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Letter of Transmittal

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From:	Sunila Gupta Joseph Savarese

To: New Jersey Department of Environmental Protection
BEECRA, P.O. Box 432
401 East State Street, Trenton, NJ 08625

Attention: Mr. Joseph Nowak

Copy to: A. William Nosil (w/o Lab QA/QC and diskette);
Edward Hogan, Esq. (w/o Lab QA/QC and diskette)

Subject: Hexcel Facility, Lodi, NJ

Copies	Date	Description
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23 October 1998
File No. 74167-001

New Jersey Department of Environmental Protection
Bureau of Environmental Evaluation and Cleanup Responsibility Assessment
P.O. Box 432
401 East State Street
Trenton, NJ 08625

Attention: Joseph J. Nowak

Subject: Quarterly Progress Report
Hexcel Corporation
Lodi Borough, Bergen County, New Jersey
ISRA Case No. 86009

Dear Mr. Nowak:

On behalf of Hexcel Corporation (Hexcel), the following is the progress report of activities carried out during July, August, and September 1998. This quarterly report is prepared in accordance with the Industrial Site Recovery Act (ISRA) requirements for the Hexcel facility in Lodi, New Jersey. Also included in this report are responses to the New Jersey Department of Environmental Protection (NJDEP) letter of 9 October 1998. Appendix A provides an item-by-item listing of Hexcel's responses, cross-referenced to the text of this progress report. A copy of the NJDEP letter is also included in Appendix A.

The following topics are discussed in this progress report:

1) Groundwater Elevation/DNAPL/LNAPL Monitoring
   a) Quarterly Monitoring
   b) Monthly Monitoring

2) Monitor Well Sampling

3) Product Recovery Program
   a) DNAPL Recovery
   b) LNAPL Recovery

4) Remedial Design Planning

5) Off-Site Investigation

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6) Groundwater Treatment System

7) Waste Disposal Documentation

8) Schedule and Cost Estimates

1. GROUNDWATER ELEVATION/DNAPL/LNAPL MONITORING

This section includes the results of quarterly monitoring performed in July 1998 and monthly monitoring performed in August and September 1998. Quarterly and monthly monitoring is performed in accordance with the NJDEP-approved plan presented in our progress report dated 24 October 1994.

1a. Quarterly Monitoring

Hexcel conducted quarterly groundwater elevation, DNAPL and LNAPL monitoring on 16 July 1998, in accordance with the monitoring plan. Results of the quarterly monitoring are tabulated in Table I. Figures 1 and 2 illustrate shallow and deep groundwater elevation contours, respectively. Contour Map Reporting Forms are included for each of the contour maps. Table II contains a summary of well construction data to accompany the Contour Map Reporting Form for Figure 1. Tables I and II, Figures 1 and 2 and the contour map reporting forms are included as Appendix B.

1b. Monthly Monitoring

In addition to the quarterly monitoring conducted in July, Hexcel conducted monthly DNAPL and LNAPL monitoring on 19 August and 17 September 1998 in accordance with the monitoring plan and modifications approved by the NJDEP in its 12 June 1995 letter. Results for the May and June monthly monitoring are provided in Table III and Table IV respectively, located in Appendix C.

Hexcel will continue to perform monthly monitoring in accordance with the approved plan. Hexcel will report any modification to the monthly monitoring, by the addition and deletion of wells, in the progress reports.

2. MONITOR WELL SAMPLING

A groundwater sampling round was completed in July 1998, as proposed in our July 1998 progress report to the NJDEP, to collect current information on volatile organic and Polychlorinated Biphenyl (PCB) contamination levels in the groundwater and to address NJDEP's request for a groundwater sampling round. This information is essential for the remedial strategy currently being developed for the site and has been incorporated in the evaluation of the remedial design.

All the proposed wells were tested, with the exception of MW-25 (Hexcel well) and MW-E8 (Napp well) which are on Napp technologies, Inc. property. Hexcel was not granted access by Napp to access these monitoring wells for sampling. Groundwater samples from a total of 27 wells (18 shallow wells and 9 deep wells) were tested for volatile organics and PCB parameters. The results are discussed below.

Volatile Organic Results: Most of the shallow wells indicate improvement in conditions compared to the historically detected concentrations. The improved concentrations appear to be attributable to the natural degradation processes; this is indicated by a significant decrease in Tetrachloroethene (PCE) and Trichloroethene (TCE) concentrations and increase in cis-1,2-Dichloroethene (degradation product of PCE and TCE) concentrations. The volatile organic results for the shallow wells are presented in Tables V (Appendix D). The 1998 results are tabulated along with the historical data for each of the well to allow comparison of results.

Dissolved concentrations of volatile organic compounds detected in the lower formation are similar to the concentrations detected historically. Concentrations in the lower formation are typically two to three orders of magnitude lower than those detected in the upper formation. Table VI (Appendix C) presents the volatile organic data for the deep wells.

PCB Results: PCBs were detected above the Ground Water Quality Standard (GWQS) of 0.5 ppb, in 6 out of the 18 shallow wells tested for PCBs. The concentrations were in the range of 1.4 ppb to 90 ppb. PCB results are presented in Table VII (Appendix D) for the shallow wells. None of the deep wells had PCBs detected. Table VIII (Appendix D) presents the results for the deep wells.

The laboratory QA/QC report is provided separately. The data is also submitted in the NJDEP-required electronic format in the enclosed diskette.

3. PRODUCT RECOVERY PROGRAM

This section includes results for the temporary product recovery program currently being implemented at the site. For the purposes of product collection, quantities less than 0.1 gallon (approximately 1 cup) are considered to be non-recoverable. Based on our experience, if the product interface meter does not signal the presence of product, then it is not possible to pump a significant amount of DNAPL from the well, even when DNAPL is observed on the probe. Therefore, DNAPL recovery is usually attempted only when there is a signal from the product interface meter indicating the presence of product.

The NJDEP, in its 9 October 1998 letter, has raised a concern regarding the appropriateness of using a product-interface probe to monitor for recoverable amounts of DNAPL. Specifically, the NJDEP has questioned the failing of the interface probe to indicate DNAPL

when DNAPL is reported to be observed on the probe. We would like to clarify that in the above-mentioned situation, the observation of DNAPL on the probe is limited to the tip of the probe. It does not indicate that the probe is malfunctioning; rather it just shows that the thickness of DNAPL is film-like thin and is insufficient to trigger the probe sensor.

Based on our four years of experience of product-recovery at the site, the interface probe has been a reliable indicator of recoverable amount of product. Previous attempts to recover product from wells that show DNAPL on the probe tip without triggering the sensor have yielded insignificant additional volume and have been extremely time consuming with little benefit to site cleanup. Hexcel will continue to monitor for recoverable amounts of product (LNAPL and DNAPL) using the interface probe, as approved in the NJDEP's 27 May 1998 letter.

3a. DNAPL Recovery

During the third quarter of 1998, DNAPL recovery was performed at monitoring well MW-6. Approximately 0.2 gallons of DNAPL was recovered from MW-6 during the third quarter of 1998. None of the other wells indicated presence of recoverable amounts of DNAPL. DNAPL recovery during this quarter is summarized in Table IX, located in Appendix E.

3b. LNAPL Recovery

LNAPL recovery was performed at CW-7 subsequent to detection of recoverable amounts of LNAPL at the time of the July quarterly monitoring. A total of 0.8 gallons was recovered during the third quarter of 1998. LNAPL recovery is summarized in Table X (Appendix E).

4. REMEDIAL DESIGN PLANNING

Hexcel is currently developing a remediation plan for the site. Hexcel has performed a preliminary remedial alternatives analyses, and several tasks have either been completed or are in progress to enable selection of an appropriate remedial strategy for the site. We reported in the July 1998 progress report that Hexcel's goal was to present the remediation plan to the NJDEP in a meeting in October 1998. Some of the tasks were affected due to the delay in vacating of the property by the tenant. We now anticipate completion of the remedial design planning, including additional testing and pilot programs for design purposes, in early November. Haley and Aldrich will present the remedial proposal and cost estimates to Hexcel by mid-November. Hexcel will need time to review the proposals and prepare for the meeting with the NJDEP. Accordingly, we expect the meeting to take place on or around 15 December 1998. We will contact you towards the end of November to discuss the convenient dates for the meeting.

5. OFF-SITE INVESTIGATION

Hexcel conducted a stream bed investigation in the Saddle River across from MW-8. None of the other wells along Saddle River have had DNAPL detected. The investigation consisted of completing 9 borings to a depth of approximately 6.5 to 7 feet below the stream bed. The boring locations are indicated on Figure 3 in Appendix F.

The stream borings were advanced using a JMC Environmental Subsoil Probe which utilizes a 1.5-inch outer diameter stainless-steel sampling tube driven by a manually operated hammer. In order to penetrate the upper stream bed material (cobbles and gravel), the sampling tube was driven with a solid tip to a depth of approximately 2.5 feet. The sampling tube was then driven four feet with an open tip to collect the underlying soil. The amount and description of the recovered soil was noted and screened with a PID.

The silt layer was encountered in all borings except two; borings ST-5 and ST-6, which were not driven deep enough to encounter the silt layer. However, boring ST-4, located directly west of borings ST-5 and ST-6, encountered the silt layer. Soil samples were collected for analyses of VO+15 based upon PID readings taken in the field. Hexcel is awaiting the laboratory results and will provide the results and our conclusions in the next progress report

The NJDEP, in its 9 October 1998 letter, has instructed Hexcel to provide results of the groundwater sampling performed by U.S. Army Corps of Engineers (Army Corps) for its well MW08. These results were previously submitted to the NJDEP in Hexcel's progress report dated 27 October 1995. For your convenience, the data tables provided by the Army Corps are included as Appendix F.

6. GROUNDWATER TREATMENT SYSTEM

Groundwater, as basement seepage water, was treated on-site and discharged to the Passaic Valley Sewerage Commissioners (PVSC) sewer line until August 1998. The date of the last discharge to the PVSC sewer line was 28 August 1998. The recovery of the basement water has been discontinued at this time because the tenant has vacated the facility and the buildings are now unoccupied. The groundwater treatment system will be used in October and November 1998 to treat groundwater recovered during implementation of a dual-phase extraction pilot test planned for the site. The pilot test is being performed as one of the activities to evaluate the remedial scenarios for the site

7. WASTE DISPOSAL DOCUMENTATION

There were no disposal activities in the third quarter of 1998; therefore, there is no waste disposal documentation to be submitted with this progress report.

8. SCHEDULE AND COST ESTIMATES

Table XI, located in Appendix G, presents an updated estimate of the schedule of remaining remedial activities. There has been no change to date in the estimate of cleanup costs.

We request that Joseph Savarese of Haley & Aldrich be carbon-copied on the NJDEP's correspondence to Hexcel, in order to be informed of any NJDEP issues and responses in a timely manner. Additionally, we request that James Higdon of Fine Organics Corp. (FO) be removed from the carbon-copy list as FO has vacated the property and is no longer renting the property from Hexcel.

We will continue to submit quarterly progress reports according to the schedule. Please call us if you have any questions regarding the above.

Sincerely yours,
HALEY & ALDRICH, INC.

Sunila Gupta
Project Engineer

Joseph G. Savarese
Project Manager

Enclosures

c: A. William Nosil
Edward Hogan, Esq.

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HALEY & ALDRICH

Appendix A

Checklist of Responses to Items in NJDEP 9 October 1998 Letter

I. Soil Comments

1. Hexcel expects that the meeting with the NJDEP would take place in mid-December (See Section 4).

II. Groundwater Comments

1. Based on our four years of experience of product recovery at the site, the interface probe has been a reliable indicator of recoverable amount of product. Hexcel will continue to monitor for recoverable amounts of product (LNAPL and DNAPL) using the interface-probe, as approved in the NJDEP's 27 May 1998 letter (See Section 3).

2. No response needed.

3. Hexcel is currently evaluating its remedial strategy and will respond to this item shortly.

4. Hexcel has conducted a stream bed investigation in September 1998 and is awaiting testing results (See Section 5).

5. No response needed.

III. General Requirements

1. No response needed

2. The schedule estimate is provided as Table XI in Appendix G.

3. No response needed.

4. No response needed.

5. No response needed.

6. Hexcel is providing analytical data in an NJDEP-approved format in the enclosed diskette.

7. There have been no changes to the cost estimate.

Appendix B

Quarterly Monitoring

Table I: Quarterly Water Level/Product Thickness Measurements (7/16/98)

Table II: Well Construction Data

Contour Map Reporting Form for Figure 1

Figure 1: Shallow Ground Water Elevation Contours on 7/16/98

Contour Map Reporting Form for Figure 2

Figure 2: Deep Ground Water Elevation Contours on 7/16/98

TABLE I

QUARTERLY WATER LEVEL/PRODUCT THICKNESS MEASUREMENTS (7/16/98)

HEXCEL FACILITY

LODI, NEW JERSEY

-All measurements in feet -

-All elevations in feet (NGVD)-

Well ID	Type	Depth to Water (7/16/98)	Depth to Product		Product Thickness	Depth to Bottom (7/16/98)	Elevation Top of Casing	Water Elevation (7/16/98)	Well Construction		Comments
			DNAPL	LNAPL					Type	Casing	
RW Series:											
RW1-1	shallow	5.19	--	--	--	14.28	28.24	23.05	flush	s.steel	
RW6-1	shallow	3.17	--	--	--	13.75	28.84	25.67	flush	s.steel	Product on probe (DNAPL)**.
RW6-2	shallow	3.36	--	--	--	14.79	29.34	25.98	flush	s.steel	Floc on probe.
RW6-3	shallow	3.96	--	--	--	5.43	28.72	24.76	flush	s.steel	
RW7-1	shallow	5.86	--	--	--	16.56	26.25	20.39	flush	s.steel	
RW7-2	shallow	6.53	--	--	--	16.83	26.48	19.95	flush	s.steel	Sediment on probe.
RW7-3	shallow	6.71	--	--	--	17.28	26.78	20.07	flush	s.steel	Floc on probe.
RW7-4	shallow	7.07	--	--	--	19.10	27.11	20.04	flush	s.steel	Product on probe (DNAPL)**.
RW7-5	shallow	7.68	--	--	--	19.39	27.57	19.89	flush	s.steel	Product on probe (DNAPL)**.
RW7-6	shallow	7.20	--	--	--	14.99	26.48	19.28	flush	s.steel	
RW7-7	shallow	7.16	--	--	--	14.87	26.89	19.73	flush	s.steel	
RW7-8	shallow	5.58	--	--	--	14.95	25.90	20.32	flush	s.steel	
RW7-9	shallow	7.24	--	--	--	16.18	26.87	19.63	flush	s.steel	Floc on probe.
RW7-10	shallow	7.51	--	--	--	14.20	26.10	18.59	flush	s.steel	Sediment on probe.
RW15-1	shallow	7.08	--	--	--	14.91	29.95	22.87	flush	s.steel	
RW15-2	shallow						30.15		flush	s.steel	Well not included in quarterly monitoring plan.

TABLE I

QUARTERLY WATER LEVEL/PRODUCT THICKNESS MEASUREMENTS (7/16/98)

HEXCEL FACILITY

LODI, NEW JERSEY

-All measurements in feet -

-All elevations in feet (NGVD)-

Well ID	Type	Depth to Water (7/16/98)	Depth to Product		Product Thickness	Depth to Bottom (7/16/98)	Elevation Top of Casing	Water Elevation (7/16/98)	Well Construction		Comments
			DNAPL	LNAPL					Type	Casing	
P Series:											
P-1	shallow	6.86	--	--	--	9.38	30.09	23.23	flush	1.5" pvc	Sediment on probe.
P-2	shallow	WA	--	--	--	WA	30.19	WA	flush	1.5" pvc	Well was sealed on March 29, 1996.
PI Series:											
PI-1	deep						26.90		flush	8" s.steel	Well not included in quarterly monitoring plan.
CW Series:											
CW-1	shallow	7.29	--	--	--	11.46	29.77	22.48	flush	s.steel	
CW-2	shallow						29.51		flush	s.steel	Well not included in quarterly monitoring plan.
CW-3	shallow						29.72		flush	s.steel	Recovery well; not included in monitoring plan.
CW-4	shallow	6.23	--	--	--	10.98	28.83	22.60	flush	s.steel	
CW-5	shallow						28.67		flush	s.steel	Recovery well; not included in monitoring plan.
CW-6	shallow						28.93		flush	s.steel	Well not included in quarterly monitoring plan.
CW-7	shallow	7.56	--	7.54	0.15	14.01	26.13	18.57	flush	s.steel	Measured DTW was 7.69*; LNAPL on probe
CW-8	shallow	8.57	--	--	--	13.94	26.77	18.20	flush	s.steel	
CW-9	shallow						26.37		flush	s.steel	Recovery well; not included in monitoring plan.
CW-10	shallow	7.64	--	--	--	10.28	25.91	18.27	flush	s.steel	

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TABLE I

QUARTERLY WATER LEVEL/PRODUCT THICKNESS MEASUREMENTS (7/16/98)

HEXCEL FACILITY

LODI, NEW JERSEY

-All measurements in feet -

-All elevations in feet (NGVD)-

Well ID	Type	Depth to Water (7/16/98)	Depth to Product DNAPL	Depth to Product LNAPL	Product Thickness	Depth to Bottom (7/16/98)	Elevation Top of Casing	Water Elevation (7/16/98)	Well Construction Type	Well Construction Casing	Comments
CW Series (continued):											
CW-11	shallow						25.74		vaultbox	s.steel	Recovery well; not included in monitoring plan.
CW-12	shallow	7.44	--	--	--	13.98	25.71	18.27	flush	s.steel	Product on probe (DNAPL)**.
CW-13	shallow						26.05		flush	s.steel	Well not included in quarterly monitoring plan.
CW-14	shallow	8.02	--	--	--	13.89	26.37	18.35	flush	s.steel	
CW-15	shallow						26.31		flush	s.steel	Recovery well; not included in monitoring plan.
CW-16	shallow	7.89	--	--	--	13.93	26.45	18.56	flush	s.steel	Product on probe (DNAPL)**.
CW-17	shallow	7.28	--	--	--	13.96	26.25	18.97	flush	s.steel	Floc on probe.
CW-18	shallow						26.61		flush	s.steel	Recovery well; not included in monitoring plan.
CW-19	shallow						26.50		flush	s.steel	Well not included in quarterly monitoring plan.
CW-20	shallow						26.74		flush	s.steel	Well not included in quarterly monitoring plan.
CW-21	shallow						26.77		flush	s.steel	Recovery well; not included in monitoring plan.
CW-22	shallow						26.35		flush	s.steel	Well not included in quarterly monitoring plan.
MW Series:											
MW-1	deep	10.21	--	--	--	23.53	32.42	22.21	stickup	pvc	
MW-2	shallow	8.11	--	--	--	10.26	31.00	22.89	stickup	pvc	
MW-3	deep	10.56	--	--	--	30.78	31.13	20.57	stickup	pvc	
MW-4	shallow	8.02	--	--	--	9.89	32.33	24.31	stickup	pvc	
MW-5	deep	10.38	--	--	--	28.36	32.54	22.16	stickup	pvc	

TABLE I
QUARTERLY WATER LEVEL/PRODUCT THICKNESS MEASUREMENTS (7/16/98)
HEXCEL FACILITY
LODI, NEW JERSEY

-All measurements in feet -
-All elevations in feet (NGVD)-

Well ID	Type	Depth to Water (7/16/98)	Depth to Product		Product Thickness	Depth to Bottom (7/16/98)	Elevation Top of Casing	Water Elevation (7/16/98)	Well Construction		Comments
			DNAPL	LNAPL					Type	Casing	
MW Series (continued):											
MW-6	shallow	10.32		--	--	18.35	30.74	20.42	stickup	pvc	Product on probe (DNAPL)**.
MW-7	deep	9.87	--	--	--	32.86	30.68	20.81	stickup	pvc	
MW-8	shallow	12.07	--	--	--	17.36	30.26	18.19	stickup	pvc	Product on probe (DNAPL)**.
MW-9	deep	9.02	--	--	--	29.59	29.83	20.81	stickup	pvc	
MW-10	shallow	12.71	--	--	--	16.79	30.83	18.12	stickup	pvc	Organic material on probe (roots).
MW-11	deep	10.24	--	--	--	33.47	30.78	20.54	stickup	pvc	
MW-12	shallow	11.01	--	--	--	17.22	31.01	20.00	stickup	pvc	
MW-13	deep	9.94	--	--	--	33.22	31.16	21.22	stickup	pvc	Floc on probe.
MW-14	shallow	11.68	--	--	--	15.60	30.70	19.02	stickup	pvc	
MW-15	deep	9.09	--	--	--	25.63	30.77	21.68	stickup	pvc	
MW-16	shallow	7.06	--	--	--	12.58	29.69	22.63	stickup	pvc	
MW-17	shallow	9.37	--	--	--	14.10	31.44	22.07	stickup	pvc	
MW-18	shallow	9.10	--	--	--	11.36	32.23	23.13	stickup	pvc	
MW-19	deep	7.36	--	--	--	26.62	29.08	21.72	stickup	pvc	
MW-20	shallow	5.23	--	--	--	20.07	27.95	22.72	flush	pvc	
MW-21	shallow	8.79	--	--	--	15.12	30.67	21.88	stickup	pvc	
MW-22	shallow	5.85	--	--	--	8.26	28.45	22.60	flush	pvc	
MW-23	shallow	4.55	--	--	--	9.64	27.51	22.96	flush	pvc	Sediment on probe.
MW-24	shallow	3.91	--	--	--	9.68	26.51	22.60	flush	pvc	
MW-25	shallow	7.65	--	--	--	12.74	26.03	18.38	flush	pvc	

TABLE I

QUARTERLY WATER LEVEL/PRODUCT THICKNESS MEASUREMENTS (7/16/98)

HEXCEL FACILITY

LODI, NEW JERSEY

-All measurements in feet -

-All elevations in feet (NGVD)-

Well ID	Type	Depth to Water (7/16/98)	Depth to Product		Product Thickness	Depth to Bottom (7/16/98)	Elevation Top of Casing	Water Elevation (7/16/98)	Well Construction		Comments
			DNAPL	LNAPL					Type	Casing	
MW Series (continued):											
MW-26	(a)	7.27	--	--	--	17.92	28.85	21.58	flush	2" pvc	
MW-27	shallow	7.26	--	--	--	12.53	31.43	24.17	stickup	pvc	
MW-28	shallow	10.81	--	--	--	14.80	29.68	18.87	stickup	pvc	Organic material on probe.
MW-29	shallow	4.35	--	--	--	9.35	27.32	22.97	flush	pvc	Sediment on probe.
MW-30	shallow	5.12	--	--	--	10.48	28.08	22.96	flush	pvc	
MW-31	shallow	5.08	--	--	--	10.64	27.95	22.87	flush	pvc	
MW-32B	shallow	8.34	--	--	--	11.10	31.23	22.89	flush	pvc	
MW-33	shallow	9.96	--	--	--	16.97	31.72	21.76	stickup	pvc	
PB Series:											
PB-1	shallow	0.60	--	--	--	4.83	21.78	21.18	stickup	2" g.steel	
PB-2	shallow	0.73	--	--	--	5.82	21.25	20.52	stickup	2" g.steel	Product on probe (DNAPL)**; Sediment on probe.
PB-4	shallow	1.27	--	--	--	5.17	21.52	20.25	stickup	2" g.steel	

NOTES: All measurements of depths are from the top of casing unless otherwise noted. All wells are 4" diameter unless otherwise noted.

--: Not detected by product interface meter.

N/A : Measurements not available.

(a): Ground water elevation data from MW-26 have been excluded from both shallow and deep aquifer contours; refer to Section 1a of the April 1996 Report for details.

*: In wells with LNAPL, water levels are corrected using the equation: DTW (corrected) = DTW (measured) - (Product thickness * specific gravity). Specific gravity of 0.88 used for water level correction (petroleum lubricating oil).

**: Though the product interface meter did not register presence of product in the well, product was observed on the probe.

TABLE II
WELL CONSTRUCTION DATA
HEXCEL FACILITY
LODI, NEW JERSEY

Well ID	Type	Ground Elevation	Elevation Top of Casing	Length of Screen	Elevation Top of Screen	Depth to Water (7/16/98)	Water Elevation (7/16/98)	Well Construction Type	Well Construction Casing	Installation Date	Installation By	Water Table Elv. > Top of Screen Elv.
RW Series:												
RW1-1	shallow	28.67	28.24	10	23.67	5.19	23.05	flush	s.steel	10/91	Heritage	No
RW6-1	shallow	29.28	28.84	5	20.28	3.17	25.67	flush	s.steel	8/90	Heritage	Yes
RW6-2	shallow	U	29.34	5	U	3.36	25.98	flush	s.steel	8/90	Heritage	U
RW6-3	shallow	29.02	28.72	5	27.52	3.96	24.76	flush	s.steel	8/90	Heritage	No
RW7-1	shallow	26.94	26.25	5	13.94	5.86	20.39	flush	s.steel	8/90	Heritage	Yes
RW7-2	shallow	27.07	26.48	5	14.57	6.53	19.95	flush	s.steel	8/90	Heritage	Yes
RW7-3	shallow	27.17	26.78	5	14.67	6.71	20.07	flush	s.steel	8/90	Heritage	Yes
RW7-4	shallow	27.60	27.11	5	13.60	7.07	20.04	flush	s.steel	8/90	Heritage	Yes
RW7-5	shallow	27.97	27.57	5	12.97	7.68	19.89	flush	s.steel	9/90	Heritage	Yes
RW7-6	shallow	27.10	26.48	5	17.10	7.20	19.28	flush	s.steel	9/90	Heritage	Yes
RW7-7	shallow	27.25	26.89	5	17.25	7.16	19.73	flush	s.steel	9/90	Heritage	Yes
RW7-8	shallow	26.71	25.90	5	16.71	5.58	20.32	flush	s.steel	9/90	Heritage	Yes
RW7-9	shallow	27.18	26.87	5	15.18	7.24	19.63	flush	s.steel	2/91	Heritage	Yes
RW7-10	shallow	26.50	26.10	5	16.50	7.51	18.59	flush	s.steel	2/91	Heritage	Yes
RW15-1	shallow	30.43	29.95	10	25.68	7.08	22.87	flush	s.steel	8/90	Heritage	No
RW15-2	shallow	30.37	30.15	10	26.37			flush	s.steel	8/90	Heritage	NI

TABLE II
WELL CONSTRUCTION DATA
HEXCEL FACILITY
LODI, NEW JERSEY

Well ID	Type	Ground Elevation	Elevation Top of Casing	Length of Screen	Elevation Top of Screen	Depth to Water (7/16/98)	Water Elevation (7/16/98)	Well Construction Type	Well Construction Casing	Installation Date	Installation By	Water Table Elv. > Top of Screen Elv.
P Series:												
P-1	shallow	U	30.09	U	U	6.86	23.23	flush	1.5" pvc	U	U	U
PI Series:												
PI-1	deep	U	26.90	U	U			flush	8" s.steel	10/91	Heritage	^
CW Series:												
CW-1	shallow	30.27	29.77	5	23.27	7.29	22.48	flush	s.steel	9/90	Heritage	No
CW-2	shallow	30.11	29.51	5	23.11			flush	s.steel	9/90	Heritage	NI
CW-3	shallow	U	29.72	5	U			flush	s.steel	9/90	Heritage	NI
CW-4	shallow	29.10	28.83	5	22.60	6.23	22.60	flush	s.steel	7/90	Heritage	No
CW-5	shallow	28.89	28.67	5	22.39			flush	s.steel	7/90	Heritage	NI
CW-6	shallow	29.25	28.93	5	25.25			flush	s.steel	9/90	Heritage	NI
CW-7	shallow	26.70	26.13	5	17.70	7.56	18.57	flush	s.steel	8/90	Heritage	Yes
CW-8	shallow	26.70	26.77	5	17.70	8.57	18.20	flush	s.steel	8/90	Heritage	Yes
CW-9	shallow	26.60	26.37	5	17.60			flush	s.steel	8/90	Heritage	NI
CW-10	shallow	26.50	25.91	5	17.50	7.64	18.27	flush	s.steel	8/90	Heritage	Yes

TABLE II
WELL CONSTRUCTION DATA
HEXCEL FACILITY
LODI, NEW JERSEY

Well ID	Type	Ground Elevation	Elevation Top of Casing	Length of Screen	Elevation Top of Screen	Depth to Water (7/16/98)	Water Elevation (7/16/98)	Well Construction Type	Well Construction Casing	Installation Date	Installation By	Water Table Elv. > Top of Screen Elv.
CW Series (continued):												
CW-11	shallow	26.60	25.74	5	17.60			vaultbox	s.steel	8/90	Heritage	NI
CW-12	shallow	26.51	25.71	5	17.51	7.44	18.27	flush	s.steel	8/90	Heritage	Yes
CW-13	shallow	26.60	26.05	5	17.60			flush	s.steel	8/90	Heritage	NI
CW-14	shallow	26.70	26.37	5	17.70	8.02	18.35	flush	s.steel	8/90	Heritage	Yes
CW-15	shallow	26.90	26.31	5	17.90			flush	s.steel	8/90	Heritage	NI
CW-16	shallow	27.00	26.45	5	18.00	7.89	18.56	flush	s.steel	8/90	Heritage	Yes
CW-17	shallow	27.10	26.25	5	18.10	7.28	18.97	flush	s.steel	8/90	Heritage	Yes
CW-18	shallow	27.20	26.61	5	18.20			flush	s.steel	8/90	Heritage	NI
CW-19	shallow	27.20	26.50	5	18.20			flush	s.steel	8/90	Heritage	NI
CW-20	shallow	27.30	26.74	5	18.30			flush	s.steel	8/90	Heritage	NI
CW-21	shallow	27.40	26.77	5	18.40			flush	s.steel	8/90	Heritage	NI
CW-22	shallow	27.30	26.35	5	18.30			flush	s.steel	8/90	Heritage	NI
MW Series:												
MW-1	deep	29.03	32.42	5	13.88	10.21	22.21	stickup	pvc	7/88	Environ	^
MW-2	shallow	27.90	31.00	5	26.13	8.11	22.89	stickup	pvc	8/88	Environ	No
MW-3	deep	27.84	31.13	5	5.30	10.56	20.57	stickup	pvc	8/88	Environ	^
MW-4	shallow	29.02	32.33	5	27.49	8.02	24.31	stickup	pvc	8/88	Environ	No
MW-5	deep	29.03	32.54	5	9.12	10.38	22.16	stickup	pvc	8/88	Environ	^

