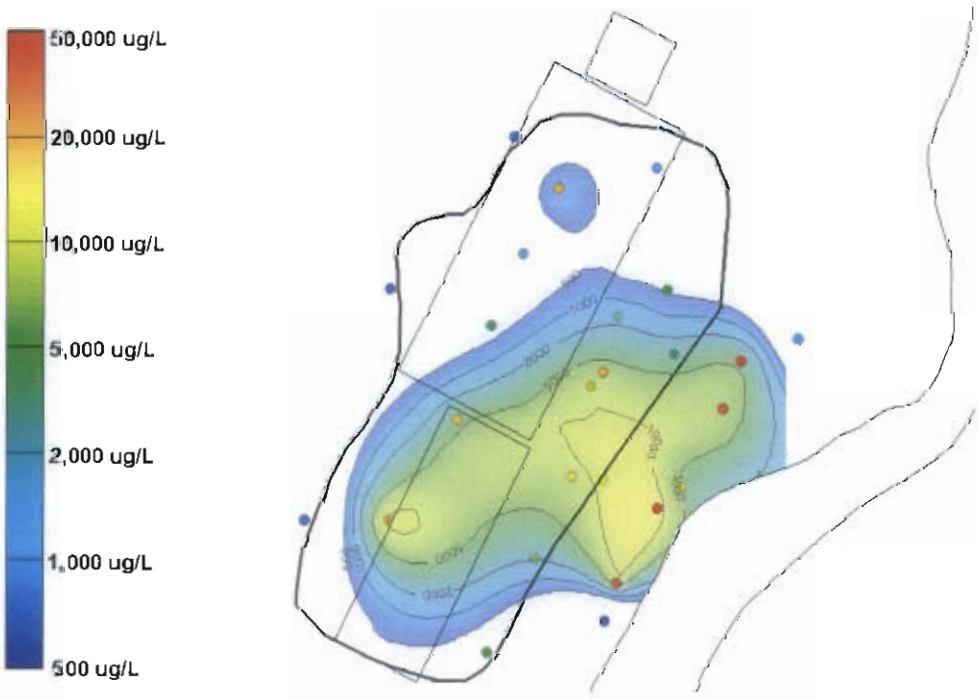


FIGURE 6-9B
Total Chlorobenzenes Concentrations (Post-Treatment)
SWMU 196, Charleston Naval Complex



Appendix C

APPENDIX C

Calculation of Dilution of Groundwater In Shipyard Creek

As groundwater from the SWMU 196 area slowly seeps into Shipyard Creek, it immediately undergoes significant dilution with surface water in the creek. The initial dilution occurs near the creek bottom, where surface water mixes with the emerging groundwater due to advective and dispersive forces. This initial mixing is often conceptualized as a mixing zone. The degree of dilution within a mixing zone of this type is significant, on the order of many thousand-fold.

Additional further mixing and dilution occurs as the mixed surface water/groundwater within the mixing zone is diluted by the larger flow of surface water within the creek, which is driven by tidal forces. This additional mixing provides another many thousand-fold dilution such that groundwater seeping into the creek is very quickly indistinguishable from the bulk surface water and concentrations of chemicals in the groundwater are quickly diluted.

In order to assess potentially applicable target media cleanup standards for the portion of the VOC plume in groundwater beneath the tidally influenced boundaries of Shipyard Creek, an initial dilution attenuation factor (DAF) for SWMU 196 was calculated between the shallow groundwater and surface water interface of Shipyard Creek within an initial mixing zone. The mixing zone would include a volume of surface water contiguous to the groundwater discharge where initial dilution of the discharge takes place. The DAF was calculated as a ratio of groundwater discharge into the mixing zone to the surface water discharge or flux through the mixing zone. Dilution is assumed to be instantaneous.

The groundwater flux into the mixing zone was calculated using site specific porosity and the darcy velocity based on parameters listed in Zone H RFI report. A unit area of 1 ft^2 was assumed. The surface water flux into the mixing zone is assumed to be equal to the velocity at the bottom of the creek times the depth of the mixing zone (0.1 ft). A small thickness was selected to be conservative. Surface water flux parameters for Shipyard Creek are based on data from the Zone J RFI Storm Water Effluent Evaluation Report. All input parameters are summarized in Table C-1.

