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FINAL

VOLUME III - APPENDICES C - F

SUMMARY AND ANALYSIS OF RESULTS

FIELD TREATABILITY STUDY

PHASE II

South Walnut Creek Basin
Surface Water Interim Measure/Interim Remedial Action

OPERABLE UNIT NO 2

U S Department of Energy
Rocky Flats Plant
Golden, Colorado

ENVIRONMENTAL RESTORATION PROGRAM

January 1994

ADMIN RECORD

A-OU01-000105

Appendix C

Surface Water Data

Appendix C-1

Surface Water Radiochemistry Data

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Total Radiochemistry
(Activity reported in pCi/l)

		STATION SW059						STATION SW061						STATION SW132	
NALYTE	SAMPLE DATE	SAMPLE NUMBER	ACTIVITY					SAMPLE NUMBER	ACTIVITY					SAMPLE NUMBER	ACTIVITY
MERICIUM 241 Total) (*MDA 0 01)	05/08/91	SW01161WC	2 434	+/	839	U	R	SW01163WC	476	+/	1 23	U	R		
	06/20/91	SW01264WC	05142	/	0148		V	SW01266WC	02204	+/	0125		V		
	07/12/91							SW01369WC	009	+/	0318		V		
	08/07/91	SW01473WC	01467	+/	00572		V	SW01475WC	0009763	+/	00269	J	V		
	09/17/91	SW01579WC	025	/	014		A	SW01581WC	003	/	009	U	A		
	10/17/91							SW01687WC	008	+/	006	J	A		
	10/21/91	SW01685WC	05	/	014		A								
	01/27/92	SW01807WC	12	/	024		A	SW01809WC	005	/	008	J	A		
	04/06/92	SW70259WC	024	/	018		R	SW70260WC	004	/	005	J	R		
	04/22/92	SW70266WC	0	+/	0	U	R	SW70267WC	0	+/	0	U	R		
	04/27/92	SW01889WC	0	/	0	U	R	SW01891WC	0	/	0	U	R		
	05/06/92	SW70271WC	0	+/	0	U	R	SW70272WC	019	+/	008		R		
	05/20/92	SW70285WC	004	+/	012	J	R	SW70286WC	1 326	+/	202		R		
	06/04/92	SW70290WC	026	+/	015		R	SW70291WC	0	+/	0	U	R		
	06/17/92	SW70293WC	078	+/	019		R	SW70294WC	001	+/	004	J	R		
	07/02/92	SW70296WC	015	+/	01		V	SW70297WC	005	+/	006	U	V		
	07/15/92							SW70300WC	012	/	008		V		
	07/29/92	SW70302WC	03	+/	01		A	SW70303WC	028	+/	012		A		
	08/12/92	SW70305WC	0	+/	00483	J	V	SW70306WC	003583	+/	00415	J	V		
	08/20/92	SW02012WC	003317	+/	00455	J	V	SW02013WC	04781	+/	017		V		
	08/26/92	SW70310WC	059	+/	037	J	R	SW70309WC	0014	+/	011	U	R		
	09/08/92	SW70314WC	001	+/	012	U	V	SW70313WC	005	/	01	U	V		
	09/22/92	SW70315WC	019	+/	008		V	SW70316WC	003	+/	017	U	V		

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits = duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES: V Valid A Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Total Radiochemistry
(Activity reported in pCi/l)

ALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	ACTIVITY					STATION SW061 SAMPLE NUMBER	ACTIVITY					STATION SW132 SAMPLE NUMBER	ACTIVITY				
ERICIUM 241																			
otal) (*MDA 0 01)																			
	10/07/92	SW70321WC	004	/	01	U	V	SW70320WC	006	+/	016	U	V						
	10/21/92	SW70324WC	001451	+/	00291	J	A	SW70323WC	02379	+/	00982		A						
	11/06/92							SW70326WC	007618	+/	00544	J	A						
	11/17/92							SW70329WC	0 013	+/	00762		A						
	12/03/92							SW70332WC	007149	/	00542	J	A						
	01/06/93							SW70340WC	01754	/	0087		A						
	01/27/93	SW70347WC	012	+/	00524		A	SW70346WC	029	+/	00826		A						
	02/09/93	SW70350WC	085	/	01516		R	SW70349WC	03	+/	007		R						
	02/24/93	SW70353WC	0052	/	00406		A	SW70352WC	016	+/	00645								
	03/12/93							SW70001JE	1539	/	0377		A						
	03/23/93	SW70005JE	01763	+/	00899		A	SW70004JE	005362	+/	00663	J	A						
	04/07/93	SW70010JE	0 006	/	0 010	U	V	SW70009JE	0 001	+/	0 006	U	V						
	04/22/93							SW70012JE	1018	+/	0248								
	05/05/93	SW70022JE	009934	/	00711		A	SW70020JE	02574	+/	0103		A						
	05/19/93	SW70029JE	12	/	022	B		SW70028JE	016	+/	008	B							
	06/02/93	SW70047JE	008	+/	0055			SW70046JE	01	+/	00557								
	06/16/93	SW70051JE	006	+/	006	U		SW70050JE	004	+/	004	U							
	06/30/93	SW70076JE	009	+/	007	J		SW70075JE	009	+/	006	J							
	07/14/93	SW70080JE	0 003	/	0 003	U	V	SW70079JE	0 012	+/	0 006		V						
	07/28/93	SW70093JE	0 002	+/	0 003	U	V	SW70092JE	0 008	+/	0 005	J	V						
	08/11/93	SW00103JE	0 001	+/	0 008	U	A	SW00102JE	0 006	+/	0 007	U	A						
	08/27/93	SW00106JE	0 002	+/	0 005	U		SW00105JE	0 007	+/	0 005	U							
	09/07/93													SW00107JE	0 015	/	0 009		
	09/08/93	SW00110JE	0 002	+/	0 008	U		SW00109JE	0 006	+/	0 007	U		SW00108JE	0 003	+/	0 021	U	

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits * duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES: Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Total Radiochemistry
(Activity reported in pCi/l)

	STATION SW059						STATION SW061					STATION SW132				
NALYTE	SAMPLE DATE	SAMPLE NUMBER	ACTIVITY				SAMPLE NUMBER	ACTIVITY				SAMPLE NUMBER	ACTIVITY			
MERICIUM 241																
Total) (*MDA 0 01)																
	09/09/93											SW00111JE	0 007	+/	0 005	J
	09/10/93											SW00112JE	0 004	+/	0 009	U
	09/11/93											SW00113JE	0	+/	0 004	U
	09/12/93											SW00114JE	0 009	/	0 005	J
	09/13/93											SW00115JE	0 052	/	0 014	
	09/14/93											SW00116JE	0 004	+/	0 004	U
	09/15/93											SW00117JE	0 014	/	0 009	
	09/16/93											SW00118JE	0 002	/	0 008	U
	09/17/93											SW00119JE	0 004	+/	0 009	U
	09/18/93											SW00120JE	0 031	/	0 017	
	09/19/93											SW00121JE	0 27	+/	0 045	
	09/20/93											SW00122JE	0 048	/	0 017	
ESIUM 134 (Total)	04/06/92	SW70259WC	2 04	/ 0	U	R	SW70260WC	2 17	+/ 0	U	R					
	04/22/92	SW70266WC	2 25	+/ 0	U	R	SW70267WC	2 21	+/ 0	U	R					
	04/27/92	SW01889WC	2 04	/ 0	U	R	SW01891WC	2 1	/ 0	U	R					
	05/06/92	SW70271WC	2 19	+/ 0	U	R	SW70272WC	2 21	+/ 0	U	R					
	05/20/92	SW70285WC	2 55	+/ 0	U	R	SW70286WC	2 32	+/ 0	U	R					
	06/04/92	SW70290WC	2 28	/ 0	U	R	SW70291WC	2 31	+/ 0	U	R					
	06/17/92	SW70293WC	1 04	+/ 0		R	SW70294WC	1 06	+/ 0	U	R					
	08/26/92	SW70310WC	1 11	+/ 0	U	R	SW70309WC	1 08	+/ 0	U	R					
ESIUM 137 (Total)	06/20/91	SW01264WC	1465	+/ 35	J	A	SW01266WC	601	+/ 401	J	A					
*MDA= 1)																
	07/12/91						SW01369WC	1	/ 327	J	R					
	08/07/91	SW01473WC	4003	+/ 38	J	A	SW01475WC	112	+/ 379	J	A					

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OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Total Radiochemistry
(Activity reported in pCi/l)

		STATION SW059					STATION SW061					STATION SW132	
NALYTE	SAMPLE DATE	SAMPLE NUMBER	ACTIVITY				SAMPLE NUMBER	ACTIVITY				SAMPLE NUMBER	ACTIVITY
ESIUM 137 (Total) MDA 1)													
	09/17/91	SW01579WC	76	/	5	J	A	SW01581WC	32	+/	4	U	A		
	10/17/91							SW01687WC	1 2	+/	68		A		
	10/21/91	SW01685WC	019	+/	18	U	V								
	01/27/92	SW01807WC	5	/	46	U	R	SW01809WC	05	+/	43	U	R		
	04/06/92	SW70259WC	2 39	/	0	U	R	SW70260WC	2 31	/	0	U	R		
	04/22/92	SW70266WC	2 2	+/	0	U	R	SW70267WC	2 33	+/	0	U	R		
	04/27/92	SW01889WC	2 51	/	0	U	R	SW01891WC	2 51	+/	0	U	R		
	05/06/92	SW70271WC	2 15	/	0	U	R	SW70272WC	2 43	+/	0	U	R		
	05/20/92	SW70285WC	2 43	/	0	U	R	SW70286WC	2 21	+/	0	U	R		
	06/04/92	SW70290WC	2 65	/	0	U	R	SW70291WC	2 34	/	0	U	R		
	06/17/92	SW70293WC	1 27	/	0		R	SW70294WC	1 09	/	0	U	R		
	07/15/92							SW70300WC	041	+/	15	U	V		
	08/12/92	SW70305WC	464	+/	727	J	A	SW70306WC	8358	+/	652	J	A		
	08/20/92	SW02012WC	5312	/	676	J	A	SW02013WC	08822	+/	83	J	A		
	08/26/92	SW70310WC	1 17	/	0	U	R	SW70309WC	1 17	+/	0	U	R		
	11/06/92							SW70326WC	3697	+/	577	J	A		
	12/03/92							SW70332WC	402	+/	463	J	A		
	04/07/93	SW70010JE	53	+/	36	J		SW70009JE	58	+/	47	U			
ROSS ALPHA (Total) *MDA= 2)	05/08/91	SW01161WC	3 9	+/	2 2		V	SW01163WC	5 6	+/	2 4		V		
	09/17/91	SW01579WC	15	+/	2 3		A	SW01581WC	5 5	/	1 1		A		
	10/17/91							SW01687WC	4 4	+/	1 4		R		
	10/21/91	SW01685WC	5 6	+/	3 1		V								
	01/27/92	SW01807WC	21	+/	2 5		A	SW01809WC	6 4	+/	1 1		A		

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OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Total Radiochemistry
(Activity reported in pCi/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	ACTIVITY				STATION SW061 SAMPLE NUMBER	ACTIVITY				STATION SW132 SAMPLE NUMBER	ACTIVITY
ROSS ALPHA (Total)													
*MDA 2)													
	04/06/92	SW70259WC	6 9	/	0		R	SW70260WC	8 6	+/	0		R
	04/22/92	SW70266WC	7 66	+/	0		R	SW70267WC	8 55	+/	0		R
	04/27/92	SW01889WC	2 59	+/	0		R	SW01891WC	11 55	/	0		R
	05/06/92	SW70271WC	11 07	/	0		R	SW70272WC	11 03	/	0		R
	05/20/92	SW70285WC	16 18	/	0		R	SW70286WC	4 6	+/	0		R
	06/04/92	SW70290WC	21 91	/	0		R	SW70291WC	11 88	/	0		R
	06/17/92	SW70293WC	7 22	+/	0		R	SW70294WC	7 01	+/	0		R
	07/02/92	SW70296WC	3 7	/	2 4		A	SW70297WC	4 1	/	2 3		A
	07/15/92							SW70300WC	1 7	/	3	U	A
	07/29/92	SW70302WC	7 3	/	6 21	UC		SW70303WC	4 2	+/	4 17	UC	
	08/12/92	SW70305WC	4 06	+/	2 14		A	SW70306WC	3 406	+/	2 17		A
	08/20/92	SW02012WC	133	/	1 96	J	A	SW02013WC	2 926	/	2 37		A
	08/26/92	SW70310WC	3 57	/	0		R	SW70309WC	3 97	+/	0		R
	09/08/92	SW70314WC	1 4	/	2 3	U	V	SW70313WC	3 8	+/	2		V
	09/22/92	SW70315WC	2 6	+/	2 4	U	V	SW70316WC	4 1	+/	2 2		V
	10/07/92	SW70321WC	1 6	+/	2 2	U	V	SW70320WC	2 2	+/	2 1	U	V
	10/21/92	SW70324WC	1 768	+/	943	J	A	SW70323WC	1 91	+/	1 05	J	A
	11/06/92							SW70326WC	5 472	+/	1 96		A
	11/17/92							SW70329WC	4 08	+/	3 31	UC	V
	12/03/92							SW70332WC	4 84	+/	2		A
	01/06/93							SW70340WC	5 438	+/	3 65		A
	01/13/93	SW70344WC	3 39	+/	3 88	U	V	SW70343WC	3 79	+/	3 43	U	V
	01/27/93	SW70347WC	3 3	/	3 74	UC	V	SW70346WC	6 3	/	3 89	C	V
	02/09/93	SW70350WC	8 4	/	5 03	C	V	SW70349WC	2 3	+/	1 87	UC	V

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OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Total Radiochemistry
(Activity reported in pCi/l)

	STATION SW059					STATION SW061					STATION SW132			
VALYTE	SAMPLE DATE	SAMPLE NUMBER	ACTIVITY			SAMPLE NUMBER	ACTIVITY				SAMPLE NUMBER	ACTIVITY		
ROSS ALPHA (Total) MDA 2)														
	02/24/93	SW70353WC	7 8	/ 4 86	V	SW70352WC	5 1	+/ 4 32	U	V				
	03/12/93					SW70001JE	6 657	+/ 2 43		V				
	03/23/93	SW70005JE	5 245	+/ 2 46	V	SW70004JE	7 422	/ 2 81		V				
	04/07/93	SW70010JE	6 1	+/ 1 1		SW70009JE	2 1	/ 48						
	04/22/93	SW70013JE	6 647	/ 2 44		SW70012JE	8 096	+/ 2 84						
	05/05/93	SW70022JE	264	+/ 1 28	J	SW70020JE	539	+/ 996	J					
	05/19/93	SW70029JE	4 2	/ 83		SW70028JE	4 6	/ 98						
	06/02/93	SW70047JE	3 2	/ 3 56	UC	SW70046JE	7	/ 3 78	C					
	06/16/93	SW70051JE	2 3	+/ 1 7		SW70050JE	1 8	+/ 1 2	J					
	06/30/93	SW70076JE	6 1	+/ 1 3	V	SW70075JE	3 0	+/ 1 1		V				
	07/14/93	SW70080JE	3 4	+/ 1 8		SW70079JE	1 7	+/ 1 2	J					
	07/28/93	SW70093JE	4 4	+/ 2 4	X	SW70092JE	2 9	+/ 2						
	08/11/93	SW00103JE	3 5	/ 1 6		SW00102JE	3 2	+/ 2						
	08/27/93	SW00106JE	3 7	+/ 1 8		SW00105JE	2 8	+/ 1 9						
	09/07/93										SW00107JE	2 4	+/ 1 6	
	09/08/93	SW00110JE	3 1	+/ 2 1		SW00109JE	2 6	/ 1 8			SW00108JE	4 8	+/ 2 3	
	09/09/93										SW00111JE	3 6	+/ 1 6	
	09/10/93										SW00112JE	4 7	+/ 1 9	
	09/11/93										SW00113JE	3 3	/ 1 5	
	09/12/93										SW00114JE	2 5	+/ 2 0	
	09/13/93										SW00115JE	5 3	/ 1 8	
	09/14/93										SW00116JE	2 4	/ 1 7	
	09/15/93										SW00117JE	5 2	+/ 1 9	
	09/16/93										SW00118JE	5 1	+/ 2 5	

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
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OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Total Radiochemistry
(Activity reported in pCi/l)