TABLE II
WELL CONSTRUCTION DATA
HEXCEL FACILITY
LODI, NEW JERSEY

Well ID	Type	Ground Elevation	Elevation Top of Casing	Length of Screen	Elevation Top of Screen	Depth to Water (7/16/98)	Water Elevation (7/16/98)	Well Construction Type	Well Construction Casing	Installation Date	Installation By	Water Table Elv. > Top of Screen Elv.
MW Series (continued):												
MW-6	shallow	27.14	30.74	10	22.12	10.32	20.42	stickup	pvc	8/88	Environ	No
MW-7	deep	27.18	30.68	5	2.55	9.87	20.81	stickup	pvc	7/88	Environ	^
MW-8	shallow	26.92	30.26	10	22.98	12.07	18.19	stickup	pvc	8/88	Environ	No
MW-9	deep	26.89	29.83	5	5.09	9.02	20.81	stickup	pvc	7/88	Environ	^
MW-10	shallow	27.33	30.83	11	24.81	12.71	18.12	stickup	pvc	8/88	Environ	No
MW-11	deep	27.28	30.78	10	6.86	10.24	20.54	stickup	pvc	7/88	Environ	^
MW-12	shallow	27.62	31.01	10	24.05	11.01	20.00	stickup	pvc	8/88	Environ	No
MW-13	deep	27.63	31.16	5	2.89	9.94	21.22	stickup	pvc	7/88	Environ	^
MW-14	shallow	27.12	30.70	9	24.18	11.68	19.02	stickup	pvc	8/88	Environ	No
MW-15	deep	27.17	30.77	5	10.13	9.09	21.68	stickup	pvc	7/88	Environ	^
MW-16	shallow	26.71	29.69	5	22.14	7.06	22.63	stickup	pvc	8/88	Environ	Yes
MW-17	shallow	29.10	31.44	8	25.10	9.37	22.07	stickup	pvc	1/89	Environ	No
MW-18	shallow	29.04	32.23	5	25.97	9.10	23.13	stickup	pvc	8/88	Environ	No
MW-19	deep	27.30	29.08	5	7.30	7.36	21.72	stickup	pvc	1/89	Environ	^
MW-20	shallow	28.50	27.95	5	13.50	5.23	22.72	flush	pvc	11/90	Heritage	Yes
MW-21	shallow	28.80	30.67	10	25.80	8.79	21.88	stickup	pvc	9/90	Heritage	No
MW-22	shallow	28.73	28.45	5	25.73	5.85	22.60	flush	pvc	12/90	Heritage	No
MW-23	shallow	27.83	27.51	5	22.83	4.55	22.96	flush	pvc	11/90	Heritage	Yes
MW-24	shallow	26.93	26.51	5	21.93	3.91	22.60	flush	pvc	11/90	Heritage	Yes
MW-25	shallow	26.47	26.03	10	23.47	7.65	18.38	flush	pvc	9/90	Heritage	No

TABLE II
WELL CONSTRUCTION DATA
HEXCEL FACILITY
LODI, NEW JERSEY

Well ID	Type	Ground Elevation	Elevation Top of Casing	Length of Screen	Elevation Top of Screen	Depth to Water (7/16/98)	Water Elevation (7/16/98)	Well Construction Type	Well Construction Casing	Installation Date	Installation By	Water Table Elv. > Top of Screen Elv.
MW Series (continued):												
MW-26	(a)	29.26	28.85	2	12.26	7.27	21.58	flush	2" pvc	12/90	Heritage	(b)
MW-27	shallow	29.10	31.43	5	24.10	7.26	24.17	stickup	pvc	9/90	Heritage	Yes
MW-28	shallow	27.50	29.68	10	24.50	10.81	18.87	stickup	pvc	9/90	Heritage	No
MW-29	shallow	27.50	27.32	5	22.50	4.35	22.97	flush	pvc	2/91	Heritage	Yes
MW-30	shallow	28.25	28.08	5	22.25	5.12	22.96	flush	pvc	2/91	Heritage	Yes
MW-31	shallow	28.33	27.95	5	22.33	5.08	22.87	flush	pvc	2/91	Heritage	Yes
MW-32B	shallow	29.00	31.23	6	26.13	8.34	22.89	stickup	pvc	11/97	H&A	No
MW-33	shallow	U	31.72	10	U	9.96	21.76	stickup	pvc	4/92	Heritage	U
PB Series:												
PB-1	shallow	17.46	21.78	1	16.46	0.60	21.18	stickup	2" g.steel	6/95	GEO	Yes
PB-2	shallow	17.50	21.25	1	16.70	0.73	20.52	stickup	2" g.steel	6/95	GEO	Yes
PB-4	shallow	17.52	21.52	1	16.72	1.27	20.25	stickup	2" g.steel	6/95	GEO	Yes

NOTES: Refer to "Table 2: Summary of Well Construction Data " provided in Appendix B of Progress Report dated July 31, 1995 for the list of sources used for compiling this table.
All measurements of depths are from the top of casing unless otherwise noted.
N/A: Well was inaccessible on the day of quarterly monitoring.
NI: Well not included in the quarterly monitoring.
U: Unknown.
*: All wells 4" diameter unless otherwise noted.
^: Well is screened in the confined aquifer, therefore, the question is not applicable.
(a): Ground water elevation data from MW-26 have been excluded from both shallow and deep aquifer contours; refer to Section 1a of the April 1996 Report for details.

Contour Map Reporting Form

Site Name: Hexcel Facility, Lodi, NJ
File No.: 74167-004

Figure No.: 1
Water levels taken on 7/16/98
Page 1 of 2

1. Did any surveyed well casing elevations change from the previous sampling event? If yes, attach new "Well Certification -Form B" and identify the reason for the elevation change (damage to casing, installation of recovery system in monitoring well, etc.) ☐Yes ☑No

2. Are there any monitor wells in unconfined aquifers in which the water table elevation is higher than the top of the well screen? If yes, identify these wells. ☑Yes ☐No

   Monitor wells for which the water table elevations are higher than the top of the well screen are identified in ***Table II: Well Construction Data*** *provided in Appendix A.*

3. Are there any monitor wells present at the site but omitted from the contour map? Unless the omission of the well(s) has been previously approved by the Department, justify the omissions. ☑Yes ☐No

   The quarterly ground water elevation monitoring plan was approved by NJDEP in its June 12, 1995 letter. For information on additional omissions, please refer to ***Figure 1: Shallow Groundwater Elevation Contours on 7/16/98*** *and* ***Table I: Quarterly Water Level/Product Thickness Measurements (7/16/98)*** in Appendix A.

4. Are there any monitor wells containing separate phase product during this measuring event? ☑Yes ☐No

   Only CW-7 indicated presence of measurable product (LNAPL) with the product-interface probe. For some other wells, although the product-interface probe did not register presence of product, visual observation of the probe indicated presence of product (DNAPL).

   Were any of the monitor wells with separate phase product included in the ground water contour map? ☑Yes ☐No
   If yes, show the formula used to correct the water table elevation.

   Water level in CW-7 was corrected using the equation:
   Depth to Water (Corrected) = DTW (measured) – (Product Thickness X Specific Gravity).
   A specific gravity of 0.88 was used for calculation.

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Contour Map Reporting Form

Site Name: Hexcel Facility, Lodi, NJ
File No.: 74167-004

Figure No.: 1
Water levels taken on 7/16/98

5. Has the ground water flow direction changed more than 45 degrees from the previous ground water contour map? ☐ Yes ☑ No
   If yes, discuss the reasons for the change.

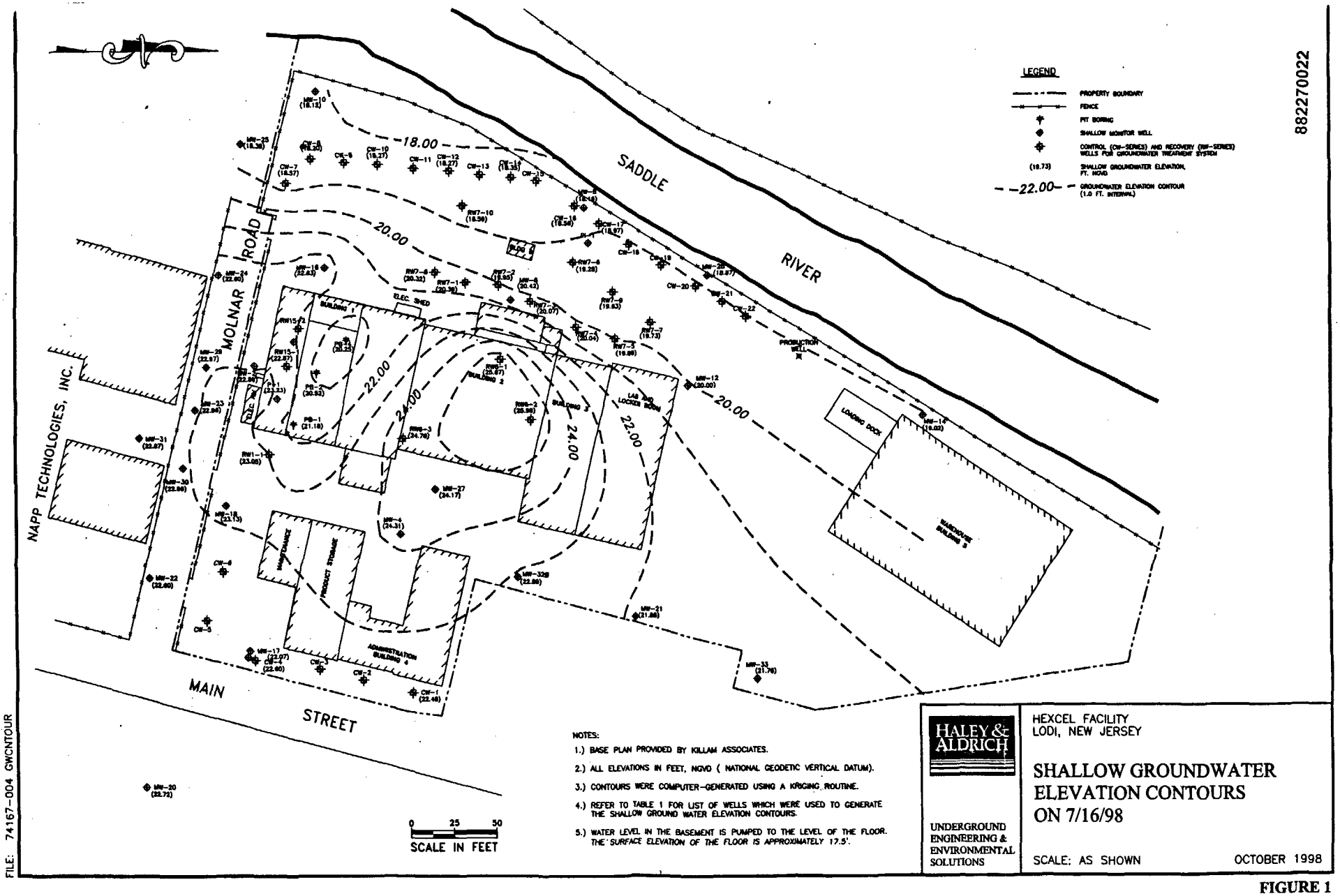
6. Has ground water mounding and/or depressions been identified in the ground water contour map? ☑ Yes ☐ No
   Unless the ground water mounds and/or depressions are caused by the ground water remediation system, discuss the reasons for this occurrence.

   It is not known why mounding occurs in the vicinity of building 2.

7. Are all the wells used in the contour map screened in the same water-bearing zone? ☑ Yes ☐ No
   If no, justify inclusion of those wells.

8. Were the ground water contours
   ☑ computer generated, ☐ computer aided, or ☐ hand-drawn?
   If computer aided or generated, identify the interpolation method(s) used.

   Kriging Routine



NOTES:

1.) BASE PLAN PROVIDED BY KILLAM ASSOCIATES.

2.) ALL ELEVATIONS IN FEET, NGVD (NATIONAL GEODETIC VERTICAL DATUM).

3.) CONTOURS WERE COMPUTER-GENERATED USING A KRIGING ROUTINE.

4.) REFER TO TABLE 1 FOR LIST OF WELLS WHICH WERE USED TO GENERATE THE SHALLOW GROUND WATER ELEVATION CONTOURS.

5.) WATER LEVEL IN THE BASEMENT IS PUMPED TO THE LEVEL OF THE FLOOR. THE SURFACE ELEVATION OF THE FLOOR IS APPROXIMATELY 17.5'.

HALEY & ALDRICH

UNDERGROUND ENGINEERING & ENVIRONMENTAL SOLUTIONS

HEXCEL FACILITY
LODI, NEW JERSEY

SHALLOW GROUNDWATER ELEVATION CONTOURS ON 7/16/98

SCALE: AS SHOWN

OCTOBER 1998

882270022

FILE: 74167-004 GWCNTOUR

FIGURE 1

Contour Map Reporting Form

Site Name: Hexcel Facility, Lodi, NJ
File No.: 74167-004

Figure No.: 2
Water levels taken on 7/16/98
Page 1 of 1

1. Did any surveyed well casing elevations change from the previous sampling event? ☐Yes ☑No
   If yes, attach new "Well Certification -Form B" and identify the reason for the elevation change (damage to casing, installation of recovery system in monitoring well, etc.)

2. Are there any monitor wells in unconfined aquifers in which the water table elevation is higher than the top of the well screen? If yes, identify these wells. ☐Yes ☐No

   Not applicable because confined aquifer.

3. Are there any monitor wells present at the site but omitted from the contour map? ☐Yes ☑No
   Unless the omission of the well(s) has been previously approved by the Department, justify the omissions.

4. Are there any monitor wells containing separate phase product during this measuring event? ☐Yes ☑No

   Were any of the monitor wells with separate phase product included in the ground water contour map? ☐Yes ☑No
   If yes, show the formula used to correct the water table elevation.

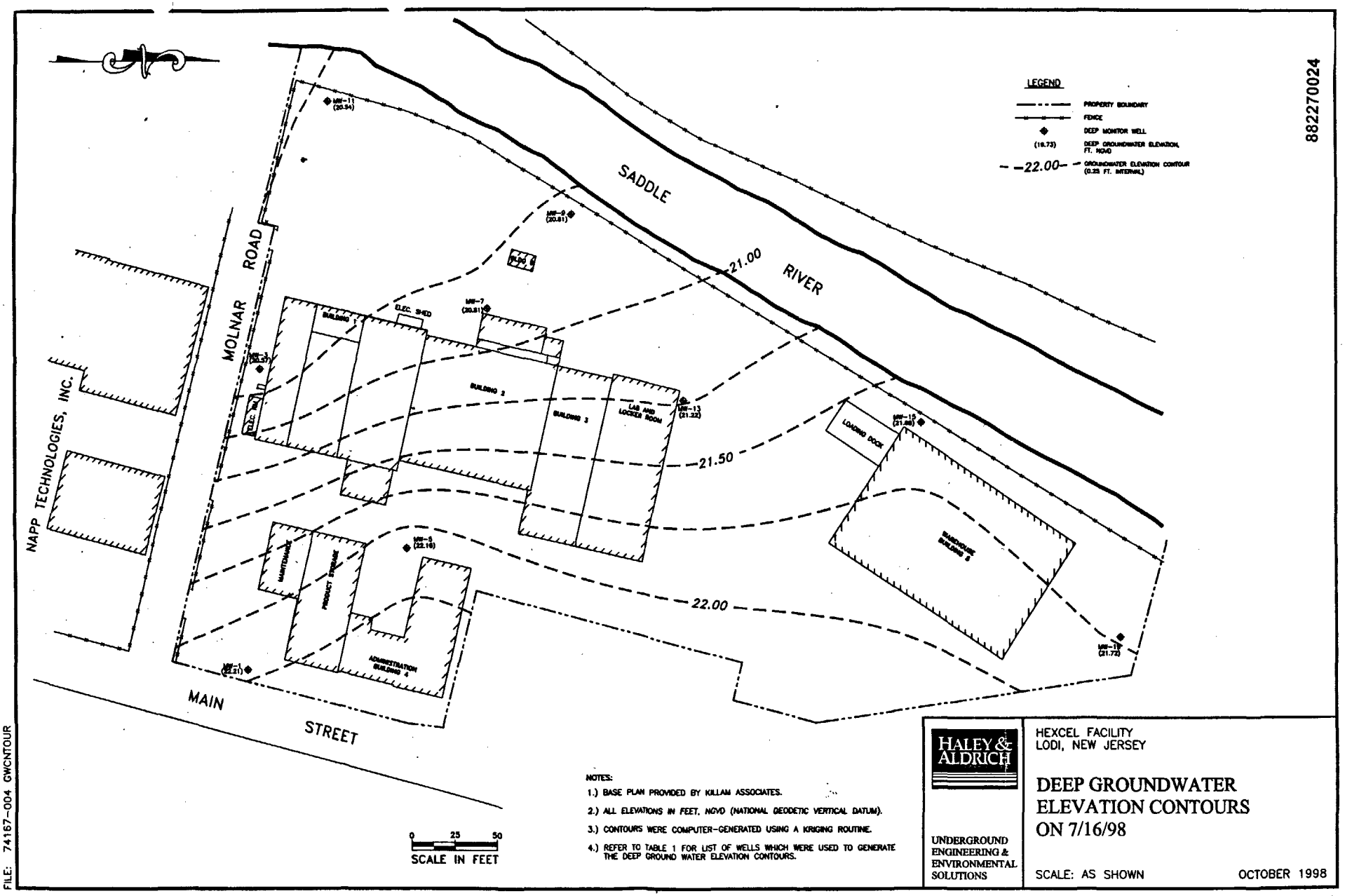
5. Has the ground water flow direction changed more than 45 degrees from the previous ground water contour map? ☐Yes ☑No
   If yes, discuss the reasons for the change.

6. Has ground water mounding and/or depressions been identified in the ground water contour map? ☐Yes ☑No
   Unless the ground water mounds and/or depressions are caused by the ground water remediation system, discuss the reasons for this occurrence.

7. Are all the wells used in the contour map screened in the same water-bearing zone? ☑Yes ☐No
   If no, justify inclusion of those wells.

8. Were the ground water contours
   ☑ computer generated, ☐ computer aided, or ☐ hand-drawn?
   If computer aided or generated, identify the interpolation method(s) used.

   Kriging Routine



NOTES:

1.) BASE PLAN PROVIDED BY KILLAM ASSOCIATES.

2.) ALL ELEVATIONS IN FEET, NGVD (NATIONAL GEODETIC VERTICAL DATUM).

3.) CONTOURS WERE COMPUTER-GENERATED USING A KRIGING ROUTINE.

4.) REFER TO TABLE 1 FOR LIST OF WELLS WHICH WERE USED TO GENERATE THE DEEP GROUND WATER ELEVATION CONTOURS.

HALEY & ALDRICH

UNDERGROUND ENGINEERING & ENVIRONMENTAL SOLUTIONS

HEXCEL FACILITY
LODI, NEW JERSEY

DEEP GROUNDWATER ELEVATION CONTOURS ON 7/16/98

SCALE: AS SHOWN

OCTOBER 1998

882270024

FILE: 74167-004 GWCNTOUR

FIGURE 2

Appendix C

Monthly Monitoring

Table III: Monthly Water Level/Product Thickness Measurements for August 1998

Table IV: Monthly Water Level/Product Thickness Measurements for September 1998

882270026

TABLE III
MONTHLY WATER LEVEL/PRODUCT THICKNESS MEASUREMENTS FOR AUGUST 1998
HEXCEL FACILITY
LODI, NEW JERSEY

-All measurements in feet -
-All elevations in feet (NGVD)-

MEASUREMENTS COLLECTED : 8/19/98

Well ID	Type	Depth to Water	Depth to Product		Product Thickness	Depth to Bottom	Elevation Top of Casing	Water Elevation	Comments
			DNAPL	LNAPL					
CW-7	shallow	7.50 *	--	7.48	0.22	14.00	26.13	18.63	Measures Depth to Water was 7.70'.
CW-12	shallow	7.43	--	--	--	13.96	25.71	18.28	Product on probe (DNAPL)**
CW-16	shallow	8.14	--	--	--	13.92	26.45	18.31	Product on probe (DNAPL)**
MW-6	shallow	10.51	--	--	--	18.41	30.74	20.23	Product on probe (DNAPL)**
MW-8	shallow	12.08	--	--	--	17.35	30.26	18.18	Product on probe (DNAPL)**
RW6-1	shallow	3.39	--	--	--	13.74	28.84	25.45	Product on probe (DNAPL)**
RW7-1	shallow	5.81	--	--	--	16.62	26.25	20.44	Product on probe (DNAPL)**
RW7-4	shallow	7.12	--	--	--	19.11	27.11	19.99	Product on probe (DNAPL)**
RW7-5	shallow	7.65	--	--	--	19.38	27.57	19.92	Product on probe (DNAPL)**
PB-1	shallow	1.12	--	--	--	5.24	21.78	NM	Sediment on probe
PB-2	shallow	0.91	--	--	--	5.82	21.25	20.34	Product on probe (DNAPL)**

NOTES: All measurements of depths are from the top of casing unless otherwise noted.

Many of the wells have accumulated sediment which results in slight fluctuations in the measurements of depth to bottom.

--: Not detected by product interface meter.

*: In wells with LNAPL, water levels are corrected using the equation: DTW (corrected) = DTW (measured) - (Product thickness * specific gravity).

Specific gravity of 0.88 used for water level correction (petroleum lubricating oil).

**: Though the product-interface meter did not register presence of product in the well, product was observed on the probe.

882270027

TABLE IV
MONTHLY WATER LEVEL/PRODUCT THICKNESS MEASUREMENTS FOR SEPTEMBER 1998
HEXCEL FACILITY
LODI, NEW JERSEY

-All measurements in feet -
-All elevations in feet (NGVD)-

MEASUREMENTS COLLECTED : 9/17/98

Well ID	Type	Depth to Water	Depth to Product		Product Thickness	Depth to Bottom	Elevation Top of Casing	Water Elevation	Comments
			DNAPL	LNAPL					
CW-7	shallow	7.71	--	--	--	14.00	26.13	18.42	Product on probe (LNAPL)**
CW-12	shallow	7.50	--	--	--	14.00	25.71	18.21	Product on probe (DNAPL)**
CW-16	shallow	8.19	--	--	--	13.96	26.45	18.26	Product on probe (DNAPL)**
MW-6	shallow	11.48	18.16	--	0.20	18.36	30.74	19.26	Product on probe (DNAPL)**
MW-8	shallow	12.28	--	--	--	17.39	30.26	17.98	Product on probe (DNAPL)**
RW6-1	shallow	3.62	--	--	--	13.80	28.84	25.22	Product on probe (DNAPL)**
RW7-1	shallow	6.13	--	--	--	16.67	26.25	20.12	Product on probe (DNAPL)**
RW7-4	shallow	7.29	--	--	--	19.12	27.11	19.82	Product on probe (DNAPL)**
RW7-5	shallow	7.91	--	--	--	19.45	27.57	19.66	Product on probe (DNAPL)**
PB-2	shallow	1.11	--	--	--	5.82	21.25	20.14	Product on probe (DNAPL)**

NOTES: All measurements of depths are from the top of casing unless otherwise noted.

Many of the wells have accumulated sediment which results in slight fluctuations in the measurements of depth to bottom.

--: Not detected by product interface meter.

*: In wells with LNAPL, water levels are corrected using the equation: DTW (corrected) = DTW (measured) - (Product thickness * specific gravity).

Specific gravity of 0.88 used for water level correction (petroleum lubricating oil).

**: Though the product-interface meter did not register presence of product in the well, product was observed on the probe.

TABLE V
VOLATILE ORGANICS ANALYTICAL RESULTS FOR SHALLOW WELLS
HEXCEL FACILTY
LODI, NEW JERSEY

Well ID	GWQS (ug/L)	MW-21			MW-22		MW-23			MW-24			
		1990	1993	1998	1993	1998	1990	1995	1998	1990	1993	1995	1998
1,1,1-Trichloroethane	30	--	--	--	[redacted]	20	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	1~	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	3	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethane	50~	27	21	50	[redacted]	6.8	--	--	0.6	--	--	--	--
1,1-Dichloroethene	2	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	2	--	--	--	[redacted]	--	--	--	--	--	0.78	--	--
1,2-Dichloropropane	1	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	600	117	40	--	[redacted]	--	95 J	NT	10	--	--	NT	--
1,3-Dichlorobenzene	600	31	56	--	--	--	397 J	NT	--	--	--	NT	--
1,4-Dichlorobenzene	75	[redacted]	[redacted]	[redacted]	[redacted]	--	--	NT	--	--	--	NT	--
2-Chloroethyl Vinyl Ether	100**	--	--	--	--	--	--	--	--	--	--	--	--
Benzene	1	[redacted]	[redacted]	[redacted]	--	--	--	[redacted]	0.9	--	--	--	--
Bromodichloromethane	1	--	--	--	--	--	--	--	--	--	--	--	--
Carbon Tetrachloride	2	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	50~	[redacted]	[redacted]	[redacted]	[redacted]	4.2	[redacted] J	[redacted]	14	--	1.4	1.8 J	1
Chloroethane	100**	--	--	--	--	--	--	--	--	--	--	--	--
Chloroform	6	--	--	--	--	--	--	--	--	--	--	--	--
Ethylbenzene	700	--	--	--	240	--	--	--	1.7	--	--	--	--
Methylene Chloride	3~	[redacted]	--	--	[redacted]	--	--	--	--	[redacted] J	--	[redacted] J	--
Tetrachloroethene	1	[redacted]	--	--	[redacted]	[redacted]	--	--	--	--	--	--	--
Toluene	1000	9	14	--	[redacted]	--	--	96	7.8	--	--	--	--
cis- 1,2-Dichloroethene	70~	NT	[redacted]	[redacted]	[redacted]	[redacted]	--	[redacted]	8.8	NT	--	--	--
trans- 1,2-Dichloroethene	100	--	--	47	--	--	[redacted]	--	0.4	--	--	--	--
Trichloroethene	1	[redacted]	--	--	[redacted]	--	--	--	--	--	--	--	--
Vinyl Chloride	5	--	[redacted]	[redacted]	--	--	[redacted]	[redacted]	[redacted]	--	--	--	--
Xylene (Total)	1000~	14	30	--	700	--	121 J	100	16	--	--	--	--
MTBE	70~	NT	NT	--	NT	--	NT	NT	--	NT	NT	NT	--
Total Targeted Volatile Organics (ug/L)***		1246	5355	13378	405220	1034.4	4682	24512	66	4	2.18	5	1

Refer to data qualifying notes provided at the beginning of the Volatile Organics Results section.

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TABLE V
VOLATILE ORGANICS ANALYTICAL RESULTS FOR SHALLOW WELLS
HEXCEL FACILTY
LODI, NEW JERSEY

Well ID	GWQS (ug/L)	MW-26		MW-27		MW-28			MW-33	
		1990	1998	1990	1998	1990	1993	1998	1992	1998
1,1,1-Trichloroethane	30	[illegible]	[illegible]	[illegible] J	[illegible]	7 J	--	--	--	6.3
1,1,2,2-Tetrachloroethane	1~	--	--	[illegible] J	--	--	--	--	--	--
1,1,2-Trichloroethane	3	--	--	--	--	--	--	--	--	--
1,1-Dichloroethane	50~	--	[illegible]	--	[illegible]	44 J	--	--	--	2.4
1,1-Dichloroethene	2	[illegible] J	--	--	--	--	--	--	--	1.2
1,2-Dichloroethane	2	[illegible]	[illegible]	--	--	--	--	--	--	--
1,2-Dichloropropane	1	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	600	[illegible]	--	[illegible] J	--	10 J	--	--	--	--
1,3-Dichlorobenzene	600	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	75	--	--	--	--	--	--	--	--	--
2-Chloroethyl Vinyl Ether	100**	--	--	--	--	--	--	--	--	--
Benzene	1	[illegible]	--	--	--	[illegible] J	[illegible]	[illegible]	--	--
Bromodichloromethane	1	--	--	--	--	--	--	--	--	--
Carbon Tetrachloride	2	[illegible]	--	--	--	--	--	--	--	--
Chlorobenzene	50~	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	--	5.8
Chloroethane	100**	--	--	--	--	--	--	--	--	--
Chloroform	6	[illegible]	[illegible]	--	--	--	--	--	[illegible]	[illegible]
Ethylbenzene	700	--	--	--	--	--	--	--	--	--
Methylene Chloride	3~	[illegible]	[illegible]	[illegible]	[illegible]	[illegible] J	--	--	3 J	--
Tetrachloroethene	1	[illegible]	[illegible]	[illegible]	[illegible]	--	--	--	--	--
Toluene	1000	--	[illegible]	--	[illegible]	--	--	--	--	--
cis- 1,2-Dichloroethene	70~	NT	[illegible]	NT	[illegible]	NT	--	--	--	[illegible]
trans- 1,2-Dichloroethene	100	[illegible] J	--	[illegible]	--	17 J	--	--	--	1.2
Trichloroethene	1	[illegible]	[illegible]	[illegible]	--	--	--	--	--	[illegible]
Vinyl Chloride	5	--	[illegible]	--	--	--	--	[illegible]	--	1.6
Xylene (Total)	1000~	--	--	[illegible] J	--	--	--	--	--	--
MTBE	70~	NT	--	NT	--	NT	NT	--	NT	4.8
Total Targeted Volatile Organics (ug/L)***		148306	623300	594142	493010	528	1840	1446	17.5	126.5

Refer to data qualifying notes provided at the beginning of the Volatile Organics Results section.