The estimated dilution is 0.009 percent. Thus, the groundwater seeping into the bottom of Shipyard Creek would be expected to be immediately diluted to 0.009 percent of its original concentration. Expressed another way, each gallon of groundwater seeping into the creek would be expected to be immediately diluted with approximately 11,000 gallons of surface water. Additional dilution with the bulk surface water in the creek would then occur very quickly.

TABLE C-1
Summary of Dilution Attenuation Factor Input Parameters
Corrective Measures Study Report, SWMU 196, Zone H, Charleston Naval Complex

Parameter	Value	Unit	Assumption
Groundwater [a]			
Groundwater Flow Velocity	0.005	ft/day	K = 1 ft/day; hydraulic gradient = 0.005 ft/ft
Porosity	0.37	-	
Darcy Velocity	0.014	ft/day	
Unit Area Groundwater Discharge	1.56E-07	ft^3/s	
Surface Water [b]			
Average Velocity	0.05	ft/s	Shipyard Creek entrance channel
Velocity at Bottom of Creek	0.017	ft/s	Assume 1/3 of Average Velocity
Thickness of mixing zone	0.1	ft	Conservative Estimate
Width of Mixing Zone	1	ft	Estimate
Length of Mixing zone	1	ft	Estimate
Discharge into Mixing Zone	1.67E-03	ft^3/s	Bottom Velocity *Depth
Instantaneous Dilution	**0.009**	**Percent**	**Flow (groundwater) / Flow(river) in mixing zone**

[a] Zone H RFI Report, Revision 0, EnSafe, 1996

[b] Zone J RFI Storm Water Effluent Evaluation Report, Revision 0, September 2002

