CSES
CLEAN SITES ENVIRONMENTAL SERVICES, INC.

Site: Martha Rose Chem.
ID #: MOD980633069
Break: 7.3
Other: Clean Sites
10/21/1996

October 21, 1996

Mr. Steve Kinser
U.S. EPA, Region VII
726 Minnesota Ave.
Kansas City, Kansas 66101

RECEIVED
OCT 25 1996
SUPERFUND DIVISION

Subject: Rose Chemicals Site
Final Groundwater Sampling Results
Round Four

Dear Mr. Kinser:

Enclosed are the final results from the fourth round of groundwater monitoring, which was conducted in June, 1996. The results are presented along with results from previous sampling events, for comparison. The June results are generally consistent with the first three rounds of sampling.

The PRPs would like to resolve the issue of termination of the groundwater sampling activities at the site. We will be contacting you in the near future regarding MDNR's position on this issue.

Please feel free to call me at (703) 519-2136 with any questions.

Sincerely,

Ellen Fitzpatrick

Ellen Fitzpatrick

Enclosure

cc: Rose Chemicals Technical Committee

40025266
SUPERFUND RECORDS

CLEAN SITES ENVIRONMENTAL SERVICES, INC ▲ 635 SLATERS LANE, SUITE 130 ▲ ALEXANDRIA, VIRGINIA 22314 ▲ TEL: (703) 519-2140 ▲ FAX: (703) 519-2141
A subsidiary of CLEAN SITES, INC

Shallow Monitoring Wells

Compound	MW-204 Jun 89	MW-204 Jul 95	MW-204 Oct 95	MW-204 Mar 96	MW-204 June 96	MW-205 Jun 89	MW-205 Jul 95	MW-205 Oct 95	MW-205 Mar 96	MW-205 June 96	MW-206 Jun 89	MW-206 Jul 95	MW-206 Oct 95	MW-206 Mar 96	MW-206 June 96
Acetone	ND	-	-	-	-	ND	11	ND	ND	ND	ND	10 U	ND	ND	ND
1,1-Dichloroethene	ND	-	-	-	-	ND	10 U	ND	ND	ND	ND	10 U	ND	ND	ND
1,1-Dichloroethane	ND	-	-	-	-	ND	10 U	ND	ND	ND	ND	10 U	ND	ND	ND
1,2-Dichloroethene (total)	9200	-	-	-	-	ND	10 U	ND	ND	ND	ND	10 U	ND	ND	ND
trans-1,3-Dichloropropene	2400	-	-	-	-	ND	10 U	ND	ND	ND	ND	10 U	ND	ND	ND
Ethylbenzene	1800	-	-	-	-	ND	10 U	ND	ND	ND	ND	10 U	ND	ND	ND
Methylene chloride	ND	-	-	-	-	ND	4 JBU*	1 JB	6JB U*	2JT	ND	8 JT*	3 JB	ND	2JT
1,1,1-Trichloroethane	ND	-	-	-	-	ND	10 U	ND	ND	ND	ND	10 U	ND	ND	ND
Trichloroethene	2200	-	-	-	-	ND	10 U	ND	ND	ND	ND	10 U	ND	ND	ND
Tetrachloroethene	1400	-	-	-	-	ND	10 U	ND	ND	ND	ND	10 U	ND	ND	9J
Toluene	12000	-	-	-	-	ND	10 U	ND	ND	1J	ND	10 U	ND	ND	ND
Trichloromethane	ND	-	-	-	-	ND	10 U	ND	ND	ND	ND	10 U	ND	ND	ND
Xylenes (total)	30000	-	-	-	-	ND	10 U	ND	ND	ND	ND	10 U	ND	ND	ND
Aroclor-1242 (unfiltered)	ND	-	-	-	-	ND	1.0 U	ND	ND J*	ND	ND	1.0 UJ*	ND	ND J*	ND
Aroclor-1260 (filtered)	ND	-	-	-	-	ND	1.0 U	1.2 U	ND	ND	ND	1.0 U	ND	ND	ND
Aroclor-1260 (unfiltered)	1.3 a	-	-	-	-	ND	1.0 U	ND	ND J*	ND	ND	1.0 UJ*	ND	0.088 J	ND
Aroclor-1016 (filtered)	-	-	-	-	-	-	-	-	ND	ND	-	-	-	ND	ND
Aroclor-1221 (filtered)	-	-	-	-	-	-	-	-	ND	ND	-	-	-	ND	ND
Aroclor-1232 (filtered)	-	-	-	-	-	-	-	-	ND	ND	-	-	-	ND	ND
Aroclor-1242 (filtered)	-	-	-	-	-	-	-	-	ND	ND	-	-	-	ND	ND
Aroclor-1248 (filtered)	-	-	-	-	-	-	-	-	ND	ND	-	-	-	ND	ND
Aroclor-1254 (filtered)	-	-	-	-	-	-	-	-	ND	ND	-	-	-	ND	ND
Aroclor-1016 (unfiltered)	-	-	-	-	-	-	-	-	ND J*	ND	-	-	-	ND J*	ND
Aroclor-1221 (unfiltered)	-	-	-	-	-	-	-	-	ND J*	ND	-	-	-	ND J*	ND
Aroclor-1232 (unfiltered)	-	-	-	-	-	-	-	-	ND J*	ND	-	-	-	ND J*	ND
Aroclor-1248 (unfiltered)	-	-	-	-	-	-	-	-	ND J*	ND	-	-	-	ND J*	ND
Aroclor-1254 (unfiltered)	-	-	-	-	-	-	-	-	ND J*	ND	-	-	-	ND J*	ND