TABLE VI
VOLATILE ORGANICS ANALYTICAL RESULTS FOR DEEP WELLS
HEXCEL FACILTY
LODI, NEW JERSEY

Well ID	GWQS (ug/L)	MW-1				MW-3			MW-5			MW-7		
		1988	1993	1995	1998	1988	1993	1998	1988	1993	1998	1988	1993	1998
1,1,1-Trichloroethane	30	--	--	--	--	3 J	1.3	4.5	2 J	--	--	3 J	1.6	--
1,1,2,2-Tetrachloroethane	1~	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	3	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethane	50~	31	--	--	--	--	--	2.7	48	5.5	14	--	--	--
1,1-Dichloroethene	2	--	--	--	--	--	--	--	--	--	1.3	--	--	--
1,2-Dichloroethane	2	[redacted]	--	--	--	--	1.7	--	[redacted] J	--	[redacted]	[redacted]	[redacted]	--
1,2-Dichloropropane	1	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	600	--	58	NT	--	--	180	[redacted]	--	7.1	64	6 J	9.4	--
1,3-Dichlorobenzene	600	--	--	NT	--	--	6.4	18	--	1	--	56	--	--
1,4-Dichlorobenzene	75	--	7.4	NT	--	--	15	69	--	2.5	18	--	--	--
2-Chloroethyl Vinyl Ether	100	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzene	1	--	--	--	--	[redacted] J	--	[redacted]	[redacted]	[redacted]	[redacted]	--	--	--
Bromodichloromethane	1	--	--	--	--	--	--	--	--	--	--	[redacted]	--	--
Carbon Tetrachloride	2	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	50~	[redacted]	19	8.6 J	--	[redacted]	[redacted]	[redacted]	[redacted]	20	[redacted]	--	[redacted]	3.8
Chloroethane	100	--	--	--	--	--	--	--	7.2 J	--	--	--	--	--
Chloroform	6	[redacted] J	--	--	--	[redacted] J	--	--	--	--	--	[redacted]	--	2.8
Ethylbenzene	700	18 J	--	--	--	--	--	1.6	5.8	--	0.4	--	--	--
Methylene Chloride	3~	[redacted] D	--	--	--	[redacted] B	--	[redacted]	[redacted] B	[redacted]	--	[redacted] B	[redacted]	--
Tetrachloroethene	1	[redacted]	--	--	--	--	[redacted]	[redacted]	[redacted] J	--	[redacted]	[redacted]	[redacted]	[redacted]
Toluene	1000	140	34	12	--	4.4 J	--	--	29	--	5	2 J	2.9	--
cis- 1,2-Dichloroethene	70~	--	[redacted]	[redacted]	[redacted]	--	[redacted]	[redacted]	--	[redacted]	[redacted]	--	7	9.1
trans- 1,2-Dichloroethene	100	[redacted]	--	--	--	[redacted]	3.3	9.1	[redacted]	--	3.9	5.5	--	--
Trichloroethene	1	[redacted] J	--	[redacted] J	--	--	[redacted]	[redacted]	[redacted] J	--	[redacted]	[redacted]	[redacted]	[redacted]
Vinyl Chloride	5	[redacted]	--	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	--	--	--
Xylene (Total)	1000~	NT	36	--	--	NT	--	--	NT	--	1.3	NT	--	--
MTBE	70~	NT	NT	NT	--	NT	NT	--	NT	NT	4	NT	NT	--
Total Targeted Volatile Organics (ug/L)		7305	1454.4	803.1	1749	904.3	718.7	1893	603.1	196.2	456.6	200.7	128.2	29.5

Refer to data qualifying notes provided at the beginning of the Appendix.

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TABLE VI
VOLATILE ORGANICS ANALYTICAL RESULTS FOR DEEP WELLS
HEXCEL FACILTY
LODI, NEW JERSEY

Well ID	GWQS (ug/L)	MW-9			MW-11			MW-13			MW-15		MW-19	
		1988	1993	1998	1988	1993	1998	1988	1993	1998	1988	1998	1989	1998
1,1,1-Trichloroethane	30	--	--	--	2 J	--	--	5 J	--	--	6.8	--	--	--
1,1,2,2-Tetrachloroethane	1~	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	3	--	--	--	--	--	--	[redacted] J	--	--	--	--	--	--
1,1-Dichloroethane	50~	--	--	--	2 J	--	--	2 J	--	--	--	--	--	--
1,1-Dichloroethene	2	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	2	2 J	2	--	--	1.8	--	--	--	--	--	--	--	--
1,2-Dichloropropane	1	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	600	6 J	6.6	--	--	2.8	--	12 J	--	--	--	--	--	--
1,3-Dichlorobenzene	600	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	75	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloroethyl Vinyl Ether	100	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzene	1	--	--	--	[redacted] J	--	--	--	--	--	--	--	--	--
Bromodichloromethane	1	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon Tetrachloride	2	--	--	--	--	--	[redacted]	--	--	--	--	[redacted]	--	0.7
Chlorobenzene	50~	--	25	14	29	12	7.5	--	--	--	4.3 J	0.6	--	0.3
Chloroethane	100	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroform	6	3 J	--	0.7	--	--	1.3	1.1 J	1.1	5.3	--	3	--	0.9
Ethylbenzene	700	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene Chloride	3~	[redacted] B	--	--	[redacted] B	--	--	[redacted]	--	--	[redacted] J,B	--	--	--
Tetrachloroethene	1	[redacted]	[redacted]	[redacted]	--	[redacted]	0.5	[redacted] J	[redacted]	[redacted]	--	[redacted]	[redacted] J	[redacted]
Toluene	1000	--	1.5	--	--	--	--	--	--	--	--	--	--	--
cis- 1,2-Dichloroethene	70~	--	15	7.7	--	9	5.2	--	15	8.3	--	2.2	11 ^	4.8
trans- 1,2-Dichloroethene	100	5.1	--	--	13	--	--	15	--	--	1.4 J	--	--	0.4
Trichloroethene	1	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
Vinyl Chloride	5	--	--	--	--	--	--	--	1.5	--	--	--	--	--
Xylene (Total)	1000~	NT	--	--	NT	--	--	NT	--	--	--	--	NT	--
MTBE	70~	NT	NT	--	NT	NT	--	NT	NT	--	NT	--	NT	0.8 J
Total Targeted Volatile Organics (ug/L)		49.1	70.2	45.8	66.1	30.8	28.6	143.1	25.9	23.4	24.7	27.1	58	43.2

Refer to data qualifying notes provided at the beginning of the Appendix.

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TABLE VII
PCB ANALYTICAL RESULTS FOR SHALLOW WELLS
HEXCEL FACILTY
LODI, NEW JERSEY

Well ID	MW-2		MW-4	MW-6		MW-8		MW-10		MW-12	
	1988	1998	1998	1988	1998	1988	1998	1988	1998	1988	1998
Aroclor-1016	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1221	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1232	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1242	--	--	1.4	--	--	--	--	--	1.7	--	--
Aroclor-1248	86	90	--	--	--	--	--	--	--	--	--
Aroclor-1254	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1260	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1262	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1268	--	--	--	--	--	--	--	--	--	--	--

Notes: All results are in ug/L.
Ground Water Quality Standard for Total PCBs is 0.5 ug/L; GWQS is not available for individual Aroclors.

TABLE VII
PCB ANALYTICAL RESULTS FOR SHALLOW WELLS
HEXCEL FACILTY
LODI, NEW JERSEY

Well ID	MW-14		MW-16		MW-20		MW-21		MW-22	MW-23	
	1988	1998	1988	1998	1990	1998	1990	1998	1998	1995	1998
Aroclor-1016	--	--	--	--	--	--	--	--	--	*	--
Aroclor-1221	--	--	--	--	--	--	--	--	--	*	--
Aroclor-1232	--	--	--	--	--	--	--	--	--	*	--
Aroclor-1242	--	--	--	9.9	--	--	--	--	5.7	*	--
Aroclor-1248	--	--	--	--	--	--	--	--	--	*	--
Aroclor-1254	--	--	--	--	--	--	--	--	--	*	--
Aroclor-1260	--	--	--	--	--	--	--	--	--	*	--
Aroclor-1262	--	--	--	--	--	--	--	--	--	*	--
Aroclor-1268	--	--	--	--	--	--	--	--	--	*	--

Notes: All results are in ug/L.
Ground Water Quality Standard for Total PCBs is 0.5 ug/L; GWQS is not available for individual Aroclors.
* = This sample was collected by Napp Technologies, Inc. Concentrations of individual Aroclors are not available; Total PCBs reportedly detected at 0.8 ug/L.

TABLE VII
PCB ANALYTICAL RESULTS FOR SHALLOW WELLS
HEXCEL FACILTY
LODI, NEW JERSEY

Well ID	MW-24		MW-26		MW-27	MW-28		MW-33
	1990	1998	1990	1998	1998	1990	1998	1998
Aroclor-1016	--	--	--	--	--	--	--	--
Aroclor-1221	--	--	--	--	--	--	--	--
Aroclor-1232	--	--	--	--	--	--	--	--
Aroclor-1242	--	--	--	--	4.1	--	--	--
Aroclor-1248	--	--	--	--	--	--	--	--
Aroclor-1254	--	--	--	--	--	--	--	--
Aroclor-1260	--	--	--	--	--	--	--	--
Aroclor-1262	--	--	--	--	--	--	--	--
Aroclor-1268	--	--	--	--	--	--	--	--

Notes: All results are in ug/L.
Ground Water Quality Standard for Total PCBs is 0.5 ug/L; GWQS is not available for individual Aroclors.

TABLE VIII
PCB ANALYTICAL RESULTS FOR DEEP WELLS
HEXCEL FACILTY
LODI, NEW JERSEY

Well ID	MW-1		MW-3		MW-5	MW-7		MW-9		MW-11		MW-13		MW-15		MW-19
	1988	1998	1988	1998	1998	1988	1998	1988	1998	1988	1998	1988	1998	1988	1998	1998
Aroclor-1016	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1221	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1232	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1242	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1248	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1254	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1260	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1262	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1268	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Notes: All results are in ug/L.
Ground Water Quality Standard for Total PCBs is 0.5 ug/L; GWQS is not available for individual Aroclors.

Appendix D

Monitor Well Sampling Results

Table V: Volatile Organics Analytical Results for Shallow Wells

Table VI: Volatile Organics Analytical Results for Deep Wells

Table VII: PCB Analytical Results for Shallow Wells

Table VIII: PCB Analytical Results for Deep Wells

DATA QUALIFYING NOTES FOR TABLES V and VI

All concentrations have been rounded off to the nearest whole number.

GWQS = Ground Water Quality Standards; N.J.A.C. 7:9-6.

170 = Indicates that the concentration exceeds the GWQS for that compound.

(170) = Represents concentration from a diluted or a duplicate sample.

* = The given concentration is a total of 1,2 and 1,4-Dichlorobenzenes.

^ = The given concentration is a total of cis- and trans-1,2-Dichloroethenes.

-- = Not Detected at the Method Detection Limit.

NT = Not Tested

J = Estimated Concentration

B = Compound was also detected in the Method Blank.

** = GWQS not available for this compound; the criteria listed is the interim generic criteria for synthetic organic chemicals lacking evidence of carcinogenicity.

*** = Includes the total of concentrations for all the detected targeted compounds.

~ = New Maximum Concentration Limits (MCLs) in accordance with the revision to Safe Drinking Water Act (New Jersey Register: November 18, 1996). NJDEP memorandum dated February 5, 1997 defines these MCLs as the interim specific criteria replacing the promulgated GWQS for these compounds.

TABLE V
VOLATILE ORGANICS ANALYTICAL RESULTS FOR SHALLOW WELLS
HEXCEL FACILTY
LODI, NEW JERSEY

Well ID	GWQS (ug/L)	MW-2				MW-4			MW-6		
		1988	1993	1995	1998	1988	1993	1998	1988	1993	1998
1,1,1-Trichloroethane	30	--	--	--	--	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1,1,2,2-Tetrachloroethane	1~	[illegible] J	--	--	--	[illegible] J	--	--	--	--	--
1,1,2-Trichloroethane	3	[illegible]	--	--	--	--	--	--	--	--	--
1,1-Dichloroethane	50~	--	--	--	--	--	[illegible]	--	--	15	--
1,1-Dichloroethene	2	--	--	--	--	--	[illegible]	--	--	--	--
1,2-Dichloroethane	2	--	--	--	--	[illegible]	[illegible]	--	[illegible]	[illegible]	[illegible]
1,2-Dichloropropane	1	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	600	--	1.8	NT	--	--	[illegible]	--	[illegible]	59	--
1,3-Dichlorobenzene	600	--	--	NT	--	--	32	--	--	--	--
1,4-Dichlorobenzene	75	--	1.6	NT	--	--	[illegible]	--	48 J	--	--
2-Chloroethyl Vinyl Ether	100**	--	--	--	--	--	--	--	--	[illegible]	--
Benzene	1	--	--	--	--	--	[illegible]	--	--	--	[illegible]
Bromodichloromethane	1	--	--	--	--	--	--	--	--	--	--
Carbon Tetrachloride	2	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	50~	1.4 J	4.3	--	--	[illegible]	[illegible]	--	--	[illegible]	[illegible]
Chloroethane	100**	--	--	--	--	--	--	--	[illegible]	19	--
Chloroform	6	[illegible]	--	--	--	--	--	--	[illegible]	[illegible]	[illegible]
Ethylbenzene	700	--	--	--	--	--	24	--	--	30	28
Methylene Chloride	3~	[illegible] B,D	--	--	--	[illegible] B,D	[illegible]	[illegible]	[illegible] B	[illegible]	[illegible]
Tetrachloroethene	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	--	[illegible]	[illegible]	[illegible]
Toluene	1000	--	--	--	--	[illegible]	180	--	[illegible]	250	160
cis- 1,2-Dichloroethene	70~	--	28	9.6	3.3	--	[illegible]	[illegible]	--	[illegible]	57
trans- 1,2-Dichloroethene	100	[illegible]	--	--	--	[illegible]	40	--	--	--	--
Trichloroethene	1	[illegible]	[illegible]	[illegible] J	[illegible]	[illegible]	[illegible]	--	[illegible]	[illegible]	[illegible]
Vinyl Chloride	5	[illegible]	--	--	--	--	--	--	--	[illegible]	--
Xylene (Total)	1000~	NT	--	--	--	NT	240	--	NT	45	--
MTBE	70~	NT	NT	NT	--	NT	NT	--	NT	NT	--
Total Targeted Volatile Organics (ug/L)***		1062.4	46.6	24.6	18.4	302790	19440	198000	240308	12955	11883

Refer to data qualifying notes provided at the beginning of the Appendix.

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Appendix E

Product Recovery

Table IX: Product Collection (DNAPL) in Third Quarter of 1998

Table X: Product Collection (LNAPL) in Third Quarter of 1998

TABLE IX
PRODUCT COLLECTION (DNAPL) IN THIRD QUARTER OF 1998
HEXCEL FACILITY
LODI, NEW JERSEY

All Quantities are Expressed in Gallons Rounded to the Nearest 0.1

DATE	MW-6 (DNAPL)	MW-8 (DNAPL)	MW-26 (DNAPL)	RW6-1 (DNAPL)	RW7-1 (DNAPL)	RW7-4 (DNAPL)	RW7-5 (DNAPL)	CW-12 (DNAPL)	CW-16 (DNAPL)	PB-2 (DNAPL)	TOTAL VOLUME RECOVERED
7/7/98	0.1	*	*	*	*	*	*	*	*	*	
7/16/98 (Quaterly)	--	--	--	--	--	--	--	--	--	--	
7/22/98	--	*	*	*	*	*	*	*	*	*	
7/31/98	--	*	*	*	*	*	*	*	*	*	
8/6/98	--	*	*	*	*	*	*	*	*	*	
8/14/98	--	*	*	*	*	*	*	*	*	*	
8/19/98 (Monthly)	--	--	*	--	--	--	--	--	--	--	
8/25/98	--	*	*	*	*	*	*	*	*	*	
9/4/98	--	*	*	*	*	*	*	*	*	*	
9/8/98	0.1	*	*	*	*	*	*	*	*	*	
9/17/98 (Monthly)	--	--	--	--	--	--	--	--	--	--	
9/25/98	--	*	*	*	*	*	*	*	*	*	
9/30/98	--	*	*	*	*	*	*	*	*	*	
TOTAL VOLUME RECOVERED, 3rd QUARTER, 1998	0.2	--	--	--	--	--	--	--	--	--	0.2
TOTAL VOLUME RECOVERED, 2nd QUARTER 1998	0.6	--	--	--	--	--	--	--	--	--	0.6
TOTAL VOLUME RECOVERED, 10/94 - 3/98	19.4	1.0	0.4	0.1	0.3	--	--	0.7	0.7	4.6	28.0
TOTAL VOLUME RECOVERED (TOTAL SINCE 10/94)	20.2	1.0	0.4	0.1	0.3	--	--	0.7	0.7	4.6	28.8

Notes: For product recovery purposes, quantities greater than 0.1 gallons (approx. 1 cup) are considered to be "measurable". It is not practicable to separate product from mixture of water and product when quantity is less than 1 cup.

*: Well not included in the weekly product recovery program.

--: i) Well was monitored and did not indicate recoverable product or ii) no measurable amount of product was recovered either by bailing or pumping.

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HALEY & ALDRICH

I:\94039\prodcoll\Prodcol2 (Third QD'98)
10/15/98

TABLE X
PRODUCT COLLECTION (LNAPL) IN THIRD QUARTER OF 1998
HEXCEL FACILITY
LODI, NEW JERSEY

All Quantities are Expressed in Gallons Rounded to the Nearest 0.1

DATE	MW-6 (LNAPL)	MW-8 (LNAPL)	MW-23 (LNAPL)	RW1-1 (LNAPL)	RW 6-1 (LNAPL)	RW7-4 (LNAPL)	RW7-5 (LNAPL)	CW-7 (LNAPL)	CW-12 (LNAPL)	CW-16 (LNAPL)	MW-17 (LNAPL)	RW 15-1 (LNAPL)	TOTAL VOLUME RECOVERED
7/16/98 (Quaterly)	--	--	--	--	--	--	--	--	--	a)	--	--	
7/22/98	--	*	*	*	*	*	*	0.2	*	*	*	*	
7/31/98	--	*	*	*	*	*	*	0.1	*	*	*	*	
8/6/98	--	*	*	*	*	*	*	0.1	*	*	*	*	
8/14/98	--	*	*	*	*	*	*	0.1	*	*	*	*	
8/19/98 (Monthly)	--	--	*	*	--	--	--	0.1	--	--	*	*	
8/25/98	--	*	*	*	*	*	*	0.1	*	*	*	*	
9/4/98	--	*	*	*	*	*	*	0.1	*	*	*	*	
9/8/98	--	*	*	*	*	*	*	--	*	*	*	*	
9/17/98 (Monthly)	--	--	*	*	--	--	--	--	--	--	*	*	
9/25/98	--	*	*	*	*	*	*	--	*	*	*	*	
9/30/98	--	*	*	*	*	*	*	--	*	*	*	*	
TOTAL VOLUME RECOVERED, 3rd QUARTER, 1998	--	--	--	--	--	--	--	0.8	--	--	--	--	0.8
TOTAL VOLUME RECOVERED, 2nd QUARTER 1998	--	--	--	--	--	--	--	--	--	--	--	--	0.0
TOTAL VOLUME RECOVERED, 10/94 - 3/98	6.9	--	--	--	--	--	--	2.6	--	--	--	--	9.5
TOTAL VOLUME RECOVERED (TOTAL SINCE 10/94)	6.9	--	--	--	--	--	--	3.4	--	--	--	--	10.3

Notes: For product recovery purposes, quantities greater than 0.1 gallons (approx. 1 cup) are considered to be "measurable". It is not practicable to separate product from mixture of water and product when quantity is less than 1 cup.

* Well not included in the weekly product recovery.

-- i) Monitoring did not indicate recoverable product or ii) no measurable amount of LNAPL was recovered in the absorbent pad.

a) 0.15 foot of LNAPL was detected in CW-7 during the quarterly monitoring but no recovery was done on this day; product recovery was conducted in subsequent weeks.

TABLE V
VOLATILE ORGANICS ANALYTICAL RESULTS FOR SHALLOW WELLS
HEXCEL FACILTY
LODI, NEW JERSEY

Well ID	GWQS (ug/L)	MW-8			MW-10				MW-12			MW-14	
		1988	1993	1998	1988	1993	1995	1998	1988	1993	1998	1988	1998
1,1,1-Trichloroethane	30	[illegible] J	[illegible]	--	--	--	--	--	7.5	[illegible]	16	--	--
1,1,2,2-Tetrachloroethane	1~	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	3	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethane	50~	[illegible] J	[illegible]	--	--	--	--	--	1.6 J	5	3.6	--	1.2
1,1-Dichloroethene	2	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	2	[illegible]	--	--	--	[illegible]	--	--	--	--	--	--	--
1,2-Dichloropropane	1	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	600	220	[illegible]	[illegible]	22	--	NT	--	--	--	--	--	--
1,3-Dichlorobenzene	600	--	--	--	--	--	NT	--	--	--	--	--	--
1,4-Dichlorobenzene	75	[illegible]	[illegible]	--	19	--	NT	--	--	--	--	--	--
2-Chloroethyl Vinyl Ether	100**	--	--	--	--	--	--	--	--	--	--	--	--
Benzene	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	--	--	--	--	--
Bromodichloromethane	1	--	--	--	--	--	--	--	--	--	--	--	--
Carbon Tetrachloride	2	--	--	--	--	--	--	--	2 J	--	--	--	--
Chlorobenzene	50~	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1 J	--	--	--	4.5
Chloroethane	100**	--	--	--	--	--	--	[illegible]	--	--	--	--	--
Chloroform	6	[illegible] J	--	--	--	--	--	--	--	--	--	--	--
Ethylbenzene	700	--	340	280	22 J	--	--	--	--	--	--	--	--
Methylene Chloride	3~	[illegible] B,D	--	--	[illegible] B,D	--	--	--	[illegible] B	--	--	[illegible] B	--
Tetrachloroethene	1	[illegible]	[illegible]	[illegible]	--	--	--	--	--	--	--	--	--
Toluene	1000	[illegible]	[illegible]	680	--	--	--	--	--	--	--	--	--
cis- 1,2-Dichloroethene	70~	--	[illegible]	[illegible]	--	--	--	--	--	--	--	--	4.4
trans- 1,2-Dichloroethene	100	[illegible]	--	--	18 J	--	--	--	--	--	--	--	0.3
Trichloroethene	1	[illegible] J	[illegible]	[illegible]	[illegible] J	--	--	--	--	--	--	--	--
Vinyl Chloride	5	--	[illegible]	--	--	--	--	--	--	--	--	--	[illegible]
Xylene (Total)	1000~	NT	310	--	NT	--	--	--	NT	--	--	NT	--
MTBE	70~	NT	NT	--	NT	NT	NT	--	NT	NT	--	NT	1.8
Total Targeted Volatile Organics (ug/L)***		131030	96380	31320	9787	7666	6160	6320	32.1	43	19.6	10	28.2

Refer to data qualifying notes provided at the beginning of the Volatile Organics Results section.

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TABLE V
VOLATILE ORGANICS ANALYTICAL RESULTS FOR SHALLOW WELLS
HEXCEL FACILTY
LODI, NEW JERSEY

Well ID	GWQS (ug/L)	MW-16				MW-17			MW-20		
		1988	1993	1995	1998	1989	1993	1998	1990	1993	1998
1,1,1-Trichloroethane	30	--	--	--	--	--	[redacted]	[redacted]	5 J	--	--
1,1,2,2-Tetrachloroethane	1~	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	3	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethane	50~	6.7	6	4.3	2.4	[redacted]	[redacted]	[redacted]	--	--	--
1,1-Dichloroethene	2	--	--	--	--	[redacted]	[redacted]	--	--	--	--
1,2-Dichloroethane	2	--	--	--	--	[redacted]	[redacted]	--	--	--	--
1,2-Dichloropropane	1	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	600	2.2 J	2.5	NT	--	[redacted] *	[redacted]	--	3 J	--	--
1,3-Dichlorobenzene	600	--	--	NT	--	310	100	--	--	--	--
1,4-Dichlorobenzene	75	--	--	NT	--		[redacted]	--	--	--	--
2-Chloroethyl Vinyl Ether	100**	--	--	--	--	--	--	--	--	--	--
Benzene	1	[redacted] J	[redacted]	[redacted]	[redacted]	--	[redacted]	--	--	--	--
Bromodichloromethane	1	--	--	--	--	--	--	--	--	--	--
Carbon Tetrachloride	2	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	50~	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	--	--	--	--
Chloroethane	100**	--	--	--	--	--	--	--	--	--	--
Chloroform	6	4 J	--	--	--	--	--	--	4 J	--	0.3
Ethylbenzene	700	3 J	3.6	2.6	1.7	420	15	--	--	--	--
Methylene Chloride	3~	[redacted] B	--	--	--	[redacted]	[redacted]	[redacted]	[redacted]	--	--
Tetrachloroethene	1	[redacted] J	--	--	--	[redacted]	[redacted]	[redacted]	[redacted]	--	0.6
Toluene	1000	180	10	7.9	2.5	[redacted]	360	--	--	1.2	--
cis- 1,2-Dichloroethene	70~	--	32	19	18	[redacted] ^	[redacted]	[redacted]	NT	--	0.5 J
trans- 1,2-Dichloroethene	100	[redacted]	1.3	1.4	0.9		61	--	5.2	--	--
Trichloroethene	1	[redacted]	--	--	--	[redacted]	[redacted]	[redacted]	[redacted]	--	[redacted]
Vinyl Chloride	5	[redacted]	[redacted]	[redacted]	[redacted]	--	--	--	--	--	--
Xylene (Total)	1000~	NT	3	3.1	0.7 J	NT	140	--	--	--	--
MTBE	70~	NT	NT	NT	--	NT	NT	--	NT	NT	1
Total Targeted Volatile Organics (ug/L)***		509.2	170.1	108.7	87.8	844920	52021	244200	169.8	1.2	3.6

Refer to data qualifying notes provided at the beginning of the Volatile Organics Results section.

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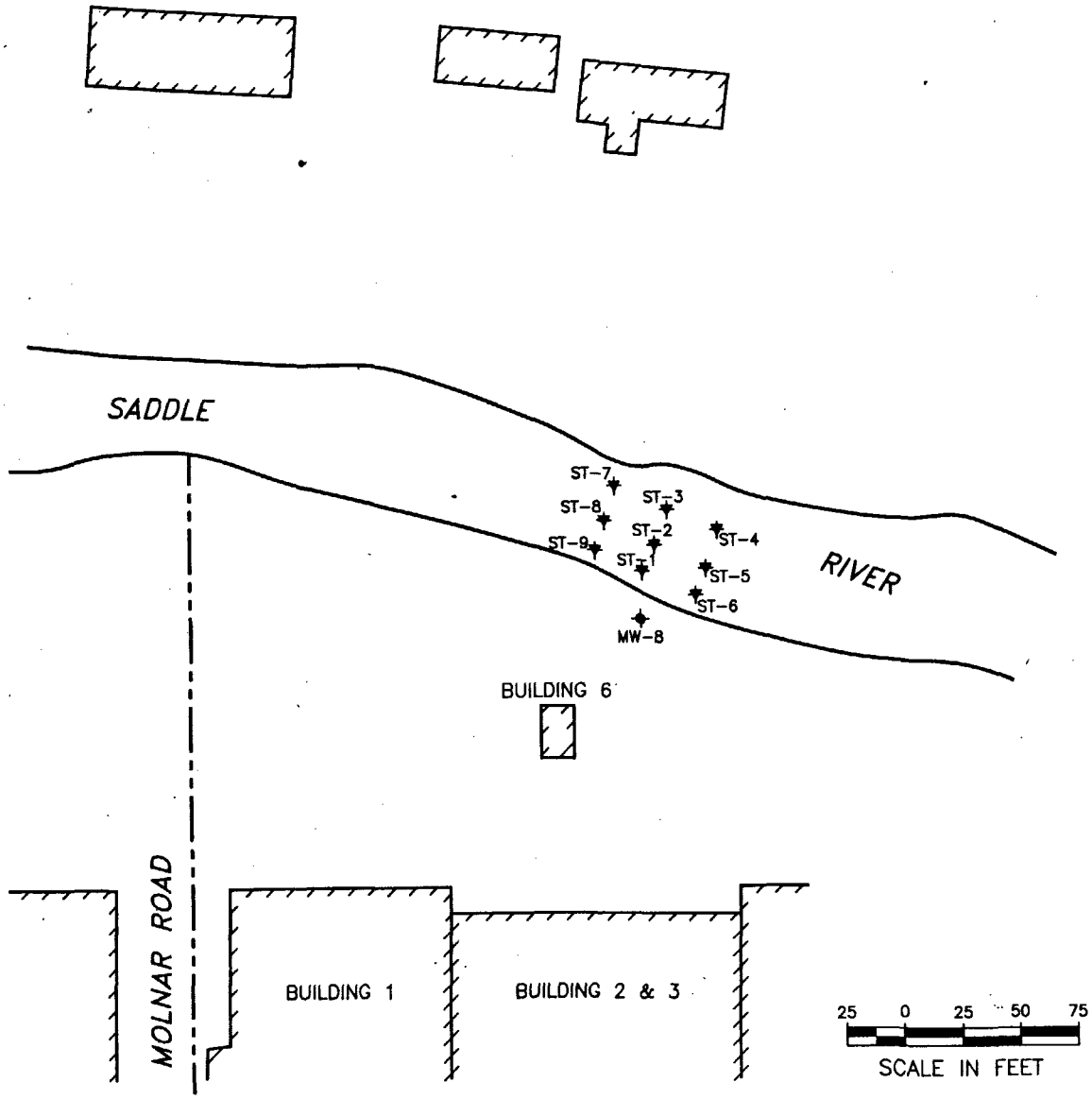
Appendix F

Figure 3: Stream-boring Location Plan

Analytical Results Provided by Army Corps



LEGEND

- STREAM BORING
- MONITOR WELL
- PROPERTY LINE

NOTES:

1. BASE PLAN TAKEN FROM PLATE No. 2 OF DELINEATION OF FLOODWAY AND FLOOD HAZARD AREA, SADDLE RIVER, BY THE STATE OF NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION, DIVISION OF WATER RESOURCES, DATED 2/86.

HALEY & ALDRICH
UNDERGROUND ENGINEERING & ENVIRONMENTAL SOLUTIONS

FORMER HEXCEL FACILITY
LODI, NEW JERSEY

STREAM-BORING LOCATION PLAN

SCALE: AS SHOWN

OCTOBER 1998

882270045

FILE: STBORING.DWG 74167-001

FIGURE 3

The following pages are part of the draft report provided by the U.S. Army Corps of Engineers. Excerpts from the draft report were provided to the NJDEP previously as Appendix E of the October 1995 Progress Report. The analytical results tables are being re-submitted on NJDEP's request.