Appendix D

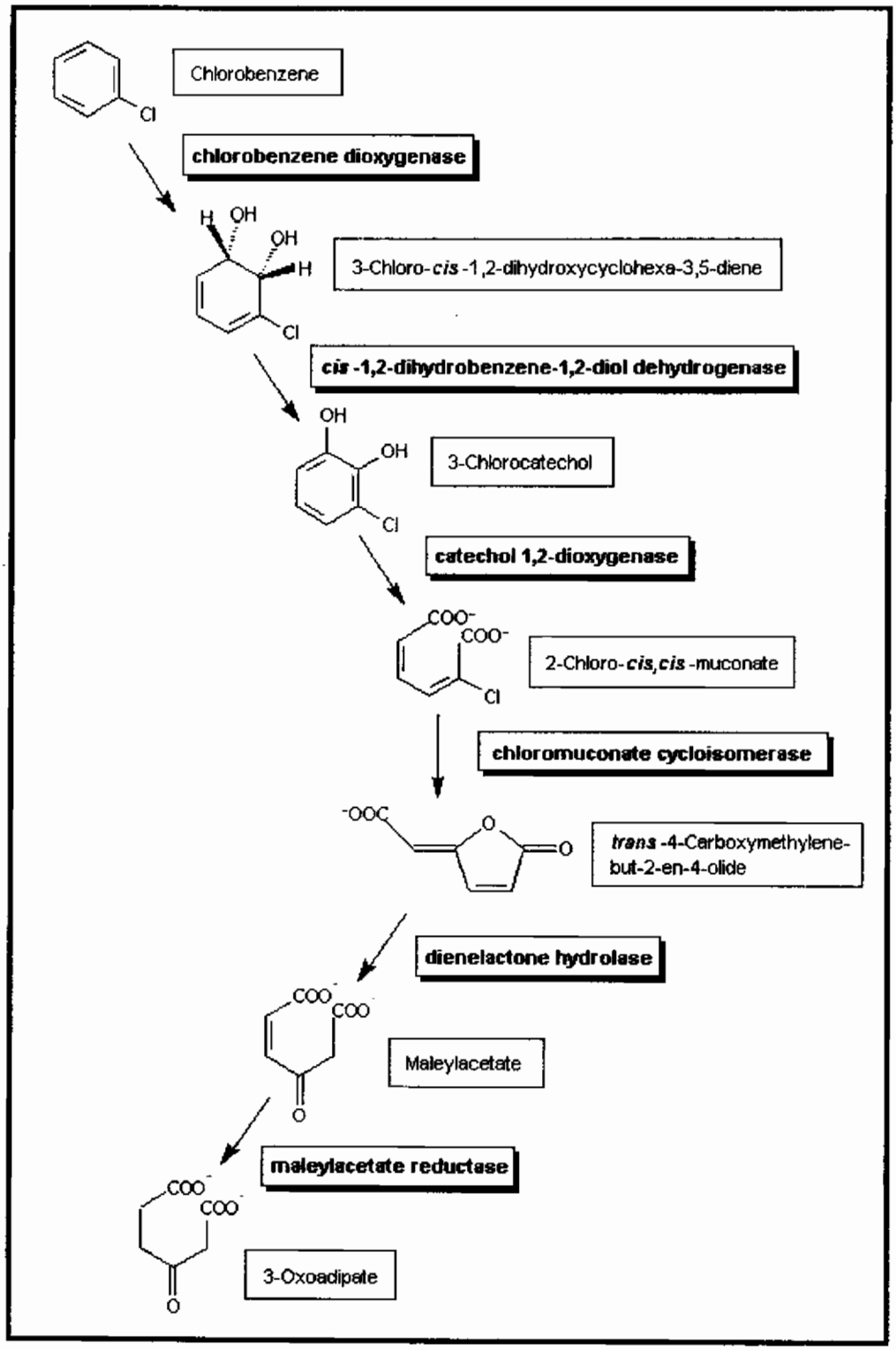


FIGURE D-1
Aerobic Biodegradation Pathway of Chlorobenzene
Source: The University of Minnesota Biocatalysis/Biodegradation Database. http://umbbd.ahc.umn.edu (March 11. 2003).