Shallow Monitoring Wells

Compound	MW-207 Jun 89	MW-207R Jul 95	MW-207 Oct 95	MW-207R Mar 96	MW-207R June 96	MW-208 Jun 89	MW-208 Jul 95	MW-208 Oct 95	MW-208 Mar 96	MW-208 June 96	MW-209 Jun 89	MW-209 Jul 95	MW-209 Oct 95	MW-209 Mar 96	MW-209 June 96
Acetone	ND	10 U	34	-	-	ND	-	-	-	-	ND	10 U	ND	-	-
1,1-Dichloroethene	ND	10 U	ND	-	-	ND	-	-	-	-	ND	10 U	ND	-	-
1,1-Dichloroethane	ND	10 U	ND	-	-	ND	-	-	-	-	ND	10 U	ND	-	-
1,2-Dichloroethene (total)	ND	10 U	ND	-	-	ND	-	-	-	-	ND	10 U	ND	-	-
trans-1,3-Dichloropropene	ND	10 U	ND	-	-	ND	-	-	-	-	ND	10 U	ND	-	-
Ethylbenzene	ND	10 U	ND	-	-	ND	-	-	-	-	ND	10 U	ND	-	-
Methylene chloride	ND	10 U	3JB	-	-	ND	-	-	-	-	ND	11 BT*	2 JB	-	-
1,1,1-Trichloroethane	ND	10 U	ND	-	-	ND	-	-	-	-	ND	10 U	ND	-	-
Trichloroethene	ND	10 U	ND	-	-	ND	-	-	-	-	ND	10 U	ND	-	-
Tetrachloroethene	ND	10 U	ND	-	-	ND	-	-	-	-	ND	10 U	ND	-	-
Toluene	ND	10 U	ND	-	-	ND	-	-	-	-	ND	10 U	ND	-	-
Trichloromethane	ND	10 U	ND	-	-	ND	-	-	-	-	ND	10 U	ND	-	-
Xylenes (total)	ND	10 U	ND	-	-	ND	-	-	-	-	ND	10 U	ND	-	-
Aroclor-1242 (unfiltered)	12.9	1.0 UJ*	ND J*	-	-	ND	-	-	-	-	ND	1.0 U	ND	-	-
Aroclor-1260 (filtered)	ND	1.0 UR*	ND	-	-	ND	-	-	-	-	ND	1.0 U	ND	-	-
Aroclor-1260 (unfiltered)	9.6 a	0.24 J	ND J*	-	-	ND	-	-	-	-	ND	1.0 U	ND	-	-
Aroclor-1016 (filtered)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1221 (filtered)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1232 (filtered)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1242 (filtered)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1248 (filtered)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (filtered)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1016 (unfiltered)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1221 (unfiltered)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1232 (unfiltered)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1248 (unfiltered)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (unfiltered)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

ROSE CHEMICALS SITE

LONG-TERM GROUNDWATER MONITORING

FOURTH ROUND SAMPLING RESULTS- JUNE 1996 (final)