	STATION SW059						STATION SW061						STATION SW132			
NALYTE	SAMPLE DATE	SAMPLE NUMBER	ACTIVITY				SAMPLE NUMBER	ACTIVITY					SAMPLE NUMBER	ACTIVITY		
ROSS ALPHA (Total)																
*MDA= 2)																
	09/17/93												SW00119JE	3 8	/	2 4
	09/18/93												SW00120JE	2 6	+/	1 8
	09/19/93												SW00121JE	3 8	/	2 1
	09/20/93												SW00122JE	3 1	+/	1 5
ROSS BETA (Total)	05/08/91	SW01161WC	11	+/	3		V	SW01163WC	8 2	+/	2 5		V			
*MDA= 4)																
	09/17/91	SW01579WC	7 7	/	2 1		A	SW01581WC	6 3	/	2		A			
	10/17/91							SW01687WC	4 5	+/	2		A			
	10/21/91	SW01685WC	17	/	3 3		V									
	01/27/92	SW01807WC	13	/	2 3		A	SW01809WC	4 2	+/	2 1		A			
	04/06/92	SW70259WC	19 37	/	0		R	SW70260WC	14 8	+/	0		R			
	04/22/92	SW70266WC	0	+/	0	U	R	SW70267WC	21 75	/	0		R			
	04/27/92	SW01889WC	23 3	+/	0		R	SW01891WC	19 08	+/	0		R			
	05/06/92	SW70271WC	20 86	/	0		R	SW70272WC	27 3	/	0		R			
	05/20/92	SW70285WC	56 33	+/	0		R	SW70286WC	24 13	+/	0		R			
	06/04/92	SW70290WC	2 52	+/	0	J	R	SW70291WC	26 91	+/	0		R			
	06/17/92	SW70293WC	21 31	/	0		R	SW70294WC	30 72	+/	0		R			
	07/02/92	SW70296WC	4 1	+/	1		A	SW70297WC	11	+/	1 3		A			
	07/15/92							SW70300WC	5 7	/	1 9		A			
	07/29/92	SW70302WC	5	+/	3 79	UC		SW70303WC	5 1	+/	3 26	C				
	08/12/92	SW70305WC	4 571	+/	2 48		A	SW70306WC	4 777	+/	2 13		A			
	08/20/92	SW02012WC	4 99	+/	2 52		A	SW02013WC	4 424	/	1 75		A			
	08/26/92	SW70310WC	4 86	/	0		R	SW70309WC	4 71	/	0		R			
	09/08/92	SW70314WC	5 1	+/	1 4		V	SW70313WC	3 9	/	1 1	J	V			

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(Activity reported in pCi/l)

	STATION SW059						STATION SW061					STATION SW132	
ALYTE	SAMPLE DATE	SAMPLE NUMBER	ACTIVITY				SAMPLE NUMBER	ACTIVITY				SAMPLE NUMBER	ACTIVITY
ROSS BETA (Total)													
MDA 4)													
	09/22/92	SW70315WC	4 3	/ 1 2		V	SW70316WC	3 5	/ 94	J	V		
	10/07/92	SW70321WC	4 3	+/ 1 3		V	SW70320WC	5 4	/ 1 1		V		
	10/21/92	SW70324WC	2 918	+/ 1 11	J	A	SW70323WC	3 041	+/ 1 08	J	A		
	11/06/92						SW70326WC	3 762	+/ 1 55	J	A		
	11/17/92						SW70329WC	5 9	+/ 2 96	C	V		
	12/03/92						SW70332WC	3 702	+/ 1 72	J	A		
	01/06/93						SW70340WC	6 864	/ 3 51		A		
	01/13/93	SW70344WC	7 47	/ 4 08		V	SW70343WC	3 19	+/ 3 25	U	V		
	01/27/93	SW70347WC	7 9	/ 5 77	UC	V	SW70346WC	7 8	/ 4 54	C	V		
	02/09/93	SW70350WC	5 9	+/ 5 51	UC	V	SW70349WC	4 4	+/ 2 6	C	V		
	02/24/93	SW70353WC	6	+/ 3 45		V	SW70352WC	5 5	+/ 3 34		V		
	03/12/93						SW70001JE	9 6	/ 2 71		V		
	03/23/93	SW70005JE	5 247	/ 1 89		V	SW70004JE	3 139	+/ 1 62		V		
	04/07/93	SW70010JE	5 4	+/ 1 8			SW70009JE	4 6	+/ 1 9				
	04/22/93	SW70013JE	3 443	+/ 1 97			SW70012JE	16 42	+/ 2 73				
	05/05/93	SW70022JE	4 781	+/ 1 93			SW70020JE	2 038	+/ 1 45	J			
	05/19/93	SW70029JE	7 1	+/ 1 8			SW70028JE	4 3	+/ 2				
	06/02/93	SW70047JE	3 2	+/ 3 56	UC		SW70046JE	4	+/ 2 98	UC			
	06/16/93	SW70051JE	3 2	+/ 9	J		SW70050JE	3 3	+/ 98	J			
	06/30/93	SW70076JE	5 1	+/ 0 69		A	SW70075JE	2 9	+/ 0 91	J	A		
	07/14/93	SW70080JE	3 3	+/ 1 3	J		SW70079JE	4 1	/ 1 3				
	07/28/93	SW70093JE	3 4	/ 1 3	JX		SW70092JE	2 5	/ 1 2	J			
	08/11/93	SW00103JE	2 8	+/ 9	J		SW00102JE	2 9	/ 1 3	J			
	08/27/93	SW00106JE	1 8	+/ 0 89	J		SW00105JE	3 9	+/ 1 4	J			

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W = Post digestion spike out of control limits duplicate analysis outside control limits
S = Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program, EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Total Radiochemistry
(Activity reported in pCi/l)

		STATION SW059				STATION SW061				STATION SW132			
NALYTE	SAMPLE DATE	SAMPLE NUMBER	ACTIVITY			SAMPLE NUMBER	ACTIVITY			SAMPLE NUMBER	ACTIVITY		
ROSS BETA (Total) MDA 4)													
	09/07/93									SW00107JE	2 8	+/ 1 3	J
	09/08/93	SW00110JE	1 3	+/ 1 2	U	SW00109JE	3 1	/ 1 3	J	SW00108JE	3 4	/ 1 3	J
	09/09/93									SW00111JE	4 0	+/ 1 00	
	09/10/93									SW00112JE	2 5	/ 1 2	J
	09/11/93									SW00113JE	5 0	+/ 0 99	
	09/12/93									SW00114JE	2 6	/ 1 3	J
	09/13/93									SW00115JE	9 6	/ 1 6	
	09/14/93									SW00116JE	3 7	+/ 1 3	J
	09/15/93									SW00117JE	5 3	+/ 1 0	
	09/16/93									SW00118JE	4 0	/ 1 4	
	09/17/93									SW00119JE	5 1	+/ 1 4	
	09/18/93									SW00120JE	6 0	+/ 1 4	
	09/19/93									SW00121JE	4 5	+/ 1 3	
	09/20/93									SW00122JE	4 0	+/ 0 93	
LUTONIUM 236 Total)	04/06/92	SW70259WC	004	/ 006	R	SW70260WC	0	+/ 0	R				
	04/22/92	SW70266WC	0	+/ 0	R	SW70267WC	0	+/ 0	R				
	04/27/92	SW01889WC	019	+/ 015	R	SW01891WC	044	+/ 022	R				
	05/06/92	SW70271WC	0	+/ 0	R	SW70272WC	0	+/ 0	R				
	05/20/92	SW70285WC	0	+/ 0	R	SW70286WC	0	/ 0	R				
	06/04/92	SW70290WC	0	+/ 0	R	SW70291WC	114	+/ 418	R				
	06/17/92	SW70293WC	0	/ 0	R	SW70294WC	016	+/ 006	R				
	08/26/92	SW70310WC	0011	+/ 004	R	SW70309WC	001	/ 007	R				
LUTONIUM 238	04/06/92	SW70259WC	0	/ 0	U R	SW70260WC	0	/ 0	U R				

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES. V Valid. A = Acceptable. R Rejected. J = Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Total Radiochemistry
(Activity reported in pCi/l)

		STATION SW059					STATION SW061					STATION SW132	
NALYTE	SAMPLE DATE	SAMPLE NUMBER	ACTIVITY				SAMPLE NUMBER	ACTIVITY				SAMPLE NUMBER	ACTIVITY
LUTONIUM 238													
Total)													
	04/22/92	SW70266WC	0	+/	0	U	R	SW70267WC	0	/	0	U	R
	04/27/92	SW01889WC	014	+/	018	J	R	SW01891WC	008	+/	009	J	R
	05/06/92	SW70271WC	0164	+/	014	U	R	SW70272WC	0	+/	0	U	R
	05/20/92	SW70285WC	0	/	0	U	R	SW70286WC	0	+/	0	U	R
	06/04/92	SW70290WC	0	/	0	U	R	SW70291WC	019	+/	014	J	R
	06/17/92	SW70293WC	0	/	0		R	SW70294WC	033	/	008	J	R
	07/29/92	SW70302WC	002	/	005	U	Z	SW70303WC	025	+/	011		Z
	08/26/92	SW70310WC	0012	/	014	U	R	SW70309WC	0091	+/	016	U	R
	08/11/93	SW00103JE	0	/	0 003	U	Z	SW00102JE	0 001	+/	0 004	U	Z
LUTONIUM 239	05/08/91	SW01161WC	024	+/	012		A	SW01163WC	005	/	007	U	A
Total) (*MDA 0 01)													
LUTONIUM 239/240	06/20/91	SW01264WC	04943	/	0181		A	SW01266WC	01503	+/	00884		A
Total) (*MDA 0 01)													
	07/12/91							SW01369WC	005259	/	00559	J	V
	08/07/91	SW01473WC	03842	/	0189		A	SW01475WC	0005505	+/	00234	J	V
	09/17/91	SW01579WC	022	/	01		A	SW01581WC	007	+/	004	J	A
	10/17/91							SW01687WC	007	+/	004	J	A
	10/21/91	SW01685WC	021	+/	007		V						
	01/27/92	SW01807WC	16	+/	026		V	SW01809WC	028	+/	01		V
	04/06/92	SW70259WC	046	+/	024		R	SW70260WC	165	+/	045		R
	04/22/92	SW70266WC	075	+/	036		R	SW70267WC	0	+/	0	U	R
	04/27/92	SW01889WC	562	+/	081		R	SW01891WC	223	+/	052		R
	05/06/92	SW70271WC	0548	+/	022	U	R	SW70272WC	022	+/	012		R

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R = Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Total Radiochemistry
(Activity reported in pCi/l)

NALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	ACTIVITY					STATION SW061 SAMPLE NUMBER	ACTIVITY					STATION SW132 SAMPLE NUMBER	ACTIVITY
LUTONIUM 239/240 Total) (MDA 0 01)															
	05/20/92	SW70285WC	038	/	013		R	SW70286WC	627	/	065		R		
	06/04/92	SW70290WC	02	+/	016		R	SW70291WC	003	/	014	U	R		
	06/17/92	SW70293WC	0	/	0		R	SW70294WC	006	+/	004	J	R		
	07/02/92	SW70296WC	006	+/	004	U	A	SW70297WC	007	/	007	U	A		
	07/15/92							SW70300WC	003	/	004	U	A		
	07/29/92	SW70302WC	015	/	007	U	A	SW70303WC	008	+/	006	U	A		
	08/12/92	SW70305WC	003749	/	00532	J	V	SW70306WC	003368	+/	00675	J	V		
	08/20/92	SW02012WC	006613	/	00665	J	V	SW02013WC	03293	/	0237		V		
	08/26/92	SW70310WC	007	/	016	J	R	SW70309WC	381	/	052		R		
	09/08/92	SW70314WC	001	/	01	U	V	SW70313WC	003	/	007	U	V		
	09/22/92	SW70315WC	013	/	014	U	V	SW70316WC	019	+/	019	U	V		
	10/07/92	SW70321WC	01	/	005		V	SW70320WC	029	+/	014		V		
	10/21/92	SW70324WC	004705	+/	00668	J	A	SW70323WC	02378	+/	0145		A		
	11/06/92							SW70326WC	02016	+/	0182		A		
	11/17/92							SW70329WC	0 020	+/	01161		A		
	12/03/92							SW70332WC	00574	/	00708	J	A		
	01/06/93							SW70340WC	006195	/	00623	J	A		
	01/27/93	SW70347WC	024	+/	00863		A	SW70346WC	033	/	01081		A		
	02/09/93	SW70350WC	12	+/	02164		A	SW70349WC	041	+/	00891		A		
	02/24/93	SW70353WC	011	+/	00508		A	SW70352WC	028	+/	00823		A		
	03/12/93							SW70001JE	2291	+/	0393		A		
	03/23/93	SW70005JE	019	/	0112		A	SW70004JE	004291	/	00542	J	A		
	04/07/93	SW70010JE	0 010	/	0 006	B	V	SW70009JE	0 002	/	0 003	U	V		
	04/22/93	SW70013JE	03222	+/	0131			SW70012JE	1678	+/	042				

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES. V Valid. A Acceptable. R = Rejected. J = Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Total Radiochemistry
(Activity reported in pCi/l)

		STATION SW059						STATION SW061						STATION SW132					
NALYTE	SAMPLE DATE	SAMPLE NUMBER	ACTIVITY					SAMPLE NUMBER	ACTIVITY					SAMPLE NUMBER	ACTIVITY				
LUTONIUM 239/240																			
Total) (MDA 0 01)																			
	05/05/93	SW70022JE	0116	+/	0074		A	SW70020JE	03708	+/	0166		A						
	05/19/93	SW70029JE	05	+/	014			SW70028JE	016	+/	008								
	06/02/93	SW70047JE	0095	+/	00694			SW70046JE	01	+/	005								
	06/16/93	SW70051JE	008	/	008	U		SW70050JE	009	/	011	U							
	06/30/93	SW70076JE	015	+/	007			SW70075JE	005	+/	007	U							
	07/14/93	SW70080JE	0 004	+/	0 004	U	V	SW70079JE	0 012	+/	0 007		V						
	07/28/93	SW70093JE	0 003	/	0 003	U	V	SW70092JE	0 005	/	0 004	U	V						
	08/11/93	SW00103JE	0 005	/	0 007	U	V	SW00102JE	0 009	/	0 006	J	V						
	08/27/93	SW00106JE	0 004	/	0 004	U		SW00105JE	0 015	/	0 009								
	09/07/93													SW00107JE	0 017	+/	0 009		
	09/08/93	SW00110JE	0	+/	0 004	U		SW00109JE	0 018	/	0 012	U		SW00108JE	0 002	+/	0 009	U	
	09/09/93													SW00111JE	0 008	+/	0 009	U	
	09/10/93													SW00112JE	0 007	+/	0 005	J	
	09/11/93													SW00113JE	0 007	+/	0 005	J	
	09/12/93													SW00114JE	0 007	/	0 037	U	
	09/13/93													SW00115JE	0 045	+/	0 013		
	09/14/93													SW00116JE	0 011	+/	0 006		
	09/15/93													SW00117JE	0 013	+/	0 009		
	09/16/93													SW00118JE	0 004	+/	0 004	U	
	09/17/93													SW00119JE	0 009	+/	0 009	U	
	09/18/93													SW00120JE	0 026	+/	0 013		
	09/19/93													SW00121JE	0 006	+/	0 005	U	
	09/20/93													SW00122JE	0 009	+/	0 009	U	
ADIUM 226 (Total)	10/17/91							SW01687WCL	0 32	+/	0 10	BJ	R						

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Total Radiochemistry
(Activity reported in pCi/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 ACTIVITY					STATION SW061 SAMPLE NUMBER	STATION SW061 ACTIVITY					STATION SW132 SAMPLE NUMBER	STATION SW132 ACTIVITY
RADIUM 226 (Total) *MDA 0 5)															
	01/27/92	SW01807WC	81	/	16	B	A	SW01809WC	7	+/	15	B	A		
	07/29/92	SW70302WC	28	+/	0619		V	SW70303WC	18	/	05156		V		
	11/06/92							SW70326WC	1831	+/	089	J	A		
	02/24/93	SW70353WC	0	/	0	U	V	SW70352WC	02	+/	12	U	V		
	04/07/93	SW70010JE	46	/	09	J	V								
	04/22/93	SW70013JE	1526	/	0828			SW70012JE	216	+/	0816				
	06/02/93	SW70047JE	25	/	169			SW70046JE	3	+/	178				
STRONTIUM 89 90 Total) (*MDA 1)	09/17/91	SW01579WC	65	+/	31	J	A	SW01581WC	49	/	26	J	A		
	10/17/91							SW01687WC	25	/	16	J	A		
	10/21/91	SW01685WC	082	/	27	U	V								
	01/27/92	SW01807WC	09	+/	16	U	V	SW01809WC	35	+/	19	J	V		
	04/06/92	SW70259WC	4 903	+/	0		R	SW70260WC	4 662	+/	0		R		
	04/22/92	SW70266WC	6 11	+/	0		R	SW70267WC	7 32	+/	0		R		
	04/27/92	SW01889WC	6 88	+/	0		R	SW01891WC	7 92	+/	0		R		
	05/06/92	SW70271WC	4 39	/	0		R	SW70272WC	4 48	+/	0		R		
	05/20/92	SW70285WC	0	/	0	U	R	SW70286WC	0	+/	0	U	R		
	06/04/92	SW70290WC	9 25	+/	0		R	SW70291WC	5 865	+/	0	U	R		
	06/17/92	SW70293WC	8 129	+/	0		R	SW70294WC	8 613	+/	0		R		
	07/02/92	SW70296WC	26	+/	21	U	R	SW70297WC	008	/	15	U	R		
	07/15/92							SW70300WC	098	+/	26	U	R		
	07/29/92	SW70302WC	1 0	/	1 0		Y	SW70303WC	07	+/	91		Y		
	08/12/92	SW70305WC	1736	/	239	J	A	SW70306WC	3287	+/	294	J	A		

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits * duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Total Radiochemistry
(Activity reported in pCi/l)

NALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	ACTIVITY					STATION SW061 SAMPLE NUMBER	ACTIVITY					STATION SW132 SAMPLE NUMBER	ACTIVITY
TRONTIUM 89 90															
Total) (*MDA 1)															
	08/20/92	SW02012WC	0714	+/	232	J	A	SW02013WC	3478	+/	313	J	A		
	08/26/92	SW70310WC	2 78	+/	0		R	SW70309WC	2 65	+/	0		R		
	09/08/92	SW70314WC	006	/	097	U	A	SW70313WC	081	/	13	U	A		
	09/22/92	SW70315WC	005	+/	074	U	A	SW70316WC	008	+/	081	U	A		
	10/07/92	SW70321WC	054	/	11	U	A	SW70320WC	075	+/	12	U	A		
	10/21/92	SW70324WC	69	/	55	J		SW70323WC	9394	/	584	J	A		
	11/17/92							SW70329WC	21	/	539	U	A		
	12/03/92							SW70332WC	2964	+/	291	J			
	01/06/93							SW70340WC	2012	+/	286	J	A		
	01/13/93	SW70344WC	18	/	534	U	V	SW70343WC	34	/	514	U	V		
	01/27/93	SW70347WC	35	/	591	U	V	SW70346WC	05	+/	53	U	V		
	02/09/93	SW70350WC	29	/	927	U	V	SW70349WC	22	/	498	U	V		
	02/24/93	SW70353WC	734	+/	636	U		SW70352WC	81	+/	636				
	03/12/93							SW70001JE	1606	+/	343	J	V		
	03/23/93	SW70005JE	3822	+/	317	J		SW70004JE	6546	+/	336				
	04/07/93	SW70010JE	43	/	19	J		SW70009JE	84	/	23	J			
	04/22/93	SW70013JE	0621	+/	325	J		SW70012JE	2224	+/	349	J			
	05/05/93	SW70022JE	002907	+/	436	J		SW70020JE	4088	+/	351	J			
	05/19/93	SW70029JE	28	+/	18	BJ		SW70028JE	47	+/	17	BJ			
	06/02/93	SW70047JE	3	+/	612	U		SW70046JE	26	+/	575	U			
	06/16/93	SW70051JE	033	/	22	U		SW70050JE	058	/	18	U			
	06/30/93	SW70076JE	051	/	1	U		SW70075JE	14	+/	16	U			
	07/14/93	SW70080JE	045	/	13	U		SW70079JE	13	/	16	U			
	07/28/93	SW70093JE	065	/	19	U		SW70092JE	028	/	14	U			

QUALIFIER CODES U = Analyzed but not detected B = Reported value is less than CRDL but greater than IDL
E = Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S = Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES: V Valid A Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Total Radiochemistry
(Activity reported in pCi/l)

		STATION SW059						STATION SW061						STATION SW132					
NALYTE	SAMPLE DATE	SAMPLE NUMBER	ACTIVITY					SAMPLE NUMBER	ACTIVITY					SAMPLE NUMBER	ACTIVITY				
TRONTIUM 89 90 Total) (*MDA 1)																			
	08/11/93	SW00103JE	082	+/	12	U		SW00102JE	14	/	14	U							
	08/27/93	SW00106JE	0 074	/	0 10	U		SW00105JE	0 039	/	0 11	U							
	09/07/93													SW00107JE	0 24	+/	0 17	J	
	09/08/93	SW00110JE	0 029	/	0 20	U		SW00109JE	0 11	+/	0 19	U		SW00108JE	0 080	+/	0 20	U	
	09/09/93													SW00111JE	0 013	+/	0 11	U	
	09/10/93													SW00112JE	0 26	+/	0 16	BJ	
	09/11/93													SW00113JE	0 13	/	0 13	U	
	09/12/93													SW00114JE	0 071	+/	0 12	U	
	09/13/93													SW00115JE	0 046	/	0 11	U	
	09/14/93													SW00116JE	0 16	+/	0 15	U	
	09/15/93													SW00117JE	0 20	+/	0 10	J	
	09/16/93													SW00118JE	0 18	+/	0 16	U	
	09/17/93													SW00119JE	0 030	+/	0 14	U	
	09/18/93													SW00120JE	0 015	+/	0 12	U	
	09/19/93													SW00121JE	0 14	+/	0 13	U	
	09/20/93													SW00122JE	0 093	+/	0 15	U	
OTAL RADIOCESIUM Total)	07/29/92	SW70302WC	52	+/	517	U		SW70303WC	031	+/	529	U							
	09/08/92	SW70314WC	009	+/	1	U	A	SW70313WC	11	+/	17	U	A						
	09/22/92	SW70315WC	17	+/	13	U	A	SW70316WC	16	+/	19	U	A						
	10/07/92	SW70321WC	16	/	18	U	A	SW70320WC	12	+/	12	U	A						
	11/17/92							SW70329WC	54	/	549	U	V						
	01/13/93	SW70344WC	4	/	517	U	A	SW70343WC	52	/	52	U	A						
	01/27/93	SW70347WC	1 2	+/	648		A	SW70346WC	57	+/	446	U	A						

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable, R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Total Radiochemistry
(Activity reported in pCi/l)

NALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	ACTIVITY					STATION SW061 SAMPLE NUMBER	ACTIVITY					STATION SW132 SAMPLE NUMBER	ACTIVITY			
OTAL RADIOCESIUM Total)																		
	02/09/93	SW70350WC	4	+/	492	U	A	SW70349WC	61	+/	459	U	A					
	02/24/93	SW70353WC	958	+/	55	U		SW70352WC	1 07	+/	63	U						
	04/07/93	SW70010JE	53	+/	36	J		SW70009JE	58	+/	47	U						
	05/19/93	SW70029JE	1 3	+/	49			SW70028JE	1 2	+/	52							
	06/02/93	SW70047JE	11	+/	439	U		SW70046JE	26	+/	408	U						
	06/16/93	SW70051JE	13	/	2	U		SW70050JE	17	+/	1	U						
	06/30/93	SW70076JE	059	/	11	U		SW70075JE	014	/	094	U						
	07/14/93	SW70080JE	025	/	095	U		SW70079JE	081	+/	11	U						
	07/28/93	SW70093JE	032	/	1	U		SW70092JE	2	+/	23	U						
	08/11/93	SW00103JE	11	/	12	U		SW00102JE	23	+/	18	U						
	08/27/93	SW00106JE	0 040	/	0 17	U		SW00105JE	0 096	+/	0 10	U						
	09/07/93													SW00107JE	0 18	+/	0 098	U
	09/08/93	SW00110JE	0 062	+/	0 076	U		SW00109JE	0 078	+/	0 092	U		SW00108JE	0 12	+/	0 083	U
	09/09/93													SW00111JE	0 071	+/	0 22	U
	09/10/93													SW00112JE	0 14	+/	0 16	U
	09/11/93													SW00113JE	0 058	+/	0 14	U
	09/12/93													SW00114JE	0 12	+/	0 11	U
	09/13/93													SW00115JE	0 16	+/	0 13	U
	09/14/93													SW00116JE	0 083	+/	0 10	U
	09/15/93													SW00117JE	0 12	+/	0 11	U
	09/16/93													SW00118JE	0 062	+/	0 14	U
	09/17/93													SW00119JE	0 20	+/	0 13	U
	09/18/93													SW00120JE	0 032	+/	0 17	U
	09/19/93													SW00121JE	0 041	+/	0 11	U

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits = duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value.
*CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Total Radiochemistry
(Activity reported in pCi/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	ACTIVITY					STATION SW061 SAMPLE NUMBER	ACTIVITY					STATION SW132 SAMPLE NUMBER	ACTIVITY				
TOTAL RADIOCESIUM (Total)	09/20/93													SW00122JE	0 061	+/	0 12	U	
TRITIUM (Total) (*MDA= 400)	05/08/91	SW01161WC	200	+/		U		SW01163WC	200	+/		U							
	06/20/91	SW01264WC	17 6	/	191	J	V	SW01266WC	93 81	+/	197	J	V						
	07/12/91							SW01369WC	25 1	+/	195	J	V						
	08/07/91	SW01473WC	40 67	/	204	J	V	SW01475WC	32 92	+/	204	J	V						
	09/17/91	SW01579WC	43	/	230	U	A	SW01581WC	390	+/	250	BJ	A						
	10/17/91							SW01687WC	73	+/	200	U	V						
	10/21/91	SW01685WC	100	/	150	U	V												
	01/27/92	SW01807WC	580	+/	270		V	SW01809WC	180	/	240	U	V						
	04/06/92	SW70259WC	0	/	0	U	R	SW70260WC	0	+/	0	U	R						
	04/27/92	SW01889WC	0	+/	0	U	R	SW01891WC	120 3	+/	0	J	R						
	08/20/92	SW02012WC	162	+/	235	J	V	SW02013WC	41 65	+/	229	J	V						
URANIUM 233 234 Total) (*MDA 0 6)	09/17/91	SW01579WC	3 7	+/	1 6		A	SW01581WC	3 2	+/	83		A						
	10/17/91							SW01687WC	2 3	+/	62	B	A						
	10/21/91	SW01685WC	4 1	+/	1		V												
	01/27/92	SW01807WC	4 6	+/	1 1	B	A	SW01809WC	2 7	+/	82	B	A						
	04/06/92	SW70259WC	5 651	+/	1 585		R	SW70260WC	54	+/	184	J	R						
	04/22/92	SW70266WC	2 319	+/	253		R	SW70267WC	044	+/	011	J	R						
	04/27/92	SW01889WC	028	+/	025	J	R	SW01891WC	018	+/	012	J	R						
	05/06/92	SW70271WC	049	+/	02	J	R	SW70272WC	084	+/	045	J	R						
	05/20/92	SW70285WC	381	+/	041	J	R	SW70286WC	1 213	+/	191		R						
	06/04/92	SW70290WC	3 456	+/	545		R	SW70291WC	061	/	044	J	R						

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits * = duplicate analysis outside control limits
S = Reported value was determined by method of standard additions GENERAL CODES: Missing
VALIDATION CODES: V Valid. A = Acceptable. R = Rejected. J Associated numerical value is an estimated value
*CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Total Radiochemistry
(Activity reported in pCi/l)

ALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	ACTIVITY					STATION SW061 SAMPLE NUMBER	ACTIVITY					STATION SW132 SAMPLE NUMBER	ACTIVITY
RANIUM 233 234															
Total) (*MDA 0 6)															
	06/17/92	SW70293WC	5 821	+/	591		R	SW70294WC	6 174	+/	741		R		
	07/02/92	SW70296WC	4 3	/	75		A	SW70297WC	2 3	+/	5		A		
	07/15/92							SW70300WC	2 6	/	57		A		
	07/29/92	SW70302WC	2 3	/	156		A	SW70303WC	2 7	/	173		A		
	08/12/92	SW70305WC	3 754	/	981		A	SW70306WC	2 283	+/	828		A		
	08/20/92	SW02012WC	3 116	/	877		A	SW02013WC	1 675	/	642		A		
	08/26/92							SW70309WC	433	/	12	J	R		
	09/08/92	SW70314WC	3 5	+/	73		V	SW70313WC	2 4	+/	62		V		
	09/22/92	SW70315WC	3 3	+/	62		V	SW70316WC	2	+/	45		V		
	10/07/92	SW70321WC	3	/	58		V	SW70320WC	1 6	/	44		V		
	10/21/92	SW70324WC	3 522	+/	1 07		A	SW70323WC	1 737	/	784		A		
	11/06/92							SW70326WC	2 704	+/	866		A		
	11/17/92							SW70329WC	2 8	+/	6544	Y	A		
	12/03/92							SW70332WC	3 011	+/	1 05		A		
	01/06/93							SW70340WC	4 344	+/	1 09		A		
	01/27/93	SW70347WC	3 5	/	80467		A	SW70346WC	2 3	+/	67578		A		
	02/09/93	SW70350WC	4 2	+/	88008		A	SW70349WC	1 7	+/	61806		A		
	02/24/93	SW70353WC	3	+/	83021		A	SW70352WC	3 1	+/	88068		A		
	03/12/93							SW70001JE	1 699	+/	671		A		
	03/23/93	SW70005JE	4 194	+/	1 14		A	SW70004JE	3 408	+/	975		A		
	04/07/93	SW70010JE	2 4	+/	0 64	B	A	SW70009JE	0 55	/	0 20	BJ	A		
	04/22/93	SW70013JE	4 215	+/	1 22			SW70012JE	4 59	+/	1 36				
	05/05/93	SW70022JE	3 407	/	1 09		A	SW70020JE	2 548	+/	763		A		
	05/19/93	SW70029JE	2 4	+/	75	B		SW70028JE	2 2	+/	81	B			

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E = Result is estimated W = Post digestion spike out of control limits * duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES: V Valid A Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Total Radiochemistry
(Activity reported in pCi/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	ACTIVITY				STATION SW061 SAMPLE NUMBER	ACTIVITY				STATION SW132 SAMPLE NUMBER	ACTIVITY			
URANIUM 233 234 Total) (*MDA 0 6)																
	06/02/93	SW70047JE	3 6	+/	78994		SW70046JE	3 3	+/	78889						
	06/16/93	SW70051JE	4	/	75		SW70050JE	2 7	+/	69						
	06/30/93	SW70076JE	3 2	+/	58		SW70075JE	3 2	+/	62						
	07/14/93	SW70080JE	3 2	/	0 56	V	SW70079JE	1 0	+/	0 20	V					
	07/28/93	SW70093JE	3 4	/	0 52	V	SW70092JE	2 4	+/	0 49	V					
	08/11/93	SW00103JE	2 9	/	0 49	V	SW00102JE	2 4	+/	0 42	V					
	08/27/93	SW00106JE	3 6	/	0 45		SW00105JE	1 9	+/	0 34						
	09/07/93											SW00107JE	2 4	/	0 52	
	09/08/93	SW00110JE	2 8	+/	0 60		SW00109JE	1 8	/	0 43		SW00108JE	2 3	+/	0 52	
	09/09/93											SW00111JE	3 3	/	0 28	
	09/10/93											SW00112JE	3 7	+/	0 32	
	09/11/93											SW00113JE	3 8	+/	0 30	
	09/12/93											SW00114JE	4 0	+/	0 66	
	09/13/93											SW00115JE	0 43	+/	0 21	J
	09/14/93											SW00116JE	2 4	+/	0 57	
	09/15/93											SW00117JE	3 3	+/	0 82	
	09/16/93											SW00118JE	3 6	+/	0 37	
	09/17/93											SW00119JE	3 7	+/	0 91	
	09/18/93											SW00120JE	1 7	+/	0 55	
	09/19/93											SW00121JE	2 7	+/	0 63	
	09/20/93											SW00122JE	3 5	+/	0 66	
URANIUM 234 Total)(*MDA 0 6)	08/26/92	SW70310WC	1 288	/	177	R										
URANIUM 235 (Total)	09/17/91	SW01579WC	019	+/	003	U A	SW01581WC	12	/	15	J A					

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES: V = Valid A Acceptable R = Rejected. J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Total Radiochemistry
(Activity reported in pCi/l)

NALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	ACTIVITY				STATION SW061 SAMPLE NUMBER	ACTIVITY					STATION SW132 SAMPLE NUMBER	ACTIVITY
RANIUM 235 (Total) *MDA= 0 6)														
	10/17/91						SW01687WC	07	+/	1	J	A		
	10/21/91	SW01685WC	15	/	21	U	V							
	01/27/92	SW01807WC	051	+/	1	J	A	SW01809WC	21	+/	21	J	A	
	04/06/92	SW70259WC	518	/	3	J	R	SW70260WC	014	+/	034	U	R	
	04/22/92	SW70266WC	214	/	074	J	R	SW70267WC	018	+/	008	J	R	
	04/27/92	SW01889WC	007	+/	014	J	R	SW01891WC	021	/	015	J	R	
	05/06/92	SW70271WC	031	+/	018	J	R	SW70272WC	034	+/	03	J	R	
	05/20/92	SW70285WC	036	/	013	J	R	SW70286WC	082	+/	042	J	R	
	06/04/92	SW70290WC	122	+/	107	J	R	SW70291WC	019	+/	029	J	R	
	06/17/92	SW70293WC	4	+/	122		R	SW70294WC	235	+/	111	J	R	
	07/02/92	SW70296WC	13	+/	11	U	A	SW70297WC	082	+/	11	U	A	
	07/15/92							SW70300WC	21	+/	19	J	A	
	07/29/92	SW70302WC	089	+/	027		A	SW70303WC	49	+/	063		A	
	08/12/92	SW70305WC	02937	+/	0995	J	A	SW70306WC	1211	+/	179	J	A	
	08/20/92	SW02012WC	1978	+/	199	J	A	SW02013WC	0	+/	163	J	A	
	08/26/92	SW70310WC	097	+/	056	J	R	SW70309WC	02	+/	039	J	R	
	09/08/92	SW70314WC	13	+/	13	U	V	SW70313WC	1	+/	14	U	V	
	09/22/92	SW70315WC	18	+/	15	U	V	SW70316WC	074	+/	099	U	V	
	10/07/92	SW70321WC	14	+/	095	U	V	SW70320WC	18	+/	15	U	V	
	10/21/92	SW70324WC	1729	+/	226	J	A	SW70323WC	031	+/	028	J	A	
	11/06/92							SW70326WC	1619	+/	199	J	A	
	11/17/92							SW70329WC	0 54	+/	28103	Y	A	
	12/03/92							SW70332WC	1308	+/	212	J	A	

QUALIFIER CODES U Analyzed but not detected B = Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES: V = Valid A = Acceptable R = Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Total Radiochemistry
(Activity reported in pCi/l)

NALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	ACTIVITY					STATION SW061 SAMPLE NUMBER	ACTIVITY					STATION SW132 SAMPLE NUMBER	ACTIVITY				
'RANIUM 235 (Total) MDA 0 6)																			
	01/06/93							SW70340WC	1871	+/	205	J	A						
	01/27/93	SW70347WC	24	+/	19706		A	SW70346WC	129	+/	15538	U	A						
	02/09/93	SW70350WC	2	/	17606		A	SW70349WC	17	+/	18924		A						
	02/24/93	SW70353WC	37	+/	27383		A	SW70352WC	046	/	10899	U	A						
	03/12/93							SW70001JE	04934	+/	118	J	A						
	03/23/93	SW70005JE	1956	/	236	J	A	SW70004JE	00883	/	0125	J	A						
	04/07/93	SW70010JE	0 20	/	0 18	J	A	SW70009JE	0 069	/	0 070	BJ	A						
	04/22/93	SW70013JE	1938	/	238	J		SW70012JE	03388	/	158	J							
	05/05/93	SW70022JE	1286	/	199	J	A	SW70020JE	04306	/	0941	J	A						
	05/19/93	SW70029JE	05	/	1	J		SW70028JE	054	+/	13	U							
	06/02/93	SW70047JE	29	/	21843			SW70046JE	084	+/	11709	U							
	06/16/93	SW70051JE	14	+/	11	U		SW70050JE	0	+/	075	U							
	06/30/93	SW70076JE	18	/	13	U		SW70075JE	1	/	1	U							
	07/14/93	SW70080JE	0 29	+/	0 17	J	V	SW70079JE	0 053	+/	0 064	U	V						
	07/28/93	SW70093JE	0 17	+/	0 10	J	V	SW70092JE	0 14	+/	0 14	U	V						
	08/11/93	SW00103JE	0 075	/	0 075	U	V	SW00102JE	0 096	+/	0 097	U	V						
	08/27/93	SW00106JE	0 13	+/	0 097	J		SW00105JE	0 13	+/	0 11	J							
	09/07/93													SW00107JE	0 13	+/	0 10	U	
	09/08/93	SW00110JE	0 20	/	0 18	J		SW00109JE	0 12	+/	0 097	U		SW00108JE	0 10	+/	0 10	U	
	09/09/93													SW00111JE	0 14	+/	0 062	J	
	09/10/93													SW00112JE	0 10	+/	0 047	J	
	09/11/93													SW00113JE	0 16	+/	0 062	J	
	09/12/93													SW00114JE	0 21	+/	0 14	J	
	09/13/93													SW00115JE	0 030	+/	0 061	U	

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E = Result is estimated W Post digestion spike out of control limits * duplicate analysis outside control limits
S = Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES: V Valid A Acceptable R Rejected J Associated numerical value is an estimated value
*CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Total Radiochemistry
(Activity reported in pCi/l)

	STATION SW059						STATION SW061						STATION SW132				
NALYTE	SAMPLE DATE	SAMPLE NUMBER	ACTIVITY				SAMPLE NUMBER	ACTIVITY					SAMPLE NUMBER	ACTIVITY			
RANIUM 235 (Total) MDA 0 6)																	
	09/14/93												SW00116JE	0 062	+/	0 062	U
	09/15/93												SW00117JE	0 17	+/	0 18	U
	09/16/93												SW00118JE	0 20	/	0 082	J
	09/17/93												SW00119JE	0 28	+/	0 19	U
	09/18/93												SW00120JE	0 18	/	0 18	U
	09/19/93												SW00121JE	0 13	/	0 14	U
	09/20/93												SW00122JE	0 20	/	0 17	J
RANIUM 238 (Total) MDA 0 6)	09/17/91	SW01579WC	4 6	+/	1 8		A	SW01581WC	2 6	/	74		A				
	10/17/91							SW01687WC	1 6	+/	51		A				
	10/21/91	SW01685WC	2 8	/	78		V										
	01/27/92	SW01807WC	2 7	/	82		A	SW01809WC	3 3	+/	93		A				
	04/06/92	SW70259WC	5 733	/	1 608		R	SW70260WC	027	+/	015	J	R				
	04/22/92	SW70266WC	1 976	/	223		R	SW70267WC	006	+/	004	J	R				
	04/27/92	SW01889WC	031	/	025	J	R	SW01891WC	009	/	009	J	R				
	05/06/92	SW70271WC	008	+/	008	J	R	SW70272WC	029	+/	024	J	R				
	05/20/92	SW70285WC	312	+/	0	J	R	SW70286WC	977	+/	151		R				
	06/04/92	SW70290WC	2 52	+/	442		R	SW70291WC	012	+/	02	J	R				
	06/17/92	SW70293WC	5 151	+/	53		R	SW70294WC	5 671	+/	685		R				
	07/02/92	SW70296WC	3 9	+/	69		A	SW70297WC	2 7	+/	56		A				
	07/15/92							SW70300WC	2 1	/	5		A				
	07/29/92	SW70302WC	2 1	+/	149		A	SW70303WC	2 3	/	156		A				
	08/12/92	SW70305WC	3 509	/	941		A	SW70306WC	2 119	+/	79		A				
	08/20/92	SW02012WC	2 621	+/	792		A	SW02013WC	1 249	/	545		A				

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W = Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES: Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Total Radiochemistry
(Activity reported in pCi/l)

NALYTE	STATION SW059						STATION SW061						STATION SW132	
	SAMPLE DATE	SAMPLE NUMBER	ACTIVITY				SAMPLE NUMBER	ACTIVITY					SAMPLE NUMBER	ACTIVITY
RANIUM 238 (Total) *MDA 0 6)														
	08/26/92	SW70310WC	1 323	/	176	R	SW70309WC	236	+/	087	J	R		
	09/08/92	SW70314WC	3 3	/	67	V	SW70313WC	2 9	+/	65		V		
	09/22/92	SW70315WC	3 5	/	63	V	SW70316WC	2 6	/	51		V		
	10/07/92	SW70321WC	2 4	+/	48	V	SW70320WC	2	/	46		V		
	10/21/92	SW70324WC	2 57	/	888	A	SW70323WC	1 458	+/	707		A		
	11/06/92						SW70326WC	2 67	+/	857		A		
	11/17/92						SW70329WC	2 7	/	63599	Y			
	12/03/92						SW70332WC	2 663	+/	97		A		
	01/06/93						SW70340WC	3 531	/	963		A		
	01/27/93	SW70347WC	3 7	/	83056		SW70346WC	2 1	+/	63958				
	02/09/93	SW70350WC	4 4	/	89897		SW70349WC	1 5	+/	59574				
	02/24/93	SW70353WC	3 1	+/	84658		SW70352WC	2 1	+/	70598				
	03/12/93						SW70001JE	1 699	+/	671		A		
	03/23/93	SW70005JE	2 911	+/	909	A	SW70004JE	2 865	+/	879		A		
	04/07/93	SW70010JE	2 7	/	0 68	B A	SW70009JE	0 68	+/	0 22	B	A		
	04/22/93	SW70013JE	3 39	+/	1 07		SW70012JE	3 465	+/	1 15				
	05/05/93	SW70022JE	3 209	+/	1 05	A	SW70020JE	2 977	+/	836		A		
	05/19/93	SW70029JE	2 6	+/	8	B	SW70028JE	2 4	+/	85	B			
	06/02/93	SW70047JE	2 8	+/	69025		SW70046JE	2 9	+/	73247				
	06/16/93	SW70051JE	2 8	+/	57		SW70050JE	2 4	+/	62				
	06/30/93	SW70076JE	2 6	+/	49		SW70075JE	3	+/	57				
	07/14/93	SW70080JE	2 9	+/	0 52	V	SW70079JE	0 94	+/	0 20		V		
	07/28/93	SW70093JE	2 6	/	0 44	V	SW70092JE	2 1	+/	0 44		V		
	08/11/93	SW00103JE	2 8	+/	0 49	V	SW00102JE	2 2	+/	0 38		V		

QUALIFIER CODES: U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V = Valid A Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Total Radiochemistry
(Activity reported in pCi/l)

	STATION SW059			STATION SW061			STATION SW132		
NALYTE	SAMPLE DATE	SAMPLE NUMBER	ACTIVITY	SAMPLE NUMBER	ACTIVITY		SAMPLE NUMBER	ACTIVITY	
RANIUM 238 (Total) MDA 0 6)									
	08/27/93	SW00106JE	2 4 / 0 36	SW00105JE	2 0 +/ 0 34				
	09/07/93						SW00107JE	1 7 +/ 0 42	
	09/08/93	SW00110JE	2 2 +/ 0 53	SW00109JE	1 7 +/ 0 39		SW00108JE	3 0 +/ 0 58	
	09/09/93						SW00111JE	2 9 +/ 0 25	
	09/10/93						SW00112JE	3 2 +/ 0 29	
	09/11/93						SW00113JE	3 4 +/ 0 28	
	09/12/93						SW00114JE	3 4 / 0 60	
	09/13/93						SW00115JE	0 40 / 0 20	J
	09/14/93						SW00116JE	2 0 +/ 0 51	
	09/15/93						SW00117JE	2 6 +/ 0 65	
	09/16/93						SW00118JE	3 5 +/ 0 37	
	09/17/93						SW00119JE	4 0 +/ 0 93	
	09/18/93						SW00120JE	2 0 +/ 0 57	
	09/19/93						SW00121JE	2 6 +/ 0 63	
	09/20/93						SW00121JE	2 6 +/ 0 63	

QUALIFIER CODES U = Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E = Result is estimated W = Post digestion spike out of control limits * duplicate analysis outside control limits
S = Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES: V Valid A Acceptable R = Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program, EG&G Rocky Flats February 15 1990)

Appendix C-2

Surface Water Dissolved and Total Metals Data

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Filtered Metals CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION
ALUMINUM (Filtered) (CRDL 200)	05/08/91	SW01161WC	40 9	U	JA	SW01163WC	108	U	V		
	06/20/91	SW01264WC	10	U	JA	SW01266WC	10	U	JA		
	08/07/91	SW01473WC	18		JA	SW01475WC	36 8	U	V		
	09/17/91	SW01579WC	22 3	U	V	SW01581WC	22 3	U	V		
	10/17/91					SW01687WC	22 3	U	V		
	10/21/91	SW01685WC	22 3	U	V						
	01/27/92	SW01807WC	22 4	U	V	SW01809WC	22 4	U	V		
	04/06/92	SW70259WC	94 7	U	JA	SW70260WC	29 2	U	V		
	04/22/92	SW70266WC	32 1		JA	SW70267WC	34 6		JA		
	04/27/92	SW01889WC	76		JA	SW01891WC	60 9		JA		
	05/06/92	SW70271WC	54 5	B	V	SW70272WC	29 2	U	V		
	05/20/92	SW70285WC	29 2	U	V	SW70286WC	29 2	U	V		
	06/04/92	SW70290WC	57 9	U	JA	SW70291WC	29 9	U	JA		
	06/17/92	SW70293WC	29 2	U	V	SW70294WC	29 2	U	V		
	07/02/92	SW70296WC	29 4	U	JA	SW70297WC	20 9	U	V		
	07/15/92					SW70300WC	22 9	B	V		
	07/29/92	SW70302WC	22 6	E	JA	SW70303WC	718	E	JA		
	08/12/92	SW70305WC	18	U	V	SW70306WC	29 4		JA		
	08/20/92	SW02012WC	17	U	V	SW02013WC	17	U	V		
	08/26/92	SW70310WC	17 3	U	V	SW70309WC	17 3	U	JA		
	09/08/92	SW70314WC	14 7	U	JA	SW70313WC	14 7	U	JA		
	09/22/92	SW70315WC	89		JA	SW70316WC	36 5		JA		
	10/07/92	SW70321WC	44 4		V	SW70320WC	45 8		V		
	10/21/92	SW70324WC	32 7		JA	SW70323WC	14 7	U	JA		
	11/06/92					SW70326WC	35 8		JA		

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Filtered Metals CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION		
ALUMINUM (Filtered) (CRDL 200)													
	11/17/92					SW70329WC	14 8		V				
	12/03/92					SW70332WC	22 5		JA				
	01/06/93					SW70340WC	27	U	V				
	01/13/93	SW70344WC	1890		V	SW70343WC	18	U	V				
	01/27/93	SW70347WC	31 7	U	V	SW70346WC	31 7	U	V				
	02/09/93	SW70350WC	21	U	JA	SW70349WC	18 8	U	JA				
	02/24/93	SW70353WC	18	U	V	SW70352WC	18	U	V				
	03/12/93					SW70001JE	31 7	U	V				
	03/23/93	SW70005JE	18	U		SW70004JE	18	U					
	04/07/93	SW70010JE	33 1		JA	SW70009JE	49 0		JA				
	04/22/93	SW70013JE	13	U	V	SW70012JE	13	U	V				
	05/05/93	SW70022JE	42 8		JA	SW70020JE	36 3		JA				
	05/19/93	SW70029JE	45 1		JA	SW70028JE	52 9		JA				
	06/02/93	SW70047JE	24 2	U	V	SW70046JE	24 2	U	V				
	06/16/93	SW70051JE	24 2	U		SW70050JE	24 2	U					
	06/30/93	SW70076JE	27 5	U		SW70075JE	27 5	U					
	07/14/93	SW70080JE	27 5	U		SW70079JE	27 5	U					
	07/28/93	SW70093JE	27 5	U		SW70092JE	27 5	U					
	08/11/93	SW00103JE	27 5	U		SW00102JE	27 5	U					
	08/27/93	SW00106JE	15	U		SW00105JE	15	U					
	09/07/93									SW00107JE	15	U	
	09/08/93	SW00110JE	15	U		SW00109JE	15	U		SW00108JE	15	U	
	09/09/93									SW00111JE	15 00	U	V
	09/10/93									SW00112JE	15 00	U	V
	09/11/93									SW00113JE	15 00	U	V

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Filtered Metals CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION		
ALUMINUM (Filtered) (CRDL 200)													
	09/12/93									SW00114JE	15 00	U	JA
	09/13/93									SW00115JE	82 90	B	JA
	09/14/93									SW00116JE	15 00	U	
	09/15/93									SW00117JE	18 00	B	
	09/16/93									SW00118JE	15 00	U	
	09/17/93									SW00119JE	15 00	U	
	09/18/93									SW00120JE	30 90	B	
	09/19/93									SW00121JE	15 00	U	
	09/20/93									SW00122JE	15 00	U	
	09/21/93	SW00125JE	15 00	U		SW00124JE	15 00	U					
	09/28/93	SW00128JE	15 00	U		SW00127JE	15 00	U					
ANTIMONY (Filtered) (CRDL 60)	05/08/91	SW01161WC	19 8	B	V	SW01163WC	25 6	U	V				
	06/20/91	SW01264WC	11	U	V	SW01266WC	11	U	JA				
	08/07/91	SW01473WC	11	U	V	SW01475WC	42 2	U	V				
	09/17/91	SW01579WC	13 8	U	V	SW01581WC	13 8	U	V				
	10/17/91					SW01687WC	13 8	U	V				
	10/21/91	SW01685WC	13 8	U	V								
	01/27/92	SW01807WC	13 5	U	V	SW01809WC	13 5	U	V				
	04/06/92	SW70259WC	18	U	V	SW70260WC	19 8	U	V				
	04/22/92	SW70266WC	19 8	U	V	SW70267WC	25 4		JA				
	04/27/92	SW01889WC	37 5		JA	SW01891WC	33 4		JA				
	05/06/92	SW70271WC	18	U	V	SW70272WC	19 8	U	V				
	05/20/92	SW70285WC	19 8	U	V	SW70286WC	33 4		JA				
	06/04/92	SW70290WC	18	U	V	SW70291WC	18	U	V				
	06/17/92	SW70293WC	19 8	U	V	SW70294WC	19 8	U	V				

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value
*CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Filtered Metals CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION
ANTIMONY (Filtered) (CRDL 60)											
	07/02/92	SW70296WC	49 3	U	V	SW70297WC	49 3	U	V		
	07/15/92					SW70300WC	49 3	U	JA		
	07/29/92	SW70302WC	17 3		V	SW70303WC	16 5	U	V		
	08/12/92	SW70305WC	17	U	V	SW70306WC	20 8		JA		
	08/20/92	SW02012WC	28 1		JA	SW02013WC	29 5		JA		
	08/26/92	SW70310WC	16 5	U	JA	SW70309WC	16 5	U	JA		
	09/08/92	SW70314WC	14 8	U	V	SW70313WC	21		JA		
	09/22/92	SW70315WC	14 8	U	JA	SW70316WC	14 8	U	JA		
	10/07/92	SW70321WC	14 8	U	V	SW70320WC	14 8	U	V		
	10/21/92	SW70324WC	14 8	U	JA	SW70323WC	14 8	U	JA		
	11/06/92					SW70326WC	14 8	U	JA		
	11/17/92					SW70329WC	14 8	U	V		
	12/03/92					SW70332WC	14 8	U	V		
	01/06/93					SW70340WC	18 4	U	V		
	01/13/93	SW70344WC	23	U	V	SW70343WC	23	U	V		
	01/27/93	SW70347WC	19 7	U	V	SW70346WC	19 7	U	V		
	02/09/93	SW70350WC	23	U	V	SW70349WC	23	U	V		
	02/24/93	SW70353WC	23	U	V	SW70352WC	23	U	V		
	03/12/93					SW70001JE	19 7	U	V		
	03/23/93	SW70005JE	23	U		SW70004JE	23	U			
	04/07/93	SW70010JE	34 0	U	JA	SW70009JE	34 0	U	V		
	04/22/93	SW70013JE	13	U	V	SW70012JE	13	U	V		
	05/05/93	SW70022JE	34	U	V	SW70020JE	34	U	V		
	05/19/93	SW70029JE	34	U	V	SW70028JE	34	U	V		
	06/02/93	SW70047JE	34	U	V	SW70046JE	34	U	V		