WESTON
MANAGERS DESIGNERS/CONSULTANTS

APPENDIX D

SUMMARY DATA TABLES OF THE ANALYTICAL RESULTS

DRAFT

TABLE C-1
VOLATILE ORGANIC COMPOUNDS
GROUNDWATER AND SURFACE WATER SAMPLES

SAMPLE ID	VOLATILE ORGANIC COMPOUNDS (ug/L)																
	Chloro-methane	Bromo-methane	Vinyl Chloride	Chloroethane	Methylene Chloride	Acetone	Carbon Disulfide	1,1 -Dichloro-ethene	1,1 -Dichloro-ethane	1,2 -Dichloro-ethene (total)	Chloroform	1,2 -Dichloro-ethane	2 -Butanone	1,1,1 -Tri-chloroethane	Carbon Tetrachloride	Vinyl Acetate	Bromodi-chloromethane
MW01-GW-R01	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
MW03-GW-R01	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
MW03-GW-D01	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
MW04-GW-R01	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
MW05-GW-R01	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
MW06-GW-R01	BRL	BRL	68	BRL	BRL	BRL	BRL	BRL	5	10	BRL	BRL	BRL	BRL	BRL	BRL	BRL
MW07-GW-R01	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
MW08-GW-R01	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	3 J (5)	BRL	BRL	BRL	BRL	BRL	BRL	BRL
MW08-GW-FB01	BRL	BRL	BRL	BRL	BRL	44	BRL	BRL	BRL	BRL	4 J (5)	BRL	BRL	BRL	BRL	BRL	BRL
MW04-GW-FB01	BRL	BRL	BRL	BRL	BRL	38	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
MW08-GW-TB01	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
MW04-GW-TB01	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
SW01-SW-R01	BRL	BRL	BRL	BRL	BRL	41	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
SW02-SW-R01	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
SW03-SW-R01	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
SW03-SW-TB01	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL

BRL - Below Reporting Limit
J - Result is an estimated value below the reporting limit (reporting limit follows in parenthesis)

TABLE C-1
VOLATILE ORGANIC COMPOUNDS
GROUNDWATER AND SURFACE WATER SAMPLES

SAMPLE ID	VOLATILE ORGANIC COMPOUNDS (ug/L)																
	1,2 -Di-chloropropane	cis -1,3 -Di-chloropropene	Trichloro-ethene	Dibromo-chloromethane	1,1,2 -Tri-chloroethane	Benzene	trans -1,3 -Di-chloropropene	Bromoform	4- Methyl-2- pentanone	2- Hexanone	Tetrachloro-ethene	1,1,2,2 -Tetra-chloroethane	Toluene	Chloro-benzene	Ethyl-benzene	Styrene	Xylene (total)
MW01-GW-R01	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
MW03-GW-R01	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
MW03-GW-D01	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
MW04-GW-R01	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	4 J (5)	BRL	BRL	BRL	BRL	BRL	BRL
MW05-GW-R01	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
MW06-GW-R01	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	21	BRL	BRL	BRL
MW07-GW-R01	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
MW08-GW-R01	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
MW08-GW-FB01	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
MW04-GW-FB01	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
MW08-GW-TB01	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
MW04-GW-TB01	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
SW01-SW-R01	BRL	BRL	2 J (5)	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
SW02-SW-R01	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
SW03-SW-R01	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
SW03-SW-TB01	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL

BRL - Below Reporting Limit
J - Result is an estimated value below the reporting limit (reporting limit follows in parenthesis)

TABLE C-2
SEMIVOLATILE ORGANIC COMPOUNDS
GROUNDWATER AND SURFACE WATER SAMPLES

SAMPLE ID	SEMIVOLATILE ORGANIC COMPOUNDS (ug/L)																
	Phenol	bis (2 -Chloro-ethyl) ether	2 -Chloro-phenol	1,3 -Dichloro-benzene	1,4 -Dichloro-benzene	Benzyl alcohol	1,2 -Dichloro-benzene	2 -Methyl-phenol	bis (2 -Chloro-Isopropyl) ether	4 -Methyl-phenol	N -Nitroso-Di-n-propylamine	Hexachloro-ethane	Nitrobenzene	Isophorone	2 -Nitro-phenol	2,4 -Dimethyl-phenol	Benzoic acid
MW01-GW-R01	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
MW03-GW-R01	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
MW03-GW-D01	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
MW04-GW-R01	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
MW05-GW-R01	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
MW06-GW-R01	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
MW07-GW-R01	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
MW08-GW-R01	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
MW08-GW-FB01	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
MW04-GW-FB01	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
SW01-SW-R01	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
SW02-SW-R01	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
SW03-SW-R01	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL

BRL - Below Reporting Limit
J - Result is an estimated value below the reporting limit (reporting limit follows in parenthesis)

TABLE C-2
SEMIVOLATILE ORGANIC COMPOUNDS
GROUNDWATER AND SURFACE WATER SAMPLES

SAMPLE ID	SEMIVOLATILE ORGANIC COMPOUNDS (ug/L)															
	bis (2 -Chloro-ethoxy) methane	2,4 -Dichloro-phenol	1,2,4 -Tri-chlorobenzene	Naphthalene	4 -Chloro-aniline	Hexachloro-butadiene	4 -Chloro -3-methylphenol	2 -Methyl-naphthalene	Hexachloro-cyclopentadiene	2,4,6 -Tri-chlorophenol	2,4,5 -Tri-chlorophenol	2 -Chloro-naphthalene	2 -Nitro-aniline	Dimethyl-phthalate	Acenaphthylene	2,6 -Di-nitrotoluene
MW01-GW-R01	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
MW03-GW-R01	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
MW03-GW-D01	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
MW04-GW-R01	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
MW05-GW-R01	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
MW06-GW-R01	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
MW07-GW-R01	BRL	BRL	BRL	1 J (10)	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
MW08-GW-R01	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
MW08-GW-FB01	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
MW04-GW-FB01	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
SW01-SW-R01	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
SW02-SW-R01	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
SW03-SW-R01	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL

BRL - Below Reporting Limit
J - Result is an estimated value below the reporting limit (reporting limit follows in parenthesis)

TABLE C-3
PESTICIDES, PCBs, AND HERBICIDES
GROUNDWATER AND SURFACE WATER SAMPLES

SAMPLE ID	PESTICIDES (ug/L)															
	Alpha-BHC	Beta-BHC	Delta-BHC	gamma-BHC (Lindane)	Heptachlor	Aldrin	Heptachlor epoxide	Endosulfan I	Dieldrin	4,4' -DDE	Endrin	Endosulfan II	4,4' -DDD	Endosulfan sulfate	4,4' -DDT	Methoxychlor
MW01-GW-R01	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
MW03-GW-R01	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
MW03-GW-D01	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
MW04-GW-R01	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
MW05-GW-R01	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
MW06-GW-R01	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
MW07-GW-R01	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
MW08-GW-R01	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
MW08-GW-FB01	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
MW04-GW-FB01	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
SW01-SW-R01	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
SW02-SW-R01	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
SW03-SW-R01	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL

BRL - Below Reporting Limit

TABLE C-3

PESTICIDES, PCBs, AND HERBICIDES
GROUNDWATER AND SURFACE WATER SAMPLES

SAMPLE ID	PESTICIDES (ug/L)				PCBs (ug/L)							HERBICIDES (ug/L)	
	Endrin ketone	alpha-Chlordane	gamma-Chlordane	Toxaphene	Aroclor - 1016	Aroclor - 1221	Aroclor - 1232	Aroclor - 1242	Aroclor - 1248	Aroclor - 1254	Aroclor - 1260	2,4,5 -TP	2,4 -D
MW01-GW-R01	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
MW03-GW-R01	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
MW03-GW-D01	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
MW04-GW-R01	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
MW05-GW-R01	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
MW06-GW-R01	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
MW07-GW-R01	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
MW08-GW-R01	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
MW08-GW-FB01	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
MW04-GW-FB01	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
SW01-SW-R01	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
SW02-SW-R01	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
SW03-SW-R01	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL

BRL - Below Reporting Limit

TABLE C-4

METALS AND CYANIDE
GROUNDWATER AND SURFACE WATER SAMPLES

SAMPLE ID	TOTAL METALS AND CYANIDE (mg/L)																							
	Ag	Al	As	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	Hg	K	Mg	Mn	Na	Ni	Pb	Sb	Se	Tl	V	Zn	CN (Total)
MW01-GW-R01	0.030 U	23.5	0.0032	0.48	0.0050 U	184	0.010 U	0.022	0.043	0.053	50.4	0.00020 U	10.9	26.2	2.3	53.3	0.044	0.027	0.10 U	0.0020 U	0.0020 U	0.061	0.12	0.010 U
MW03-GW-R01	0.030 U	0.20 U	0.0020 U	0.31	0.0050 U	53.0	0.010 U	0.020 U	0.020 U	0.020 U	6.6	0.00020 U	4.1	10.4	1.7	71.0	0.020 U	0.0020 U	0.10 U	0.0020 U	0.0020 U	0.010 U	0.019	0.0050 U
MW03-GW-D01	0.030 U	0.20 U	0.0020 U	0.31	0.0050 U	52.9	0.010 U	0.020 U	0.020 U	0.020 U	6.5	0.00020 U	4.1	10.5	1.7	71.2	0.020 U	0.0021	0.10 U	0.0020 U	0.0020 U	0.010 U	0.018	0.0050 U
MW04-GW-R01	0.030 U	0.26	0.0020 U	0.070	0.0050 U	60.4	0.010 U	0.020 U	0.020 U	0.020 U	0.46	0.00020 U	2.0 U	13.4	0.15	30.1	0.020 U	0.0025	0.10 U	0.010 U	0.0020 U	0.010 U	0.010 U	0.0050 U
MW05-GW-R01	0.030 U	1.4	0.0076	1.2	0.0050 U	438	0.010 U	0.020 U	0.020 U	0.021	57.2	0.00020 U	83.1	32.2	12.7	2740	0.020 U	0.027	0.10 U	0.010 U	0.0020 U	0.010 U	0.029	0.0087
MW06-GW-R01	0.030 U	0.40	0.018	0.18	0.0050 U	84.1	0.010 U	0.020 U	0.020 U	0.020 U	16.3	0.00020 U	5.2	17.1	2.2	30.8	0.020 U	0.0050	0.10 U	0.0020 U	0.0020 U	0.010 U	0.010 U	0.0050 U
MW07-GW-R01	0.030 U	0.57	0.0020 U	0.11	0.0050 U	58.2	0.010 U	0.020 U	0.020 U	0.020 U	4.7	0.00020 U	7.3	6.2	1.1	38.3	0.020 U	0.013	0.10 U	0.0020 U	0.0020 U	0.058	0.016	0.013
MW08-GW-R01	0.030 U	24.0	0.0042	0.55	0.0050 U	90.0	0.010 U	0.020 U	0.059	0.072	44.4	0.00020 U	10.9	26.3	2.4	31.3	0.033	0.033	0.10 U	0.0020 U	0.0020 U	0.050	0.14	0.0050 U
MW08-GW-FB01	0.030 U	0.20 U	0.0020 U	0.050 U	0.0050 U	0.11	0.010 U	0.020 U	0.020 U	0.020 U	0.044	0.00020 U	2.0 U	0.20 U	0.010 U	0.20 U	0.020 U	0.0047	0.10 U	0.0020 U	0.0020 U	0.010 U	0.010 U	0.0050
MW04-GW-FB01	0.030 U	0.20 U	0.0020 U	0.050 U	0.0050 U	0.12	0.010 U	0.020 U	0.020 U	0.020 U	0.030	0.00020 U	2.0 U	0.20 U	0.010 U	0.31	0.020 U	0.0020 U	0.10 U	0.0020 U	0.0020 U	0.010 U	0.010 U	0.0050 U
SW01-SW-R01	0.030 U	0.20 U	0.0021	0.16	0.0050 U	68.9	0.010 U	0.020 U	0.020 U	0.020 U	0.54	0.00020 U	2.6	16.2	0.30	34.5	0.020 U	0.0020 U	0.10 U	0.0020 U	0.0020 U	0.010 U	0.021	0.0050 U
SW02-SW-R01	0.030 U	0.20 U	0.0020 U	0.11	0.0050 U	56.3	0.010 U	0.020 U	0.020 U	0.020 U	0.36	0.00020 U	2.0 U	7.7	0.064	26.6	0.020 U	0.0036	0.10 U	0.0020 U	0.0020 U	0.010 U	0.011	0.0050 U
SW03-SW-R01	0.030 U	0.20 U	0.0020 U	0.079	0.0050 U	75.4	0.010 U	0.020 U	0.020 U	0.020 U	0.51	0.00020 U	2.8	16.7	0.12	46.1	0.020 U	0.025	0.10 U	0.0020 U	0.0020 U	0.010 U	0.013	0.010 U

U - Compound was not detected at or above the reporting limit

882270054

Appendix G

Schedule Estimates

Table XI: Estimated Schedule of Remaining Remedial Activities

TABLE XI
ESTIMATED SCHEDULE OF REMAINING REMEDIAL ACTIVITIES
HEXCEL FACILITY
LODI, NEW JERSEY

TASK DESCRIPTION	1998											
	1	2	3	4	5	6	7	8	9	10	11	12
GROUNDWATER REMEDIATION												
DNAPL/LNAPL recovery (temporary)												
Recover water from basement of Bldg. 1												
Specs for demolition & select contractor												
Demolish bldgs & dispose debris & waste												
Collect, analyze & evaluate groundwater samples												
Collect, analyze & evaluate surface water samples**												
Reevaluate groundwater remedial plans												
Implement remedial plan												
CLEANING OF SEWER LINE												
Cleanout/abandonment of sewer line *												
Collect samples (and lab. analysis) *												
Disposal of sludge/debris *												
SOIL REMEDIATION												
Reevaluate soil data and remedial plans												
Prepare 2-Phase pilot test air permit application												
New Source Review permit approval process												
Perform 2-Phase pilot test ***												
SEDIMENT SAMPLING												
Reevaluate sediment results												
Trace source of outfall *												
REPORTING												
Meet with NJDEP to propose remedial plan												
Prepare comprehensive remedial plan (RAW Addendum)												
NJDEP review of remedial plan												
Prepare quarterly progress reports												
Prepare final report *												
NJDEP review and site inspection *												
Case closure *												

* Timing to be estimated within comprehensive remedial plan.

** To be initiated upon NJDEP response to proposal in July progress report.

*** Assumes timely review and approval of pilot test permit by NJDEP Bureau of New Source Review.

TABLE XI
ESTIMATED SCHEDULE OF REMAINING REMEDIAL ACTIVITIES
HEXCEL FACILITY
LODI, NEW JERSEY

TASK DESCRIPTION	1999											
	1	2	3	4	5	6	7	8	9	10	11	12
GROUNDWATER REMEDIATION												
DNAPL/LNAPL recovery (temporary)	■	■	■	■	■	■						
Recover water from basement of Bldg. 1												
Specs for demolition & select contractor												
Demolish bldgs & dispose debris & waste	■											
Collect, analyze & evaluate groundwater samples												
Collect, analyze & evaluate surface water samples**												
Reevaluate groundwater remedial plans												
Implement remedial plan							■	■	■	■	■	■
CLEANING OF SEWER LINE												
Cleanout/abandonment of sewer line *												
Collect samples (and lab. analysis) *												
Disposal of sludge/debris *												
SOIL REMEDIATION												
Reevaluate soil data and remedial plans												
Prepare 2-Phase pilot test air permit application												
New Source Review permit approval process												
Perform 2-Phase pilot test ***												
SEDIMENT SAMPLING												
Reevaluate sediment results												
Trace source of outfall *												
REPORTING												
Meet with NJDEP to propose remedial plan												
Prepare comprehensive remedial plan (RAW Addendum)	■	■	■									
NJDEP review of remedial plan				■	■	■						
Prepare quarterly progress reports	■			■			■			■		
Prepare final report *												
NJDEP review and site inspection *												
Case closure *												

* Timing to be estimated within comprehensive remedial plan.

** To be initiated upon NJDEP response to proposal in July progress report.

*** Assumes timely review and approval of pilot test permit by NJDEP Bureau of New Source Review.

ENVIROTECH RESEARCH, INC.

777 New Durham Road
Edison, New Jersey 08817
Tel: (732) 549-3900
Fax: (732) 549-3679
www.enviro-lab.com

August 20, 1998

Haley & Aldrich, Inc.
150 Mineral Springs Drive
Dover, NJ 07801

Attention: Ms. Sunila Gupta

Re: Job No. F990 - Hexcel/Lodi, Wells

Dear Ms. Gupta:

Enclosed are the results you requested for the following sample(s) received at our laboratory on July 31, 1998:

Lab No.	Client ID	Analysis Required
74983	MW-12	PP VOA+10 w/MTBE&TBA, PCBs
74984	MW-13	PP VOA+10 w/MTBE&TBA, PCBs
74985	MW-28	PP VOA+10 w/MTBE&TBA, PCBs
74986	MW-6	PP VOA+10 w/MTBE&TBA, PCBs
74987	MW-7	PP VOA+10 w/MTBE&TBA, PCBs
74988	MW-8	PP VOA+10 w/MTBE&TBA, PCBs
74989	MW-9	PP VOA+10 w/MTBE&TBA, PCBs
74990	MW-16	PP VOA+10 w/MTBE&TBA, PCBs
74991	MW-3	PP VOA+10 w/MTBE&TBA, PCBs
74992	MW-2	PP VOA+10 w/MTBE&TBA, PCBs
74993	Dup-2	PP VOA+10 w/MTBE&TBA, PCBs
74994	Field_Blank	PP VOA+10 w/MTBE&TBA, PCBs

An invoice for our services is also enclosed. If you have any questions please contact your Project Manager, Bianca Buckwalter, at (732) 549-3900.

Very truly yours,

Michael J. Urban
Laboratory Manager

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ENVIROTECH RESEARCH, INC.

Client ID: **MW-12**
Site: Hexcel/Lodi, Wells

Lab Sample No: **74983**
Lab Job No: F990

Date Sampled: 07/31/98
Date Received: 07/31/98
Date Analyzed: 08/09/98
HT OK
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v3571.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
METHOD 624

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
Chloromethane	ND	0.9
Bromomethane	ND	0.3
Vinyl Chloride	ND	0.4
Chloroethane	ND	1.0
Methylene Chloride	ND	1.0
Trichlorofluoromethane	ND	0.2
1,1-Dichloroethene	ND	0.6
1,1-Dichloroethane	3.6	0.3
trans-1,2-Dichloroethene	ND	0.3
cis-1,2-Dichloroethene	ND	1.0
Chloroform	ND	0.2
1,2-Dichloroethane	ND	0.2
1,1,1-Trichloroethane	16	0.2
Carbon Tetrachloride	ND	0.2
Bromodichloromethane	ND	0.2
1,2-Dichloropropane	ND	0.5
cis-1,3-Dichloropropene	ND	0.3
Trichloroethene	ND	0.4
Dibromochloromethane	ND	0.2
1,1,2-Trichloroethane	ND	0.4
Benzene	ND	0.2
trans-1,3-Dichloropropene	ND	0.3
2-Chloroethyl Vinyl Ether	ND	0.5
Bromoform	ND	0.3
Tetrachloroethene	ND	0.1
1,1,2,2-Tetrachloroethane	ND	0.3
Toluene	ND	0.2
Chlorobenzene	ND	0.1
Ethylbenzene	ND	0.2
Xylene (Total)	ND	1.0
TBA	ND	100
MTBE	ND	1.0

882270060

ENVIROTECH RESEARCH, INC.

Client ID: **MW-12**
Site: Hexcel/Lodi, Wells

Lab Sample No: **74983**
Lab Job No: F990

Date Sampled: 07/31/98
Date Received: 07/31/98
Date Analyzed: 08/09/98
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v3571.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 624

COMPOUND NAME	RT	EST. CONC. ug/l	Q
1. NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
13.			
14.			
15.			
16.			
17.			
18.			
19.			
20.			
21.			
22.			
23.			
24.			
25.			
26.			
27.			
28.			
29.			
30.			

TOTAL ESTIMATED CONCENTRATION 0.0

ENVIROTECH RESEARCH, INC.

Client ID: **MW-12**
Site: Hexcel/Lodi, Wells

Lab Sample ID: **74983**
Lab Job No: F990

Date Sampled: 07/31/98
Date Received: 07/31/98
Date Extracted: 08/07/98
Date Analyzed: 08/13/98
GC Column: DB-608
Instrument ID: PESTGC6.i

7 days
ok

Matrix: WATER
Sample Volume: 990 ml
Extract Final Volume: 5.0 ml
Dilution Factor: 1.0
Lab File ID: nr002532.d

ORGANOCHLORINE PCBs - GC/ECD
METHOD 608 only aqueous

Parameter	Analytical Results Units: ug/l	Method Detection Limit Units: ug/l
Aroclor-1016	ND	0.30
Aroclor-1221	ND	0.40
Aroclor-1232	ND	0.30
Aroclor-1242	ND	0.30
Aroclor-1248	ND	0.30
Aroclor-1254	ND	0.40
Aroclor-1260	ND	0.20
Aroclor-1262	ND	0.20
Aroclor-1268	ND	0.20

ENVIROTECH RESEARCH, INC.

Client ID: **MW-13**
Site: Hexcel/Lodi, Wells

Lab Sample No: **74984**
Lab Job No: F990

Date Sampled: 07/31/98
Date Received: 07/31/98
Date Analyzed: 08/09/98
ok
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v3572.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
METHOD 624

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
Chloromethane	ND	0.9
Bromomethane	ND	0.3
Vinyl Chloride	ND	0.4
Chloroethane	ND	1.0
Methylene Chloride	ND	1.0
Trichlorofluoromethane	ND	0.2
1,1-Dichloroethene	ND	0.6
1,1-Dichloroethane	ND	0.3
trans-1,2-Dichloroethene	ND	0.3
cis-1,2-Dichloroethene	8.3	1.0
Chloroform	5.3	0.2
1,2-Dichloroethane	ND	0.2
1,1,1-Trichloroethane	ND	0.2
Carbon Tetrachloride	ND	0.2
Bromodichloromethane	ND	0.2
1,2-Dichloropropane	ND	0.5
cis-1,3-Dichloropropene	ND	0.3
Trichloroethene	5.9	0.4
Dibromochloromethane	ND	0.2
1,1,2-Trichloroethane	ND	0.4
Benzene	ND	0.2
trans-1,3-Dichloropropene	ND	0.3
2-Chloroethyl Vinyl Ether	ND	0.5
Bromoform	ND	0.3
Tetrachloroethene	3.9	0.1
1,1,2,2-Tetrachloroethane	ND	0.3
Toluene	ND	0.2
Chlorobenzene	ND	0.1
Ethylbenzene	ND	0.2
Xylene (Total)	ND	1.0
TBA	ND	100
MTBE	ND	1.0

ENVIROTECH RESEARCH, INC.

Client ID: **MW-13**
Site: Hexcel/Lodi, Wells

Lab Sample No: **74984**
Lab Job No: F990

Date Sampled: 07/31/98
Date Received: 07/31/98
Date Analyzed: 08/09/98
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v3572.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 624

COMPOUND NAME	RT	EST. CONC. ug/l	Q
1. NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.			
3.			
4.			
5.			
6.			
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8.			
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TOTAL ESTIMATED CONCENTRATION 0.0

ENVIROTECH RESEARCH, INC.

Client ID: **MW-13**
Site: Hexcel/Lodi, Wells

Lab Sample ID: **74984**
Lab Job No: F990

Date Sampled: 07/31/98
Date Received: 07/31/98
Date Extracted: 08/07/98
Date Analyzed: 08/13/98
GC Column: DB-608
Instrument ID: PESTGC6.i

Matrix: WATER
Sample Volume: 980 ml
Extract Final Volume: 5.0 ml
Dilution Factor: 1.0
Lab File ID: nr002564.d

ORGANOCHLORINE PCBs - GC/ECD
METHOD 608

Parameter	Analytical Results Units: ug/l	Method Detection Limit Units: ug/l
Aroclor-1016	ND	0.30
Aroclor-1221	ND	0.40
Aroclor-1232	ND	0.30
Aroclor-1242	ND	0.30
Aroclor-1248	ND	0.30
Aroclor-1254	ND	0.40
Aroclor-1260	ND	0.20
Aroclor-1262	ND	0.20
Aroclor-1268	ND	0.20

ENVIROTECH RESEARCH, INC.

Client ID: **MW-28**
Site: Hexcel/Lodi, Wells

Lab Sample No: **74985**
Lab Job No: F990

Date Sampled: 07/31/98
Date Received: 07/31/98 ok
Date Analyzed: 08/09/98
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v3573.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 10.0

VOLATILE ORGANICS - GC/MS
METHOD 624

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
Chloromethane	ND	9.3
Bromomethane	ND	2.7
Vinyl Chloride	6.0	3.9
Chloroethane	ND	10
Methylene Chloride	ND	10
Trichlorofluoromethane	ND	2.3
1,1-Dichloroethene	ND	5.5
1,1-Dichloroethane	ND	3.1
trans-1,2-Dichloroethene	ND	3.0
cis-1,2-Dichloroethene	ND	10
Chloroform	ND	2.0
1,2-Dichloroethane	ND	2.2
1,1,1-Trichloroethane	ND	2.0
Carbon Tetrachloride	ND	1.6
Bromodichloromethane	ND	1.9
1,2-Dichloropropane	ND	4.6
cis-1,3-Dichloropropene	ND	3.3
Trichloroethene	ND	4.1
Dibromochloromethane	ND	2.3
1,1,2-Trichloroethane	ND	4.3
Benzene	140	2.4
trans-1,3-Dichloropropene	ND	3.1
2-Chloroethyl Vinyl Ether	ND	4.6
Bromoform	ND	3.0
Tetrachloroethene	ND	1.0
1,1,2,2-Tetrachloroethane	ND	3.3
Toluene	ND	1.8
Chlorobenzene	1300	1.4
Ethylbenzene	ND	2.4
Xylene (Total)	ND	10
TBA	ND	1000
MTBE	ND	10

ENVIROTECH RESEARCH, INC.

Client ID: **MW-28**
Site: Hexcel/Lodi, Wells

Lab Sample No: **74985**
Lab Job No: F990

Date Sampled: 07/31/98
Date Received: 07/31/98
Date Analyzed: 08/09/98
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v3573.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 10.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 624

COMPOUND NAME	RT	EST. CONC. ug/l	Q
1. NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.			
3.			
4.			
5.			
6.			
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TOTAL ESTIMATED CONCENTRATION	0.0

ENVIROTECH RESEARCH, INC.

Client ID: **MW-28**
Site: Hexcel/Lodi, Wells

Lab Sample ID: **74985**
Lab Job No: F990

Date Sampled: 07/31/98
Date Received: 07/31/98
Date Extracted: 08/07/98
Date Analyzed: 08/13/98
GC Column: DB-608
Instrument ID: PESTGC6.i

Matrix: WATER
Sample Volume: 980 ml
Extract Final Volume: 5.0 ml
Dilution Factor: 1.0
Lab File ID: nr002565.d

ORGANOCHLORINE PCBs - GC/ECD
METHOD 608

Parameter	Analytical Results Units: ug/l	Method Detection Limit Units: ug/l
Aroclor-1016	ND	0.30
Aroclor-1221	ND	0.40
Aroclor-1232	ND	0.30
Aroclor-1242	ND	0.30
Aroclor-1248	0.30	0.30
Aroclor-1254	ND	0.40
Aroclor-1260	ND	0.20
Aroclor-1262	ND	0.20
Aroclor-1268	ND	0.20

ENVIROTECH RESEARCH, INC.

Client ID: **MW-6**
Site: Hexcel/Lodi, Wells

Lab Sample No: **74986**
Lab Job No: F990

Date Sampled: 07/31/98
Date Received: 07/31/98 ok
Date Analyzed: 08/09/98
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v3574.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 50.0

VOLATILE ORGANICS - GC/MS
METHOD 624

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
Chloromethane	ND	46
Bromomethane	ND	14
Vinyl Chloride	ND	20
Chloroethane	ND	52
Methylene Chloride	360	52
Trichlorofluoromethane	ND	12
1,1-Dichloroethene	ND	28
1,1-Dichloroethane	ND	16
trans-1,2-Dichloroethene	ND	15
cis-1,2-Dichloroethene	57	50
Chloroform	18	10
1,2-Dichloroethane	1000	11
1,1,1-Trichloroethane	190	10
Carbon Tetrachloride	ND	8.0
Bromodichloromethane	ND	9.5
1,2-Dichloropropane	ND	23
cis-1,3-Dichloropropene	ND	16
Trichloroethene	460	20
Dibromochloromethane	ND	12
1,1,2-Trichloroethane	ND	22
Benzene	1100	12
trans-1,3-Dichloropropene	ND	16
2-Chloroethyl Vinyl Ether	ND	23
Bromoform	ND	15
Tetrachloroethene	710	5.0
1,1,2,2-Tetrachloroethane	ND	16
Toluene	160	9.0
Chlorobenzene	7800	7.0
Ethylbenzene	28	12
Xylene (Total)	ND	50
TBA	ND	5000
MTBE	ND	50

ENVIROTECH RESEARCH, INC.

Client ID: **MW-6**
Site: Hexcel/Lodi, Wells

Lab Sample No: **74986**
Lab Job No: F990

Date Sampled: 07/31/98
Date Received: 07/31/98
Date Analyzed: 08/09/98
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v3574.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 50.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 624

COMPOUND NAME	RT	EST. CONC. ug/l	Q
1. NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
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27.			
28.			
29.			
30.			

TOTAL ESTIMATED CONCENTRATION	0.0

ENVIROTECH RESEARCH, INC.

Client ID: **MW-6**
Site: Hexcel/Lodi, Wells

Lab Sample ID: **74986**
Lab Job No: F990

Date Sampled: 07/31/98
Date Received: 07/31/98
Date Extracted: 08/07/98
Date Analyzed: 08/14/98
GC Column: DB-608
Instrument ID: PESTGC6.i

Matrix: WATER
Sample Volume: 990 ml
Extract Final Volume: 5.0 ml
Dilution Factor: 5.0
Lab File ID: nr002587.d

ORGANOCHLORINE PCBs - GC/ECD
METHOD 608

Parameter	Analytical Results Units: ug/l	Method Detection Limit Units: ug/l
Aroclor-1016	ND	1.5
Aroclor-1221	ND	2.0
Aroclor-1232	ND	1.5
Aroclor-1242	42	1.5
Aroclor-1248	ND	1.5
Aroclor-1254	ND	2.0
Aroclor-1260	ND	1.0
Aroclor-1262	ND	1.0
Aroclor-1268	ND	1.0

ENVIROTECH RESEARCH, INC.

Client ID: **MW-7**
Site: Hexcel/Lodi, Wells

Lab Sample No: **74987**
Lab Job No: F990

Date Sampled: 07/31/98
Date Received: 07/31/98 OK
Date Analyzed: 08/09/98
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v3577.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
METHOD 624

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
Chloromethane	ND	0.9
Bromomethane	ND	0.3
Vinyl Chloride	ND	0.4
Chloroethane	ND	1.0
Methylene Chloride	ND	1.0
Trichlorofluoromethane	ND	0.2
1,1-Dichloroethene	ND	0.6
1,1-Dichloroethane	ND	0.3
trans-1,2-Dichloroethene	ND	0.3
cis-1,2-Dichloroethene	9.1	1.0
Chloroform	2.8	0.2
1,2-Dichloroethane	ND	0.2
1,1,1-Trichloroethane	ND	0.2
Carbon Tetrachloride	ND	0.2
Bromodichloromethane	ND	0.2
1,2-Dichloropropane	ND	0.5
cis-1,3-Dichloropropene	ND	0.3
Trichloroethene	10	0.4
Dibromochloromethane	ND	0.2
1,1,2-Trichloroethane	ND	0.4
Benzene	ND	0.2
trans-1,3-Dichloropropene	ND	0.3
2-Chloroethyl Vinyl Ether	ND	0.5
Bromoform	ND	0.3
Tetrachloroethene	3.8	0.1
1,1,2,2-Tetrachloroethane	ND	0.3
Toluene	ND	0.2
Chlorobenzene	3.8	0.1
Ethylbenzene	ND	0.2
Xylene (Total)	ND	1.0
TBA	ND	100
MTBE	ND	1.0

ENVIROTECH RESEARCH, INC.