Shallow Monitoring Wells

Compound	MW-201 Jun 89	MW-201 Jul 95	MW-201 Oct 95	MW-201 Mar 96	MW-201 June 96	MW-202 Jun 89	MW-202 Jul 95	MW-202 Oct 95	MW-202 Mar 96	MW-202 June 96	MW-203 Jun 89	MW-203 Jul 95	MW-203 Oct 95	MW-203 Mar 96	MW-203 June 96
Acetone	ND	10 U	ND	ND	ND	ND	10 U	11	4J T	ND	ND	10 U	ND	ND	27
1,1-Dichloroethene	ND	10 U	ND	ND	ND	ND	10 U	ND	ND	ND	ND	10 U	ND	ND	ND
1,1-Dichloroethane	ND	10 U	ND	ND	ND	ND	10 U	ND	ND	ND	ND	10 U	ND	ND	ND
1,2-Dichloroethene (total)	94	44	42J	51	38J	ND	10 U	ND	ND	ND	14	10 U	ND	ND	ND
trans-1,3-Dichloropropene	ND	10 U	ND	ND	ND	ND	10 U	ND	ND	ND	ND	10 U	ND	ND	ND
Ethylbenzene	ND	10 U	ND	ND	ND	ND	10 U	ND	ND	ND	ND	10 U	ND	ND	ND
Methylene chloride	ND	10 U	12JB	ND	8JT	ND	5 JT*	2 JB	5 JB U*	2JT	ND	10 U	6JB U*	ND	4JT
1,1,1-Trichloroethane	ND	10 U	ND	ND	ND	ND	10 U	ND	ND	ND	ND	10 U	ND	ND	ND
Trichloroethene	1100	620 D	430	460 E	390	ND	10 U	ND	ND	ND	5	10 U	ND	ND	ND
Tetrachloroethene	ND	10 U	ND	ND	ND	ND	10 U	ND	ND	ND	ND	10 U	ND	ND	ND
Toluene	ND	10 U	ND	ND	6J	ND	10 U	ND	ND	ND	ND	10 U	ND	ND	1J
Trichloromethane	6	10 U	ND	ND	ND	ND	10 U	ND	ND	ND	ND	10 U	ND	ND	ND
Xylenes (total)	ND	10 U	ND	ND	ND	ND	10 U	ND	ND	ND	ND	10 U	ND	ND	ND
Aroclor-1242 (unfiltered)	ND	1.0 U	ND	-	ND J*	ND	1.0 U	ND	ND	ND	ND	1.0 U	ND	ND	ND
Aroclor-1260 (filtered)	ND	0.12 J	ND	ND	ND	ND	1.0 U	ND	0.11JP	ND	ND	1.0 U	ND	ND	ND
Aroclor-1260 (unfiltered)	ND	NA	ND	-	ND J*	ND	1.0 U	ND	ND	ND	ND	1.0 U	ND	ND J*	ND
Aroclor-1016 (filtered)	-	-	-	ND	ND	-	-	-	ND	ND	-	-	-	ND	ND
Aroclor-1221 (filtered)	-	-	-	ND	ND	-	-	-	ND	ND	-	-	-	ND	ND
Aroclor-1232 (filtered)	-	-	-	ND	ND	-	-	-	ND	ND	-	-	-	ND	ND
Aroclor-1242 (filtered)	-	-	-	ND	ND	-	-	-	ND	ND	-	-	-	ND	ND
Aroclor-1248 (filtered)	-	-	-	ND	ND	-	-	-	ND	ND	-	-	-	ND	ND
Aroclor-1254 (filtered)	-	-	-	ND	ND	-	-	-	ND	ND	-	-	-	ND	ND
Aroclor-1016 (unfiltered)	-	-	-	-	ND J*	-	-	-	ND	ND	-	-	-	ND J*	ND
Aroclor-1221 (unfiltered)	-	-	-	-	ND J*	-	-	-	ND	ND	-	-	-	ND J*	ND
Aroclor-1232 (unfiltered)	-	-	-	-	ND J*	-	-	-	ND	ND	-	-	-	ND J*	ND
Aroclor-1248 (unfiltered)	-	-	-	-	ND J*	-	-	-	ND	ND	-	-	-	ND J*	ND
Aroclor-1254 (unfiltered)	-	-	-	-	ND J*	-	-		ND	ND	-	-	-	ND J*	ND