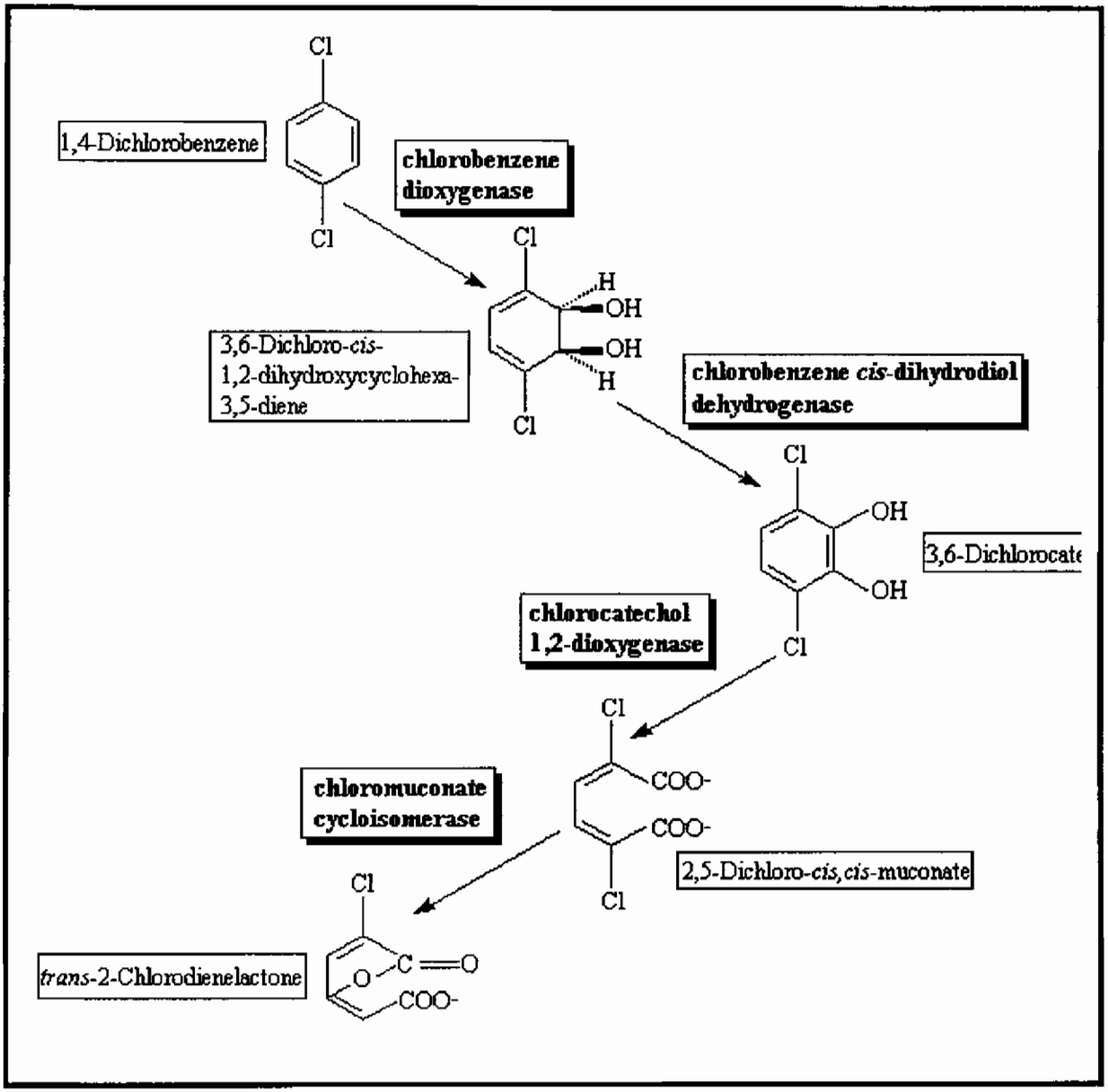


FIGURE D-2
Aerobic Biodegradation Pathway of 1,4-Dichlorobenzene
Source: The University of Minnesota Biocatalysis/Biodegradation Database. http://umbbd.ahc.umn.edu (March 11. 2003).

Appendix E

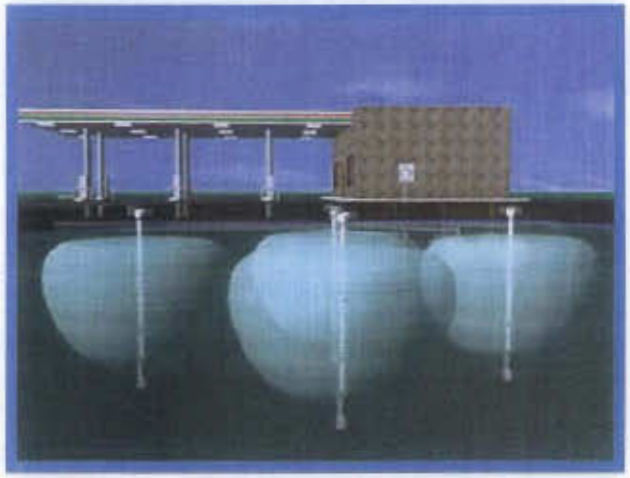
ISO-GEN™

Environmental H2O
ISO-GEN™
Case Studies
Scoping/Ordering
Contacts
FAQ's
Home
Seminars
Technology Alliance Partnership