Client ID: **MW-7**
Site: Hexcel/Lodi, Wells

Lab Sample No: **74987**
Lab Job No: F990

Date Sampled: 07/31/98
Date Received: 07/31/98
Date Analyzed: 08/09/98
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v3577.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 624

COMPOUND NAME	RT	EST. CONC. ug/l	Q
1. NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
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29.			
30.			

TOTAL ESTIMATED CONCENTRATION 0.0

ENVIROTECH RESEARCH, INC.

Client ID: **MW-7**
Site: Hexcel/Lodi, Wells

Lab Sample ID: **74987**
Lab Job No: F990

Date Sampled: 07/31/98
Date Received: 07/31/98
Date Extracted: 08/07/98
Date Analyzed: 08/14/98
GC Column: DB-608
Instrument ID: PESTGC6.i

Matrix: WATER
Sample Volume: 990 ml
Extract Final Volume: 5.0 ml
Dilution Factor: 1.0
Lab File ID: nr002586.d

ORGANOCHLORINE PCBs - GC/ECD
METHOD 608

Parameter	Analytical Results Units: ug/l	Method Detection Limit Units: ug/l
Aroclor-1016	ND	0.30
Aroclor-1221	ND	0.40
Aroclor-1232	ND	0.30
Aroclor-1242	ND	0.30
Aroclor-1248	ND	0.30
Aroclor-1254	ND	0.40
Aroclor-1260	ND	0.20
Aroclor-1262	ND	0.20
Aroclor-1268	ND	0.20

ENVIROTECH RESEARCH, INC.

Client ID: **MW-8**
Site: Hexcel/Lodi, Wells

Lab Sample No: **74988**
Lab Job No: F990

Date Sampled: 07/31/98
Date Received: 07/31/98
Date Analyzed: 08/09/98
OK
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v3578.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 200.0

VOLATILE ORGANICS - GC/MS
METHOD 624

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
Chloromethane	ND	190
Bromomethane	ND	54
Vinyl Chloride	ND	78
Chloroethane	ND	210
Methylene Chloride	ND	210
Trichlorofluoromethane	ND	46
1,1-Dichloroethene	ND	110
1,1-Dichloroethane	ND	62
trans-1,2-Dichloroethene	ND	60
cis-1,2-Dichloroethene	1100	200
Chloroform	ND	40
1,2-Dichloroethane	ND	44
1,1,1-Trichloroethane	ND	40
Carbon Tetrachloride	ND	32
Bromodichloromethane	ND	38
1,2-Dichloropropane	ND	92
cis-1,3-Dichloropropene	ND	66
Trichloroethene	160	82
Dibromochloromethane	ND	46
1,1,2-Trichloroethane	ND	86
Benzene	2600	48
trans-1,3-Dichloropropene	ND	62
2-Chloroethyl Vinyl Ether	ND	92
Bromoform	ND	60
Tetrachloroethene	2000	20
1,1,2,2-Tetrachloroethane	ND	66
Toluene	680	36
Chlorobenzene	23000	28
Ethylbenzene	280	48
Xylene (Total)	ND	200
TBA	ND	20000
MTBE	ND	200

ENVIROTECH RESEARCH, INC.

Client ID: **MW-8**
Site: Hexcel/Lodi, Wells

Lab Sample No: **74988**
Lab Job No: F990

Date Sampled: 07/31/98
Date Received: 07/31/98
Date Analyzed: 08/09/98
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v3578.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 200.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 624

COMPOUND NAME	RT	EST. CONC. ug/l	Q
1. Benzene, 1,2-dichloro-	16.57	1500	
2.			
3.			
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TOTAL ESTIMATED CONCENTRATION		1500	

ENVIROTECH RESEARCH, INC.

Client ID: **MW-8**
Site: Hexcel/Lodi, Wells

Lab Sample ID: **74988**
Lab Job No: F990

Date Sampled: 07/31/98
Date Received: 07/31/98
Date Extracted: 08/07/98
OK
Date Analyzed: 08/14/98
GC Column: DB-608
Instrument ID: PESTGC6.i

Matrix: WATER
Sample Volume: 990 ml
Extract Final Volume: 5.0 ml
Dilution Factor: 5.0
Lab File ID: nr002588.d

ORGANOCHLORINE PCBs - GC/ECD
METHOD 608

Parameter	Analytical Results Units: ug/l	Method Detection Limit Units: ug/l
Aroclor-1016	ND	1.5
Aroclor-1221	ND	2.0
Aroclor-1232	ND	1.5
Aroclor-1242	35	1.5
Aroclor-1248	ND	1.5
Aroclor-1254	ND	2.0
Aroclor-1260	ND	1.0
Aroclor-1262	ND	1.0
Aroclor-1268	ND	1.0

ENVIROTECH RESEARCH, INC.

Client ID: **MW-9**
Site: Hexcel/Lodi, Wells

Lab Sample No: **74989**
Lab Job No: F990

Date Sampled: 07/31/98
Date Received: 07/31/98
Date Analyzed: 08/09/98
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v3579.d

OK

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
METHOD 624

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
Chloromethane	ND	0.9
Bromomethane	ND	0.3
Vinyl Chloride	ND	0.4
Chloroethane	ND	1.0
Methylene Chloride	ND	1.0
Trichlorofluoromethane	ND	0.2
1,1-Dichloroethene	ND	0.6
1,1-Dichloroethane	ND	0.3
trans-1,2-Dichloroethene	ND	0.3
cis-1,2-Dichloroethene	7.7	1.0
Chloroform	0.7	0.2
1,2-Dichloroethane	ND	0.2
1,1,1-Trichloroethane	ND	0.2
Carbon Tetrachloride	ND	0.2
Bromodichloromethane	ND	0.2
1,2-Dichloropropane	ND	0.5
cis-1,3-Dichloropropene	ND	0.3
Trichloroethene	19	0.4
Dibromochloromethane	ND	0.2
1,1,2-Trichloroethane	ND	0.4
Benzene	ND	0.2
trans-1,3-Dichloropropene	ND	0.3
2-Chloroethyl Vinyl Ether	ND	0.5
Bromoform	ND	0.3
Tetrachloroethene	4.4	0.1
1,1,2,2-Tetrachloroethane	ND	0.3
Toluene	ND	0.2
Chlorobenzene	14	0.1
Ethylbenzene	ND	0.2
Xylene (Total)	ND	1.0
TBA	ND	100
MTBE	ND	1.0

ENVIROTECH RESEARCH, INC.

Client ID: **MW-9**
Site: Hexcel/Lodi, Wells

Lab Sample No: **74989**
Lab Job No: F990

Date Sampled: 07/31/98
Date Received: 07/31/98
Date Analyzed: 08/09/98
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v3579.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 624

COMPOUND NAME	RT	EST. CONC. ug/l	Q
1. NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.			
3.			
4.			
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TOTAL ESTIMATED CONCENTRATION 0.0

ENVIROTECH RESEARCH, INC.

Client ID: **MW-9**
Site: Hexcel/Lodi, Wells

Lab Sample ID: **74989**
Lab Job No: F990

Date Sampled: 07/31/98
Date Received: 07/31/98
Date Extracted: 08/07/98
OK
Date Analyzed: 08/14/98
GC Column: DB-608
Instrument ID: PESTGC6.i

Matrix: WATER
Sample Volume: 980 ml
Extract Final Volume: 5.0 ml
Dilution Factor: 1.0
Lab File ID: nr002569.d

ORGANOCHLORINE PCBs - GC/ECD
METHOD 608

Parameter	Analytical Results Units: ug/l	Method Detection Limit Units: ug/l
Aroclor-1016	ND	0.30
Aroclor-1221	ND	0.40
Aroclor-1232	ND	0.30
Aroclor-1242	ND	0.30
Aroclor-1248	1.5	0.30
Aroclor-1254	ND	0.40
Aroclor-1260	ND	0.20
Aroclor-1262	ND	0.20
Aroclor-1268	ND	0.20

ENVIROTECH RESEARCH, INC.

Client ID: **MW-16**
Site: Hexcel/Lodi, Wells

Lab Sample No: **74990**
Lab Job No: F990

Date Sampled: 07/31/98
Date Received: 07/31/98 OK
Date Analyzed: 08/09/98
GC Column: DB624
Instrument ID: VOAMS8.i
Lab File ID: j2591.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
METHOD 624

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
Chloromethane	ND	0.9
Bromomethane	ND	0.3
Vinyl Chloride	5.6	0.4
Chloroethane	ND	1.0
Methylene Chloride	ND	1.0
Trichlorofluoromethane	ND	0.2
1,1-Dichloroethene	ND	0.6
1,1-Dichloroethane	2.4	0.3
trans-1,2-Dichloroethene	0.9	0.3
cis-1,2-Dichloroethene	18	1.0
Chloroform	ND	0.2
1,2-Dichloroethane	ND	0.2
1,1,1-Trichloroethane	ND	0.2
Carbon Tetrachloride	ND	0.2
Bromodichloromethane	ND	0.2
1,2-Dichloropropane	ND	0.5
cis-1,3-Dichloropropene	ND	0.3
Trichloroethene	ND	0.4
Dibromochloromethane	ND	0.2
1,1,2-Trichloroethane	ND	0.4
Benzene	2.0	0.2
trans-1,3-Dichloropropene	ND	0.3
2-Chloroethyl Vinyl Ether	ND	0.5
Bromoform	ND	0.3
Tetrachloroethene	ND	0.1
1,1,2,2-Tetrachloroethane	ND	0.3
Toluene	2.5	0.2
Chlorobenzene	54	0.1
Ethylbenzene	1.7	0.2
Xylene (Total)	0.7J	1.0
TBA	ND	100
MTBE	ND	1.0

ENVIROTECH RESEARCH, INC.

Client ID: **MW-16**
Site: Hexcel/Lodi, Wells

Lab Sample No: **74990**
Lab Job No: F990

Date Sampled: 07/31/98
Date Received: 07/31/98
Date Analyzed: 08/09/98
GC Column: DB624
Instrument ID: VOAMS8.i
Lab File ID: j2591.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 624

COMPOUND NAME	RT	EST. CONC. ug/l	Q
1. Unknown	11.79	4.6	
2. Ethylmethylbenzene isomer	20.88	3.6	
3. Trimethylbenzene isomer	21.07	3.3	
4. Unknown Aromatic	22.22	4.6	
5. Unknown Aromatic	23.94	27	
6.			
7.			
8.			
9.			
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11.			
12.			
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30.			

TOTAL ESTIMATED CONCENTRATION 43

ENVIROTECH RESEARCH, INC.

Client ID: **MW-16**
Site: Hexcel/Lodi, Wells

Lab Sample ID: **74990**
Lab Job No: F990

Date Sampled: 07/31/98
Date Received: 07/31/98
Date Extracted: 08/07/98
Date Analyzed: 08/14/98
GC Column: DB-608
Instrument ID: PESTGC6.i

OK

Matrix: WATER
Sample Volume: 980 ml
Extract Final Volume: 5.0 ml
Dilution Factor: 1.0
Lab File ID: nr002570.d

ORGANOCHLORINE PCBs - GC/ECD
METHOD 608

Parameter	Analytical Results Units: ug/l	Method Detection Limit Units: ug/l
Aroclor-1016	ND	0.30
Aroclor-1221	ND	0.40
Aroclor-1232	ND	0.30
Aroclor-1242	8.2	0.30
Aroclor-1248	ND	0.30
Aroclor-1254	ND	0.40
Aroclor-1260	ND	0.20
Aroclor-1262	ND	0.20
Aroclor-1268	ND	0.20

ENVIROTECH RESEARCH, INC.

Client ID: **MW-3**
Site: Hexcel/Lodi, Wells

Lab Sample No: **74991**
Lab Job No: F990

Date Sampled: 07/31/98
Date Received: 07/31/98 OK
Date Analyzed: 08/09/98
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v3581.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 5.0

VOLATILE ORGANICS - GC/MS
METHOD 624

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
Chloromethane	ND	4.6
Bromomethane	ND	1.4
Vinyl Chloride	100	2.0
Chloroethane	ND	5.2
Methylene Chloride	ND	5.2
Trichlorofluoromethane	ND	1.2
1,1-Dichloroethene	ND	2.8
1,1-Dichloroethane	2.7	1.6
trans-1,2-Dichloroethene	9.1	1.5
cis-1,2-Dichloroethene	480	5.0
Chloroform	ND	1.0
1,2-Dichloroethane	ND	1.1
1,1,1-Trichloroethane	4.5	1.0
Carbon Tetrachloride	ND	0.8
Bromodichloromethane	ND	0.9
1,2-Dichloropropane	ND	2.3
cis-1,3-Dichloropropene	ND	1.6
Trichloroethene	5.8	2.0
Dibromochloromethane	ND	1.2
1,1,2-Trichloroethane	ND	2.2
Benzene	5.3	1.2
trans-1,3-Dichloropropene	ND	1.6
2-Chloroethyl Vinyl Ether	ND	2.3
Bromoform	ND	1.5
Tetrachloroethene	17	0.5
1,1,2,2-Tetrachloroethane	ND	1.6
Toluene	ND	0.9
Chlorobenzene	280	0.7
Ethylbenzene	1.6	1.2
Xylene (Total)	ND	5.0
TBA	ND	500
MTBE	ND	5.0

ENVIROTECH RESEARCH, INC.

Client ID: **MW-3**
Site: Hexcel/Lodi, Wells

Lab Sample No: **74991**
Lab Job No: F990

Date Sampled: 07/31/98
Date Received: 07/31/98
Date Analyzed: 08/09/98
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v3581.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 5.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 624

COMPOUND NAME	RT	EST. CONC. ug/l	Q
1. Benzene, 1,3-dichloro-	16.07	18	
2. Benzene, 1,4-dichloro-	16.16	69	
3. Benzene, 1,2-dichloro-	16.58	900	
4.			
5.			
6.			
7.			
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24.			
25.			
26.			
27.			
28.			
29.			
30.			
TOTAL ESTIMATED CONCENTRATION		987	

ENVIROTECH RESEARCH, INC.

Client ID: **MW-3**
Site: Hexcel/Lodi, Wells

Lab Sample ID: **74991**
Lab Job No: F990

Date Sampled: 07/31/98
Date Received: 07/31/98
Date Extracted: 08/07/98
OK
Date Analyzed: 08/14/98
GC Column: DB-608
Instrument ID: PESTGC6.i

Matrix: WATER
Sample Volume: 990 ml
Extract Final Volume: 5.0 ml
Dilution Factor: 1.0
Lab File ID: nr002571.d

ORGANOCHLORINE PCBs - GC/ECD
METHOD 608

Parameter	Analytical Results Units: ug/l	Method Detection Limit Units: ug/l
Aroclor-1016	ND	0.30
Aroclor-1221	ND	0.40
Aroclor-1232	ND	0.30
Aroclor-1242	0.35	0.30
Aroclor-1248	ND	0.30
Aroclor-1254	ND	0.40
Aroclor-1260	ND	0.20
Aroclor-1262	ND	0.20
Aroclor-1268	ND	0.20

ENVIROTECH RESEARCH, INC.

Client ID: **MW-2**
Site: Hexcel/Lodi, Wells

Lab Sample No: **74992**
Lab Job No: F990

Date Sampled: 07/31/98
Date Received: 07/31/98
Date Analyzed: 08/09/98
OK
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v3582.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
METHOD 624

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
Chloromethane	ND	0.9
Bromomethane	ND	0.3
Vinyl Chloride	ND	0.4
Chloroethane	ND	1.0
Methylene Chloride	ND	1.0
Trichlorofluoromethane	ND	0.2
1,1-Dichloroethene	ND	0.6
1,1-Dichloroethane	ND	0.3
trans-1,2-Dichloroethene	ND	0.3
cis-1,2-Dichloroethene	3.3	1.0
Chloroform	ND	0.2
1,2-Dichloroethane	ND	0.2
1,1,1-Trichloroethane	ND	0.2
Carbon Tetrachloride	ND	0.2
Bromodichloromethane	ND	0.2
1,2-Dichloropropane	ND	0.5
cis-1,3-Dichloropropene	ND	0.3
Trichloroethene	3.1	0.4
Dibromochloromethane	ND	0.2
1,1,2-Trichloroethane	ND	0.4
Benzene	ND	0.2
trans-1,3-Dichloropropene	ND	0.3
2-Chloroethyl Vinyl Ether	ND	0.5
Bromoform	ND	0.3
Tetrachloroethene	12	0.1
1,1,2,2-Tetrachloroethane	ND	0.3
Toluene	ND	0.2
Chlorobenzene	ND	0.1
Ethylbenzene	ND	0.2
Xylene (Total)	ND	1.0
TBA	ND	100
MTBE	ND	1.0

ENVIROTECH RESEARCH, INC.

Client ID: **MW-2**
Site: Hexcel/Lodi, Wells

Lab Sample No: **74992**
Lab Job No: F990

Date Sampled: 07/31/98
Date Received: 07/31/98
Date Analyzed: 08/09/98
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v3582.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 624

COMPOUND NAME	RT	EST. CONC. ug/l	Q
1. NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
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TOTAL ESTIMATED CONCENTRATION 0.0

ENVIROTECH RESEARCH, INC.

Client ID: **MW-2**
Site: Hexcel/Lodi, Wells

Lab Sample ID: **74992**
Lab Job No: F990

Date Sampled: 07/31/98
Date Received: 07/31/98
Date Extracted: 08/03/98
Date Analyzed: 08/06/98
GC Column: DB-608
Instrument ID: PESTGC6.i

ok

Matrix: WATER
Sample Volume: 990 ml
Extract Final Volume: 5.0 ml
Dilution Factor: 20.0
Lab File ID: nr002309.d

ORGANOCHLORINE PCBs - GC/ECD
METHOD 608

Parameter	Analytical Results Units: ug/l	Method Detection Limit Units: ug/l
Aroclor-1016	ND	6.0
Aroclor-1221	ND	8.0
Aroclor-1232	ND	6.0
Aroclor-1242	ND	6.0
Aroclor-1248	90	6.0
Aroclor-1254	ND	8.0
Aroclor-1260	ND	4.0
Aroclor-1262	ND	4.0
Aroclor-1268	ND	4.0

ENVIROTECH RESEARCH, INC.

Client ID: **Dup-2**
Site: Hexcel/Lodi, Wells

Lab Sample No: **74993**
Lab Job No: F990

Date Sampled: 07/31/98
Date Received: 07/31/98
Date Analyzed: 08/09/98
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v3583.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
METHOD 624

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
Chloromethane	ND	0.9
Bromomethane	ND	0.3
Vinyl Chloride	4.8	0.4
Chloroethane	ND	1.0
Methylene Chloride	ND	1.0
Trichlorofluoromethane	ND	0.2
1,1-Dichloroethene	0.6	0.6
1,1-Dichloroethane	2.5	0.3
trans-1,2-Dichloroethene	0.7	0.3
cis-1,2-Dichloroethene	18	1.0
Chloroform	ND	0.2
1,2-Dichloroethane	ND	0.2
1,1,1-Trichloroethane	ND	0.2
Carbon Tetrachloride	ND	0.2
Bromodichloromethane	ND	0.2
1,2-Dichloropropane	ND	0.5
cis-1,3-Dichloropropene	ND	0.3
Trichloroethene	ND	0.4
Dibromochloromethane	ND	0.2
1,1,2-Trichloroethane	ND	0.4
Benzene	2.1	0.2
trans-1,3-Dichloropropene	ND	0.3
2-Chloroethyl Vinyl Ether	ND	0.5
Bromoform	ND	0.3
Tetrachloroethene	ND	0.1
1,1,2,2-Tetrachloroethane	ND	0.3
Toluene	2.6	0.2
Chlorobenzene	58	0.1
Ethylbenzene	1.9	0.2
Xylene (Total)	ND	1.0
TBA	ND	100
MTBE	ND	1.0

ENVIROTECH RESEARCH, INC.

Client ID: **Dup-2**
Site: Hexcel/Lodi, Wells

Lab Sample No: **74993**
Lab Job No: F990

Date Sampled: 07/31/98
Date Received: 07/31/98
Date Analyzed: 08/09/98
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v3583.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 624

COMPOUND NAME	RT	EST. CONC. ug/l	Q
1. Trimethylbenzene isomer	15.28	3.8	
2. Ethylmethylbenzene isomer	15.54	4.0	
3. Trimethylbenzene isomer	15.70	3.7	
4. Diethylbenzene isomer	15.88	3.3	
5. C10H14 Aromatic	16.63	3.0	
6.			
7.			
8.			
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11.			
12.			
13.			
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25.			
26.			
27.			
28.			
29.			
30.			

TOTAL ESTIMATED CONCENTRATION 18

ENVIROTECH RESEARCH, INC.

Client ID: **Dup-2**
Site: Hexcel/Lodi, Wells

Lab Sample ID: **74993**
Lab Job No: F990

Date Sampled: 07/31/98
Date Received: 07/31/98
Date Extracted: 08/03/98
Date Analyzed: 08/06/98
GC Column: DB-608
Instrument ID: PESTGC6.i

Matrix: WATER
Sample Volume: 990 ml
Extract Final Volume: 5.0 ml
Dilution Factor: 1.0
Lab File ID: nr002308.d

ORGANOCHLORINE PCBs - GC/ECD
METHOD 608

Parameter	Analytical Results Units: ug/l	Method Detection Limit Units: ug/l
Aroclor-1016	ND	0.30
Aroclor-1221	ND	0.40
Aroclor-1232	ND	0.30
Aroclor-1242	9.9	0.30
Aroclor-1248	ND	0.30
Aroclor-1254	ND	0.40
Aroclor-1260	ND	0.20
Aroclor-1262	ND	0.20
Aroclor-1268	ND	0.20

ENVIROTECH RESEARCH, INC.

Client ID: **Field_Blank**
Site: Hexcel/Lodi, Wells

Lab Sample No: **74994**
Lab Job No: F990

Date Sampled: 07/31/98
Date Received: 07/31/98
Date Analyzed: 08/09/98
OK
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v3584.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
METHOD 624

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
Chloromethane	ND	0.9
Bromomethane	ND	0.3
Vinyl Chloride	ND	0.4
Chloroethane	ND	1.0
Methylene Chloride	ND	1.0
Trichlorofluoromethane	ND	0.2
1,1-Dichloroethene	ND	0.6
1,1-Dichloroethane	ND	0.3
trans-1,2-Dichloroethene	ND	0.3
cis-1,2-Dichloroethene	ND	1.0
Chloroform	ND	0.2
1,2-Dichloroethane	ND	0.2
1,1,1-Trichloroethane	ND	0.2
Carbon Tetrachloride	ND	0.2
Bromodichloromethane	ND	0.2
1,2-Dichloropropane	ND	0.5
cis-1,3-Dichloropropene	ND	0.3
Trichloroethene	ND	0.4
Dibromochloromethane	ND	0.2
1,1,2-Trichloroethane	ND	0.4
Benzene	ND	0.2
trans-1,3-Dichloropropene	ND	0.3
2-Chloroethyl Vinyl Ether	ND	0.5
Bromoform	ND	0.3
Tetrachloroethene	ND	0.1
1,1,2,2-Tetrachloroethane	ND	0.3
Toluene	ND	0.2
Chlorobenzene	ND	0.1
Ethylbenzene	ND	0.2
Xylene (Total)	ND	1.0
TBA	ND	100
MTBE	ND	1.0

ENVIROTECH RESEARCH, INC.

Client ID: **Field Blank**
Site: Hexcel/Lodi, Wells

Lab Sample No: **74994**
Lab Job No: F990

Date Sampled: 07/31/98
Date Received: 07/31/98
Date Analyzed: 08/09/98
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v3584.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 624

COMPOUND NAME	RT	EST. CONC. ug/l	Q
1. NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
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29.			
30.			

TOTAL ESTIMATED CONCENTRATION 0.0

ENVIROTECH RESEARCH, INC.

Client ID: **Field Blank**
Site: Hexcel/Lodi, Wells

Lab Sample ID: **74994**
Lab Job No: F990

Date Sampled: 07/31/98
Date Received: 07/31/98
Date Extracted: 08/03/98
OK
Date Analyzed: 08/04/98
GC Column: DB-608
Instrument ID: PESTGC6.i

Matrix: WATER
Sample Volume: 940 ml
Extract Final Volume: 5.0 ml
Dilution Factor: 1.0
Lab File ID: nr002234.d

ORGANOCHLORINE PCBs - GC/ECD
METHOD 608

Parameter	Analytical Results Units: ug/l	Method Detection Limit Units: ug/l
Aroclor-1016	ND	0.30
Aroclor-1221	ND	0.40
Aroclor-1232	ND	0.30
Aroclor-1242	ND	0.30
Aroclor-1248	ND	0.30
Aroclor-1254	ND	0.40
Aroclor-1260	ND	0.20
Aroclor-1262	ND	0.20
Aroclor-1268	ND	0.20

Monitoring Well Data

Client: Haley & Aldrich Project: Hexcel Facility/Lodi

Job No: F990 Date Sampled: 7/31/98 Analyst: R. Toogood

Well ID	MW12	MW13	MW28	MW6	MW7	MW8	MW9
Depth to Water From TOC feet (before purging)	11.02	10.05	10.64	10.40	9.95	11.88	9.12
Depth to Water From TOC feet (after purging)	Dry	12.57	11.25	12.74	10.64	13.13	10.50
Depth to Water From TOC feet (before sampling)	13.34	10.53	10.89	11.64	10.02	12.19	9.32
Depth to Bottom From TOC feet	17.22	33.22	14.82	18.35	32.86	17.36	29.59
PID Reading from Well Casing (ppm)	0.0	0.0	0.0	70.0	1.0	8.0	2.0
pH before Purge	5.42	7.19	6.26	6.74	7.37	5.89	7.37
Temp. before Purge (°C)	19.3	20.1	21.8	19.4	19.8	19.5	17.7
Diss. Oxygen before Purge (ppm)	1.6	2.5	0.7	0.7	2.9	1.0	0.9
Cond. before Purge (umhos/cm)	250	800	900	1000	800	800	600
Water Volume in Well (gal.)	4.04	15.13	2.74	5.19	14.95	3.58	13.36
Purge Method	Peristaltic pump	Peristaltic pump	Peristaltic pump	Peristaltic pump	Peristaltic pump	Peristaltic pump	Peristaltic pump
Purge Start Time	7:57	7:55	8:18	9:25	9:23	10:36	10:35
Purge End Time	8:08	8:47	8:57	10:15	10:05	11:08	11:11
Purge Rate (gpm)	0.4	0.9	0.2	0.3	1.1	0.3	1.1
Volume Purged (gal.)	4.5	46	9	116	45	11	41
pH after Purge	5.32	7.13	6.34	6.32	6.57	5.93	6.64
Temp. after Purge (°C)	18.8	18.1	21.6	18.9	18.1	19.3	17.3
Diss. Oxygen after Purge (ppm)	1.7	1.8	2.0	0.9	0.8	0.4	0.6
Cond. after Purge (umhos/cm)	245	700	900	1000	700	1100	600
pH at Sample	5.46	7.20	6.28	6.32	7.70	6.09	6.73
Temp. at Sample (°C)	18.9	18.2	21.6	19.2	19.3	18.8	17.7
Diss. Oxygen at Sample (ppm)	1.3	1.1	0.6	2.0	3.2	0.6	1.0
Cond. at Sample (umhos/cm)	240	700	900	1000	700	1200	600
Sampling Method	Teflon bailer	Teflon bailer	Teflon bailer	Teflon bailer	Teflon bailer	Teflon bailer	Teflon bailer
Time of Sampling	9:10	8:52	9:02	10:21	10:10	11:26	11:18

Monitoring Well Data

Client: Haley & Aldrich Project: Hexcel Facility/Lodi

Job No: F990 Date Sampled: 7/31/98 Analyst: R. Toogood

Well ID	MW12	MW13	MW28	MW6	MW7	MW8	MW9
Depth to Water From TOC feet (before purging)	11.02	10.05	10.64	10.40	9.95	11.88	9.12
Depth to Water From TOC feet (after purging)	Dry	12.57	11.25	12.74	10.64	13.13	10.50
Depth to Water From TOC feet (before sampling)	13.34	10.53	10.89	11.64	10.02	12.19	9.32
Depth to Bottom From TOC feet	17.22	33.22	14.82	18.35	32.86	17.36	29.59
PID Reading from Well Casing (ppm)	0.0	0.0	0.0	70.0	1.0	8.0	2.0
pH before Purge	5.42	7.19	6.26	6.74	7.37	5.89	7.37
Temp. before Purge (°C)	19.3	20.1	21.8	19.4	19.8	19.5	17.7
Diss. Oxygen before Purge (ppm)	1.6	2.5	0.7	0.7	2.9	1.0	0.9
Cond. before Purge (umhos/cm)	250	800	900	1000	800	800	600
Water Volume in Well (gal.)	4.04	15.13	2.74	5.19	14.95	3.58	13.36
Purge Method	Peristaltic pump	Peristaltic pump	Peristaltic pump	Peristaltic pump	Peristaltic pump	Peristaltic pump	Peristaltic pump
Purge Start Time	7:57	7:55	8:18	9:25	9:23	10:36	10:35
Purge End Time	8:08	8:47	8:57	10:15	10:05	11:08	11:11
Purge Rate (gpm)	0.4	0.9	0.2	0.3	1.1	0.3	1.1
Volume Purged (gal.)	4.5	46	9	116	45	11	41
pH after Purge	5.32	7.13	6.34	6.32	6.57	5.93	6.64
Temp. after Purge (°C)	18.8	18.1	21.6	18.9	18.1	19.3	17.3
Diss. Oxygen after Purge (ppm)	1.7	1.8	2.0	0.9	0.8	0.4	0.6
Cond. after Purge (umhos/cm)	245	700	900	1000	700	1100	600
pH at Sample	5.46	7.20	6.28	6.32	7.70	6.09	6.73
Temp. at Sample (°C)	18.9	18.2	21.6	19.2	19.3	18.8	17.7
Diss. Oxygen at Sample (ppm)	1.3	1.1	0.6	2.0	3.2	0.6	1.0
Cond. at Sample (umhos/cm)	240	700	900	1000	700	1200	600
Sampling Method	Teflon bailer	Teflon bailer	Teflon bailer	Teflon bailer	Teflon bailer	Teflon bailer	Teflon bailer
Time of Sampling	9:10	8:52	9:02	10:21	10:10	11:26	11:18