Deep Monitoring Wells

Compound	MW-103 Jun 89	MW-103 Jul 95	MW-103 Oct 95	MW-103 Mar 96	MW-103 June 96	MW-104 Jun 89	MW-104 Jul 95	MW-104 Oct 95	MW-104 Mar 96	MW-104 June 96	MW-108 Jun 89	MW-108 Jul 95	MW-108 Oct 95	MW-108 Mar 96	MW-108 June 96
Acetone	ND	10 U	ND	ND	ND	ND	10 U	ND	ND	ND	ND	22	ND	ND	ND
1,1-Dichloroethene	ND	10 U	ND	ND	ND	ND	10 U	ND	ND	ND	ND	10 U	ND	ND	ND
1,1-Dichloroethane	ND	10 U	ND	ND	ND	ND	10 U	ND	ND	ND	ND	10 U	ND	ND	ND
1,2-Dichloroethene (total)	ND	10 U	ND	ND	ND	ND	10 U	ND	ND	ND	14	10 U	ND	ND	ND
trans-1,3-Dichloropropene	ND	10 U	ND	ND	ND	ND	10 U	ND	ND	ND	ND	10 U	ND	ND	ND
Ethylbenzene	ND	10 U	ND	ND	ND	ND	10 U	ND	ND	ND	ND	10 U	ND	ND	ND
Methylene chloride	ND	10 U	5JB U*	2JB U*	2 JT	ND	11 BT*	6JB U*	1 J T	3 JB U*	ND	5 JT*	6JB U*	3JB U*	2 JT
1,1,1-Trichloroethane	ND	10 U	ND	ND	ND	ND	10 U	ND	ND	ND	ND	10 U	ND	ND	ND
Trichloroethene	ND	10 U	ND	ND	ND	ND	10 U	ND	ND	ND	6	10 U	ND	ND	ND
Tetrachloroethene	ND	10 U	ND	ND	ND	ND	10 U	ND	ND	ND	ND	10 U	ND	ND	ND
Toluene	ND	10 U	ND	ND	ND	ND	10 U	ND	ND	1 J	ND	10 U	ND	ND	ND
Trichloromethane	ND	10 U	ND	ND	ND	ND	10 U	ND	ND	ND	ND	10 U	ND	ND	ND
Xylenes (total)	ND	10 U	ND	ND	ND	ND	10 U	ND	ND	ND	ND	10 U	ND	ND	ND
Aroclor-1242 (unfiltered)	ND	1.0 U	ND	ND J*	ND	ND	1.0 U	ND	ND	ND J*	ND	1.0 UJ*	ND	ND J*	ND
Aroclor-1260 (filtered)	ND	1.0 U	ND	ND	ND	ND	1.0 U	ND	ND	-	ND	1.0 U	ND	ND	-
Aroclor-1260 (unfiltered)	ND	1.0 U	ND	ND J*	ND	ND	-	ND	ND	ND J*	ND	1.0 UJ*	ND	ND J*	ND
Aroclor-1016 (filtered)	-	-	-	ND	ND	-	-	-	ND	-	-	-	-	ND	-
Aroclor-1221 (filtered)	-	-	-	ND	ND	-	-	-	ND	-	-	-	-	ND	-
Aroclor-1232 (filtered)	-	-	-	ND	ND	-	-	-	ND	-	-	-	-	ND	-
Aroclor-1242 (filtered)	-	-	-	ND	ND	-	-	-	ND	-	-	-	-	ND	-
Aroclor-1248 (filtered)	-	-	-	ND	ND	-	-	-	ND	-	-	-	-	ND	-
Aroclor-1254 (filtered)	-	-	-	ND	ND	-	-	-	ND	-	-	-	-	ND	-
Aroclor-1016 (unfiltered)	-	-	-	ND J*	ND	-	-	-	ND	ND J*	-	-	-	ND J*	ND
Aroclor-1221 (unfiltered)	-	-	-	ND J*	ND	-	-	-	ND	ND J*	-	-	-	ND J*	ND
Aroclor-1232 (unfiltered)	-	-	-	ND J*	ND	-	-	-	ND	ND J*	-	-	-	ND J*	ND
Aroclor-1248 (unfiltered)	-	-	-	ND J*	ND	-	-	-	ND	ND J*	-	-	-	ND J*	ND
Aroclor-1254 (unfiltered)	-	-	-	ND J*	ND	-	-	-	ND	ND J*	-	-	-	ND J*	ND