Extraordinary Oxygen Delivery

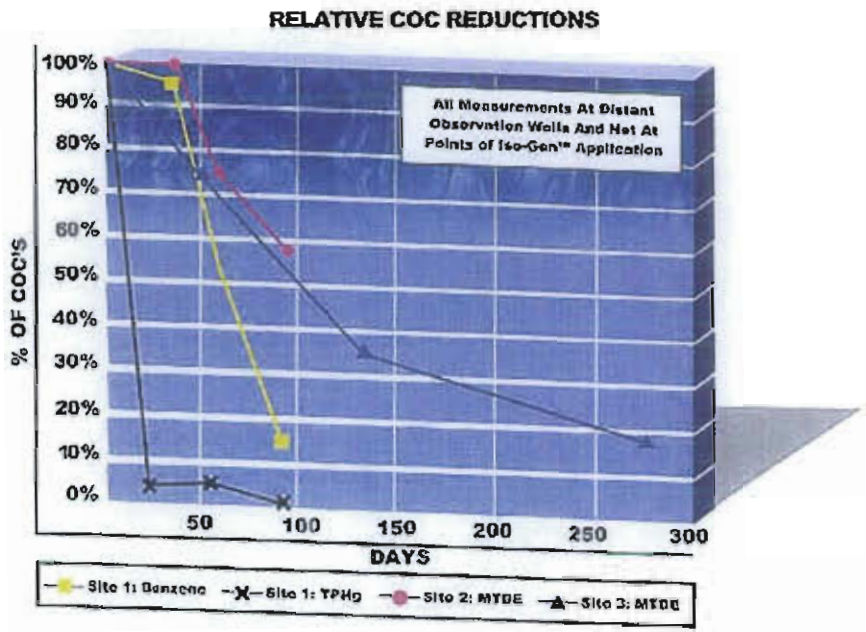
The Iso-Gen™ Technology produces stable DO in-situ. It does this by a patented process of electrolysis in a groundwater well that recirculates DO enriched water into the aquifer. It moves water only in recirculation; no water is withdrawn from the aquifer and no handling of water or permitting is required.

ISO-GEN™ Cost Savings - Iso-Gen™ Technology substantially reduces the time and expense associated with remediating groundwater. Low operating costs and shortened operating time produce significant cost savings. The Iso-Gen™ Power Controller converts the AC input to DC output power, regulates the drive levels of the Cells, DC Circulation Pumps and controls all functions of the system. The timing allows a large range of treatment times at amperages of up to 5 amps. Up to 4 downhole units can operate from a single Iso-Gen™ Power Controller.



WITHIN THE RADIUS OF INFLUENCE, THE FOLLOWING OBSERVATIONS ARE TYPICAL:

- Changes in the oxidation-reduction potential (to positive)
- Increases in DO (net of microbial DO consumption)
- Large reductions in chemical concentration.



ACCELERATED CONTAMINANT REDUCTIONS

The DO generated by Iso-Gen™ Technology represents a powerful nutrient for microbes that degrade the petroleum hydrocarbons, BTEX, MTBE, and other gasoline additives. Reductions in contaminants of concern (COCs) are extraordinary. At the longest active study site, a bulk storage terminal, MTBE has been reduced by 85% over a 8-foot radius from the Iso-Gen™ wells within 270 days.

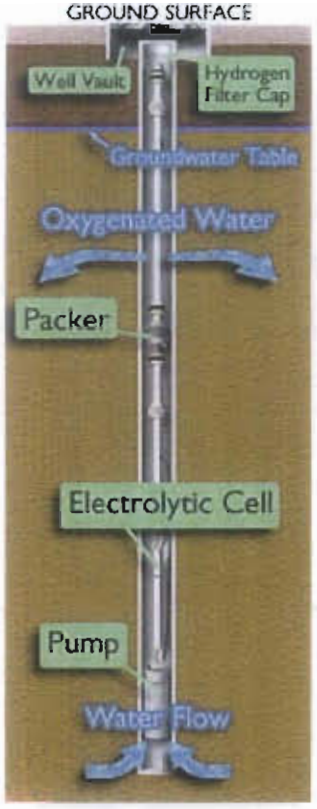
ISO-GEN™ COST SAVINGS

Iso-Gen™ Technology substantially reduces the time and expense associated with remediating groundwater. Operating costs and shortened operating time produce significant cost savings.

The Iso-Gen™ Power Controller converts the AC input to DC output power, regulates

the drive levels of the Cells, DC Circulation Pumps and controls all functions of the system. The timing allows a large range of treatment times at amperages of up to 5 amps. Up to 4 double units can be operated from a single Iso-Gen™ Power Controller.