Monitoring Well Data

Well ID	MW16	MW3	MW2
Depth to Water From TOC feet (before purging)	7.35	10.63	8.20
Depth to Water From TOC feet (after purging)	11.08	11.67	Dry
Depth to Water From TOC feet (before sampling)	10.34	10.82	9.04
Depth to Bottom From TOC feet	12.65	30.78	10.26
PID Reading from Well Casing (ppm)	0.0	12.0	2.0
pH before Purge	7.34	10.67	5.86
Temp. before Purge (°C)	21.4	19.8	21.8
Diss. Oxygen before Purge (ppm)	2.5	1.1	2.2
Cond. before Purge (umhos/cm)	500	700	140
Water Volume in Well (gal.)	3.45	13.15	1.34
Purge Method	Peristaltic pump	Peristaltic pump	Peristaltic pump
Purge Start Time	11:38	12:18	12:01
Purge End Time	12:22	13:04	12:10
Purge Rate (gpm)	0.3	0.9	0.2
Volume Purged (gal.)	11	40	1.5
pH after Purge	7.53	6.54	5.68
Temp. after Purge (°C)	21.1	18.3	21.9
Diss. Oxygen after Purge (ppm)	2.7	0.9	2.1
Cond. after Purge (umhos/cm)	500	700	140
pH at Sample	7.44	7.96	5.81
Temp. at Sample (°C)	20.9	18.8	21.9
Diss. Oxygen at Sample (ppm)	1.0	0.1	1.6
Cond. at Sample (umhos/cm)	500	700	150
Sampling Method	Teflon bailer	Teflon bailer	Teflon bailer
Time of Sampling	12:32	13:12	13:22

ENVIROTECH RESEARCH INC.
777 New Durham Road
Edison, New Jersey 08817
Phone: (732) 549-3900 Fax: (732) 549-3679

CHAIN OF CUSTODY / ANALYSIS REQUEST

Name (for report and invoice) Sunila Gupta	Samplers Name (Printed) R. Toogood, M. Morse	Site/Project Identification Hexcel Facility/Lodi
Company Haley & Aldrich, Inc.	P.O. #	State (Location of site): NJ: X NY: ☐ Other:
		Regulatory Program:
150 Mineral Springs Drive	Analysis Turnaround Time: Standard ☒	ANALYSIS REQUESTED (ENTER "X" BELOW TO INDICATE REQ
City Dover State NJ Zip 07801	Rush Charges Authorized For: 2 Week ☐ 1 Week ☐ Other ☐	LAB USE ONLY Project No: 710114
Phone (973) 361-3600 Fax		Job No: F990

Sample Identification	Date	Time	Matrix	No. of Cont.	VOTICIDE, Hylene, MTBE, TBA, 524	PCB's by 608									Sample Numbers
MW 12	7/31/98	910	AQ	4	X	Y									74983
MW 13		852		4	Y	X									74984
MW 28		902		4	X	X									74985
MW 6		1021		4	X	X									74986
MW 7		1010		4	X	X									74987
MW 8		1126		4	X	X									74988
MW 9		1118		4	X	X									74989
MW 16		12:32		4	Y	Y									74990
MW 3		1312		4	Y	X									74991
MW 2		1322		4	X	Y									74992
Preservation Used: 1 = ICE, 2 = HCl, 3 = H_2SO_4, 4 = HNO_3, 5 = NaOH — Soil:															
6 = Other _____, 7 = Other _____ — Water:					1,2	1									

Special Instructions: _____ Water Metals Filtered (Yes/No)? _____

Relinquished by	Company	Date / Time	Received by	Company
1) [signature]	Envirotech Research, Inc.	7/31/98 1630	1) [signature]	HOWARD SCHULZE ENVIROTECH RESEARCH, INC
Relinquished by 2)	Company	Date / Time	Received by 2)	Company
Relinquished by 3)	Company	Date / Time	Received by 3)	Company
Relinquished by 4)	Company	Date / Time	Received by 4)	Company

882270099

ENVIROTECH RESEARCH INC.
777 New Durham Road
Edison, New Jersey 08817
Phone: (732) 549-3900 Fax: (732) 549-3679

CHAIN OF CUSTODY / ANALYSIS REQUEST

PAGE 1 OF 1

Name (for report and invoice) Sunila Gupta	Samplers Name (Printed) R. Toogood, M. Morse	Site/Project Identification Hexcel Facility/Lodi
Company Haley & Aldrich, Inc.	P.O. #	State (Location of site): NJ: [X] NY: [ ] Other:
		Regulatory Program:
150 Mineral Springs Drive	Analysis Turnaround Time: Standard [X]	LAB USE ONLY Project No: 710114
City Dover State NJ Zip O7801	Rush Charges Authorized For: 2 Week [ ] 1 Week [ ] Other [ ]	Job No: F990
Phone (973) 361-3600 Fax		

ANALYSIS REQUESTED (ENTER "X" BELOW TO INDICATE REQ

Sample Identification	Date	Time	Matrix	No. of. Cont.	VOC 10 incl. xylene MTBE, TBA 624	PCB's by 608										Sample Numbers
Dup 2	7/31/98	–	Am	4	X	X										74993
Field Blank	↓	1320	↓	3	X	X										74994
Preservation Used: 1 = ICE, 2 = HCl, 3 = H_2SO_4, 4 = HNO_3, 5 = NaOH				Soil:												
6 = Other _____, 7 = Other _____				Water:	1,2	1										

Special Instructions: _____ Water Metals Filtered (Yes/No)? _____

Relinquished by	Company	Date / Time	Received by	Company
1) R. Toogood	Envirotech Research, Inc.	7/31/98 16:30	1) [signature]	HOWARD SCHULZE ENVIROTECH RESEARCH, INC
2)			2)	
3)			3)	
4)			4)	

882270100

NON-CONFORMANCE SUMMARY

Envirotech Research, Inc. Job Number: F990

Volatile Organics Analysis:

All data conforms with method requirements ✓; or
Analysis was not requested _____; or
Non-conformance for the specific samples listed is as follows:

_____

_____

_____

_____

See continuation page if checked ( )

Base/Neutral and/or Acid Extractable Organics:

All data conforms with method requirements _____; or
Analysis was not requested ✓; or
Non-conformance for the specific samples listed is as follows:

_____

_____

_____

_____

See continuation page if checked ( )

PCBs and/or Organochlorine Pesticides:

All data conforms with method requirements ✓; or
Analysis was not requested _____; or
Non-conformance for the specific samples listed is as follows:

_____

_____

_____

_____

See continuation page if checked ( )

Monitoring Well Data

Well ID	MW16	MW3	MW2
Depth to Water From TOC feet (before purging)	7.35	10.63	8.20
Depth to Water From TOC feet (after purging)	11.08	11.67	Dry
Depth to Water From TOC feet (before sampling)	10.34	10.82	9.04
Depth to Bottom From TOC feet	12.65	30.78	10.26
PID Reading from Well Casing (ppm)	0.0	12.0	2.0
pH before Purge	7.34	10.67	5.86
Temp. before Purge (°C)	21.4	19.8	21.8
Diss. Oxygen before Purge (ppm)	2.5	1.1	2.2
Cond. before Purge (umhos/cm)	500	700	140
Water Volume in Well (gal.)	3.45	13.15	1.34
Purge Method	Peristaltic pump	Peristaltic pump	Peristaltic pump
Purge Start Time	11:38	12:18	12:01
Purge End Time	12:22	13:04	12:10
Purge Rate (gpm)	0.3	0.9	0.2
Volume Purged (gal.)	11	40	1.5
pH after Purge	7.53	6.54	5.68
Temp. after Purge (°C)	21.1	18.3	21.9
Diss. Oxygen after Purge (ppm)	2.7	0.9	2.1
Cond. after Purge (umhos/cm)	500	700	140
pH at Sample	7.44	7.96	5.81
Temp. at Sample (°C)	20.9	18.8	21.9
Diss. Oxygen at Sample (ppm)	1.0	0.1	1.6
Cond. at Sample (umhos/cm)	500	700	150
Sampling Method	Teflon bailer	Teflon bailer	Teflon bailer
Time of Sampling	12:32	13:12	13:22

ENVIROTECH RESEARCH INC.
777 New Durham Road
Edison, New Jersey 08817
Phone: (732) 549-3900 Fax: (732) 549-3679

CHAIN OF CUSTODY / ANALYSIS REQUEST

Name (for report and invoice) Sunila Gupta	Samplers Name (Printed) R. Toogood, M. Morse	Site/Project Identification Hexcel Facility/Lodi
Company Haley & Aldrich, Inc.	P.O. #	State (Location of site): NJ: [X] NY: [ ] Other:
		Regulatory Program:
150 Mineral Springs Drive	Analysis Turnaround Time: Standard [X]	LAB USE ONLY Project No: 710114
City Dover State NJ Zip O7801	Rush Charges Authorized For: 2 Week [ ] 1 Week [ ] Other [ ]	Job No: F990
Phone (973) 361-3600 Fax		

ANALYSIS REQUESTED (ENTER "X" BELOW TO INDICATE REQ

Sample Identification	Date	Time	Matrix	No. of. Cont.	VOTIC incl. xylenes MTBE, TBA 524	PCBs by 608									Sample Numbers
MW12	7/31/98	910	An	4	X	Y									74983
MW13		852		4	Y	X									74984
MW28		902		4	X	X									74985
MW6		1021		4	X	X									74986
MW7		1010		4	X	✓									74987
MW8		1126		4	X	X									74988
MW9		1118		4	X	X									74989
MW16		12:32		4	X	Y									74990
MW3		1312		4	X	X									74991
MW2		1322		4	X	Y									74992
Preservation Used: 1 = ICE, 2 = HCl, 3 = H_2SO_4, 4 = HNO_3, 5 = NaOH				Soil:											
6 = Other _____, 7 = Other _____				Water:	1,2	1									

Special Instructions: _____ Water Metals Filtered (Yes/No)? _____

Relinquished by	Company	Date / Time	Received by	Company
1) R. Toogood	Envirotech Research, Inc.	7/31/98 1630	1) [signature]	HOWARD SCHULZE ENVIROTECH RESEARCH, INC
2)			2)	
3)			3)	
4)			4)	

882270103

ENVIROTECH RESEARCH INC.
777 New Durham Road
Edison, New Jersey 08817
Phone: (732) 549-3900 Fax: (732) 549-3679

CHAIN OF CUSTODY / ANALYSIS REQUEST

PAGE 1 OF 1

Name (for report and invoice) Sunila Gupta	Samplers Name (Printed) R. Toogood, M. Morse	Site/Project Identification Hexcel Facility/Lodi
Company Haley & Aldrich, Inc.	P.O. #	State (Location of site): NJ: [X] NY: [ ] Other:
		Regulatory Program:
150 Mineral Springs Drive	Analysis Turnaround Time: Standard [X]	LAB USE ONLY
City Dover State NJ Zip O7801	Rush Charges Authorized For: 2 Week [ ] 1 Week [ ] Other [ ]	Project No: 710114
Phone (973) 361-3600 Fax		Job No: F990

ANALYSIS REQUESTED (ENTER "X" BELOW TO INDICATE REQ

Sample Identification	Date	Time	Matrix	No. of. Cont.	VOC 10 incl. xylene MTBE, TBA 624	PCB's by 608									Sample Numbers
Dup 2	7/31/98	–	Am	4	X	X									74993
Field Blank	↓	1320	↓	3	X	X									74994
Preservation Used: 1 = ICE, 2 = HCl, 3 = H_2SO_4, 4 = HNO_3, 5 = NaOH				Soil:											
6 = Other _____, 7 = Other _____				Water:	1,2	1									

Special Instructions: _____ Water Metals Filtered (Yes/No)? _____

Relinquished by	Company	Date / Time	Received by	Company
1) R. Toogood	Envirotech Research, Inc.	7/31/98 16:30	1) [signature]	HOWARD SCHULZE ENVIROTECH RESEARCH, INC
2)			2)	
3)			3)	
4)			4)	

882270104

NON-CONFORMANCE SUMMARY

Envirotech Research, Inc. Job Number: F990

Volatile Organics Analysis:

All data conforms with method requirements ✓; or
Analysis was not requested _____; or
Non-conformance for the specific samples listed is as follows:

_____

_____

_____

_____

See continuation page if checked ( )

Base/Neutral and/or Acid Extractable Organics:

All data conforms with method requirements _____; or
Analysis was not requested ✓; or
Non-conformance for the specific samples listed is as follows:

_____

_____

_____

_____

See continuation page if checked ( )

PCBs and/or Organochlorine Pesticides:

All data conforms with method requirements ✓; or
Analysis was not requested _____; or
Non-conformance for the specific samples listed is as follows:

_____

_____

_____

_____

See continuation page if checked ( )

Non-conformance Summary, Page 2 of 2
Envirotech Research, Inc. Job Number: F990

Metals Analysis:

All data conforms with method requirements _____; or
Analysis was not requested ✓; or
Non-conformance for the specific samples listed is as follows:

See continuation page if checked ( )

Total Petroleum Hydrocarbons:

All data conforms with method requirements _____; or
Analysis was not requested ✓; or
Non-conformance for the specific samples listed is as follows:

See continuation page if checked ( )

General Chemistry/Disposal Parameters:

All data conforms with method requirements _____; or
Analysis was not requested ✓; or
Non-conformance for the specific samples listed is as follows:

See continuation page if checked ( )

Signature of
Laboratory Manager: [signature] Date: 8/21/98

ENVIROTECH RESEARCH, INC.

777 New Durham Road
Edison, New Jersey 08817
Tel: (732) 549-3900
Fax: (732) 549-3679
www.enviro-lab.com

August 25, 1998

Haley & Aldrich, Inc.
150 Mineral Springs Drive
Dover, NJ 07801

Attention: Ms. Sunila Gupta

Re: Job No. F988 - Hexcel/Lodi, Wells

Dear Ms. Gupta:

Enclosed are the results you requested for the following sample(s) received at our laboratory on July 31, 1998:

Lab No.	Client ID	Analysis Required
74960	MW-33	PP VOA+10 w/MTBE&TBA, PCBs
74961	MW-19	PP VOA+10 w/MTBE&TBA, PCBs
74962	MW-14	PP VOA+10 w/MTBE&TBA, PCBs
74963	MW-15	PP VOA+10 w/MTBE&TBA, PCBs
74964	Dup-1	PP VOA+10 w/MTBE&TBA, PCBs
74965	MW-22	PP VOA+10 w/MTBE&TBA, PCBs
74966	MW-23	PP VOA+10 w/MTBE&TBA, PCBs
74967	MW-24	PP VOA+10 w/MTBE&TBA, PCBs
74968	Field_Blank	PP VOA+10 w/MTBE&TBA, PCBs
74969	Trip_Blank	PP VOA+10 w/MTBE&TBA
74970	MW-11	PP VOA+10 w/MTBE&TBA, PCBs
74971	MW-10	PP VOA+10 w/MTBE&TBA, PCBs
74972	MW-20	PP VOA+10 w/MTBE&TBA, PCBs
74973	MW-1	PP VOA+10 w/MTBE&TBA, PCBs
74974	MW-17	PP VOA+10 w/MTBE&TBA, PCBs
74975	MW-4	PP VOA+10 w/MTBE&TBA, PCBs
74976	MW-5	PP VOA+10 w/MTBE&TBA, PCBs
74977	MW-27	PP VOA+10 w/MTBE&TBA, PCBs

ENVIROTECH RESEARCH, INC.

Lab No.	Client ID	Analysis Required
74978	MW-26	PP VOA+10 w/MTBE&TBA, PCBs
74979	MW-21	PP VOA+10 w/MTBE&TBA, PCBs

An invoice for our services is also enclosed. If you have any questions please contact your Project Manager, Bianca Buckwalter, at (732) 549-3900.

Very truly yours,

Michael J. Urban
Laboratory Manager

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ENVIROTECH RESEARCH, INC.

Client ID: **MW-33**
Site: Hexcel/Lodi, Wells

Lab Sample No: **74960**
Lab Job No: F988

Date Sampled: 07/30/98
Date Received: 07/31/98
Date Analyzed: 08/08/98
OK
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v3549.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
METHOD 624

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
Chloromethane	ND	0.9
Bromomethane	ND	0.3
Vinyl Chloride	1.6	0.4
Chloroethane	ND	1.0
Methylene Chloride	ND	1.0
Trichlorofluoromethane	ND	0.2
1,1-Dichloroethene	1.2	0.6
1,1-Dichloroethane	2.4	0.3
trans-1,2-Dichloroethene	1.2	0.3
cis-1,2-Dichloroethene	80	1.0
Chloroform	22	0.2
1,2-Dichloroethane	ND	0.2
1,1,1-Trichloroethane	6.3	0.2
Carbon Tetrachloride	ND	0.2
Bromodichloromethane	ND	0.2
1,2-Dichloropropane	ND	0.5
cis-1,3-Dichloropropene	ND	0.3
Trichloroethene	1.2	0.4
Dibromochloromethane	ND	0.2
1,1,2-Trichloroethane	ND	0.4
Benzene	ND	0.2
trans-1,3-Dichloropropene	ND	0.3
2-Chloroethyl Vinyl Ether	ND	0.5
Bromoform	ND	0.3
Tetrachloroethene	ND	0.1
1,1,2,2-Tetrachloroethane	ND	0.3
Toluene	ND	0.2
Chlorobenzene	5.8	0.1
Ethylbenzene	ND	0.2
Xylene (Total)	ND	1.0
TBA	ND	100
MTBE	4.8	1.0

882270110

ENVIROTECH RESEARCH, INC.

Client ID: **MW-33**
Site: Hexcel/Lodi, Wells

Lab Sample No: **74960**
Lab Job No: F988

Date Sampled: 07/30/98
Date Received: 07/31/98
Date Analyzed: 08/08/98
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v3549.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 624

COMPOUND NAME	RT	EST. CONC. ug/l	Q
1. NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
13.			
14.			
15.			
16.			
17.			
18.			
19.			
20.			
21.			
22.			
23.			
24.			
25.			
26.			
27.			
28.			
29.			
30.			

TOTAL ESTIMATED CONCENTRATION	0.0

ENVIROTECH RESEARCH, INC.

Client ID: **MW-33**
Site: Hexcel/Lodi, Wells

Lab Sample ID: **74960**
Lab Job No: F988

7 days

Date Sampled: 07/30/98
Date Received: 07/31/98
Date Extracted: 08/04/98
ok
Date Analyzed: 08/05/98
GC Column: DB-608
Instrument ID: PESTGC6.i

Matrix: WATER
Sample Volume: 960 ml
Extract Final Volume: 5.0 ml
Dilution Factor: 1.0
Lab File ID: nr002273.d

ORGANOCHLORINE PCBs - GC/ECD
METHOD 608

Parameter	Analytical Results Units: ug/l	Method Detection Limit Units: ug/l
Aroclor-1016	ND	0.30
Aroclor-1221	ND	0.40
Aroclor-1232	ND	0.30
Aroclor-1242	ND	0.30
Aroclor-1248	ND	0.30
Aroclor-1254	ND	0.40
Aroclor-1260	ND	0.20
Aroclor-1262	ND	0.20
Aroclor-1268	ND	0.20

ENVIROTECH RESEARCH, INC.

Client ID: **MW-19**
Site: Hexcel/Lodi, Wells

Lab Sample No: **74961**
Lab Job No: F988

Date Sampled: 07/30/98
Date Received: 07/31/98
Date Analyzed: 08/08/98
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v3550.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
METHOD 624

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
Chloromethane	ND	0.9
Bromomethane	ND	0.3
Vinyl Chloride	ND	0.4
Chloroethane	ND	1.0
Methylene Chloride	ND	1.0
Trichlorofluoromethane	ND	0.2
1,1-Dichloroethene	ND	0.6
1,1-Dichloroethane	ND	0.3
trans-1,2-Dichloroethene	0.4	0.3
cis-1,2-Dichloroethene	4.8	1.0
Chloroform	0.9	0.2
1,2-Dichloroethane	ND	0.2
1,1,1-Trichloroethane	ND	0.2
Carbon Tetrachloride	0.7	0.2
Bromodichloromethane	ND	0.2
1,2-Dichloropropane	ND	0.5
cis-1,3-Dichloropropene	ND	0.3
Trichloroethene	32	0.4
Dibromochloromethane	ND	0.2
1,1,2-Trichloroethane	ND	0.4
Benzene	ND	0.2
trans-1,3-Dichloropropene	ND	0.3
2-Chloroethyl Vinyl Ether	ND	0.5
Bromoform	ND	0.3
Tetrachloroethene	3.3	0.1
1,1,2,2-Tetrachloroethane	ND	0.3
Toluene	ND	0.2
Chlorobenzene	0.3	0.1
Ethylbenzene	ND	0.2
Xylene (Total)	ND	1.0
TBA	ND	100
MTBE	0.8J	1.0

ENVIROTECH RESEARCH, INC.

Client ID: **MW-19**
Site: Hexcel/Lodi, Wells

Lab Sample No: **74961**
Lab Job No: F988

Date Sampled: 07/30/98
Date Received: 07/31/98
Date Analyzed: 08/08/98
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v3550.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 624

COMPOUND NAME	RT	EST. CONC. ug/l	Q
1. NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
13.			
14.			
15.			
16.			
17.			
18.			
19.			
20.			
21.			
22.			
23.			
24.			
25.			
26.			
27.			
28.			
29.			
30.			

TOTAL ESTIMATED CONCENTRATION 0.0

ENVIROTECH RESEARCH, INC.

Client ID: **MW-19**
Site: Hexcel/Lodi, Wells

Lab Sample ID: **74961**
Lab Job No: F988

Date Sampled: 07/30/98
Date Received: 07/31/98
Date Extracted: 08/04/98
OK
Date Analyzed: 08/05/98
GC Column: DB-608
Instrument ID: PESTGC6.i

Matrix: WATER
Sample Volume: 970 ml
Extract Final Volume: 5.0 ml
Dilution Factor: 1.0
Lab File ID: nr002274.d

ORGANOCHLORINE PCBs - GC/ECD
METHOD 608

Parameter	Analytical Results Units: ug/l	Method Detection Limit Units: ug/l
Aroclor-1016	ND	0.30
Aroclor-1221	ND	0.40
Aroclor-1232	ND	0.30
Aroclor-1242	ND	0.30
Aroclor-1248	ND	0.30
Aroclor-1254	ND	0.40
Aroclor-1260	ND	0.20
Aroclor-1262	ND	0.20
Aroclor-1268	ND	0.20

ENVIROTECH RESEARCH, INC.

Client ID: **MW-14**
Site: Hexcel/Lodi, Wells

Lab Sample No: **74962**
Lab Job No: F988

Date Sampled: 07/30/98
Date Received: 07/31/98 OK
Date Analyzed: 08/08/98
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v3551.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
METHOD 624

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
Chloromethane	ND	0.9
Bromomethane	ND	0.3
Vinyl Chloride	16	0.4
Chloroethane	ND	1.0
Methylene Chloride	ND	1.0
Trichlorofluoromethane	ND	0.2
1,1-Dichloroethene	ND	0.6
1,1-Dichloroethane	1.2	0.3
trans-1,2-Dichloroethene	0.3	0.3
cis-1,2-Dichloroethene	4.4	1.0
Chloroform	ND	0.2
1,2-Dichloroethane	ND	0.2
1,1,1-Trichloroethane	ND	0.2
Carbon Tetrachloride	ND	0.2
Bromodichloromethane	ND	0.2
1,2-Dichloropropane	ND	0.5
cis-1,3-Dichloropropene	ND	0.3
Trichloroethene	ND	0.4
Dibromochloromethane	ND	0.2
1,1,2-Trichloroethane	ND	0.4
Benzene	ND	0.2
trans-1,3-Dichloropropene	ND	0.3
2-Chloroethyl Vinyl Ether	ND	0.5
Bromoform	ND	0.3
Tetrachloroethene	ND	0.1
1,1,2,2-Tetrachloroethane	ND	0.3
Toluene	ND	0.2
Chlorobenzene	4.5	0.1
Ethylbenzene	ND	0.2
Xylene (Total)	ND	1.0
TBA	ND	100
MTBE	1.8	1.0

ENVIROTECH RESEARCH, INC.

Client ID: **MW-14**
Site: Hexcel/Lodi, Wells

Lab Sample No: **74962**
Lab Job No: F988

Date Sampled: 07/30/98
Date Received: 07/31/98
Date Analyzed: 08/08/98
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v3551.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 624

COMPOUND NAME	RT	EST. CONC. ug/l	Q
1. NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.			
3.			
4.			
5.			
6.			
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TOTAL ESTIMATED CONCENTRATION 0.0

ENVIROTECH RESEARCH, INC.

Client ID: **MW-14**
Site: Hexcel/Lodi, Wells

Lab Sample ID: **74962**
Lab Job No: F988

Date Sampled: 07/30/98
Date Received: 07/31/98
Date Extracted: 08/04/98
OK
Date Analyzed: 08/05/98
GC Column: DB-608
Instrument ID: PESTGC6.i

Matrix: WATER
Sample Volume: 990 ml
Extract Final Volume: 5.0 ml
Dilution Factor: 1.0
Lab File ID: nr002275.d

ORGANOCHLORINE PCBs - GC/ECD
METHOD 608

Parameter	Analytical Results Units: ug/l	Method Detection Limit Units: ug/l
Aroclor-1016	ND	0.30
Aroclor-1221	ND	0.40
Aroclor-1232	ND	0.30
Aroclor-1242	ND	0.30
Aroclor-1248	ND	0.30
Aroclor-1254	ND	0.40
Aroclor-1260	ND	0.20
Aroclor-1262	ND	0.20
Aroclor-1268	ND	0.20

ENVIROTECH RESEARCH, INC.

Client ID: **MW-15**
Site: Hexcel/Lodi, Wells

Lab Sample No: **74963**
Lab Job No: F988

Date Sampled: 07/30/98
Date Received: 07/31/98 OK
Date Analyzed: 08/08/98
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v3552.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
METHOD 624

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
Chloromethane	ND	0.9
Bromomethane	ND	0.3
Vinyl Chloride	ND	0.4
Chloroethane	ND	1.0
Methylene Chloride	ND	1.0
Trichlorofluoromethane	ND	0.2
1,1-Dichloroethene	ND	0.6
1,1-Dichloroethane	ND	0.3
trans-1,2-Dichloroethene	ND	0.3
cis-1,2-Dichloroethene	2.2	1.0
Chloroform	3.0	0.2
1,2-Dichloroethane	ND	0.2
1,1,1-Trichloroethane	ND	0.2
Carbon Tetrachloride	5.1	0.2
Bromodichloromethane	ND	0.2
1,2-Dichloropropane	ND	0.5
cis-1,3-Dichloropropene	ND	0.3
Trichloroethene	15	0.4
Dibromochloromethane	ND	0.2
1,1,2-Trichloroethane	ND	0.4
Benzene	ND	0.2
trans-1,3-Dichloropropene	ND	0.3
2-Chloroethyl Vinyl Ether	ND	0.5
Bromoform	ND	0.3
Tetrachloroethene	1.2	0.1
1,1,2,2-Tetrachloroethane	ND	0.3
Toluene	ND	0.2
Chlorobenzene	0.6	0.1
Ethylbenzene	ND	0.2
Xylene (Total)	ND	1.0
TBA	ND	100
MTBE	ND	1.0

ENVIROTECH RESEARCH, INC.

Client ID: **MW-15**
Site: Hexcel/Lodi, Wells

Lab Sample No: **74963**
Lab Job No: F988

Date Sampled: 07/30/98
Date Received: 07/31/98
Date Analyzed: 08/08/98
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v3552.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 624

COMPOUND NAME	RT	EST. CONC. ug/l	Q
1. NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.			
3.			
4.			
5.			
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TOTAL ESTIMATED CONCENTRATION	0.0

ENVIROTECH RESEARCH, INC.

Client ID: **MW-15**
Site: Hexcel/Lodi, Wells

Lab Sample ID: **74963**
Lab Job No: F988

Date Sampled: 07/30/98
Date Received: 07/31/98
Date Extracted: 08/04/98
OK
Date Analyzed: 08/05/98
GC Column: DB-608
Instrument ID: PESTGC6.i

Matrix: WATER
Sample Volume: 990 ml
Extract Final Volume: 5.0 ml
Dilution Factor: 1.0
Lab File ID: nr002276.d

ORGANOCHLORINE PCBs - GC/ECD
METHOD 608

Parameter	Analytical Results Units: ug/l	Method Detection Limit Units: ug/l
Aroclor-1016	ND	0.30
Aroclor-1221	ND	0.40
Aroclor-1232	ND	0.30
Aroclor-1242	ND	0.30
Aroclor-1248	ND	0.30
Aroclor-1254	ND	0.40
Aroclor-1260	ND	0.20
Aroclor-1262	ND	0.20
Aroclor-1268	ND	0.20

ENVIROTECH RESEARCH, INC.

Client ID: **Dup-1**
Site: Hexcel/Lodi, Wells

Lab Sample No: **74964**
Lab Job No: F988

Date Sampled: 07/30/98
Date Received: 07/31/98
Date Analyzed: 08/11/98
OK
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v3603.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
METHOD 624

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
Chloromethane	ND	0.9
Bromomethane	ND	0.3
Vinyl Chloride	14	0.4
Chloroethane	ND	1.0
Methylene Chloride	ND	1.0
Trichlorofluoromethane	ND	0.2
1,1-Dichloroethene	ND	0.6
1,1-Dichloroethane	1.2	0.3
trans-1,2-Dichloroethene	ND	0.3
cis-1,2-Dichloroethene	4.3	1.0
Chloroform	ND	0.2
1,2-Dichloroethane	ND	0.2
1,1,1-Trichloroethane	ND	0.2
Carbon Tetrachloride	ND	0.2
Bromodichloromethane	ND	0.2
1,2-Dichloropropane	ND	0.5
cis-1,3-Dichloropropene	ND	0.3
Trichloroethene	ND	0.4
Dibromochloromethane	ND	0.2
1,1,2-Trichloroethane	ND	0.4
Benzene	ND	0.2
trans-1,3-Dichloropropene	ND	0.3
2-Chloroethyl Vinyl Ether	ND	0.5
Bromoform	ND	0.3
Tetrachloroethene	ND	0.1
1,1,2,2-Tetrachloroethane	ND	0.3
Toluene	ND	0.2
Chlorobenzene	3.9	0.1
Ethylbenzene	ND	0.2
Xylene (Total)	ND	1.0
TBA	ND	100
MTBE	1.9	1.0

ENVIROTECH RESEARCH, INC.