Deep Monitoring Wells

Compound	MW-111 Jun 89	MW-111 Jul 95	MW-111 Oct 95	MW-111 Mar 96	MW-111 June 96	MW-112 Jul 95	MW-112 Oct 95	MW-11 Mar 96	MW-11 June 96	MW-113 Jul 95	MW-113 Oct 95	MW-11 Mar 96	MW-113 June 96
Acetone	ND	10 U	ND	ND	140	10 U	ND	ND	ND	10 U	ND	ND	ND
1,1-Dichloroethene	ND	10 U	ND	ND	ND	10 U	ND	ND	ND	10 U	ND	ND	ND
1,1-Dichloroethane	ND	10 U	ND	ND	ND	10 U	ND	ND	ND	10 U	ND	ND	ND
1,2-Dichloroethene (total)	ND	10 U	ND	ND	ND	10 U	ND	ND	ND	10 U	ND	ND	ND
trans-1,3-Dichloropropene	ND	10 U	ND	ND	ND	10 U	ND	ND	ND	10 U	ND	ND	ND
Ethylbenzene	ND	10 U	ND	ND	ND	10 U	ND	ND	ND	10 U	ND	ND	ND
Methylene chloride	ND	10 U	3JB U*	2JB U*	4 JT	110	ND	ND	3 JB U*	6 JT*	2JB U*	1JB U*	4 JB U*
1,1,1-Trichloroethane	ND	10 U	ND	ND	ND	10 U	ND	ND	ND	10 U	ND	ND	ND
Trichloroethene	ND	10 U	ND	ND	ND	10 U	ND	ND	ND	10 U	ND	ND	ND
Tetrachloroethene	ND	10 U	ND	ND	ND	10 U	ND	ND	ND	10 U	ND	ND	ND
Toluene	ND	10 U	ND	ND	ND	10 U	ND	ND	ND	10 U	ND	ND	ND
Trichloromethane	ND	10 U	ND	ND	ND	10 U	ND	ND	ND	10 U	ND	ND	ND
Xylenes (total)	ND	10 U	ND	ND	ND	10 U	ND	ND	ND	10 U	ND	ND	ND
Aroclor-1242 (unfiltered)	ND	1.0 UJ*	ND	ND	ND	1.0 UR	ND	ND J*	ND	1.0 UR*	ND J*	ND J*	ND J*
Aroclor-1260 (filtered)	ND	1.0 U	ND	ND	ND	1.0 U	ND	ND	ND	1.0 U	ND	ND	ND
Aroclor-1260 (unfiltered)	ND	1.0 UJ*	ND	ND	ND	1.0 UR	ND	ND J*	ND	1.0 UR*	ND J*	ND J*	ND J*
Aroclor-1016 (filtered)	-	-	-	ND	ND	-	-	ND	ND	-	-	ND	ND
Aroclor-1221 (filtered)	-	-	-	ND	ND	-	-	ND	ND	-	-	ND	ND
Aroclor-1232 (filtered)	-	-	-	ND	ND	-	-	ND	ND	-	-	ND	ND
Aroclor-1242 (filtered)	-	-	-	ND	ND	-	-	ND	ND	-	-	ND	ND
Aroclor-1248 (filtered)	-	-	-	ND	ND	-	-	ND	ND	-	-	ND	ND
Aroclor-1254 (filtered)	-	-	-	ND	ND	-	-	ND	ND	-	-	ND	ND
Aroclor-1016 (unfiltered)	-	-	-	ND	ND	-	-	ND J*	ND	-	-	ND J*	ND J*
Aroclor-1221 (unfiltered)	-	-	-	ND	ND	-	-	ND J*	ND	-	-	ND J*	ND J*
Aroclor-1232 (unfiltered)	-	-	-	ND	ND	-	-	ND J*	ND	-	-	ND J*	ND J*
Aroclor-1248 (unfiltered)	-	-	-	ND	ND	-	-	ND J*	ND	-	-	ND J*	ND J*
Aroclor-1254 (unfiltered)	-	-	-	ND	ND	-	-	ND J*	ND	-	-	ND J*	ND J*