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits * = duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES: V Valid A = Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Filtered Metals CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION		
ANTIMONY (Filtered) (CRDL 60)													
	06/16/93	SW70051JE	34	U		SW70050JE	34	U					
	06/30/93	SW70076JE	31 2	U		SW70075JE	32 3						
	07/14/93	SW70080JE	31 2	U		SW70079JE	31 2	U					
	07/28/93	SW70093JE	31 2	U		SW70092JE	31 2	U					
	08/11/93	SW00103JE	31 2	U		SW00102JE	31 2	U					
	08/27/93	SW00106JE	17	U		SW00105JE	17	U					
	09/07/93									SW00107JE	21 9	B	
	09/08/93	SW00110JE	25 8	B		SW00109JE	24 5	B		SW00108JE	17	U	
	09/09/93									SW00111JE	17 00	U	V
	09/10/93									SW00112JE	17 00	U	V
	09/11/93									SW00113JE	17 00	U	V
	09/12/93									SW00114JE	17 00	U	V
	09/13/93									SW00115JE	17 00	U	V
	09/14/93									SW00116JE	21 10	B	
	09/15/93									SW00117JE	17 00	U	
	09/16/93									SW00118JE	19 90	B	
	09/17/93									SW00119JE	21 20	B	
	09/18/93									SW00120JE	27 80	B	
	09/19/93									SW00121JE	21 20	B	
	09/20/93									SW00122JE	17 00	U	
	09/21/93	SW00125JE	17 00	U		SW00124JE	17 00	U					
	09/28/93	SW00128JE	17 00	U		SW00127JE	17 00	U					
ARSENIC (Filtered) (CRDL 10)	05/08/91	SW01161WC	2	U	V	SW01163WC	9	U	JA				
	06/20/91	SW01264WC	4	U	JA	SW01266WC	4	U	JA				
	08/07/91	SW01473WC	2	U	V	SW01475WC	7	U	V				

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits * duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program, EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Filtered Metals CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION
ARSENIC (Filtered) (CRDL 10)											
	09/17/91	SW01579WC	1 1	U	JA	SW01581WC	1 1	U	V		
	10/17/91					SW01687WC	1 1	U	V		
	10/21/91	SW01685WC	1 1	U	JA						
	01/27/92	SW01807WC	1 3	U	V	SW01809WC	1 3	U	JA		
	04/06/92	SW70259WC	2	U	V	SW70260WC	8	U	R		
	04/22/92	SW70266WC	8	U	R	SW70267WC	8	U	JA		
	04/27/92	SW01889WC	8	U	JA	SW01891WC	8	U	JA		
	05/06/92	SW70271WC	1	U	V	SW70272WC	1 7	U	V		
	05/20/92	SW70285WC	1 7	U	V	SW70286WC	1 7	U	V		
	06/04/92	SW70290WC	1	B	V	SW70291WC	1 3	B	V		
	06/17/92	SW70293WC	7	U	JA	SW70294WC	7	U	JA		
	07/02/92	SW70296WC	2	U	V	SW70297WC	2	U	V		
	07/15/92					SW70300WC	2	U	V		
	07/29/92	SW70302WC	3 1		V	SW70303WC	3 2		V		
	08/12/92	SW70305WC	2	U	V	SW70306WC	1	U	JA		
	08/20/92	SW02012WC	1	U	JA	SW02013WC	1	U	JA		
	08/26/92	SW70310WC	1 9	U	V	SW70309WC	1 9	U	V		
	09/08/92	SW70314WC	3 2	U	V	SW70313WC	3 2	U	V		
	09/22/92	SW70315WC	1 9	U	JA	SW70316WC	1 9	U	JA		
	10/07/92	SW70321WC	1 9	U	V	SW70320WC	1 9	U	V		
	10/21/92	SW70324WC	3 2	U	JA	SW70323WC	3 2	U	JA		
	11/06/92					SW70326WC	1 9	U	JA		
	11/17/92					SW70329WC	2 2	U	V		
	12/03/92					SW70332WC	2 3		JA		
	01/06/93					SW70340WC	2	U	V		

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V = Valid A Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Filtered Metals CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION		
ARSENIC (Filtered) (CRDL 10)													
	01/13/93	SW70344WC	1	U	V	SW70343WC	1	U	V				
	01/27/93	SW70347WC	1 4	U	V	SW70346WC	1 4	U	V				
	02/09/93	SW70350WC	1	U	V	SW70349WC	1	U	V				
	02/24/93	SW70353WC	1 2	U	JA	SW70352WC	1 1	U	JA				
	03/12/93					SW70001JE	1 4	U	JA				
	03/23/93	SW70005JE	1	UW		SW70004JE	1	U					
	04/07/93	SW70010JE	1 2	U	JA	SW70009JE	1 2	U	JA				
	04/22/93	SW70013JE	1	U	JA	SW70012JE	1	U	JA				
	05/05/93	SW70022JE	1 4	U	V	SW70020JE	1 4	U	V				
	05/19/93	SW70029JE	1 4	U	V	SW70028JE	1 4	U	V				
	06/02/93	SW70047JE	1 2	U	V	SW70046JE	1 2	U	V				
	06/16/93	SW70051JE	1 4	U		SW70050JE	1 4	U					
	06/30/93	SW70076JE	1 4	U		SW70075JE	1 4	U					
	07/14/93	SW70080JE	1 6	U		SW70079JE	1 6	U					
	07/28/93	SW70093JE	1 4	U		SW70092JE	1 4	U					
	08/11/93	SW00103JE	1 4	U		SW00102JE	1 4	U					
	08/27/93	SW00106JE	1	U		SW00105JE	1	UW					
	09/07/93									SW00107JE	2 2	B	
	09/08/93	SW00110JE	1	U		SW00109JE	1	U		SW00108JE	2 1	B	
	09/09/93									SW00111JE	1 10	B	V
	09/10/93									SW00112JE	1 20	B	V
	09/11/93									SW00113JE	1 00	U	V
	09/12/93									SW00114JE	1 20	B	V
	09/13/93									SW00115JE	1 00	B	V
	09/14/93									SW00116JE	1 70	B	

QUALIFIER CODES U = Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits * duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R = Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Filtered Metals CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	
ARSENIC (Filtered) (CRDL 10)												
	09/15/93									SW00117JE	2 40	B
	09/16/93									SW00118JE	1 90	B
	09/17/93									SW00119JE	1 50	B
	09/18/93									SW00120JE	2 40	B
	09/19/93									SW00121JE	1 70	B
	09/20/93									SW00122JE	1 50	B
	09/21/93	SW00125JE	1 00	U		SW00124JE	1 00	U				
	09/28/93	SW00128JE	1 00	U		SW00127JE	1 00	U				
BARIUM (Filtered) (CRDL 200)	05/08/91	SW01161WC	156	B	V	SW01163WC	146		V			
	06/20/91	SW01264WC	200		V	SW01266WC	180		V			
	08/07/91	SW01473WC	85		V	SW01475WC	119		V			
	09/17/91	SW01579WC	195		JA	SW01581WC	137		V			
	10/17/91					SW01687WC	145		V			
	10/21/91	SW01685WC	170		V							
	01/27/92	SW01807WC	172		V	SW01809WC	172		V			
	04/06/92	SW70259WC	189	B	V	SW70260WC	162		V			
	04/22/92	SW70266WC	170		V	SW70267WC	161		V			
	04/27/92	SW01889WC	181		V	SW01891WC	173		V			
	05/06/92	SW70271WC	167	BE	JA	SW70272WC	175		V			
	05/20/92	SW70285WC	178		V	SW70286WC	165		V			
	06/04/92	SW70290WC	172	B	V	SW70291WC	150	B	V			
	06/17/92	SW70293WC	162		V	SW70294WC	169		V			
	07/02/92	SW70296WC	198	B	V	SW70297WC	170	B	V			
	07/15/92					SW70300WC	170	B	V			
	07/29/92	SW70302WC	197		V	SW70303WC	169		V			

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits * duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Filtered Metals CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION
BARIUM (Filtered) (CRDL 200)											
	08/12/92	SW70305WC	190	U	V	SW70306WC	162		V		
	08/20/92	SW02012WC	162		V	SW02013WC	138		V		
	08/26/92	SW70310WC	81		V	SW70309WC	123		V		
	09/08/92	SW70314WC	170		V	SW70313WC	160		V		
	09/22/92	SW70315WC	166		JA	SW70316WC	163		JA		
	10/07/92	SW70321WC	155		V	SW70320WC	162		V		
	10/21/92	SW70324WC	167		JA	SW70323WC	113		JA		
	11/06/92					SW70326WC	156		JA		
	11/17/92					SW70329WC	152		V		
	12/03/92					SW70332WC	147		V		
	01/06/93					SW70340WC	154	I	JA		
	01/13/93	SW70344WC	171	B	V	SW70343WC	195	B	V		
	01/27/93	SW70347WC	160		V	SW70346WC	129		V		
	02/09/93	SW70350WC	174	B	V	SW70349WC	108	B	V		
	02/24/93	SW70353WC	159	B	V	SW70352WC	159	B	V		
	03/12/93					SW70001JE	97 5		V		
	03/23/93	SW70005JE	171	B		SW70004JE	166	B			
	04/07/93	SW70010JE	143		V	SW70009JE	125		V		
	04/22/93	SW70013JE	173	B	V	SW70012JE	186	B	V		
	05/05/93	SW70022JE	174		V	SW70020JE	171		V		
	05/19/93	SW70029JE	103		V	SW70028JE	162		V		
	06/02/93	SW70047JE	143		V	SW70046JE	161		V		
	06/16/93	SW70051JE	167			SW70050JE	163				
	06/30/93	SW70076JE	176			SW70075JE	152				
	07/14/93	SW70080JE	174			SW70079JE	83 9				

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Filtered Metals CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION		
BARIUM (Filtered) (CRDL 200)													
	07/28/93	SW70093JE	166			SW70092JE	157						
	08/11/93	SW00103JE	162			SW00102JE	154						
	08/27/93	SW00106JE	174	B		SW00105JE	149	B					
	09/07/93									SW00107JE	85 7	B	
	09/08/93	SW00110JE	164	B		SW00109JE	131	B		SW00108JE	99 5	B	
	09/09/93									SW00111JE	116 00	B	V
	09/10/93									SW00112JE	118 00	B	V
	09/11/93									SW00113JE	120 00	B	V
	09/12/93									SW00114JE	124 00	B	V
	09/13/93									SW00115JE	15 20	B	V
	09/14/93									SW00116JE	94 20	B	
	09/15/93									SW00117JE	111 00	B	
	09/16/93									SW00118JE	120 00	B	
	09/17/93									SW00119JE	124 00	B	
	09/18/93									SW00120JE	77 30	B	
	09/19/93									SW00121JE	104 00	B	
	09/20/93									SW00122JE	116 00	B	
	09/21/93	SW00125JE	129 00	B		SW00124JE	168 00	B					
	09/28/93	SW00128JE	181 00	B		SW00127JE	163 00	B					
BERYLLIUM (Filtered) (*CRDL 5)	05/08/91	SW01161WC	1	U	V	SW01163WC	5	U	V				
	06/20/91	SW01264WC	1	U	V	SW01266WC	1	U	V				
	08/07/91	SW01473WC	1	U	V	SW01475WC	6	U	V				
	09/17/91	SW01579WC	5	U	V	SW01581WC	5	U	V				
	10/17/91					SW01687WC	5	U	V				
	10/21/91	SW01685WC	5	U	V								

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E = Result is estimated W Post digestion spike out of control limits = duplicate analysis outside control limits
S = Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Filtered Metals CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION
BERYLLIUM (Filtered) (CRDL 5)											
	01/27/92	SW01807WC	8		V	SW01809WC	8	U	V		
	04/06/92	SW70259WC	1	U	V	SW70260WC	6	U	V		
	04/22/92	SW70266WC	7		JA	SW70267WC	6	U	V		
	04/27/92	SW01889WC	6		JA	SW01891WC	6	U	V		
	05/06/92	SW70271WC	1	U	V	SW70272WC	6	U	V		
	05/20/92	SW70285WC	6	U	V	SW70286WC	6	U	V		
	06/04/92	SW70290WC	1 2	U	JA	SW70291WC	1	U	V		
	06/17/92	SW70293WC	6	U	JA	SW70294WC	6	U	JA		
	07/02/92	SW70296WC	1 1	U	V	SW70297WC	1 1	U	V		
	07/15/92					SW70300WC	1 1	U	V		
	07/29/92	SW70302WC	4	U	V	SW70303WC	4	U	V		
	08/12/92	SW70305WC	1	U	V	SW70306WC	6	U	V		
	08/20/92	SW02012WC	6	U	V	SW02013WC	1 4		JA		
	08/26/92	SW70310WC	4	U	V	SW70309WC	4		JA		
	09/08/92	SW70314WC	3	U	V	SW70313WC	3	U	V		
	09/22/92	SW70315WC	3	U	JA	SW70316WC	3	U	JA		
	10/07/92	SW70321WC	3	U	V	SW70320WC	3	U	V		
	10/21/92	SW70324WC	3	U	JA	SW70323WC	3	U	JA		
	11/06/92					SW70326WC	3	U	JA		
	11/17/92					SW70329WC	3	U	V		
	12/03/92					SW70332WC	39		JA		
	01/06/93					SW70340WC	5	U	V		
	01/13/93	SW70344WC	1	U	V	SW70343WC	1	U	V		
	01/27/93	SW70347WC	9	U	V	SW70346WC	9	U	V		
	02/09/93	SW70350WC	1	U	V	SW70349WC	1	U	V		

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J = Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Filtered Metals CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION		
BERYLLIUM (Filtered) (CRDL = 5)													
	02/24/93	SW70353WC	1	U	V	SW70352WC	1	U	V				
	03/12/93					SW70001JE	9	U	V				
	03/23/93	SW70005JE	1	U		SW70004JE	1	U					
	04/07/93	SW70010JE	1 6		JA	SW70009JE	1 5		JA				
	04/22/93	SW70013JE	1	U	V	SW70012JE	1	U	V				
	05/05/93	SW70022JE	8	U	V	SW70020JE	8	U	V				
	05/19/93	SW70029JE	8	U	V	SW70028JE	1		JA				
	06/02/93	SW70047JE	8	U	V	SW70046JE	8	U	V				
	06/16/93	SW70051JE	8	U		SW70050JE	8	U					
	06/30/93	SW70076JE	7	U		SW70075JE	7	U					
	07/14/93	SW70080JE	7	U		SW70079JE	7	U					
	07/28/93	SW70093JE	7	U		SW70092JE	7	U					
	08/11/93	SW00103JE	0 70	U		SW00102JE	0 70	U					
	08/27/93	SW00106JE	1	U		SW00105JE	1	U					
	09/07/93									SW00107JE	1	U	
	09/08/93	SW00110JE	1	U		SW00109JE	1	U		SW00108JE	1	U	
	09/09/93									SW00111JE	1 00	U	V
	09/10/93									SW00112JE	1 00	U	V
	09/11/93									SW00113JE	1 00	U	V
	09/12/93									SW00114JE	1 00	U	V
	09/13/93									SW00115JE	1 00	U	V
	09/14/93									SW00116JE	1 00	U	
	09/15/93									SW00117JE	1 00	U	
	09/16/93									SW00118JE	1 00	U	
	09/17/93									SW00119JE	1 00	U	

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S = Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J = Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Filtered Metals CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	
BERYLLIUM (Filtered) (CRDL 5)												
	09/18/93									SW00120JE	1 00	U
	09/19/93									SW00121JE	1 00	U
	09/20/93									SW00122JE	1 00	U
	09/21/93	SW00125JE	1 00	U		SW00124JE	1 00	U				
	09/28/93	SW00128JE	1 00	U		SW00127JE	1 00	U				
CADMIUM (Filtered) (CRDL 5)	05/08/91	SW01161WC	2	U	V	SW01163WC	3 3	U	JA			
	06/20/91	SW01264WC	1	U	V	SW01266WC	1	U	JA			
	08/07/91	SW01473WC	2	U	V	SW01475WC	4 6	U	V			
	09/17/91	SW01579WC	2 4	U	V	SW01581WC	2 4	U	V			
	10/17/91					SW01687WC	2 4	U	V			
	10/21/91	SW01685WC	2 4	U	V							
	01/27/92	SW01807WC	2 8	U	V	SW01809WC	2 8	U	V			
	04/06/92	SW70259WC	2	U	V	SW70260WC	2 3	U	JA			
	04/22/92	SW70266WC	2 3	U	V	SW70267WC	2 3	U	V			
	04/27/92	SW01889WC	2 3	U	V	SW01891WC	2 3	U	V			
	05/06/92	SW70271WC	2	U	JA	SW70272WC	2 3	U	V			
	05/20/92	SW70285WC	2 3	U	V	SW70286WC	2 3	U	V			
	06/04/92	SW70290WC	2	U	V	SW70291WC	2	U	V			
	06/17/92	SW70293WC	3 7		JA	SW70294WC	2 3	U	V			
	07/02/92	SW70296WC	4 4	U	V	SW70297WC	4 4	U	V			
	07/15/92					SW70300WC	4 4	U	JA			
	07/29/92	SW70302WC	1 4	U	V	SW70303WC	1 4	U	V			
	08/12/92	SW70305WC	2	U	V	SW70306WC	3 1	U	V			
	08/20/92	SW02012WC	3 1	U	V	SW02013WC	3 1	U	V			
	08/26/92	SW70310WC	1 4	U	V	SW70309WC	1 4	U	V			