Client ID: **Dup-1**
Site: Hexcel/Lodi, Wells

Lab Sample No: **74964**
Lab Job No: F988

Date Sampled: 07/30/98
Date Received: 07/31/98
Date Analyzed: 08/11/98
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v3603.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 624

COMPOUND NAME	RT	EST. CONC. ug/l	Q
1. NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
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10.			
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26.			
27.			
28.			
29.			
30.			

TOTAL ESTIMATED CONCENTRATION 0.0

ENVIROTECH RESEARCH, INC.

Client ID: **Dup-1**
Site: Hexcel/Lodi, Wells

Lab Sample ID: **74964**
Lab Job No: F988

Date Sampled: 07/30/98
Date Received: 07/31/98
Date Extracted: 08/04/98
OK
Date Analyzed: 08/05/98
GC Column: DB-608
Instrument ID: PESTGC6.i

Matrix: WATER
Sample Volume: 990 ml
Extract Final Volume: 5.0 ml
Dilution Factor: 1.0
Lab File ID: nr002277.d

ORGANOCHLORINE PCBs - GC/ECD
METHOD 608

Parameter	Analytical Results Units: ug/l	Method Detection Limit Units: ug/l
Aroclor-1016	ND	0.30
Aroclor-1221	ND	0.40
Aroclor-1232	ND	0.30
Aroclor-1242	ND	0.30
Aroclor-1248	ND	0.30
Aroclor-1254	ND	0.40
Aroclor-1260	ND	0.20
Aroclor-1262	ND	0.20
Aroclor-1268	ND	0.20

ENVIROTECH RESEARCH, INC.

Client ID: **MW-22**
Site: Hexcel/Lodi, Wells

Lab Sample No: **74965**
Lab Job No: F988

Date Sampled: 07/30/98
Date Received: 07/31/98
Date Analyzed: 08/08/98
OK

GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v3554.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 10.0

VOLATILE ORGANICS - GC/MS
METHOD 624

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
Chloromethane	ND	9.3
Bromomethane	ND	2.7
Vinyl Chloride	ND	3.9
Chloroethane	ND	10
Methylene Chloride	ND	10
Trichlorofluoromethane	ND	2.3
1,1-Dichloroethene	ND	5.5
1,1-Dichloroethane	6.8	3.1
trans-1,2-Dichloroethene	ND	3.0
cis-1,2-Dichloroethene	1000	10
Chloroform	ND	2.0
1,2-Dichloroethane	ND	2.2
1,1,1-Trichloroethane	20	2.0
Carbon Tetrachloride	ND	1.6
Bromodichloromethane	ND	1.9
1,2-Dichloropropane	ND	4.6
cis-1,3-Dichloropropene	ND	3.3
Trichloroethene	ND	4.1
Dibromochloromethane	ND	2.3
1,1,2-Trichloroethane	ND	4.3
Benzene	ND	2.4
trans-1,3-Dichloropropene	ND	3.1
2-Chloroethyl Vinyl Ether	ND	4.6
Bromoform	ND	3.0
Tetrachloroethene	3.4	1.0
1,1,2,2-Tetrachloroethane	ND	3.3
Toluene	ND	1.8
Chlorobenzene	4.2	1.4
Ethylbenzene	ND	2.4
Xylene (Total)	ND	10
TBA	ND	1000
MTBE	ND	10

ENVIROTECH RESEARCH, INC.

Client ID: **MW-22**
Site: Hexcel/Lodi, Wells

Lab Sample No: **74965**
Lab Job No: F988

Date Sampled: 07/30/98
Date Received: 07/31/98
Date Analyzed: 08/08/98
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v3554.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 10.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 624

COMPOUND NAME	RT	EST. CONC. ug/l	Q
1. NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
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30.			

TOTAL ESTIMATED CONCENTRATION 0.0

ENVIROTECH RESEARCH, INC.

Client ID: **MW-22**
Site: Hexcel/Lodi, Wells

Lab Sample ID: **74965**
Lab Job No: F988

Date Sampled: 07/30/98
Date Received: 07/31/98
Date Extracted: 08/04/98
OK
Date Analyzed: 08/05/98
GC Column: DB-608
Instrument ID: PESTGC6.i

Matrix: WATER
Sample Volume: 960 ml
Extract Final Volume: 5.0 ml
Dilution Factor: 1.0
Lab File ID: nr002278.d

ORGANOCHLORINE PCBs - GC/ECD
METHOD 608

Parameter	Analytical Results Units: ug/l	Method Detection Limit Units: ug/l
Aroclor-1016	ND	0.30
Aroclor-1221	ND	0.40
Aroclor-1232	ND	0.30
Aroclor-1242	5.7	0.30
Aroclor-1248	ND	0.30
Aroclor-1254	ND	0.40
Aroclor-1260	ND	0.20
Aroclor-1262	ND	0.20
Aroclor-1268	ND	0.20

ENVIROTECH RESEARCH, INC.

Client ID: **MW-23**
Site: Hexcel/Lodi, Wells

Lab Sample No: **74966**
Lab Job No: F988

Date Sampled: 07/30/98
Date Received: 07/31/98 OK
Date Analyzed: 08/08/98
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v3555.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
METHOD 624

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
Chloromethane	ND	0.9
Bromomethane	ND	0.3
Vinyl Chloride	5.8	0.4
Chloroethane	ND	1.0
Methylene Chloride	ND	1.0
Trichlorofluoromethane	ND	0.2
1,1-Dichloroethene	ND	0.6
1,1-Dichloroethane	0.6	0.3
trans-1,2-Dichloroethene	0.4	0.3
cis-1,2-Dichloroethene	8.8	1.0
Chloroform	ND	0.2
1,2-Dichloroethane	ND	0.2
1,1,1-Trichloroethane	ND	0.2
Carbon Tetrachloride	ND	0.2
Bromodichloromethane	ND	0.2
1,2-Dichloropropane	ND	0.5
cis-1,3-Dichloropropene	ND	0.3
Trichloroethene	ND	0.4
Dibromochloromethane	ND	0.2
1,1,2-Trichloroethane	ND	0.4
Benzene	0.9	0.2
trans-1,3-Dichloropropene	ND	0.3
2-Chloroethyl Vinyl Ether	ND	0.5
Bromoform	ND	0.3
Tetrachloroethene	ND	0.1
1,1,2,2-Tetrachloroethane	ND	0.3
Toluene	7.8	0.2
Chlorobenzene	14	0.1
Ethylbenzene	1.7	0.2
Xylene (Total)	16	1.0
TBA	ND	100
MTBE	ND	1.0

ENVIROTECH RESEARCH, INC.

Client ID: **MW-23**
Site: Hexcel/Lodi, Wells

Lab Sample No: **74966**
Lab Job No: F988

Date Sampled: 07/30/98
Date Received: 07/31/98
Date Analyzed: 08/08/98
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v3555.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 624

COMPOUND NAME	RT	EST. CONC. ug/l	Q
1. Ethylmethylbenzene isomer	15.18	26	
2. Trimethylbenzene isomer	15.26	24	
3. Ethylmethylbenzene isomer	15.51	16	
4. Trimethylbenzene isomer	15.67	61	
5. C10H14 Aromatic	15.91	8.0	
6. Trimethylbenzene isomer	16.13	31	
7. 1H-Indene, 2,3-dihydro-/C10H14 Aromati	16.38	14	
8. Benzene, 1,2-dichloro-	16.53	10	
9. C10H14 Aromatic	16.69	3.9	
10. 2,3-dihydro-methyl-1H-Indene isomer	16.98	3.9	
11.			
12.			
13.			
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TOTAL ESTIMATED CONCENTRATION 198

ENVIROTECH RESEARCH, INC.

Client ID: **MW-23**
Site: Hexcel/Lodi, Wells

Lab Sample ID: **74966**
Lab Job No: F988

Date Sampled: 07/30/98
Date Received: 07/31/98
Date Extracted: 08/04/98
ok
Date Analyzed: 08/05/98
GC Column: DB-608
Instrument ID: PESTGC6.i

Matrix: WATER
Sample Volume: 990 ml
Extract Final Volume: 5.0 ml
Dilution Factor: 1.0
Lab File ID: nr002279.d

ORGANOCHLORINE PCBs - GC/ECD
METHOD 608

Parameter	Analytical Results Units: ug/l	Method Detection Limit Units: ug/l
Aroclor-1016	ND	0.30
Aroclor-1221	ND	0.40
Aroclor-1232	ND	0.30
Aroclor-1242	ND	0.30
Aroclor-1248	ND	0.30
Aroclor-1254	ND	0.40
Aroclor-1260	ND	0.20
Aroclor-1262	ND	0.20
Aroclor-1268	ND	0.20

ENVIROTECH RESEARCH, INC.

Client ID: **MW-24**
Site: Hexcel/Lodi, Wells

Lab Sample No: **74967**
Lab Job No: F988

Date Sampled: 07/30/98
Date Received: 07/31/98 OK
Date Analyzed: 08/09/98
GC Column: DB624
Instrument ID: VOAMS8.i
Lab File ID: j2590.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
METHOD 624

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
Chloromethane	ND	0.9
Bromomethane	ND	0.3
Vinyl Chloride	ND	0.4
Chloroethane	ND	1.0
Methylene Chloride	ND	1.0
Trichlorofluoromethane	ND	0.2
1,1-Dichloroethene	ND	0.6
1,1-Dichloroethane	ND	0.3
trans-1,2-Dichloroethene	ND	0.3
cis-1,2-Dichloroethene	ND	1.0
Chloroform	ND	0.2
1,2-Dichloroethane	ND	0.2
1,1,1-Trichloroethane	ND	0.2
Carbon Tetrachloride	ND	0.2
Bromodichloromethane	ND	0.2
1,2-Dichloropropane	ND	0.5
cis-1,3-Dichloropropene	ND	0.3
Trichloroethene	ND	0.4
Dibromochloromethane	ND	0.2
1,1,2-Trichloroethane	ND	0.4
Benzene	ND	0.2
trans-1,3-Dichloropropene	ND	0.3
2-Chloroethyl Vinyl Ether	ND	0.5
Bromoform	ND	0.3
Tetrachloroethene	ND	0.1
1,1,2,2-Tetrachloroethane	ND	0.3
Toluene	ND	0.2
Chlorobenzene	1.0	0.1
Ethylbenzene	ND	0.2
Xylene (Total)	ND	1.0
TBA	ND	100
MTBE	ND	1.0

ENVIROTECH RESEARCH, INC.

Client ID: **MW-24**
Site: Hexcel/Lodi, Wells

Lab Sample No: **74967**
Lab Job No: F988

Date Sampled: 07/30/98
Date Received: 07/31/98
Date Analyzed: 08/09/98
GC Column: DB624
Instrument ID: VOAMS8.i
Lab File ID: j2590.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 624

COMPOUND NAME	RT	EST. CONC. ug/l	Q
1. Propane, 2,2'-oxybis-	11.76	13	
2. Trimethylbenzene isomer	21.07	3.0	
3. Trimethylbenzene isomer	21.67	12	
4.			
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TOTAL ESTIMATED CONCENTRATION 28

ENVIROTECH RESEARCH, INC.

Client ID: **MW-24**
Site: Hexcel/Lodi, Wells

Lab Sample ID: **74967**
Lab Job No: F988

Date Sampled: 07/30/98
Date Received: 07/31/98
Date Extracted: 08/04/98
Date Analyzed: 08/05/98
GC Column: DB-608
Instrument ID: PESTGC6.i

OK

Matrix: WATER
Sample Volume: 980 ml
Extract Final Volume: 5.0 ml
Dilution Factor: 1.0
Lab File ID: nr002280.d

ORGANOCHLORINE PCBs - GC/ECD
METHOD 608

Parameter	Analytical Results Units: ug/l	Method Detection Limit Units: ug/l
Aroclor-1016	ND	0.30
Aroclor-1221	ND	0.40
Aroclor-1232	ND	0.30
Aroclor-1242	ND	0.30
Aroclor-1248	ND	0.30
Aroclor-1254	ND	0.40
Aroclor-1260	ND	0.20
Aroclor-1262	ND	0.20
Aroclor-1268	ND	0.20

ENVIROTECH RESEARCH, INC.

Client ID: **Field Blank**
Site: Hexcel/Lodi, Wells

Lab Sample No: **74968**
Lab Job No: F988

Date Sampled: 07/30/98
Date Received: 07/31/98 OK
Date Analyzed: 08/08/98
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v3557.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
METHOD 624

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
Chloromethane	ND	0.9
Bromomethane	ND	0.3
Vinyl Chloride	ND	0.4
Chloroethane	ND	1.0
Methylene Chloride	ND	1.0
Trichlorofluoromethane	ND	0.2
1,1-Dichloroethene	ND	0.6
1,1-Dichloroethane	ND	0.3
trans-1,2-Dichloroethene	ND	0.3
cis-1,2-Dichloroethene	ND	1.0
Chloroform	ND	0.2
1,2-Dichloroethane	ND	0.2
1,1,1-Trichloroethane	ND	0.2
Carbon Tetrachloride	ND	0.2
Bromodichloromethane	ND	0.2
1,2-Dichloropropane	ND	0.5
cis-1,3-Dichloropropene	ND	0.3
Trichloroethene	ND	0.4
Dibromochloromethane	ND	0.2
1,1,2-Trichloroethane	ND	0.4
Benzene	ND	0.2
trans-1,3-Dichloropropene	ND	0.3
2-Chloroethyl Vinyl Ether	ND	0.5
Bromoform	ND	0.3
Tetrachloroethene	ND	0.1
1,1,2,2-Tetrachloroethane	ND	0.3
Toluene	ND	0.2
Chlorobenzene	ND	0.1
Ethylbenzene	ND	0.2
Xylene (Total)	ND	1.0
TBA	ND	100
MTBE	ND	1.0

ENVIROTECH RESEARCH, INC.

Client ID: **Field Blank**
Site: Hexcel/Lodi, Wells

Lab Sample No: **74968**
Lab Job No: F988

Date Sampled: 07/30/98
Date Received: 07/31/98
Date Analyzed: 08/08/98
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v3557.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 624

COMPOUND NAME	RT	EST. CONC. ug/l	Q
1. NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
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TOTAL ESTIMATED CONCENTRATION 0.0

ENVIROTECH RESEARCH, INC.

Client ID: **Field_Blank**
Site: Hexcel/Lodi, Wells

Lab Sample ID: **74968**
Lab Job No: F988

Date Sampled: 07/30/98
Date Received: 07/31/98
Date Extracted: 08/04/98
Date Analyzed: 08/05/98
GC Column: DB-608
Instrument ID: PESTGC6.i

OK

Matrix: WATER
Sample Volume: 960 ml
Extract Final Volume: 5.0 ml
Dilution Factor: 1.0
Lab File ID: nr002281.d

ORGANOCHLORINE PCBs - GC/ECD
METHOD 608

Parameter	Analytical Results Units: ug/l	Method Detection Limit Units: ug/l
Aroclor-1016	ND	0.30
Aroclor-1221	ND	0.40
Aroclor-1232	ND	0.30
Aroclor-1242	ND	0.30
Aroclor-1248	ND	0.30
Aroclor-1254	ND	0.40
Aroclor-1260	ND	0.20
Aroclor-1262	ND	0.20
Aroclor-1268	ND	0.20

ENVIROTECH RESEARCH, INC.

Client ID: **Trip_Blank**
Site: Hexcel/Lodi, Wells

Lab Sample No: **74969**
Lab Job No: F988

Date Sampled: 07/30/98
Date Received: 07/31/98
Date Analyzed: 08/08/98
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v3558.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
METHOD 624

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
Chloromethane	ND	0.9
Bromomethane	ND	0.3
Vinyl Chloride	ND	0.4
Chloroethane	ND	1.0
Methylene Chloride	ND	1.0
Trichlorofluoromethane	ND	0.2
1,1-Dichloroethene	ND	0.6
1,1-Dichloroethane	ND	0.3
trans-1,2-Dichloroethene	ND	0.3
cis-1,2-Dichloroethene	ND	1.0
Chloroform	ND	0.2
1,2-Dichloroethane	ND	0.2
1,1,1-Trichloroethane	ND	0.2
Carbon Tetrachloride	ND	0.2
Bromodichloromethane	ND	0.2
1,2-Dichloropropane	ND	0.5
cis-1,3-Dichloropropene	ND	0.3
Trichloroethene	ND	0.4
Dibromochloromethane	ND	0.2
1,1,2-Trichloroethane	ND	0.4
Benzene	ND	0.2
trans-1,3-Dichloropropene	ND	0.3
2-Chloroethyl Vinyl Ether	ND	0.5
Bromoform	ND	0.3
Tetrachloroethene	ND	0.1
1,1,2,2-Tetrachloroethane	ND	0.3
Toluene	ND	0.2
Chlorobenzene	ND	0.1
Ethylbenzene	ND	0.2
Xylene (Total)	ND	1.0
TBA	ND	100
MTBE	ND	1.0

ENVIROTECH RESEARCH, INC.

Client ID: **Trip_Blank**
Site: Hexcel/Lodi, Wells

Lab Sample No: **74969**
Lab Job No: F988

Date Sampled: 07/30/98
Date Received: 07/31/98
Date Analyzed: 08/08/98
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v3558.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 624

COMPOUND NAME	RT	EST. CONC. ug/l	Q
1. NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
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TOTAL ESTIMATED CONCENTRATION 0.0

ENVIROTECH RESEARCH, INC.

Client ID: **MW-11**
Site: Hexcel/Lodi, Wells

Lab Sample No: **74970**
Lab Job No: F988

Date Sampled: 07/30/98
Date Received: 07/31/98
Date Analyzed: 08/08/98
ok
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v3559.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
METHOD 624

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
Chloromethane	ND	0.9
Bromomethane	ND	0.3
Vinyl Chloride	ND	0.4
Chloroethane	ND	1.0
Methylene Chloride	ND	1.0
Trichlorofluoromethane	ND	0.2
1,1-Dichloroethene	ND	0.6
1,1-Dichloroethane	ND	0.3
trans-1,2-Dichloroethene	ND	0.3
cis-1,2-Dichloroethene	5.2	1.0
Chloroform	1.3	0.2
1,2-Dichloroethane	ND	0.2
1,1,1-Trichloroethane	ND	0.2
Carbon Tetrachloride	6.7	0.2
Bromodichloromethane	ND	0.2
1,2-Dichloropropane	ND	0.5
cis-1,3-Dichloropropene	ND	0.3
Trichloroethene	7.4	0.4
Dibromochloromethane	ND	0.2
1,1,2-Trichloroethane	ND	0.4
Benzene	ND	0.2
trans-1,3-Dichloropropene	ND	0.3
2-Chloroethyl Vinyl Ether	ND	0.5
Bromoform	ND	0.3
Tetrachloroethene	0.5	0.1
1,1,2,2-Tetrachloroethane	ND	0.3
Toluene	ND	0.2
Chlorobenzene	7.5	0.1
Ethylbenzene	ND	0.2
Xylene (Total)	ND	1.0
TBA	ND	100
MTBE	ND	1.0

ENVIROTECH RESEARCH, INC.

Client ID: **MW-11**
Site: Hexcel/Lodi, Wells

Lab Sample No: **74970**
Lab Job No: F988

Date Sampled: 07/30/98
Date Received: 07/31/98
Date Analyzed: 08/08/98
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v3559.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 624

COMPOUND NAME	RT	EST. CONC. ug/l	Q
1. NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
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29.			
30.			

TOTAL ESTIMATED CONCENTRATION	0.0

ENVIROTECH RESEARCH, INC.

Client ID: **MW-11**
Site: Hexcel/Lodi, Wells

Lab Sample ID: **74970**
Lab Job No: F988

Date Sampled: 07/30/98
Date Received: 07/31/98
Date Extracted: 08/05/98
Date Analyzed: 08/09/98
GC Column: DB-608
Instrument ID: PESTGC6.i

OK

Matrix: WATER
Sample Volume: 990 ml
Extract Final Volume: 5.0 ml
Dilution Factor: 1.0
Lab File ID: nr002408.d

ORGANOCHLORINE PCBs - GC/ECD
METHOD 608

Parameter	Analytical Results Units: ug/l	Method Detection Limit Units: ug/l
Aroclor-1016	ND	0.30
Aroclor-1221	ND	0.40
Aroclor-1232	ND	0.30
Aroclor-1242	ND	0.30
Aroclor-1248	ND	0.30
Aroclor-1254	ND	0.40
Aroclor-1260	ND	0.20
Aroclor-1262	ND	0.20
Aroclor-1268	ND	0.20

ENVIROTECH RESEARCH, INC.

Client ID: **MW-10**
Site: Hexcel/Lodi, Wells

Lab Sample No: **74971**
Lab Job No: F988

Date Sampled: 07/30/98
Date Received: 07/31/98
Date Analyzed: 08/08/98
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v3560.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 50.0

VOLATILE ORGANICS - GC/MS
METHOD 624

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
Chloromethane	ND	46
Bromomethane	ND	14
Vinyl Chloride	ND	20
Chloroethane	120	52
Methylene Chloride	ND	52
Trichlorofluoromethane	ND	12
1,1-Dichloroethene	ND	28
1,1-Dichloroethane	ND	16
trans-1,2-Dichloroethene	ND	15
cis-1,2-Dichloroethene	ND	50
Chloroform	ND	10
1,2-Dichloroethane	ND	11
1,1,1-Trichloroethane	ND	10
Carbon Tetrachloride	ND	8.0
Bromodichloromethane	ND	9.5
1,2-Dichloropropane	ND	23
cis-1,3-Dichloropropene	ND	16
Trichloroethene	ND	20
Dibromochloromethane	ND	12
1,1,2-Trichloroethane	ND	22
Benzene	1500	12
trans-1,3-Dichloropropene	ND	16
2-Chloroethyl Vinyl Ether	ND	23
Bromoform	ND	15
Tetrachloroethene	ND	5.0
1,1,2,2-Tetrachloroethane	ND	16
Toluene	ND	9.0
Chlorobenzene	4700	7.0
Ethylbenzene	ND	12
Xylene (Total)	ND	50
TBA	ND	5000
MTBE	ND	50

ENVIROTECH RESEARCH, INC.

Client ID: **MW-10**
Site: Hexcel/Lodi, Wells

Lab Sample No: **74971**
Lab Job No: F988

Date Sampled: 07/30/98
Date Received: 07/31/98
Date Analyzed: 08/08/98
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v3560.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 50.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 624

COMPOUND NAME	RT	EST. CONC. ug/l	Q
1. Trimethylbenzene isomer	15.69	180	
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
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30.			

TOTAL ESTIMATED CONCENTRATION	180

ENVIROTECH RESEARCH, INC.

Client ID: **MW-10**
Site: Hexcel/Lodi, Wells

Lab Sample ID: **74971**
Lab Job No: F988

Date Sampled: 07/30/98
Date Received: 07/31/98
Date Extracted: 08/05/98
Date Analyzed: 08/09/98
GC Column: DB-608
Instrument ID: PESTGC6.i

ok

Matrix: WATER
Sample Volume: 940 ml
Extract Final Volume: 5.0 ml
Dilution Factor: 1.0
Lab File ID: nr002409.d

ORGANOCHLORINE PCBs - GC/ECD
METHOD 608

Parameter	Analytical Results Units: ug/l	Method Detection Limit Units: ug/l
Aroclor-1016	ND	0.30
Aroclor-1221	ND	0.40
Aroclor-1232	ND	0.30
Aroclor-1242	1.7	0.30
Aroclor-1248	ND	0.30
Aroclor-1254	ND	0.40
Aroclor-1260	ND	0.20
Aroclor-1262	ND	0.20
Aroclor-1268	ND	0.20

ENVIROTECH RESEARCH, INC.

Client ID: **MW-20**
Site: Hexcel/Lodi, Wells

Lab Sample No: **74972**
Lab Job No: F988

Date Sampled: 07/30/98
Date Received: 07/31/98
Date Analyzed: 08/08/98
OK
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v3563.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
METHOD 624

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
Chloromethane	ND	0.9
Bromomethane	ND	0.3
Vinyl Chloride	ND	0.4
Chloroethane	ND	1.0
Methylene Chloride	ND	1.0
Trichlorofluoromethane	ND	0.2
1,1-Dichloroethene	ND	0.6
1,1-Dichloroethane	ND	0.3
trans-1,2-Dichloroethene	ND	0.3
cis-1,2-Dichloroethene	0.5J	1.0
Chloroform	0.3	0.2
1,2-Dichloroethane	ND	0.2
1,1,1-Trichloroethane	ND	0.2
Carbon Tetrachloride	ND	0.2
Bromodichloromethane	ND	0.2
1,2-Dichloropropane	ND	0.5
cis-1,3-Dichloropropene	ND	0.3
Trichloroethene	1.2	0.4
Dibromochloromethane	ND	0.2
1,1,2-Trichloroethane	ND	0.4
Benzene	ND	0.2
trans-1,3-Dichloropropene	ND	0.3
2-Chloroethyl Vinyl Ether	ND	0.5
Bromoform	ND	0.3
Tetrachloroethene	0.6	0.1
1,1,2,2-Tetrachloroethane	ND	0.3
Toluene	ND	0.2
Chlorobenzene	ND	0.1
Ethylbenzene	ND	0.2
Xylene (Total)	ND	1.0
TBA	ND	100
MTBE	1.0	1.0

ENVIROTECH RESEARCH, INC.

Client ID: **MW-20**
Site: Hexcel/Lodi, Wells

Lab Sample No: **74972**
Lab Job No: F988

Date Sampled: 07/30/98
Date Received: 07/31/98
Date Analyzed: 08/08/98
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v3563.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 624

COMPOUND NAME	RT	EST. CONC. ug/l	Q
1. NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
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27.			
28.			
29.			
30.			

TOTAL ESTIMATED CONCENTRATION 0.0

ENVIROTECH RESEARCH, INC.

Client ID: **MW-20**
Site: Hexcel/Lodi, Wells

Lab Sample ID: **74972**
Lab Job No: F988

Date Sampled: 07/30/98
Date Received: 07/31/98
Date Extracted: 08/05/98
Date Analyzed: 08/09/98
GC Column: DB-608
Instrument ID: PESTGC6.i

OK

Matrix: WATER
Sample Volume: 990 ml
Extract Final Volume: 5.0 ml
Dilution Factor: 1.0
Lab File ID: nr002410.d

ORGANOCHLORINE PCBs - GC/ECD
METHOD 608

Parameter	Analytical Results Units: ug/l	Method Detection Limit Units: ug/l
Aroclor-1016	ND	0.30
Aroclor-1221	ND	0.40
Aroclor-1232	ND	0.30
Aroclor-1242	ND	0.30
Aroclor-1248	ND	0.30
Aroclor-1254	ND	0.40
Aroclor-1260	ND	0.20
Aroclor-1262	ND	0.20
Aroclor-1268	ND	0.20

ENVIROTECH RESEARCH, INC.

Client ID: **MW-1**
Site: Hexcel/Lodi, Wells

Lab Sample No: **74973**
Lab Job No: F988

Date Sampled: 07/30/98
Date Received: 07/31/98
Date Analyzed: 08/08/98
OK
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v3564.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 50.0

VOLATILE ORGANICS - GC/MS
METHOD 624

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
Chloromethane	ND	46
Bromomethane	ND	14
Vinyl Chloride	49	20
Chloroethane	ND	52
Methylene Chloride	ND	52
Trichlorofluoromethane	ND	12
1,1-Dichloroethene	ND	28
1,1-Dichloroethane	ND	16
trans-1,2-Dichloroethene	ND	15
cis-1,2-Dichloroethene	1700	50
Chloroform	ND	10
1,2-Dichloroethane	ND	11
1,1,1-Trichloroethane	ND	10
Carbon Tetrachloride	ND	8.0
Bromodichloromethane	ND	9.5
1,2-Dichloropropane	ND	23
cis-1,3-Dichloropropene	ND	16
Trichloroethene	ND	20
Dibromochloromethane	ND	12
1,1,2-Trichloroethane	ND	22
Benzene	ND	12
trans-1,3-Dichloropropene	ND	16
2-Chloroethyl Vinyl Ether	ND	23
Bromoform	ND	15
Tetrachloroethene	ND	5.0
1,1,2,2-Tetrachloroethane	ND	16
Toluene	ND	9.0
Chlorobenzene	ND	7.0
Ethylbenzene	ND	12
Xylene (Total)	ND	50
TBA	ND	5000
MTBE	ND	50

ENVIROTECH RESEARCH, INC.

Client ID: **MW-1**
Site: Hexcel/Lodi, Wells

Lab Sample No: **74973**
Lab Job No: F988

Date Sampled: 07/30/98
Date Received: 07/31/98
Date Analyzed: 08/08/98
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v3564.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 50.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 624

COMPOUND NAME	RT	EST. CONC. ug/l	Q
1. NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
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28.			
29.			
30.			

TOTAL ESTIMATED CONCENTRATION 0.0

ENVIROTECH RESEARCH, INC.

Client ID: **MW-1**
Site: Hexcel/Lodi, Wells

Lab Sample ID: **74973**
Lab Job No: F988

Date Sampled: 07/30/98
Date Received: 07/31/98
Date Extracted: 08/05/98
OK
Date Analyzed: 08/09/98
GC Column: DB-608
Instrument ID: PESTGC6.i

Matrix: WATER
Sample Volume: 910 ml
Extract Final Volume: 5.0 ml
Dilution Factor: 1.0
Lab File ID: nr002411.d

ORGANOCHLORINE PCBs - GC/ECD
METHOD 608

Parameter	Analytical Results Units: ug/l	Method Detection Limit Units: ug/l
Aroclor-1016	ND	0.30
Aroclor-1221	ND	0.40
Aroclor-1232	ND	0.30
Aroclor-1242	ND	0.30
Aroclor-1248	ND	0.30
Aroclor-1254	ND	0.40
Aroclor-1260	ND	0.20
Aroclor-1262	ND	0.20
Aroclor-1268	ND	0.20

ENVIROTECH RESEARCH, INC.

Client ID: **MW-17**
Site: Hexcel/Lodi, Wells

Lab Sample No: **74974**
Lab Job No: F988

Date Sampled: 07/30/98
Date Received: 07/31/98
Date Analyzed: 08/09/98
OK
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v3565.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 2000.0

VOLATILE ORGANICS - GC/MS
METHOD 624

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
Chloromethane	ND	1900
Bromomethane	ND	540
Vinyl Chloride	ND	780
Chloroethane	ND	2100
Methylene Chloride	4300	2100
Trichlorofluoromethane	ND	460
1,1-Dichloroethene	ND	1100
1,1-Dichloroethane	1000	620
trans-1,2-Dichloroethene	ND	600
cis-1,2-Dichloroethene	230000	2000
Chloroform	ND	400
1,2-Dichloroethane	ND	440
1,1,1-Trichloroethane	3600	400
Carbon Tetrachloride	ND	320
Bromodichloromethane	ND	380
1,2-Dichloropropane	ND	920
cis-1,3-Dichloropropene	ND	660
Trichloroethene	2200	820
Dibromochloromethane	ND	460
1,1,2-Trichloroethane	ND	860
Benzene	ND	480
trans-1,3-Dichloropropene	ND	620
2-Chloroethyl Vinyl Ether	ND	920
Bromoform	ND	600
Tetrachloroethene	3100	200
1,1,2,2-Tetrachloroethane	ND	660
Toluene	ND	360
Chlorobenzene	ND	280
Ethylbenzene	ND	480
Xylene (Total)	ND	2000
TBA	ND	200000
MTBE	ND	2000

ENVIROTECH RESEARCH, INC.