Deep Monitoring Wells

Compound	MW-114 Jul 95	MW-114 Oct 95	MW-114 Mar 96	MW-114 June 96	MW-115 Jul 95	MW-115 Oct 95	MW-115 Mar 96	MW-11 June 96
Acetone	10 U	ND	ND	ND	10 U	ND	2 J	ND
1,1-Dichloroethene	10 U	ND	ND	ND	10 U	ND	ND	ND
1,1-Dichloroethane	10 U	ND	ND	ND	10 U	ND	ND	ND
1,2-Dichloroethene (total)	10 U	ND	ND	ND	10 U	ND	ND	ND
trans-1,3-Dichloropropene	10 U	ND	ND	ND	10 U	ND	ND	ND
Ethylbenzene	10 U	ND	ND	ND	10 U	ND	ND	ND
Methylene chloride	10 U	3JB U*	1 J T	ND	5 JT*	1J U*	1J T	5 J
1,1,1-Trichloroethane	10 U	ND	ND	ND	10 U	ND	ND	ND
Trichloroethene	10 U	ND	ND	ND	10 U	ND	ND	ND
Tetrachloroethene	10 U	ND	ND	ND	10 U	ND	ND	ND
Toluene	10 U	ND	ND	ND	10 U	ND	ND	ND
Trichloromethane	10 U	ND	ND	ND	10 U	ND	ND	ND
Xylenes (total)	10 U	ND	ND	ND	10 U	ND	ND	ND
Aroclor-1242 (unfiltered)	1.6 UJ*	ND	ND J*	ND	1.0 U	ND J*	ND J*	ND
Aroclor-1260 (filtered)	1.0 U	ND	ND	ND	1.0 UJ*	ND	ND	ND
Aroclor-1260 (unfiltered)	1.6 UJ*	ND	ND J*	ND	1.0 U	ND J*	ND J*	ND
Aroclor-1016 (filtered)	-	-	ND	ND	-	-	ND	ND
Aroclor-1221 (filtered)	-	-	ND	ND	-	-	ND	ND
Aroclor-1232 (filtered)	-	-	ND	ND	-	-	ND	ND
Aroclor-1242 (filtered)	-	-	ND	ND	-	-	ND	ND
Aroclor-1248 (filtered)	-	-	ND	ND	-	-	ND	ND
Aroclor-1254 (filtered)	-	-	ND	ND	-	-	ND	ND
Aroclor-1016 (unfiltered)	-	-	ND	ND	-	-	ND J*	ND
Aroclor-1221 (unfiltered)	-	-	ND J*	ND	-	-	ND J*	ND
Aroclor-1232 (unfiltered)	-	-	ND J*	ND	-	-	ND J*	ND
Aroclor-1248 (unfiltered)	-	-	ND J*	ND	-	-	ND J*	ND
Aroclor-1254 (unfiltered)	-	-	ND J*	ND	-	-	ND J*	ND

Notes
All concentrations are reported in ug/l (ppb)
Only those compounds detected are shown
a - Aroclor 1254/1260
NA - Not analyzed

Laboratory qualifiers
J - Estimated value below detection limit
D - Result obtained from dilution
B - Analyte detected in method blank
U - Undetected at reported quantitation limit
ND - Not Detected-this was used in place of the U qualifier
E - Exceeded linear range; dilution required

Data Validation qualifiers
T* - Analyte detected in trip blank
U* - Undetected based on QC evaluation
R* - Unusable based on QC evaluation
J* - Estimated based on QC evaluation

Values in BOLD exceed Federal MCLs (40CFR141.61)

Compound	MCL (ug/l)
PCBs	0.5
Trichloroethene	5
1,2-Dichloroethene*	70
Ethylbenzene	700
Tetrachloroethene	5
Toluene	1000
Xylene	10000
1,1-Dichloroethene	7
1,1,1-Trichloroethane	200