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W = Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A = Acceptable R Rejected J = Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Filtered Metals CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION
CADMIUM (Filtered) (CRDL 5)											
	09/08/92	SW70314WC	1 5	U	V	SW70313WC	1 5	U	V		
	09/22/92	SW70315WC	1 5	U	JA	SW70316WC	1 5	U	JA		
	10/07/92	SW70321WC	1 5	U	V	SW70320WC	1 5	U	V		
	10/21/92	SW70324WC	1 5	U	JA	SW70323WC	1 5	U	JA		
	11/06/92					SW70326WC	2 1		JA		
	11/17/92					SW70329WC	1 5	U	V		
	12/03/92					SW70332WC	1 6		V		
	01/06/93					SW70340WC	1 6	U	V		
	01/13/93	SW70344WC	2	U	V	SW70343WC	2	U	V		
	01/27/93	SW70347WC	2 7	U	V	SW70346WC	2 7	U	V		
	02/09/93	SW70350WC	2	U	V	SW70349WC	2	U	V		
	02/24/93	SW70353WC	2	U	JA	SW70352WC	2	U	JA		
	03/12/93					SW70001JE	2 7	U	V		
	03/23/93	SW70005JE	2	U		SW70004JE	2	U			
	04/07/93	SW70010JE	2 9	U	V	SW70009JE	2 9	U	V		
	04/22/93	SW70013JE	3	U	V	SW70012JE	3	U	V		
	05/05/93	SW70022JE	2 9	U	V	SW70020JE	2 9	U	V		
	05/19/93	SW70029JE	2 9	U	V	SW70028JE	2 9	U	V		
	06/02/93	SW70047JE	2 9	U	V	SW70046JE	2 9	U	V		
	06/16/93	SW70051JE	3			SW70050JE	2 9	U			
	06/30/93	SW70076JE	2 8	U		SW70075JE	2 8	U			
	07/14/93	SW70080JE	2 8	U		SW70079JE	2 8	U			
	07/28/93	SW70093JE	2 8	U		SW70092JE	2 8	U			
	08/11/93	SW00103JE	2 8	U		SW00102JE	3 5				
	08/27/93	SW00106JE	4	U		SW00105JE	4	U			

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Filtered Metals CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION		
CADMIUM (Filtered) (CRDL 5)													
	09/07/93									SW00107JE	4	U	
	09/08/93	SW00110JE	4	U		SW00109JE	4	U		SW00108JE	4	U	
	09/09/93									SW00111JE	4 00	U	V
	09/10/93									SW00112JE	4 00	U	V
	09/11/93									SW00113JE	4 00	U	V
	09/12/93									SW00114JE	4 00	U	V
	09/13/93									SW00115JE	4 00	U	V
	09/14/93									SW00116JE	4 00	U	
	09/15/93									SW00117JE	4 00	U	
	09/16/93									SW00118JE	4 00	U	
	09/17/93									SW00119JE	4 00	U	
	09/18/93									SW00120JE	4 00	U	
	09/19/93									SW00121JE	4 00	U	
	09/20/93									SW00122JE	4 00	U	
	09/21/93	SW00125JE	4 00	U		SW00124JE	4 00	U					
	09/28/93	SW00128JE	4 00	U		SW00127JE	4 00	U					
CALCIUM (Filtered) (CRDL 5000)	05/08/91	SW01161WC	91800		V	SW01163WC	78400		V				
	06/20/91	SW01264WC	120000		V	SW01266WC	100000		V				
	08/07/91	SW01473WC	52000		V	SW01475WC	65600		V				
	09/17/91	SW01579WC	108000		V	SW01581WC	81000		V				
	10/17/91					SW01687WC	74800		V				
	10/21/91	SW01685WC	109000		V								
	01/27/92	SW01807WC	112000		V	SW01809WC	93000		V				
	04/06/92	SW70259WC	125000		V	SW70260WC	91100		V				
	04/22/92	SW70266WC	115000		V	SW70267WC	91900		V				

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits * duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program, EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Filtered Metals CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION		STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION		STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION
CALCIUM (Filtered) (CRDL 5000)									
	04/27/92	SW01889WC	119000	V	SW01891WC	95600	V		
	05/06/92	SW70271WC	112000	V	SW70272WC	101000	V		
	05/20/92	SW70285WC	118000	V	SW70286WC	88900	V		
	06/04/92	SW70290WC	112000	V	SW70291WC	84900	V		
	06/17/92	SW70293WC	105000	V	SW70294WC	89400	V		
	07/02/92	SW70296WC	138000	V	SW70297WC	103000	V		
	07/15/92				SW70300WC	108000	V		
	07/29/92	SW70302WC	125000	V	SW70303WC	88800	V		
	08/12/92	SW70305WC	121000	V	SW70306WC	79900	V		
	08/20/92	SW02012WC	105000	V	SW02013WC	64400	V		
	08/26/92	SW70310WC	57100	V	SW70309WC	69300	V		
	09/08/92	SW70314WC	115000	V	SW70313WC	85000	V		
	09/22/92	SW70315WC	109000	JA	SW70316WC	80300	JA		
	10/07/92	SW70321WC	77800	V	SW70320WC	105000	V		
	10/21/92	SW70324WC	108000	JA	SW70323WC	52900	JA		
	11/06/92				SW70326WC	85800	JA		
	11/17/92				SW70329WC	71800	V		
	12/03/92				SW70332WC	82600	V		
	01/06/93				SW70340WC	91000	V		
	01/13/93	SW70344WC	103000	V	SW70343WC	101000	V		
	01/27/93	SW70347WC	113000	V	SW70346WC	78700	V		
	02/09/93	SW70350WC	116000	V	SW70349WC	59500	V		
	02/24/93	SW70353WC	109000	V	SW70352WC	92600	V		
	03/12/93				SW70001JE	53700	V		
	03/23/93	SW70005JE	114000		SW70004JE	93600			

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Filtered Metals CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION		STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION		STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	
CALCIUM (Filtered) (CRDL = 5000)										
	04/07/93	SW70010JE	91400	V	SW70009JE	70400	V			
	04/22/93	SW70013JE	109000	V	SW70012JE	92000	V			
	05/05/93	SW70022JE	109000	V	SW70020JE	94500	V			
	05/19/93	SW70029JE	65500	V	SW70028JE	89500	V			
	06/02/93	SW70047JE	93000	V	SW70046JE	84700	V			
	06/16/93	SW70051JE	113000		SW70050JE	89400				
	06/30/93	SW70076JE	111000		SW70075JE	80600				
	07/14/93	SW70080JE	107000		SW70079JE	42700				
	07/28/93	SW70093JE	101000		SW70092JE	73600				
	08/11/93	SW00103JE	97100		SW00102JE	72100				
	08/27/93	SW00106JE	103000		SW00105JE	66800				
	09/07/93							SW00107JE	52900	
	09/08/93	SW00110JE	97400		SW00109JE	67500		SW00108JE	65200	
	09/09/93							SW00111JE	79700 00	V
	09/10/93							SW00112JE	82100 00	V
	09/11/93							SW00113JE	82600 00	V
	09/12/93							SW00114JE	85000 00	V
	09/13/93							SW00115JE	12200 00	V
	09/14/93							SW00116JE	61600 00	
	09/15/93							SW00117JE	76900 00	
	09/16/93							SW00118JE	85300 00	
	09/17/93							SW00119JE	86800 00	
	09/18/93							SW00120JE	45000 00	
	09/19/93							SW00121JE	70000 00	
	09/20/93							SW00122JE	81300 00	

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Filtered Metals CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION
CALCIUM (Filtered) (CRDL 5000)											
	09/21/93	SW00125JE	80700 00			SW00124JE	88400 00				
	09/28/93	SW00128JE	111000 00			SW00127JE	78600 00				
CESIUM (Filtered) (CRDL 1000)	05/08/91	SW01161WC	110	U	V	SW01163WC	500	U	V		
	06/20/91	SW01264WC	50	U	V	SW01266WC	50		V		
	08/07/91	SW01473WC	50	U	V	SW01475WC	500	U	V		
	09/17/91	SW01579WC	500	U	V	SW01581WC	500	U	V		
	10/17/91					SW01687WC	500	U	V		
	10/21/91	SW01685WC	500	U	V						
	01/27/92	SW01807WC	500	U	V	SW01809WC	500	U	V		
	04/06/92	SW70259WC	20	U	R	SW70260WC	500	U	V		
	04/22/92	SW70266WC	500	U	V	SW70267WC	500	U	V		
	04/27/92	SW01889WC	500	U	V	SW01891WC	500	U	V		
	05/06/92	SW70271WC	23	U	JA	SW70272WC	500	U	V		
	05/20/92	SW70285WC	500	U	V	SW70286WC	500	U	V		
	06/04/92	SW70290WC	23	U	V	SW70291WC	23	U	V		
	06/17/92	SW70293WC	500	U	V	SW70294WC	500	U	V		
	07/02/92	SW70296WC	2	U	V	SW70297WC	2	U	V		
	07/15/92					SW70300WC	2	U	V		
	07/29/92	SW70302WC	50	U	V	SW70303WC	50	U	V		
	08/12/92	SW70305WC	617	U	V	SW70306WC	500	U	V		
	08/20/92	SW02012WC	500	U	V	SW02013WC	500	U	V		
	08/26/92	SW70310WC	80		V	SW70309WC	50	U	V		
	09/08/92	SW70314WC	50	U	V	SW70313WC	50	U	V		
	09/22/92	SW70315WC	50	U	JA	SW70316WC	50	U	JA		
	10/07/92	SW70321WC	50	U	V	SW70320WC	50	U	V		

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Filtered Metals CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION		
CESIUM (Filtered) (CRDL 1000)													
	10/21/92	SW70324WC	50	U	JA	SW70323WC	50	U	JA				
	11/06/92					SW70326WC	50	U	JA				
	11/17/92					SW70329WC	50	U	JA				
	12/03/92					SW70332WC	50	U	JA				
	01/06/93					SW70340WC	60		V				
	01/13/93	SW70344WC	25	U	R	SW70343WC	25	U	R				
	01/27/93	SW70347WC	500	U	V	SW70346WC	500	U	V				
	02/09/93	SW70350WC	25	U	R	SW70349WC	25	U	R				
	02/24/93	SW70353WC	25	U	V	SW70352WC	25	U	V				
	03/12/93					SW70001JE	500	U	V				
	03/23/93	SW70005JE	25	U		SW70004JE	110	B					
	04/07/93	SW70010JE	500	U	V	SW70009JE	500	U	V				
	04/22/93	SW70013JE	80	U	JA	SW70012JE	70	U	JA				
	05/05/93	SW70022JE	500	U	V	SW70020JE	500	U	V				
	05/19/93	SW70029JE	500	U	V	SW70028JE	500	U	V				
	06/02/93	SW70047JE	500	U	V	SW70046JE	500	U	V				
	06/16/93	SW70051JE	500	U		SW70050JE	500	U					
	06/30/93	SW70076JE	500	U		SW70075JE	500	U					
	07/14/93	SW70080JE	500	U		SW70079JE	500	U					
	07/28/93	SW70093JE	500	U		SW70092JE	500	U					
	08/11/93	SW00103JE	500	U		SW00102JE	500	U					
	08/27/93	SW00106JE	29	U		SW00105JE	29	U					
	09/07/93									SW00107JE	29	U	
	09/08/93	SW00110JE	29	U		SW00109JE	29	U		SW00108JE	29	U	
	09/09/93									SW00111JE	29 00	U	V

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits * duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Filtered Metals CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION		
CESIUM (Filtered) (CRDL 1000)													
	09/10/93									SW00112JE	29 00	U	V
	09/11/93									SW00113JE	29 00	U	V
	09/12/93									SW00114JE	29 00	U	V
	09/13/93									SW00115JE	29 00	U	V
	09/14/93									SW00116JE	29 00	U	
	09/15/93									SW00117JE	29 00	U	
	09/16/93									SW00118JE	40 00	B	
	09/17/93									SW00119JE	60 00	B	
	09/18/93									SW00120JE	60 00	B	
	09/19/93									SW00121JE	50 00	B	
	09/20/93									SW00122JE	70 00	B	
	09/21/93	SW00125JE	29 00	U		SW00124JE	29 00	U					
	09/28/93	SW00128JE	29 00	U		SW00127JE	29 00	U					
CHROMIUM (Filtered) (CRDL 10)	05/08/91	SW01161WC	6 3	B	JA	SW01163WC	4 1	U	V				
	06/20/91	SW01264WC	2	U	JA	SW01266WC	2	U	JA				
	08/07/91	SW01473WC	2	U	V	SW01475WC	5 5	U	V				
	09/17/91	SW01579WC	2 6	U	V	SW01581WC	2 6	U	JA				
	10/17/91					SW01687WC	2 6	U	V				
	10/21/91	SW01685WC	2 6	U	V								
	01/27/92	SW01807WC	5 7	U	V	SW01809WC	5 7	U	V				
	04/06/92	SW70259WC	5	U	V	SW70260WC	2	U	V				
	04/22/92	SW70266WC	2	U	V	SW70267WC	2	U	V				
	04/27/92	SW01889WC	2	U	V	SW01891WC	2	U	V				
	05/06/92	SW70271WC	6 2	B	JA	SW70272WC	2	U	V				
	05/20/92	SW70285WC	2	U	V	SW70286WC	2	U	V				

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits * duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES: Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Filtered Metals CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION
CHROMIUM (Filtered) (CRDL 10)											
	06/04/92	SW70290WC	5	U	V	SW70291WC	5	U	V		
	06/17/92	SW70293WC	2	U	V	SW70294WC	2	U	V		
	07/02/92	SW70296WC	4 9	U	V	SW70297WC	4 9	U	V		
	07/15/92					SW70300WC	5 9	B	JA		
	07/29/92	SW70302WC	3 7	U	V	SW70303WC	3 7	U	V		
	08/12/92	SW70305WC	5	U	V	SW70306WC	3 1	U	V		
	08/20/92	SW02012WC	3 1	U	V	SW02013WC	3 1	U	V		
	08/26/92	SW70310WC	3 7	U	V	SW70309WC	3 7	U	V		
	09/08/92	SW70314WC	2 6	U	JA	SW70313WC	2 6	U	JA		
	09/22/92	SW70315WC	3 5		JA	SW70316WC	3 8		JA		
	10/07/92	SW70321WC	2 6	U	V	SW70320WC	2 6	U	V		
	10/21/92	SW70324WC	2 6	U	JA	SW70323WC	2 6	U	JA		
	11/06/92					SW70326WC	3 2		JA		
	11/17/92					SW70329WC	2 6	U	V		
	12/03/92					SW70332WC	2 6	U	V		
	01/06/93					SW70340WC	2 7	U	V		
	01/13/93	SW70344WC	4	B	V	SW70343WC	2	U	V		
	01/27/93	SW70347WC	2 6	U	V	SW70346WC	2 6	U	V		
	02/09/93	SW70350WC	2	U	V	SW70349WC	3 3	U	JA		
	02/24/93	SW70353WC	2	U	V	SW70352WC	2	U	V		
	03/12/93					SW70001JE	2 7		JA		
	03/23/93	SW70005JE	2	U		SW70004JE	2	U			
	04/07/93	SW70010JE	4 6	U	V	SW70009JE	4 6	U	V		
	04/22/93	SW70013JE	4	U	V	SW70012JE	4	U	V		
	05/05/93	SW70022JE	4 6	U	V	SW70020JE	4 6	U	V		

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S = Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A = Acceptable R Rejected J Associated numerical value is an estimated value
*CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Filtered Metals CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION		
CHROMIUM (Filtered) (CRDL 10)													
	05/19/93	SW70029JE	4 6	U	V	SW70028JE	4 6	U	V				
	06/02/93	SW70047JE	4 6	U	V	SW70046JE	4 6	U	V				
	06/16/93	SW70051JE	4 6	U		SW70050JE	4 6	U					
	06/30/93	SW70076JE	2 6	U		SW70075JE	2 6	U					
	07/14/93	SW70080JE	2 7			SW70079JE	2 6	U					
	07/28/93	SW70093JE	2 6	U		SW70092JE	2 6	U					
	08/11/93	SW00103JE	2 6	U		SW00102JE	2 6	U					
	08/27/93	SW00106JE	3	U		SW00105JE	3	U					
	09/07/93									SW00107JE	3	U	
	09/08/93	SW00110JE	4 8	B		SW00109JE	3	U		SW00108JE	3	U	
	09/09/93									SW00111JE	3 00	U	V
	09/10/93									SW00112JE	3 00	U	V
	09/11/93									SW00113JE	3 00	U	V
	09/12/93									SW00114JE	3 00	U	V
	09/13/93									SW00115JE	3 00	U	V
	09/14/93									SW00116JE	3 00	U	
	09/15/93									SW00117JE	3 00	U	
	09/16/93									SW00118JE	3 00	U	
	09/17/93									SW00119JE	3 00	U	
	09/18/93									SW00120JE	3 00	U	
	09/19/93									SW00121JE	3 00	U	
	09/20/93									SW00122JE	3 00	U	
	09/21/93	SW00125JE	3 00	U		SW00124JE	3 00	U					
	09/28/93	SW00128JE	3 00	U		SW00127JE	3 00	U					
COBALT (Filtered) (CRDL 50)	05/08/91	SW01161WC	3	U	V	SW01163WC	3 6	U	V				