The Iso-Gen™ Process consists of a systemized approach. Each solution will include a Master Controller, which provides power and communication with up to four downhole units installed in existing or specially placed well borings.



Controller Specifications

- 110-240 (20-10 amp) VAC input, 47-63 Hz
- Amp and volt display of active Cell
- Internal On/Off switch
- Treats up to 4 wells
- 0-48 VDC output to Cell(s)
- Continuous DC Circulation Pump monitoring
- 12-48 VDC output to DC Circulation Pump, selectable
- Secure NEMA Type IV enclosure

The control unit can manage up to four ISO-Gen well units simultaneously.

Appendix F

COMPARISON OF TOTAL COST OF REMEDIAL SOLUTIONS

Site: Charleston Naval Complex
Location: AOC 613
Phase: Corrective Measures Study
Base Year: 2003
Date: 01/10/03

	Alternative Number 1 **Monitoring/ Natural Attenuation**	Alternative Number 2 **ISCO via Fenton's Reagent**	Alternative Number 3 **In-Situ Bio Sparging**
Total Assumed Project Duration (Years)	20	5	10
Capital Cost/O&M Cost	$13,300	$488,000	$242,000
Annual Monitoring Cost	$6,800	$530,349	$6,800
Total Present Worth of Solution	$113,000	$530,000	$299,000

Disclaimer: The information in this cost estimate is based on the best available information regarding the anticipated scope of the remedial alternatives. Changes in the cost elements are likely to occur as a result of new information and data collected during the engineering design of the remedial alternative. This is an order-of-magnitude cost estimate that is expected to be within -30 to +50 percent of the actual project costs.

Alternative 1: Monitoring/Natural Attenuation

COST ESTIMATE SUMMARY

Site: Charleston Naval Complex
Location: SWMU 196
Phase: Corrective Measures Study
Base Year: 2002
Date: 04/02/03

Description:
Monitoring/natural attenuation of the surficial aquifer.

CAPITAL COSTS

DESCRIPTION	QTY	UNIT	UNIT COST	TOTAL
Monitoring/Natural Attenuation Work Plan				
Groundwater Contingency Plan				
Labor - Project Manager	12	HR	$125	$1,500
Labor - Engineer/Hydrogeologist	40	HR	$90	$3,600
Labor - Editor	16	HR	$65	$1,040
Labor - CAD Technician	16	HR	$65	$1,040
Initial Groundwater Sample Collection	1	EA	$3,359	$3,359
SUBTOTAL				**$10,539**
Project Management	5%	of	$10,539	$527
Technical Support	5%	of	$10,539	$527
SUBTOTAL				**$11,593**
Contingency	15%	of	$11,593	$1,739
TOTAL CAPITAL COST				**$13,300**

OPERATIONS AND MAINTENANCE COST

	DESCRIPTION	QTY	UNIT	UNIT COST	TOTAL
yrs 1 - 20	Annual Groundwater Sample Collection	1	EA	$3,400	**$3,400**
	Annual Report				
	Labor - Project Manager	6	HR	$125	$750
	Labor - Engineer/Hydrogeologist	16	HR	$90	$1,440
	Labor - Editor	6	HR	$65	$390
	Labor - CAD Technician	12	HR	$65	$780
	SUBTOTAL				**$3,360**
yrs 1 - 20	**TOTAL ANNUAL O&M COST**				**$6,800**

PRESENT VALUE ANALYSIS

Discount Rate = 3.2%

End Year	COST TYPE	TOTAL COST	COST PER YEAR	TOTAL PRESENT WORTH
1	FIRST YEAR CAPITAL COST	$13,300	$13,300	$13,300
1 - 20	ANNUAL O&M COST (Year 1 - 20)	$136,000	$6,800	$99,321
				$112,621
	TOTAL PRESENT WORTH OF ALTERNATIVE			**$113,000**

SOURCE INFORMATION

1. United States Environmental Protection Agency. July 2000. A Guide to Preparing and Documenting Cost Estimates During the Feasibility Study. EPA 540-R-00-002. (USEPA, 2000).