* MCL exists for cis- isomer only

Shallow Monitoring Wells

Compound	MW-210 Jun 89	MW-210 Jul 95	MW-210 Oct 95	MW-210 Mar 96	MW-210 June 96	MW-211 Jun 89	MW-211 Jul 95	MW-211 Oct 95	MW-211 Mar 96	MW-211 June 96	MW-212 Jul 95	MW-212 Oct 95	MW-212 Mar 96	MW-212 June 96
Acetone	ND	10 U	ND	-	ND	ND	10 U	ND	ND	ND	10 U	ND	2 JB U*	ND
1,1-Dichloroethene	2500	230 D	540	-	290 E	ND	10 U	2 J	ND	ND	10 U	ND	ND	ND
1,1-Dichloroethane	ND	27	44J	-	31	ND	10 U	ND	ND	ND	10 U	ND	ND	ND
1,2-Dichloroethene (total)	ND	46	99	-	95	40	10 U	32	57	44 J	10 U	ND	ND	ND
trans-1,3-Dichloropropene	ND	10 U	ND	-	ND	ND	10 U	ND	ND	ND	10 U	ND	ND	ND
Ethylbenzene	ND	10 U	ND	-	ND	ND	10 U	ND	ND	ND	10 U	ND	ND	ND
Methylene chloride	ND	4 J	11 JB	-	2 JT	ND	120 T*	6 JB	11JB U*	9 JT	5 JT*	2JB U*	3JB U*	4 JB U*
1,1,1-Trichloroethane	3100	190	200	-	130	ND	10 U	ND	ND	ND	10 U	ND	ND	ND
Trichloroethene	ND	25	48 J	-	37	180	10 U	380 E	720	550	10 U	ND	ND	ND
Tetrachloroethene	8000	680 D	960	-	540 E	ND	10 U	ND	ND	ND	10 U	ND	ND	ND
Toluene	ND	10 U	ND	-	ND	ND	10 U	ND	ND	ND	10 U	ND	ND	ND
Trichloromethane	ND	10 U	ND	-	ND	ND	10 U	ND	ND	ND	10 U	ND	ND	ND
Xylenes (total)	ND	3 J	ND	-	ND	ND	10 U	ND	ND	ND	10 U	ND	ND	ND
Aroclor-1242 (unfiltered)	ND	1.0 U	ND	-	ND	ND	1.0 U	ND	ND	ND	1.0 UJ*	ND	ND	ND
Aroclor-1260 (filtered)	ND	1.0 U	ND	-	ND	ND	1.0 U	ND	0.35 J	ND	1.0 U	ND	ND	ND
Aroclor-1260 (unfiltered)	ND	1.0 U	ND	-	ND	ND	1.0 U	ND	ND	ND	1.0 UJ*	ND	ND	ND
Aroclor-1016 (filtered)	-	-	-	-	ND	-	-	-	ND	ND	-	-	ND	ND
Aroclor-1221 (filtered)	-	-	-	-	ND	-	-	-	ND	ND	-	-	ND	ND
Aroclor-1232 (filtered)	-	-	-	-	ND	-	-	-	ND	ND	-	-	ND	ND
Aroclor-1242 (filtered)	-	-	-	-	ND	-	-	-	ND	ND	-	-	ND	ND
Aroclor-1248 (filtered)	-	-	-	-	ND	-	-	-	ND	ND	-	-	ND	ND
Aroclor-1254 (filtered)	-	-	-	-	ND	-	-	-	ND	ND	-	-	ND	ND
Aroclor-1016 (unfiltered)	-	-	-	-	ND	-	-	-	ND	ND	-	-	ND	ND
Aroclor-1221 (unfiltered)	-	-	-	-	ND	-	-	-	ND	ND	-	-	ND	ND
Aroclor-1232 (unfiltered)	-	-	-	-	ND	-	-	-	ND	ND	-	-	ND	ND
Aroclor-1248 (unfiltered)	-	-	-	-	ND	-	-	-	ND	ND	-	-	ND	ND
Aroclor-1254 (unfiltered)	-	-	-	-	ND	-	-	-	ND	ND	-	-	ND	ND