QUALIFIER CODES U = Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits * duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES: V Valid A = Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Filtered Metals CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION
COBALT (Filtered) (CRDL 50)											
	06/20/91	SW01264WC	2	U	V	SW01266WC	2	U	V		
	08/07/91	SW01473WC	2	U	V	SW01475WC	7 3	U	V		
	09/17/91	SW01579WC	2 8		JA	SW01581WC	2 8	U	V		
	10/17/91					SW01687WC	2 8	U	V		
	10/21/91	SW01685WC	2 8	U	V						
	01/27/92	SW01807WC	3 4	U	V	SW01809WC	3 4	U	V		
	04/06/92	SW70259WC	4	U	V	SW70260WC	2 7	U	V		
	04/22/92	SW70266WC	2 7	U	V	SW70267WC	2 7	U	V		
	04/27/92	SW01889WC	2 9		JA	SW01891WC	2 7	U	V		
	05/06/92	SW70271WC	4	U	V	SW70272WC	2 7	U	V		
	05/20/92	SW70285WC	2 7	U	V	SW70286WC	2 7	U	V		
	06/04/92	SW70290WC	4	U	V	SW70291WC	4	U	V		
	06/17/92	SW70293WC	2 7	U	V	SW70294WC	2 7	U	V		
	07/02/92	SW70296WC	6 5	U	V	SW70297WC	6 5	U	V		
	07/15/92					SW70300WC	6 5	U	V		
	07/29/92	SW70302WC	2 3	U	V	SW70303WC	2 3	U	V		
	08/12/92	SW70305WC	4	U	V	SW70306WC	2 2	U	V		
	08/20/92	SW02012WC	2 2	U	V	SW02013WC	3 2		JA		
	08/26/92	SW70310WC	2 3	U	V	SW70309WC	2 3	U	V		
	09/08/92	SW70314WC	1 3	U	V	SW70313WC	1 3	U	V		
	09/22/92	SW70315WC	1 3	U	JA	SW70316WC	1 6		JA		
	10/07/92	SW70321WC	1 5		V	SW70320WC	1 3	U	V		
	10/21/92	SW70324WC	1 3	U	JA	SW70323WC	1 3	U	JA		
	11/06/92					SW70326WC	1 3	U	JA		
	11/17/92					SW70329WC	3 2		JA		

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program, EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Filtered Metals CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION		
COBALT (Filtered) (CRDL 50)													
	12/03/92					SW70332WC	1 3	U	V				
	01/06/93					SW70340WC	2 5	U	V				
	01/13/93	SW70344WC	3	U	V	SW70343WC	3	U	V				
	01/27/93	SW70347WC	2 6	U	V	SW70346WC	2 6	U	V				
	02/09/93	SW70350WC	3 4	U	JA	SW70349WC	3 2	U	JA				
	02/24/93	SW70353WC	3	U	V	SW70352WC	3	U	V				
	03/12/93					SW70001JE	2 6	U	V				
	03/23/93	SW70005JE	3	U		SW70004JE	3	U					
	04/07/93	SW70010JE	4 9	U	V	SW70009JE	4 9	U	V				
	04/22/93	SW70013JE	3	U	V	SW70012JE	3 1	B	V				
	05/05/93	SW70022JE	4 9	U	V	SW70020JE	4 9	U	V				
	05/19/93	SW70029JE	4 9	U	V	SW70028JE	4 9	U	V				
	06/02/93	SW70047JE	4 9	U	V	SW70046JE	4 9	U	V				
	06/16/93	SW70051JE	4 9	U		SW70050JE	4 9	U					
	06/30/93	SW70076JE	2 6	U		SW70075JE	2 6	U					
	07/14/93	SW70080JE	2 6	U		SW70079JE	2 6	U					
	07/28/93	SW70093JE	2 6	U		SW70092JE	2 6	U					
	08/11/93	SW00103JE	2 6	U		SW00102JE	2 6	U					
	08/27/93	SW00106JE	4	U		SW00105JE	4	U					
	09/07/93									SW00107JE	4	U	
	09/08/93	SW00110JE	4	U		SW00109JE	4	U		SW00108JE	4	U	
	09/09/93									SW00111JE	4 00	U	V
	09/10/93									SW00112JE	4 00	U	V
	09/11/93									SW00113JE	4 00	U	V
	09/12/93									SW00114JE	4 00	U	V

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value
*CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Filtered Metals CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION		
COBALT (Filtered) (CRDL 50)													
	09/13/93									SW00115JE	4 00	U	V
	09/14/93									SW00116JE	4 00	U	
	09/15/93									SW00117JE	4 00	U	
	09/16/93									SW00118JE	4 00	U	
	09/17/93									SW00119JE	4 00	U	
	09/18/93									SW00120JE	4 00	U	
	09/19/93									SW00121JE	4 00	U	
	09/20/93									SW00122JE	4 00	U	
	09/21/93	SW00125JE	4 00	U		SW00124JE	4 00	U					
	09/28/93	SW00128JE	4 00	U		SW00127JE	4 00	U					
COPPER (Filtered) (CRDL 25)	05/08/91	SW01161WC	11	U	V	SW01163WC	4 7	U	V				
	06/20/91	SW01264WC	8 3		JA	SW01266WC	3	U	V				
	08/07/91	SW01473WC	3	U	V	SW01475WC	5 4	U	V				
	09/17/91	SW01579WC	4 2		JA	SW01581WC	2 1	U	V				
	10/17/91					SW01687WC	3 3		V				
	10/21/91	SW01685WC	2 1	U	V								
	01/27/92	SW01807WC	2 5	U	V	SW01809WC	2 5	U	V				
	04/06/92	SW70259WC	2 6	U	JA	SW70260WC	2 3	U	V				
	04/22/92	SW70266WC	4 5		JA	SW70267WC	3 3		JA				
	04/27/92	SW01889WC	5 6		JA	SW01891WC	3 7		JA				
	05/06/92	SW70271WC	2	U	V	SW70272WC	2 3	U	V				
	05/20/92	SW70285WC	2 3	U	V	SW70286WC	2 3	U	V				
	06/04/92	SW70290WC	2 1	U	JA	SW70291WC	2	U	V				
	06/17/92	SW70293WC	3 7		JA	SW70294WC	2 3	U	V				
	07/02/92	SW70296WC	2 7	U	V	SW70297WC	2 7	U	V				

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits = duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES = Missing
VALIDATION CODES V Valid A Acceptable R = Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program, EG&G Rocky Flats, February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Filtered Metals CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION
COPPER (Filtered) (CRDL 25)											
	07/15/92					SW70300WC	2 7	U	V		
	07/29/92	SW70302WC	2 4	U	V	SW70303WC	5		V		
	08/12/92	SW70305WC	2	U	V	SW70306WC	2 9		JA		
	08/20/92	SW02012WC	2 1	U	V	SW02013WC	3 3		JA		
	08/26/92	SW70310WC	2 4	U	V	SW70309WC	2 4	U	V		
	09/08/92	SW70314WC	1 9	U	V	SW70313WC	1 9	U	JA		
	09/22/92	SW70315WC	1 9	U	R	SW70316WC	1 9	U	R		
	10/07/92	SW70321WC	1 9	U	R	SW70320WC	1 9	U	JA		
	10/21/92	SW70324WC	1 9	U	JA	SW70323WC	2 6		JA		
	11/06/92					SW70326WC	1 9	U	JA		
	11/17/92					SW70329WC	3 6		JA		
	12/03/92					SW70332WC	1 9	U	R		
	01/06/93					SW70340WC	2 9	U	V		
	01/13/93	SW70344WC	5 8	B	V	SW70343WC	2	U	V		
	01/27/93	SW70347WC	3 2		JA	SW70346WC	3 5		JA		
	02/09/93	SW70350WC	2	U	JA	SW70349WC	2	U	V		
	02/24/93	SW70353WC	2	U	V	SW70352WC	2	U	V		
	03/12/93					SW70001JE	2 9	U	V		
	03/23/93	SW70005JE	2	U		SW70004JE	2	U			
	04/07/93	SW70010JE	2 7	U	V	SW70009JE	3 0		JA		
	04/22/93	SW70013JE	2	U	JA	SW70012JE	2	U	JA		
	05/05/93	SW70022JE	3 7		JA	SW70020JE	3 6		JA		
	05/19/93	SW70029JE	2 7	U	V	SW70028JE	2 7		JA		
	06/02/93	SW70047JE	2 7	U	V	SW70046JE	2 7	U	V		
	06/16/93	SW70051JE	2 7	U		SW70050JE	2 7	U			

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Filtered Metals CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION		
COPPER (Filtered) (CRDL 25)													
	06/30/93	SW70076JE	12 9	U		SW70075JE	12 9	U					
	07/14/93	SW70080JE	12 9	U		SW70079JE	12 9	U					
	07/28/93	SW70093JE	12 9	U		SW70092JE	12 9	U					
	08/11/93	SW00103JE	12 9	U		SW00102JE	12 9	U					
	08/27/93	SW00106JE	2 4	B		SW00105JE	2	U					
	09/07/93									SW00107JE	10 7	B	
	09/08/93	SW00110JE	2	U		SW00109JE	2	U		SW00108JE	2	U	
	09/09/93									SW00111JE	2 60	B	V
	09/10/93									SW00112JE	2 00	U	V
	09/11/93									SW00113JE	3 20	B	V
	09/12/93									SW00114JE	2 30	B	V
	09/13/93									SW00115JE	3 50	B	V
	09/14/93									SW00116JE	2 30	B	
	09/15/93									SW00117JE	4 00	B	
	09/16/93									SW00118JE	3 20	B	
	09/17/93									SW00119JE	2 30	B	
	09/18/93									SW00120JE	4 90	B	
	09/19/93									SW00121JE	2 30	B	
	09/20/93									SW00122JE	3 50	B	
	09/21/93	SW00125JE	3 30	B		SW00124JE	2 00	U					
	09/28/93	SW00128JE	3 00	B		SW00127JE	4 50	B					
IRON (Filtered) (CRDL 100)	05/08/91	SW01161WC	12	U	JA	SW01163WC	33 7		JA				
	06/20/91	SW01264WC	7	U	R	SW01266WC	7	U	R				
	08/07/91	SW01473WC	7	U	JA	SW01475WC	27 4		JA				
	09/17/91	SW01579WC	23 1		JA	SW01581WC	17 2		V				

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats, February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Filtered Metals CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION
IRON (Filtered) (CRDL 100)											
	10/17/91					SW01687WC	16 7	U	V		
	10/21/91	SW01685WC	21 8		JA						
	01/27/92	SW01807WC	22 6	U	V	SW01809WC	22 6	U	V		
	04/06/92	SW70259WC	2	UE	V	SW70260WC	36 2		JA		
	04/22/92	SW70266WC	18 4	U	V	SW70267WC	18 4	U	V		
	04/27/92	SW01889WC	83 4		JA	SW01891WC	18 4	U	JA		
	05/06/92	SW70271WC	27 8	U	JA	SW70272WC	18 4	U	V		
	05/20/92	SW70285WC	18 4	U	V	SW70286WC	18 4	U	V		
	06/04/92	SW70290WC	18 6	U	JA	SW70291WC	6 2	U	JA		
	06/17/92	SW70293WC	18 4	U	V	SW70294WC	18 4	U	V		
	07/02/92	SW70296WC	31 3	U	V	SW70297WC	33 1	U	JA		
	07/15/92					SW70300WC	56 3	U	JA		
	07/29/92	SW70302WC	16 3	U	JA	SW70303WC	47 3		JA		
	08/12/92	SW70305WC	5	U	V	SW70306WC	13 6		JA		
	08/20/92	SW02012WC	9 1		JA	SW02013WC	98 7		JA		
	08/26/92	SW70310WC	16 3	U	V	SW70309WC	16 3	U	V		
	09/08/92	SW70314WC	6 4	U	JA	SW70313WC	11	U	JA		
	09/22/92	SW70315WC	178		JA	SW70316WC	29 6		JA		
	10/07/92	SW70321WC	76 6		JA	SW70320WC	76 7		JA		
	10/21/92	SW70324WC	9		JA	SW70323WC	36 4		JA		
	11/06/92					SW70326WC	6 8		JA		
	11/17/92					SW70329WC	87 8		V		
	12/03/92					SW70332WC	28 6		JA		
	01/06/93					SW70340WC	29 6		JA		
	01/13/93	SW70344WC	1550		V	SW70343WC	588		V		

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits = duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES: V Valid A Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Filtered Metals CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION		
IRON (Filtered) (CRDL 100)													
	01/27/93	SW70347WC	7 5	U	JA	SW70346WC	18 2		JA				
	02/09/93	SW70350WC	12 7	U	JA	SW70349WC	54 1	B	JA				
	02/24/93	SW70353WC	7 2	U	JA	SW70352WC	25 7	U	JA				
	03/12/93					SW70001JE	28 4		JA				
	03/23/93	SW70005JE	21	B		SW70004JE	11 6	B					
	04/07/93	SW70010JE	7 3	U	V	SW70009JE	18 9		JA				
	04/22/93	SW70013JE	14	U	JA	SW70012JE	51 7	U	JA				
	05/05/93	SW70022JE	13 3		JA	SW70020JE	14		JA				
	05/19/93	SW70029JE	13		JA	SW70028JE	22 9		JA				
	06/02/93	SW70047JE	18 4		JA	SW70046JE	14 7		JA				
	06/16/93	SW70051JE	7 3	U		SW70050JE	15 7						
	06/30/93	SW70076JE	23 2	U		SW70075JE	23 2	U					
	07/14/93	SW70080JE	23 2	U		SW70079JE	72 5						
	07/28/93	SW70093JE	23 2	U		SW70092JE	89 3						
	08/11/93	SW00103JE	23 2	U		SW00102JE	23 2	U					
	08/27/93	SW00106JE	7	U		SW00105JE	12 8	B					
	09/07/93									SW00107JE	21 3	B	
	09/08/93	SW00110JE	7	U		SW00109JE	40 5	B		SW00108JE	33 7	B	
	09/09/93									SW00111JE	38 70	BN	JA
	09/10/93									SW00112JE	7 00	UN	V
	09/11/93									SW00113JE	7 00	UN	R
	09/12/93									SW00114JE	7 00	UN	JA
	09/13/93									SW00115JE	68 20	BN	JA
	09/14/93									SW00116JE	162 00		
	09/15/93									SW00117JE	7 00	U	

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W = Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES. V Valid. A = Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Filtered Metals CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	
IRON (Filtered) (CRDL 100)												
	09/16/93									SW00118JE	7 00	U
	09/17/93									SW00119JE	10 90	B
	09/18/93									SW00120JE	40 50	B
	09/19/93									SW00121JE	7 00	U
	09/20/93									SW00122JE	7 00	U
	09/21/93	SW00125JE	15 90	B		SW00124JE	17 60	B				
	09/28/93	SW00128JE	8 60	B		SW00127JE	39 60	B				
LEAD (Filtered) (CRDL 5)	05/08/91	SW01161WC	1	U	V	SW01163WC	1 4	U	V			
	06/20/91	SW01264WC	2		JA	SW01266WC	20		JA			
	08/07/91	SW01473WC	1	U	JA	SW01475WC	3 1		JA			
	09/17/91	SW01579WC	9	U	V	SW01581WC	9	U	V			
	10/17/91					SW01687WC	9		JA			
	10/21/91	SW01685WC	1		JA							
	01/27/92	SW01807WC	2 7		JA	SW01809WC	1 4		JA			
	04/06/92	SW70259WC	1	U	JA	SW70260WC	7	U	V			
	04/22/92	SW70266WC	8	U	JA	SW70267WC	8	U	JA			
	04/27/92	SW01889WC	8	U	V	SW01891WC	8	U	V			
	05/06/92	SW70271WC	1	U	V	SW70272WC	7	U	R			
	05/20/92	SW70285WC	7	U	JA	SW70286WC	7	U	JA			
	06/04/92	SW70290WC	1	U	V	SW70291WC	1	U	V			
	06/17/92	SW70293WC	1 6	U	V	SW70294WC	1 6	U	V			
	07/02/92	SW70296WC	7 7		V	SW70297WC	1 3	B	V			
	07/15/92					SW70300WC	1 8	B	JA			
	07/29/92	SW70302WC	2 5		V	SW70303WC	1 7		V			
	08/12/92	SW70305WC	1	U	JA	SW70306WC	8		JA			

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES. V Valid A = Acceptable R Rejected J Associated numerical value is an estimated value
*CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Filtered Metals CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION
LEAD (Filtered) (CRDL 5)											
	08/20/92	SW02012WC	8	U	V	SW02013WC	8	U	JA		
	08/26/92	SW70310WC	5 3		V	SW70309WC	2	W	JA		
	09/08/92	SW70314WC	2	U	V	SW70313WC	2	U	V		
	09/22/92	SW70315WC	2	U	JA	SW70316WC	2	UW	JA		
	10/07/92	SW70321WC	2 2		V	SW70320WC	2 6		V		
	10/21/92	SW70324WC	4 3		JA	SW70323WC	4		JA		
	11/06/92					SW70326WC	3 6		JA		
	11/17/92					SW70329WC	4 2		JA		
	12/03/92					SW70332WC	1 7		JA		
	01/06/93					SW70340WC	1 2	U	V		
	01/13/93	SW70344WC	2	B	V	SW70343WC	1	U	V		
	01/27/93	SW70347WC	9	U	V	SW70346WC	9	U	JA		
	02/09/93	SW70350WC	1	UW	V	SW70349WC	1	U	V		
	02/24/93	SW70353WC	1	U	V	SW70352WC	1	U	V		
	03/12/93					SW70001JE	1	U	JA		
	03/23/93	SW70005JE	1	UW		SW70004JE	1	U			
	04/07/93	SW70010JE	1 1	U	JA	SW70009JE	1 1	U	JA		
	04/22/93	SW70013JE	1	U	V	SW70012JE	1	U	V		
	05/05/93	SW70022JE	1 1	U	V	SW70020JE	2 9		JA		
	05/19/93	SW70029JE	4		JA	SW70028JE	1 1	U	V		
	06/02/93	SW70047JE	1 1	U	JA	SW70046JE	1 1	U	JA		
	06/16/93	SW70051JE	1 4	U		SW70050JE	2 2				
	06/30/93	SW70076JE	9			SW70075JE	1 7				
	07/14/93	SW70080JE	9			SW70079JE	9	U			
	07/28/93	SW70093JE	8	U		SW70092JE	2 7				