Alternative 2: **Enhanced In Situ Biodegradation** **COST ESTIMATE SUMMARY**

Site: Charleston Naval Complex
Location: SWMU 196
Phase: Corrective Measures Study
Base Year: 2003
Date: 04/02/03

Description: Use Iso-Gen system to increase Do in groundwater

CAPITAL COSTS AND FIRST YEAR SAMPLING

DESCRIPTION	QTY	UNIT	UNIT COST	TOTAL	
Subcontractor - Geocleanse-Injections	6	EA	$72,000	$432,000	
Field oversight	380	HR	$55	$20,900	64 hours per event
Sample Analysis (VOCs - EPA 8260 - Level II)	120	SAMPLE	$110	$13,200	18 wells with 2QA, 6 events
Sampling Supplies	6	EA	$200	$1,200	
Groundwater Sampling Equipment Rental	6	WK	$600	$3,600	Includes MultiRAE and Peristaltic Pump
Sample Shipment	6	EA	$200	$1,200	CH2M-Jones Estimate
Labor - Technicians	120	HR	$55	$6,600	3 hrs/well, 2 people, includes data validation
SUBTOTAL				**$478,700**	
Summary Report					
Labor - Project Manager	20	HR	$125	$2,500	
Labor - Engineer/Hydrogeologist	60	HR	$90	$5,400	
Labor - Editor	8	HR	$65	$520	
Labor - CAD Technician	12	HR	$65	$780	
SUBTOTAL				**$9,200**	
TOTAL CAPITAL COST				**$488,000**	

OPERATIONS AND MAINTENANCE COST - Monitoring

	DESCRIPTION	QTY	UNIT	UNIT COST	TOTAL
YRS 1-5	Annual Groundwater Sample Collection	1	EA	$5,900	**$5,900**
	Annual Report				
	Labor - Project Manager	6	HR	$125	$750
	Labor - Engineer/Hydrogeologist	16	HR	$90	$1,440
	Labor - Editor	6	HR	$65	$390
	Labor - CAD Technician	12	HR	$65	$780
	SUBTOTAL - Annual Report				**$3,360**
yrs 1 - 5	**TOTAL ANNUAL O&M COST**				**$9,300**

PRESENT VALUE ANALYSIS

Discount Rate = 3.2%

End Year	COST TYPE	TOTAL COST	TOTAL COST PER YEAR	TOTAL PRESENT VALUE
FIRST YEAR	FIRST YEAR CAPITAL COST	$488,000	$488,000	$488,000
YRS 1-5	ANNUAL O&M COST (Year 1 - 5)	$46,500	$9,300	$42,349
	TOTAL PRESENT WORTH OF ALTERNATIVE			**$530,000**

SOURCE INFORMATION

1. United States Environmental Protection Agency. July 2000. A Guide to Preparing and Documenting Cost Estimates During the Feasibility Study. EPA 540-R-00-002. (USEPA, 2000).

Alternative 2: **Enhanced In Situ Biodegradation** **COST ESTIMATE SUMMARY**

Site: Charleston Naval Complex
Location: SWMU 196
Phase: Corrective Measures Study
Base Year: 2003
Date: 04/02/03

Description: Use Iso-Gen system to increase Do in groundwater

CAPITAL COSTS AND ISOGEN SYSTEM OPERATION

DESCRIPTION	QTY	UNIT	UNIT COST	TOTAL
Install/operate Isogen System for 10 years	1	EA	$222,200	$222,200
SUBTOTAL				**$222,200**
Baseline Groundwater Sample Collection	1	EA	$3,400	$3,400
Groundwater Sample during pilot test	2	EA	$3,400	$6,800
SUBTOTAL				**$10,200**
Summary Report				
Labor - Project Manager	20	HR	$125	$2,500
Labor - Engineer/Hydrogeologist	60	HR	$90	$5,400
Labor - Editor	8	HR	$65	$520
Labor - CAD Technician	12	HR	$65	$780
SUBTOTAL				**$9,200**
TOTAL CAPITAL COST				**$242,000**