Compound	MW-213 Jul 95	MW-213 Oct 95	MW-213 Mar 96	MW-213 June 96	MW-214 Jul 95	MW-214 Oct 95	MW-21 Mar 96	MW-214 June 96	MW-215 Jul 95	MW-215 Oct 95	MW-215 Mar 96	MW-21 June 96
Acetone	10 U	ND	ND	ND	10U	ND	ND	ND	10 U	-	-	ND
1,1-Dichloroethene	10 U	ND	ND	ND	10U	ND	ND	ND	10 U	-	-	ND
1,1-Dichloroethane	10 U	ND	ND	ND	10U	ND	ND	ND	10 U	-	-	ND
1,2-Dichloroethene (total)	10 U	ND	ND	ND	10U	ND	ND	ND	10 U	-	-	ND
trans-1,3-Dichloropropene	10 U	ND	ND	ND	10U	ND	ND	ND	10 U	-	-	ND
Ethylbenzene	10 U	ND	ND	ND	10U	ND	ND	ND	10 U	-	-	ND
Methylene chloride	5 JT*	3JB U*	2JB U*	3 JT	10U	3JB U*	2 J	2 JT	10 U	-	-	5 J
1,1,1-Trichloroethane	10 U	ND	ND	ND	10U	ND	ND	ND	10 U	-	-	ND
Trichloroethene	10 U	ND	ND	ND	10U	ND	ND	ND	10 U	-	-	ND
Tetrachloroethene	10 U	ND	ND	ND	10U	ND	ND	ND	10 U	-	-	ND
Toluene	10 U	ND	ND	ND	10U	ND	ND	ND	10 U	-	-	ND
Trichloromethane	10 U	ND	ND	ND	10U	ND	ND	ND	10 U	-	-	ND
Xylenes (total)	10 U	ND	ND	ND	10U	ND	ND	ND	10 U	-	-	ND
Aroclor-1242 (unfiltered)	1.0 U	ND	ND	ND	1.0U	-	ND J*	ND	1.0 U	-	-	ND
Aroclor-1260 (filtered)	1.0 U	ND	ND	ND	1.0U	ND	ND	ND	1.0 U	-	-	ND
Aroclor-1260 (unfiltered)	1.0 U	ND	ND	ND	1.0U	-	ND J*	ND	1.0 U	-	-	ND
Aroclor-1016 (filtered)	-	-	ND	ND	-	-	ND	ND	-	-	-	ND
Aroclor-1221 (filtered)	-	-	ND	ND	-	-	ND	ND	-	-	-	ND
Aroclor-1232 (filtered)	-	-	ND	ND	-	-	ND	ND	-	-	-	ND
Aroclor-1242 (filtered)	-	-	ND	ND	-	-	ND	ND	-	-	-	ND
Aroclor-1248 (filtered)	-	-	ND	ND	-	-	ND	ND	-	-	-	ND
Aroclor-1254 (filtered)	-	-	ND	ND	-	-	ND	ND	-	-	-	ND
Aroclor-1016 (unfiltered)	-	-	ND	ND	-	-	ND J*	ND	-	-	-	ND
Aroclor-1221 (unfiltered)	-	-	ND	ND	-	-	ND J*	ND	-	-	-	ND
Aroclor-1232 (unfiltered)	-	-	ND	ND	-	-	ND J*	ND	-	-	-	ND
Aroclor-1248 (unfiltered)	-	-	ND	ND	-	-	ND J*	ND	-	-	-	ND
Aroclor-1254 (unfiltered)	-	-	ND	ND	-	-	ND J*	ND	-	-	-	ND

Wells with Contamination

CMT

201

1,2 DCE – Nothing since closure
1/2 original
TCE
Falling to about 1/3
PCB – dropped out

202

Acetone – Probably lab cont.
No Trend.
Meth Chloride – Probably lab shower
late all J coded > 5
PCB – dropped out (conc 0.11 JP)

203

Acetone – last test 2/96 only hit.
1,2 DCE Nothing since 89 – synaxis no hit.
Meth Chloride – Lab I think low 6 + 4
both J coded
TCE – Nothing since 89
Toluene – 1 ppb J last sample

204
clean sites

High hits no sample since 89 (probably no water)

205

Acetone 2 hits prob. lab. cont. None since July 89
3 samples NO since
Meth Chloride 4 hits all J coded 6, 1, 4 + 2
~~PCB 0.5~~ Round 2 nothing since

206

Meth Chloride 8, 3 + 2 all J coded
1242 (UF) 3.5 Rd 2 Nothing since
1260 (UF) 1.3 + 0.088J 2/96

207

1242 Hits Round 1-3 + June 89 – Nothing since No 3/96 or 6/96 Sample

208

209

1242 Filtered 3.3 Round 2 Nothing in 3+4. No 96 Sample

210

1,1 DCE; 1,1 DCA; 1,2 DCE (tot); 1,1,1 TCA; TCE; TETCE
Meth Chlorid lab (?)

211

1,2 DCE (tot); TCE
1242 PCB dropped out after Round 2
1260 (F) 0.355 3/96 Methylchlorid lab (?)