Client ID: **MW-17**
Site: Hexcel/Lodi, Wells

Lab Sample No: **74974**
Lab Job No: F988

Date Sampled: 07/30/98
Date Received: 07/31/98
Date Analyzed: 08/09/98
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v3565.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 2000.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 624

COMPOUND NAME	RT	EST. CONC. ug/l	Q
1. NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
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TOTAL ESTIMATED CONCENTRATION 0.0

ENVIROTECH RESEARCH, INC.

Client ID: **MW-17**
Site: Hexcel/Lodi, Wells

Lab Sample ID: **74974**
Lab Job No: F988

Date Sampled: 07/30/98
Date Received: 07/31/98
Date Extracted: 08/05/98
Date Analyzed: 08/14/98
GC Column: DB-608
Instrument ID: PESTGC6.i

OK

Matrix: WATER
Sample Volume: 990 ml
Extract Final Volume: 5.0 ml
Dilution Factor: 50.0
Lab File ID: nr002572.d

ORGANOCHLORINE PCBs - GC/ECD
METHOD 608

Parameter	Analytical Results Units: ug/l	Method Detection Limit Units: ug/l
Aroclor-1016	ND	15
Aroclor-1221	ND	20
Aroclor-1232	ND	15
Aroclor-1242	150	15
Aroclor-1248	ND	15
Aroclor-1254	ND	20
Aroclor-1260	ND	10
Aroclor-1262	ND	10
Aroclor-1268	ND	10

ENVIROTECH RESEARCH, INC.

Client ID: **MW-4**
Site: Hexcel/Lodi, Wells

Lab Sample No: **74975**
Lab Job No: F988

Date Sampled: 07/30/98
Date Received: 07/31/98
Date Analyzed: 08/09/98
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v3566.d

OK

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 2000.0

VOLATILE ORGANICS - GC/MS
METHOD 624

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
Chloromethane	ND	1900
Bromomethane	ND	540
Vinyl Chloride	ND	780
Chloroethane	ND	2100
Methylene Chloride	4300	2100
Trichlorofluoromethane	ND	460
1,1-Dichloroethene	ND	1100
1,1-Dichloroethane	ND	620
trans-1,2-Dichloroethene	ND	600
cis-1,2-Dichloroethene	190000	2000
Chloroform	ND	400
1,2-Dichloroethane	ND	440
1,1,1-Trichloroethane	3700	400
Carbon Tetrachloride	ND	320
Bromodichloromethane	ND	380
1,2-Dichloropropane	ND	920
cis-1,3-Dichloropropene	ND	660
Trichloroethene	ND	820
Dibromochloromethane	ND	460
1,1,2-Trichloroethane	ND	860
Benzene	ND	480
trans-1,3-Dichloropropene	ND	620
2-Chloroethyl Vinyl Ether	ND	920
Bromoform	ND	600
Tetrachloroethene	ND	200
1,1,2,2-Tetrachloroethane	ND	660
Toluene	ND	360
Chlorobenzene	ND	280
Ethylbenzene	ND	480
Xylene (Total)	ND	2000
TBA	ND	200000
MTBE	ND	2000

ENVIROTECH RESEARCH, INC.

Client ID: **MW-4**
Site: Hexcel/Lodi, Wells

Lab Sample No: **74975**
Lab Job No: F988

Date Sampled: 07/30/98
Date Received: 07/31/98
Date Analyzed: 08/09/98
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v3566.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 2000.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 624

COMPOUND NAME	RT	EST. CONC. ug/l	Q
1. NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.			
3.			
4.			
5.			
6.			
7.			
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29.			
30.			

TOTAL ESTIMATED CONCENTRATION 0.0

ENVIROTECH RESEARCH, INC.

Client ID: **MW-4**
Site: Hexcel/Lodi, Wells

Lab Sample ID: **74975**
Lab Job No: F988

Date Sampled: 07/30/98
Date Received: 07/31/98
Date Extracted: 08/05/98
Date Analyzed: 08/12/98
GC Column: DB-608
Instrument ID: PESTGC6.i

OK

Matrix: WATER
Sample Volume: 930 ml
Extract Final Volume: 5.0 ml
Dilution Factor: 1.0
Lab File ID: nr002498.d

ORGANOCHLORINE PCBs - GC/ECD
METHOD 608

Parameter	Analytical Results Units: ug/l	Method Detection Limit Units: ug/l
Aroclor-1016	ND	0.30
Aroclor-1221	ND	0.40
Aroclor-1232	ND	0.30
Aroclor-1242	1.4	0.30
Aroclor-1248	ND	0.30
Aroclor-1254	ND	0.40
Aroclor-1260	ND	0.20
Aroclor-1262	ND	0.20
Aroclor-1268	ND	0.20

ENVIROTECH RESEARCH, INC.

Client ID: **MW-5**
Site: Hexcel/Lodi, Wells

Lab Sample No: **74976**
Lab Job No: F988

Date Sampled: 07/30/98
Date Received: 07/31/98
Date Analyzed: 08/09/98
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v3567.d

OK

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
METHOD 624

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
Chloromethane	ND	0.9
Bromomethane	ND	0.3
Vinyl Chloride	65	0.4
Chloroethane	ND	1.0
Methylene Chloride	ND	1.0
Trichlorofluoromethane	ND	0.2
1,1-Dichloroethene	1.3	0.6
1,1-Dichloroethane	14	0.3
trans-1,2-Dichloroethene	3.9	0.3
cis-1,2-Dichloroethene	170	1.0
Chloroform	ND	0.2
1,2-Dichloroethane	3.9	0.2
1,1,1-Trichloroethane	ND	0.2
Carbon Tetrachloride	ND	0.2
Bromodichloromethane	ND	0.2
1,2-Dichloropropane	ND	0.5
cis-1,3-Dichloropropene	ND	0.3
Trichloroethene	9.4	0.4
Dibromochloromethane	ND	0.2
1,1,2-Trichloroethane	ND	0.4
Benzene	3.3	0.2
trans-1,3-Dichloropropene	ND	0.3
2-Chloroethyl Vinyl Ether	ND	0.5
Bromoform	ND	0.3
Tetrachloroethene	2.1	0.1
1,1,2,2-Tetrachloroethane	ND	0.3
Toluene	5.0	0.2
Chlorobenzene	91	0.1
Ethylbenzene	0.4	0.2
Xylene (Total)	1.3	1.0
TBA	ND	100
MTBE	4.0	1.0

ENVIROTECH RESEARCH, INC.

Client ID: **MW-5**
Site: Hexcel/Lodi, Wells

Lab Sample No: **74976**
Lab Job No: F988

Date Sampled: 07/30/98
Date Received: 07/31/98
Date Analyzed: 08/09/98
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v3567.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 624

COMPOUND NAME	RT	EST. CONC. ug/l	Q
1. Benzene, 1,4-dichloro-	16.13	18	
2. Benzene, 1,2-dichloro-	16.55	64	
3.			
4.			
5.			
6.			
7.			
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28.			
29.			
30.			

TOTAL ESTIMATED CONCENTRATION 82

ENVIROTECH RESEARCH, INC.

Client ID: **MW-5**
Site: Hexcel/Lodi, Wells

Lab Sample ID: **74976**
Lab Job No: F988

Date Sampled: 07/30/98
Date Received: 07/31/98
Date Extracted: 08/05/98
Date Analyzed: 08/09/98
GC Column: DB-608
Instrument ID: PESTGC6.i

OK

Matrix: WATER
Sample Volume: 980 ml
Extract Final Volume: 5.0 ml
Dilution Factor: 1.0
Lab File ID: nr002414.d

ORGANOCHLORINE PCBs - GC/ECD
METHOD 608

Parameter	Analytical Results Units: ug/l	Method Detection Limit Units: ug/l
Aroclor-1016	ND	0.30
Aroclor-1221	ND	0.40
Aroclor-1232	ND	0.30
Aroclor-1242	ND	0.30
Aroclor-1248	ND	0.30
Aroclor-1254	ND	0.40
Aroclor-1260	ND	0.20
Aroclor-1262	ND	0.20
Aroclor-1268	ND	0.20

ENVIROTECH RESEARCH, INC.

Client ID: **MW-27**
Site: Hexcel/Lodi, Wells

Lab Sample No: **74977**
Lab Job No: F988

Date Sampled: 07/30/98
Date Received: 07/31/98
Date Analyzed: 08/09/98
OK

GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v3568.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 2500.0

VOLATILE ORGANICS - GC/MS
METHOD 624

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
Chloromethane	ND	2300
Bromomethane	ND	680
Vinyl Chloride	ND	980
Chloroethane	ND	2600
Methylene Chloride	22000	2600
Trichlorofluoromethane	ND	580
1,1-Dichloroethene	ND	1400
1,1-Dichloroethane	950	780
trans-1,2-Dichloroethene	ND	750
cis-1,2-Dichloroethene	460000	2500
Chloroform	ND	500
1,2-Dichloroethane	ND	550
1,1,1-Trichloroethane	1400	500
Carbon Tetrachloride	ND	400
Bromodichloromethane	ND	480
1,2-Dichloropropane	ND	1200
cis-1,3-Dichloropropene	ND	820
Trichloroethene	ND	1000
Dibromochloromethane	ND	580
1,1,2-Trichloroethane	ND	1100
Benzene	ND	600
trans-1,3-Dichloropropene	ND	780
2-Chloroethyl Vinyl Ether	ND	1200
Bromoform	ND	750
Tetrachloroethene	460	250
1,1,2,2-Tetrachloroethane	ND	820
Toluene	3500	450
Chlorobenzene	4700	350
Ethylbenzene	ND	600
Xylene (Total)	ND	2500
TBA	ND	250000
MTBE	ND	2500

ENVIROTECH RESEARCH, INC.

Client ID: **MW-27**
Site: Hexcel/Lodi, Wells

Lab Sample No: **74977**
Lab Job No: F988

Date Sampled: 07/30/98
Date Received: 07/31/98
Date Analyzed: 08/09/98
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v3568.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 2500.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 624

COMPOUND NAME	RT	EST. CONC. ug/l	Q
1. NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
13.			
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28.			
29.			
30.			

TOTAL ESTIMATED CONCENTRATION 0.0

ENVIROTECH RESEARCH, INC.

Client ID: **MW-27**
Site: Hexcel/Lodi, Wells

Lab Sample ID: **74977**
Lab Job No: F988

Date Sampled: 07/30/98
Date Received: 07/31/98
Date Extracted: 08/05/98
Date Analyzed: 08/09/98
GC Column: DB-608
Instrument ID: PESTGC6.i

OK

Matrix: WATER
Sample Volume: 970 ml
Extract Final Volume: 5.0 ml
Dilution Factor: 1.0
Lab File ID: nr002415.d

ORGANOCHLORINE PCBs - GC/ECD
METHOD 608

Parameter	Analytical Results Units: ug/l	Method Detection Limit Units: ug/l
Aroclor-1016	ND	0.30
Aroclor-1221	ND	0.40
Aroclor-1232	ND	0.30
Aroclor-1242	4.1	0.30
Aroclor-1248	ND	0.30
Aroclor-1254	ND	0.40
Aroclor-1260	ND	0.20
Aroclor-1262	ND	0.20
Aroclor-1268	ND	0.20

ENVIROTECH RESEARCH, INC.

Client ID: **MW-26**
Site: Hexcel/Lodi, Wells

Lab Sample No: **74978**
Lab Job No: F988

Date Sampled: 07/30/98
Date Received: 07/31/98
Date Analyzed: 08/09/98
OK
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v3569.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 2000.0

VOLATILE ORGANICS - GC/MS
METHOD 624

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
Chloromethane	ND	1900
Bromomethane	ND	540
Vinyl Chloride	1300	780
Chloroethane	ND	2100
Methylene Chloride	150000	2100
Trichlorofluoromethane	ND	460
1,1-Dichloroethene	ND	1100
1,1-Dichloroethane	3500	620
trans-1,2-Dichloroethene	ND	600
cis-1,2-Dichloroethene	5300	2000
Chloroform	18000	400
1,2-Dichloroethane	130000	440
1,1,1-Trichloroethane	21000	400
Carbon Tetrachloride	ND	320
Bromodichloromethane	ND	380
1,2-Dichloropropane	ND	920
cis-1,3-Dichloropropene	ND	660
Trichloroethene	2200	820
Dibromochloromethane	ND	460
1,1,2-Trichloroethane	ND	860
Benzene	ND	480
trans-1,3-Dichloropropene	ND	620
2-Chloroethyl Vinyl Ether	ND	920
Bromoform	ND	600
Tetrachloroethene	54000	200
1,1,2,2-Tetrachloroethane	ND	660
Toluene	8000	360
Chlorobenzene	230000	280
Ethylbenzene	ND	480
Xylene (Total)	ND	2000
TBA	ND	200000
MTBE	ND	2000

ENVIROTECH RESEARCH, INC.

Client ID: **MW-26**
Site: Hexcel/Lodi, Wells

Lab Sample No: **74978**
Lab Job No: F988

Date Sampled: 07/30/98
Date Received: 07/31/98
Date Analyzed: 08/09/98
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v3569.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 2000.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 624

COMPOUND NAME	RT	EST. CONC. ug/l	Q
1. Ethane, 1,1,2-trichloro-1,2,2-trifluor	6.14	6100	
2.			
3.			
4.			
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29.			
30.			

TOTAL ESTIMATED CONCENTRATION 6100

ENVIROTECH RESEARCH, INC.

Client ID: **MW-26**
Site: Hexcel/Lodi, Wells

Lab Sample ID: **74978**
Lab Job No: F988

Date Sampled: 07/30/98
Date Received: 07/31/98
Date Extracted: 08/05/98
Date Analyzed: 08/19/98
GC Column: DB-608
Instrument ID: PESTGC6.i

OK

Matrix: WATER
Sample Volume: 990 ml
Extract Final Volume: 5.0 ml
Dilution Factor: 100.0
Lab File ID: nr002746.d

ORGANOCHLORINE PCBs - GC/ECD
METHOD 608

Parameter	Analytical Results Units: ug/l	Method Detection Limit Units: ug/l
Aroclor-1016	ND	30
Aroclor-1221	ND	40
Aroclor-1232	ND	30
Aroclor-1242	ND	30
Aroclor-1248	ND	30
Aroclor-1254	ND	40
Aroclor-1260	ND	20
Aroclor-1262	ND	20
Aroclor-1268	ND	20

ENVIROTECH RESEARCH, INC.

Client ID: **MW-21**
Site: Hexcel/Lodi, Wells

Lab Sample No: **74979**
Lab Job No: F988

Date Sampled: 07/30/98
Date Received: 07/31/98
Date Analyzed: 08/09/98
OK

GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v3570.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 50.0

VOLATILE ORGANICS - GC/MS
METHOD 624

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
Chloromethane	ND	46
Bromomethane	ND	14
Vinyl Chloride	1100	20
Chloroethane	ND	52
Methylene Chloride	ND	52
Trichlorofluoromethane	ND	12
1,1-Dichloroethene	ND	28
1,1-Dichloroethane	50	16
trans-1,2-Dichloroethene	47	15
cis-1,2-Dichloroethene	8300	50
Chloroform	ND	10
1,2-Dichloroethane	ND	11
1,1,1-Trichloroethane	ND	10
Carbon Tetrachloride	ND	8.0
Bromodichloromethane	ND	9.5
1,2-Dichloropropane	ND	23
cis-1,3-Dichloropropene	ND	16
Trichloroethene	ND	20
Dibromochloromethane	ND	12
1,1,2-Trichloroethane	ND	22
Benzene	31	12
trans-1,3-Dichloropropene	ND	16
2-Chloroethyl Vinyl Ether	ND	23
Bromoform	ND	15
Tetrachloroethene	ND	5.0
1,1,2,2-Tetrachloroethane	ND	16
Toluene	ND	9.0
Chlorobenzene	3700	7.0
Ethylbenzene	ND	12
Xylene (Total)	ND	50
TBA	ND	5000
MTBE	ND	50

ENVIROTECH RESEARCH, INC.

Client ID: **MW-21**
Site: Hexcel/Lodi, Wells

Lab Sample No: **74979**
Lab Job No: F988

Date Sampled: 07/30/98
Date Received: 07/31/98
Date Analyzed: 08/09/98
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v3570.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 50.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 624

COMPOUND NAME	RT	EST. CONC. ug/l	Q
1. Benzene, 1,4-dichloro-	16.16	150	
2.			
3.			
4.			
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TOTAL ESTIMATED CONCENTRATION 150

ENVIROTECH RESEARCH, INC.

Client ID: **MW-21**
Site: Hexcel/Lodi, Wells

Lab Sample ID: **74979**
Lab Job No: F988

Date Sampled: 07/30/98
Date Received: 07/31/98
Date Extracted: 08/03/98
Date Analyzed: 08/06/98
GC Column: DB-608
Instrument ID: PESTGC6.i

OK

Matrix: WATER
Sample Volume: 990 ml
Extract Final Volume: 5.0 ml
Dilution Factor: 1.0
Lab File ID: nr002307.d

ORGANOCHLORINE PCBs - GC/ECD
METHOD 608

Parameter	Analytical Results Units: ug/l	Method Detection Limit Units: ug/l
Aroclor-1016	ND	0.30
Aroclor-1221	ND	0.40
Aroclor-1232	ND	0.30
Aroclor-1242	ND	0.30
Aroclor-1248	0.38	0.30
Aroclor-1254	ND	0.40
Aroclor-1260	ND	0.20
Aroclor-1262	ND	0.20
Aroclor-1268	ND	0.20

Monitoring Well Data

Client: Haley & Aldrich Project: Hexcel Facility/Lodi

Job No: F988 Date Sampled: 7/30/98 Analyst: R. Toogood

Well ID	MW11	MW10	MW20	MW1	MW17	MW4	MW5
Depth to Water From TOC feet (before purging)	10.50	12.78	5.43	10.37	9.62	8.14	11.62
Depth to Water From TOC feet (after purging)	11.37	14.41	Dry	18.74	12.55	Dry	15.46
Depth to Water From TOC feet (before sampling)	10.68	13.82	13.51	13.83	10.35	9.11	12.05
Depth to Bottom From TOC feet	33.47	16.79	20.07	23.53	14.09	9.89	28.86
PID Reading from Well Casing (ppm)	0.0	0.0	0.0	0.0	35.0	180.0	0.0
pH before Purge	6.92	6.23	6.13	6.51	5.23	6.68	6.86
Temp. before Purge (°C)	18.5	19.9	19.8	21.2	24.3	20.5	20.6
Diss. Oxygen before Purge (ppm)	1.0	0.7	3.3	1.1	0.4	2.6	1.2
Cond. before Purge (umhos/cm)	710	1600	480	550	1820	1050	900
Water Volume in Well (gal.)	15.0	2.61	9.55	8.59	2.92	1.14	11.25
Purge Method	Peristaltic pump	Peristaltic pump	Peristaltic pump	Peristaltic pump	Peristaltic pump	Peristaltic pump	Peristaltic pump
Purge Start Time	8:11	8:42	9:37	10:19	10:22	11:38	11:38
Purge End Time	8:52	9:19	10:00	11:06	10:41	11:48	12:11
Purge Rate (gpm)	1.1	0.2	0.4	0.6	0.5	0.1	1.0
Volume Purged (gal.)	45	8	9	26	9	4	34
pH after Purge	6.97	6.29	6.27	6.42	5.84	6.39	6.57
Temp. after Purge (°C)	16.7	23.0	17.2	18.9	20.8	25.2	17.8
Diss. Oxygen after Purge (ppm)	1.2	1.2	3.1	1.2	0.3	1.2	1.2
Cond. after Purge (umhos/cm)	700	1750	490	500	1600	1100	800
pH at Sample	6.95	6.44	6.21	6.47	5.90	6.37	7.02
Temp. at Sample (°C)	17.7	17.4	17.0	19.0	20.2	24.3	19.8
Diss. Oxygen at Sample (ppm)	1.4	0.9	3.2	1.6	0.3	0.8	0.8
Cond. at Sample (umhos/cm)	700	1750	480	500	1600	1100	850
Sampling Method	Teflon bailer	Teflon bailer	Teflon bailer	Teflon bailer	Teflon bailer	Teflon bailer	Teflon bailer
Time of Sampling	9:10	9:22	11:21	11:16	11:10	13:46	12:21

Monitoring Well Data

Well ID	MW27	MW26	MW21	MW33	MW19	MW14	MW15
Depth to Water From TOC feet (before purging)	7.40	7.60	8.94	10.07	7.58	17.80	9.41
Depth to Water From TOC feet (after purging)	10.99	Dry	Dry	10.48	8.14	Dry	15.25
Depth to Water From TOC feet (before sampling)	10.12	14.46	9.61	10.10	7.68	11.21	11.41
Depth to Bottom From TOC feet	12.52	17.94	15.14	16.98	26.61	15.60	25.62
PID Reading from Well Casing (ppm)	2000.0	20.0	0.0	0.0	0.0	0.0	0.0
pH before Purge	6.61	7.10	6.52	6.54	7.19	6.66	10.53
Temp. before Purge (°C)	23.3	22.6	22.0	21.1	21.4	23.7	22.0
Diss. Oxygen before Purge (ppm)	0.3	1.0	0.6	1.0	1.5	0.7	3.6
Cond. before Purge (umhos/cm)	1800	1700	1400	800	575	900	600
Water Volume in Well (gal.)	3.34	1.68	4.04	4.51	12.42	2.48	10.58
Purge Method	Peristaltic pump	Peristaltic pump	Peristaltic pump	Peristaltic pump	Peristaltic pump	Peristaltic pump	Peristaltic pump
Purge Start Time	11:55	12:50	13:11	13:08	14:05	15:28	15:27
Purge End Time	12:09	12:55	13:29	13:25	14:41	15:39	16:15
Purge Rate (gpm)	0.7	0.3	0.5	0.8	1.1	0.4	0.7
Volume Purged (gal.)	11	1.75	9.5	14	38	4	32
pH after Purge	6.62	7.26	6.77	6.60	6.74	6.44	7.49
Temp. after Purge (°C)	20.8	19.7	20.7	19.8	17.9	21.3	18.7
Diss. Oxygen after Purge (ppm)	0.3	3.3	0.9	0.7	0.9	1.3	0.8
Cond. after Purge (umhos/cm)	2000	1600	2400	850	600	800	610
pH at Sample	6.59	7.27	6.42	6.58	6.99	6.35	7.64
Temp. at Sample (°C)	18.2	20.4	21	21.8	20.1	20.2	17.9
Diss. Oxygen at Sample (ppm)	0.3	1.4	0.8	1.4	1.8	2.4	1.1
Cond. at Sample (umhos/cm)	2000	1600	1050	1000	600	750	600
Sampling Method	Teflon bailer	Teflon bailer	Teflon bailer	Teflon bailer	Teflon bailer	Teflon bailer	Teflon bailer
Time of Sampling	12:16	14:55	15:10	13:36	14:47	17:37	16:23

Monitoring Well Data

Well ID	MW22	MW23	MW24
Depth to Water From TOC feet (before purging)	6.00	4.78	4.11
Depth to Water From TOC feet (after purging)	Dry	5.16	Dry
Depth to Water From TOC feet (before sampling)	7.51	4.92	7.06
Depth to Bottom From TOC feet	8.26	9.64	9.67
PID Reading from Well Casing (ppm)	130.0	1.0	0.0
pH before Purge	5.39	6.28	6.69
Temp. before Purge (°C)	25.9	26.8	24.2
Diss. Oxygen before Purge (ppm)	1.5	0.8	0.5
Cond. before Purge (umhos/cm)	220	700	500
Water Volume in Well (gal.)	1.47	3.17	3.63
Purge Method	Peristaltic pump	Peristaltic pump	Peristaltic pump
Purge Start Time	17:17	16:44	16:46
Purge End Time	17:31	17:05	17:10
Purge Rate (gpm)	0.1	0.5	0.3
Volume Purged (gal.)	1.2	10	7
pH after Purge	5.47	6.27	6.55
Temp. after Purge (°C)	25.7	25.3	21.8
Diss. Oxygen after Purge (ppm)	0.9	0.7	0.8
Cond. after Purge (umhos/cm)	240	800	1200
pH at Sample	5.57	6.27	6.52
Temp. at Sample (°C)	23.4	25.0	21.1
Diss. Oxygen at Sample (ppm)	1.1	0.8	1.2
Cond. at Sample (umhos/cm)	340	800	1500
Sampling Method	Teflon bailer	Teflon bailer	Teflon bailer
Time of Sampling	18:07	17:26	17:56

ENVIROTECH RESEARCH INC.
777 New Durham Road
Edison, New Jersey 08817
Phone: (732) 549-3900 Fax: (732) 549-3679

CHAIN OF CUSTODY / ANALYSIS REQUEST

Name (for report and invoice) Sunila Gupta	Samplers Name (Printed) R. Toogood, M. Morse	Site/Project Identification Hexcel Facility/Lodi
Company Haley & Aldrich, Inc.	P.O. #	State (Location of site): NJ: [X] NY: [ ] Other:
		Regulatory Program:
150 Mineral Springs Drive	Analysis Turnaround Time: Standard [X]	LAB USE ONLY Project No: 710114
City Dover State NJ Zip O7801	Rush Charges Authorized For: 2 Week [ ] 1 Week [ ] Other [ ]	Job No: F988
Phone (973) 361-3600 Fax		

ANALYSIS REQUESTED (ENTER "X" BELOW TO INDICATE REQ

Sample Identification	Date	Time	Matrix	No. of. Cont.	VOC10 incl. xylenes MTBE, TBA 624	PCB's by 608										Sample Numbers
MW33	7/30/98	1336	Aq	4	x	x										74960
MW19		1447		4	x	x										74961
MW14		1737		4	x	x										74962
MW15		1623		4	x	x										74963
Dup1		—		4	x	x										74964
MW22		1807		4	x	x										74965
MW23		1726		4	x	x										74966
MW24		1756		4	x	x										74967
Field Blank		1750		3	x	x										74968
Trip Blank		549		2	x											74969

Preservation Used: 1 = ICE, 2 = HCl, 3 = H_2SO_4, 4 = HNO_3, 5 = NaOH
6 = Other _____, 7 = Other _____

Soil:		
Water:	1,2	1

Special Instructions: _____ Water Metals Filtered (Yes/No)? _____

Relinquished by	Company	Date / Time	Received by	Company
1) R. Toogood	Envirotech Research, Inc.	7/31/98 1616	1) [signature]	HOWARD SCHULZ ENVIROTECH RESEARCH, INC.
2)			2)	
3)			3)	
4)			4)	

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ENVIROTECH RESEARCH INC.
777 New Durham Road
Edison, New Jersey 08817
Phone: (732) 549-3900 Fax: (732) 549-3679

CHAIN OF CUSTODY / ANALYSIS REQUEST

Name (for report and invoice) Sunila Gupta	Samplers Name (Printed) R. Toogood, M. Morse	Site/Project Identification Hexcel Facility/Lodi
Company Haley & Aldrich, Inc.	P.O. #	State (Location of site): NJ: X NY: ☐ Other:
		Regulatory Program:
150 Mineral Springs Drive	Analysis Turnaround Time: Standard ☒	ANALYSIS REQUESTED (ENTER "X" BELOW TO INDICATE REQ
City Dover State NJ Zip 07801	Rush Charges Authorized For: 2 Week ☐ 1 Week ☐ Other ☐	LAB USE ONLY Project No: 710114
Phone (973) 361-3600 Fax		Job No: F988

Sample Identification	Date	Time	Matrix	No. of. Cont.	VOC+10 incl. Xylenes MTBE, TBA 624	PCB's 608										Sample Numbers
MW11	7/30/98	910	Aq	4	X	X										74970
MW10		922		4	X	X										74971
MW20		1121		4	X	X										74972
MW1		1146		4	X	X										74973
MW17		1110		4	X	X										74974
MW4		1346		4	X	X										74975
MW5		1221		4	X	X										74976
MW27		1216		4	X	X										74977
MW26		1455		4	X	X										74978
MW21		1510		4	X	X										74979
Preservation Used: 1 = ICE, 2 = HCl, 3 = H_2SO_4, 4 = HNO_3, 5 = NaOH				Soil:												
6 = Other _____, 7 = Other _____				Water:	1,2	1										

Special Instructions: _____ Water Metals Filtered (Yes/No)? _____

Relinquished by	Company	Date / Time	Received by	Company
1) R. Toogood	Envirotech Research, Inc.	7/31/98 16:16	1) [signature]	HOWARD SCHULZE ENVIROTECH RESEARCH, INC.
Relinquished by 2)	Company	Date / Time	Received by 2)	Company
Relinquished by 3)	Company	Date / Time	Received by 3)	Company
Relinquished by 4)	Company	Date / Time	Received by 4)	Company

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NON-CONFORMANCE SUMMARY

Envirotech Research, Inc. Job Number: F988

Volatile Organics Analysis:

All data conforms with method requirements ✓; or
Analysis was not requested _____; or
Non-conformance for the specific samples listed is as follows:

See continuation page if checked ( )

Base/Neutral and/or Acid Extractable Organics:

All data conforms with method requirements _____; or
Analysis was not requested ✓; or
Non-conformance for the specific samples listed is as follows:

See continuation page if checked ( )

PCBs and/or Organochlorine Pesticides:

All data conforms with method requirements ✓; or
Analysis was not requested _____; or
Non-conformance for the specific samples listed is as follows:

See continuation page if checked ( )

Non-conformance Summary, Page 2 of 2
Envirotech Research, Inc. Job Number: F988

Metals Analysis:

All data conforms with method requirements _____; or
Analysis was not requested ✓; or
Non-conformance for the specific samples listed is as follows:

See continuation page if checked ( )

Total Petroleum Hydrocarbons:

All data conforms with method requirements _____; or
Analysis was not requested ✓; or
Non-conformance for the specific samples listed is as follows:

See continuation page if checked ( )

General Chemistry/Disposal Parameters:

All data conforms with method requirements _____; or
Analysis was not requested ✓; or
Non-conformance for the specific samples listed is as follows:

See continuation page if checked ( )

Signature of
Laboratory Manager: [signature] Date: 8/25/98

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