OPERATIONS AND MAINTENANCE COST - Monitoring

	DESCRIPTION	QTY	UNIT	UNIT COST	TOTAL
yrs 1 - 2	annual Groundwater Sample Collection	1	EA	$3,400	**$3,400**
	Annual Report				
	Labor - Project Manager	6	HR	$125	$750
	Labor - Engineer/Hydrogeologist	16	HR	$90	$1,440
	Labor - Editor	6	HR	$65	$390
	Labor - CAD Technician	12	HR	$65	$780
	SUBTOTAL - Annual Report				**$3,360**
yrs 1 - 10	**TOTAL ANNUAL O&M COST**				**$6,800**

PRESENT VALUE ANALYSIS

Discount Rate = 3.2%

End Year	COST TYPE	TOTAL COST	TOTAL COST PER YEAR	TOTAL PRESENT VALUE
1	FIRST YEAR CAPITAL COST	$242,000	$242,000	$242,000
1 - 10	ANNUAL O&M COST (Year 1 - 10)	$13,600	$6,800	$57,418
	TOTAL PRESENT WORTH OF ALTERNATIVE			**$299,000**

SOURCE INFORMATION

1. United States Environmental Protection Agency. July 2000. A Guide to Preparing and Documenting Cost Estimates During the Feasibility Study. EPA 540-R-00-002. (USEPA, 2000).

COST ESTIMATE SUMMARY - INSTALL ISOGEN SYSTEM/ 10 YEARS O&M

Site:	SWMU 196	**Prepared By:**	PJF
Location:	Charleston Naval Complex	**Date:**	
Phase:	CMS		
Base Year:	2003		
Date:	02-Apr-03		

CAPITAL COST

DESCRIPTION	QTY	UNIT		COST	TOTAL	NOTES
SUBCONTRACTOR SERVICES						
New Well Installation	4	wells		$1,500	$6,000	
Iso-Gen Units; 2 controller, 8 units	2	unit		$8,000	$16,000	
Two Man Construction Crew	6	days		$750	$4,500	
Sawcut, Trenching, Backfill, Disposal	25	LF		$45	$1,125	
Piping and Misc Materials	1	LS		$1,500	$1,500	
Site Restoration	1	LS		$1,000	$1,000	
Mobilization/Demobilzation	1	LS		$1,000	$1,000	
System Start-Up	1	LS		$1,500	$1,500	
Electrical (Power Drop and Installation)	1	LS		$1,500	$1,500	
SUBTOTAL					$34,125	
PROFESSIONAL SERVICES DURING CONSTRUCTION						
Project Management	40	hr	$	128	$5,114	
Work Plan, UIC Permit, Reporting (Engr)	60	hr	$	95	$5,721	
Installation Oversight (Tech)	40	hr	$	59	$2,353	
Start-Up (Tech)	40	hr	$	59	$2,353	
Per-Diem/Misc	5	LS	$	750	$3,750	
SUBTOTAL					$19,290	
TOTAL CAPITAL COST					**$53,415**	

OPERATIONS COST (10 YEARS)

CONSUMEABLES						
Electrical Usage (estimated)	35000	kW-hr		$0.07	$2,450	Engineers estimate
SUBTOTAL					$2,450	
MISC SERVICES						
Misc Iso Gen Support	1	LS	$	5,000	$5,000	
Equipment Rental	10	yr		$500	$5,000	$500/yr
Operation and Maintenance	1200	hr		$60	$72,000	10 hours/mo
Contingency Mechnical Repairs	1	LS		$10,000	$10,000	Engineers estimate
SUBTOTAL					$92,000	
PROFESSIONAL SERVICES						
Project Management	240	hr	$	128	$30,682	2 hrs/mo
Operations - Engineering Support	240	hr	$	95	$22,884	2 hrs/mo
Per-Diem/Misc	1	ls	$	1,000	$1,000	Engineer's estimate
SUBTOTAL					$54,566	
TOTAL OPERATIONS COST					**$149,016**	
TOTAL COST W/ 10% CONTINGENCY					**$222,200**	

Notes:

1. Add sampling costs after first 3 months