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits * duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V = Valid A Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program, EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Filtered Metals CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION		
LEAD (Filtered) (CRDL 5)													
	08/11/93	SW00103JE	1 4	U		SW00102JE	1 4	U					
	08/27/93	SW00106JE	1	U		SW00105JE	1	U					
	09/07/93									SW00107JE	1	U	
	09/08/93	SW00110JE	1	U		SW00109JE	1	U		SW00108JE	1	U	
	09/09/93									SW00111JE	1 00	U	V
	09/10/93									SW00112JE	1 00	U	V
	09/11/93									SW00113JE	1 00	UW	V
	09/12/93									SW00114JE	1 00	U	V
	09/13/93									SW00115JE	1 00	U	V
	09/14/93									SW00116JE	1 00	UW	
	09/15/93									SW00117JE	1 00	UW	
	09/16/93									SW00118JE	1 00	UW	
	09/17/93									SW00119JE	1 00	U	
	09/18/93									SW00120JE	1 00	UW	
	09/19/93									SW00121JE	1 00	U	
	09/20/93									SW00122JE	1 00	U	
	09/21/93	SW00125JE	1 00	U		SW00124JE	1 00	U					
	09/28/93	SW00128JE	1 00	U		SW00127JE	1 00	U					
LITHIUM (Filtered) (CRDL 100)	05/08/91	SW01161WC	6 9	B	V	SW01163WC	6 3		JA				
	06/20/91	SW01264WC	12		JA	SW01266WC	7		JA				
	08/07/91	SW01473WC	10		JA	SW01475WC	10 5		V				
	09/17/91	SW01579WC	22		JA	SW01581WC	7 1	U	V				
	10/17/91					SW01687WC	10 6		V				
	10/21/91	SW01685WC	14 7		V								
	01/27/92	SW01807WC	15 2		V	SW01809WC	8 2		JA				

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits * duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES. V = Valid. A Acceptable. R Rejected J Associated numerical value is an estimated value
*CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Filtered Metals CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION
LITHIUM (Filtered) (CRDL 100)											
	04/06/92	SW70259WC	20 1	B	V	SW70260WC	6 8		JA		
	04/22/92	SW70266WC	16 1		JA	SW70267WC	7 9		JA		
	04/27/92	SW01889WC	16 6		JA	SW01891WC	8 9		JA		
	05/06/92	SW70271WC	15 9	B	V	SW70272WC	6 6		JA		
	05/20/92	SW70285WC	15 3		JA	SW70286WC	9 6		JA		
	06/04/92	SW70290WC	16 8	B	V	SW70291WC	9 3	U	JA		
	06/17/92	SW70293WC	16 5		JA	SW70294WC	7 1		JA		
	07/02/92	SW70296WC	31 5	U	JA	SW70297WC	21	U	JA		
	07/15/92					SW70300WC	8 8	U	JA		
	07/29/92	SW70302WC	21 4		V	SW70303WC	9 8		V		
	08/12/92	SW70305WC	19 3	U	JA	SW70306WC	11 5		JA		
	08/20/92	SW02012WC	21 1		JA	SW02013WC	6 7		JA		
	08/26/92	SW70310WC	7 9		V	SW70309WC	6		V		
	09/08/92	SW70314WC	18 3		V	SW70313WC	9 6		V		
	09/22/92	SW70315WC	16 7		JA	SW70316WC	10 4		JA		
	10/07/92	SW70321WC	12		JA	SW70320WC	19 3		V		
	10/21/92	SW70324WC	16 6		JA	SW70323WC	7 3		JA		
	11/06/92					SW70326WC	9 9		JA		
	11/17/92					SW70329WC	10 4		JA		
	12/03/92					SW70332WC	7 8		V		
	01/06/93					SW70340WC	10 8		V		
	01/13/93	SW70344WC	14 8	B	V	SW70343WC	21 1	B	V		
	01/27/93	SW70347WC	11 2		JA	SW70346WC	6 7		JA		
	02/09/93	SW70350WC	16 3	B	V	SW70349WC	5 6	B	V		
	02/24/93	SW70353WC	11 2	B	V	SW70352WC	9 6	B	V		

QUALIFIER CODES U = Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S = Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A = Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Filtered Metals CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION		
LITHIUM (Filtered) (CRDL 100)													
	03/12/93					SW70001JE	3 4	U	V				
	03/23/93	SW70005JE	12 3	B		SW70004JE	7 3	B					
	04/07/93	SW70010JE	13 1		JA	SW70009JE	7 4		JA				
	04/22/93	SW70013JE	13 4	B	V	SW70012JE	7 3	B	V				
	05/05/93	SW70022JE	15 8		JA	SW70020JE	8 5		JA				
	05/19/93	SW70029JE	9 7		JA	SW70028JE	8 1		JA				
	06/02/93	SW70047JE	9 1		JA	SW70046JE	7 3		JA				
	06/16/93	SW70051JE	15 1			SW70050JE	10 5						
	06/30/93	SW70076JE	17 2			SW70075JE	9 8						
	07/14/93	SW70080JE	18 9			SW70079JE	6						
	07/28/93	SW70093JE	14 8			SW70092JE	8 7						
	08/11/93	SW00103JE	14 5			SW00102JE	8 7						
	08/27/93	SW00106JE	18 6	B		SW00105JE	9 5	B					
	09/07/93									SW00107JE	9 3	B	
	09/08/93	SW00110JE	16 6	B		SW00109JE	6 4	B		SW00108JE	10 5	B	
	09/09/93									SW00111JE	12 70	B	V
	09/10/93									SW00112JE	13 60	B	V
	09/11/93									SW00113JE	14 90	B	V
	09/12/93									SW00114JE	14 20	B	V
	09/13/93									SW00115JE	3 00	U	V
	09/14/93									SW00116JE	9 40	B	
	09/15/93									SW00117JE	13 00	B	
	09/16/93									SW00118JE	13 40	B	
	09/17/93									SW00119JE	13 00	B	
	09/18/93									SW00120JE	7 50	B	

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits * duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES: Missing
VALIDATION CODES V Valid A Acceptable R Rejected J = Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Filtered Metals CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION		
LITHIUM (Filtered) (CRDL 100)													
	09/19/93									SW00121JE	11 00	B	
	09/20/93									SW00122JE	12 70	B	
	09/21/93	SW00125JE	14 10	B		SW00124JE	8 40	B					
	09/28/93	SW00128JE	20 00	B		SW00127JE	8 50	B					
MAGNESIUM (Filtered) (CRDL 5000)	05/08/91	SW01161WC	18600		V	SW01163WC	16500		V				
	06/20/91	SW01264WC	26000		V	SW01266WC	16000		V				
	08/07/91	SW01473WC	13000		V	SW01475WC	13200		V				
	09/17/91	SW01579WC	27200		V	SW01581WC	15100		V				
	10/17/91					SW01687WC	14200		V				
	10/21/91	SW01685WC	26800		V								
	01/27/92	SW01807WC	29600		V	SW01809WC	16700		V				
	04/06/92	SW70259WC	34300		V	SW70260WC	14300		V				
	04/22/92	SW70266WC	29600		V	SW70267WC	14000		V				
	04/27/92	SW01889WC	31200		V	SW01891WC	14900		V				
	05/06/92	SW70271WC	29100		V	SW70272WC	15000		V				
	05/20/92	SW70285WC	31500		V	SW70286WC	15400		V				
	06/04/92	SW70290WC	28400		V	SW70291WC	15600		V				
	06/17/92	SW70293WC	29100		V	SW70294WC	15000		V				
	07/02/92	SW70296WC	37300		V	SW70297WC	17100		V				
	07/15/92					SW70300WC	17000		V				
	07/29/92	SW70302WC	35600		V	SW70303WC	16400		V				
	08/12/92	SW70305WC	34700		V	SW70306WC	16000		V				
	08/20/92	SW02012WC	28300		V	SW02013WC	12500		V				
	08/26/92	SW70310WC	14800		V	SW70309WC	12300		V				
	09/08/92	SW70314WC	31600		V	SW70313WC	15800		V				

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A = Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Filtered Metals CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION		STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION		STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION
MAGNESIUM (Filtered) (CRDL 5000)									
	09/22/92	SW70315WC	30400	JA	SW70316WC	15700	JA		
	10/07/92	SW70321WC	14700	V	SW70320WC	28800	V		
	10/21/92	SW70324WC	29800	JA	SW70323WC	11200	JA		
	11/06/92				SW70326WC	16200	JA		
	11/17/92				SW70329WC	14700	V		
	12/03/92				SW70332WC	15300	V		
	01/06/93				SW70340WC	16900	V		
	01/13/93	SW70344WC	27500	V	SW70343WC	21000	V		
	01/27/93	SW70347WC	26100	V	SW70346WC	14200	V		
	02/09/93	SW70350WC	29500	V	SW70349WC	11500	V		
	02/24/93	SW70353WC	24700	V	SW70352WC	17600	V		
	03/12/93				SW70001JE	10700	V		
	03/23/93	SW70005JE	27700		SW70004JE	17500			
	04/07/93	SW70010JE	21600	V	SW70009JE	12400	V		
	04/22/93	SW70013JE	27800	V	SW70012JE	16900	V		
	05/05/93	SW70022JE	27600	V	SW70020JE	15300	V		
	05/19/93	SW70029JE	16400	V	SW70028JE	15700	V		
	06/02/93	SW70047JE	23900	V	SW70046JE	16400	V		
	06/16/93	SW70051JE	27400		SW70050JE	15900			
	06/30/93	SW70076JE	29200		SW70075JE	15100			
	07/14/93	SW70080JE	29800		SW70079JE	7510			
	07/28/93	SW70093JE	28600		SW70092JE	15000			
	08/11/93	SW00103JE	28300		SW00102JE	15500			
	08/27/93	SW00106JE	29700		SW00105JE	15100			
	09/07/93							SW00107JE	14200

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E = Result is estimated W = Post digestion spike out of control limits * duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES: V = Valid. A = Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program, EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Filtered Metals CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION		STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION		
MAGNESIUM (Filtered) (*CRDL 5000)												
	09/08/93	SW00110JE	28800			SW00109JE	12800		SW00108JE	17300		
	09/09/93								SW00111JE	22500 00		V
	09/10/93								SW00112JE	23600 00		V
	09/11/93								SW00113JE	24200 00		V
	09/12/93								SW00114JE	25500 00		V
	09/13/93								SW00115JE	1800 00	B	V
	09/14/93								SW00116JE	16400 00		
	09/15/93								SW00117JE	21000 00		
	09/16/93								SW00118JE	23800 00		
	09/17/93								SW00119JE	24600 00		
	09/18/93								SW00120JE	11600 00		
	09/19/93								SW00121JE	18700 00		
	09/20/93								SW00122JE	22500 00		
	09/21/93	SW00125JE	23200 00			SW00124JE	17300 00					
	09/28/93	SW00128JE	32300 00			SW00127JE	17300 00					
MANGANESE (Filtered) (CRDL 15)	05/08/91	SW01161WC	1	U	V	SW01163WC	45 8	V				
	06/20/91	SW01264WC	1	U	JA	SW01266WC	27	V				
	08/07/91	SW01473WC	1 3		V	SW01475WC	29 9	V				
	09/17/91	SW01579WC	3 1		JA	SW01581WC	17 8	JA				
	10/17/91					SW01687WC	37 5	V				
	10/21/91	SW01685WC	1 3	U	V							
	01/27/92	SW01807WC	1 6	U	V	SW01809WC	82 6	V				
	04/06/92	SW70259WC	2 1	B	V	SW70260WC	52 7	V				
	04/22/92	SW70266WC	1 5	U	V	SW70267WC	50 9	V				
	04/27/92	SW01889WC	1 5	U	V	SW01891WC	58 3	JA				

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S = Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES· V = Valid A = Acceptable. R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Filtered Metals CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION
MANGANESE (Filtered) (CRDL 15)											
	05/06/92	SW70271WC	2	U	V	SW70272WC	2 8		JA		
	05/20/92	SW70285WC	1 5	U	V	SW70286WC	54 5		V		
	06/04/92	SW70290WC	3 1	U	JA	SW70291WC	34 9		V		
	06/17/92	SW70293WC	1 5	U	V	SW70294WC	46 4		V		
	07/02/92	SW70296WC	11 2	U	JA	SW70297WC	57 5		V		
	07/15/92					SW70300WC	62 4		V		
	07/29/92	SW70302WC	22 9	E	JA	SW70303WC	99 3	E	JA		
	08/12/92	SW70305WC	31 3		V	SW70306WC	57		V		
	08/20/92	SW02012WC	20 5		V	SW02013WC	227		V		
	08/26/92	SW70310WC	1 4		V	SW70309WC	56 8		V		
	09/08/92	SW70314WC	12 8		V	SW70313WC	61 3		V		
	09/22/92	SW70315WC	19 5		JA	SW70316WC	70 9		JA		
	10/07/92	SW70321WC	111		V	SW70320WC	21 6		V		
	10/21/92	SW70324WC	15 2		JA	SW70323WC	67 2		JA		
	11/06/92					SW70326WC	82 4		JA		
	11/17/92					SW70329WC	65 4		V		
	12/03/92					SW70332WC	62 5		V		
	01/06/93					SW70340WC	41 8		V		
	01/13/93	SW70344WC	21 2		V	SW70343WC	271		V		
	01/27/93	SW70347WC	2 4	U	V	SW70346WC	35 4		V		
	02/09/93	SW70350WC	1	U	V	SW70349WC	55 2		V		
	02/24/93	SW70353WC	1	U	V	SW70352WC	47 4		V		
	03/12/93					SW70001JE	30 6		V		
	03/23/93	SW70005JE	1 1	B		SW70004JE	59				
	04/07/93	SW70010JE	1 5	U	V	SW70009JE	66 5		V		

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits * duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES: V Valid A Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Filtered Metals CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION		STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION		
MANGANESE (Filtered) (CRDL 15)												
	04/22/93	SW70013JE	3 4	B	V	SW70012JE	320	V				
	05/05/93	SW70022JE	1 5		JA	SW70020JE	53 9	V				
	05/19/93	SW70029JE	4 4		JA	SW70028JE	54 8	V				
	06/02/93	SW70047JE	1 5	U	V	SW70046JE	45 5	V				
	06/16/93	SW70051JE	2 9			SW70050JE	50 3					
	06/30/93	SW70076JE	4 5			SW70075JE	46 4					
	07/14/93	SW70080JE	9 4			SW70079JE	30 9					
	07/28/93	SW70093JE	3 5			SW70092JE	67 9					
	08/11/93	SW00103JE	2 3			SW00102JE	59 6					
	08/27/93	SW00106JE	15 6			SW00105JE	72 9					
	09/07/93								SW00107JE	8 5	B	
	09/08/93	SW00110JE	21 8			SW00109JE	49		SW00108JE	12 4	B	
	09/09/93								SW00111JE	8 00	B	V
	09/10/93								SW00112JE	6 10	B	V
	09/11/93								SW00113JE	5 40	B	V
	09/12/93								SW00114JE	5 90	B	V
	09/13/93								SW00115JE	20 00		V
	09/14/93								SW00116JE	20 60		
	09/15/93								SW00117JE	13 70	B	
	09/16/93								SW00118JE	10 00	B	
	09/17/93								SW00119JE	9 40	B	
	09/18/93								SW00120JE	15 10		
	09/19/93								SW00121JE	12 80	B	
	09/20/93								SW00122JE	10 00	B	
	09/21/93	SW00125JE	5 30	B		SW00124JE	45 90					

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E Result is estimated W Post digestion spike out of control limits * duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES. V = Valid. A Acceptable. R Rejected J Associated numerical value is an estimated value
*CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Filtered Metals CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION
MANGANESE (Filtered) (CRDL 15)											
	09/28/93	SW00128JE	7 60	B		SW00127JE	60 50				
MERCURY (Filtered) (CRDL 0 2)	05/08/91	SW01161WC	2	U	V	SW01163WC	2	U	V		
	06/20/91	SW01264WC	2	U	V	SW01266WC	2	U	V		
	08/07/91	SW01473WC	2	U	JA	SW01475WC	2	U	V		
	09/17/91	SW01579WC	2	U	V	SW01581WC	2	U	V		
	10/17/91					SW01687WC	2	U	V		
	10/21/91	SW01685WC	2	U	V						
	01/27/92	SW01807WC	2	U	V	SW01809WC	2	U	V		
	04/06/92	SW70259WC	2	U	V	SW70260WC	2	U	V		
	04/22/92	SW70266WC	2	U	V	SW70267WC	2	U	V		
	04/27/92	SW01889WC	2	U	V	SW01891WC	2	U	V		
	05/06/92	SW70271WC	2	U	V	SW70272WC	2	U	V		
	05/20/92	SW70285WC	2	U	V	SW70286WC	2	U	V		
	06/04/92	SW70290WC	2	U	V	SW70291WC	2	U	V		
	06/17/92	SW70293WC	2	U	V	SW70294WC	2	U	V		
	07/02/92	SW70296WC	1	U	V	SW70297WC	1	U	V		
	07/15/92					SW70300WC	1	U	V		
	07/29/92	SW70302WC	3		V	SW70303WC	2	U	V		
	08/12/92	SW70305WC	2	U	V	SW70306WC	2	U	V		
	08/20/92	SW02012WC	2	U	V	SW02013WC	2	U	V		
	08/26/92	SW70310WC	2		JA	SW70309WC	2	U	V		
	09/08/92	SW70314WC	2	U	V	SW70313WC	2	U	V		
	09/22/92	SW70315WC	1	U	JA	SW70316WC	1	U	JA		
	10/07/92	SW70321WC	1	U	JA	SW70320WC	1	U	JA		
	10/21/92	SW70324WC	1	U	JA	SW70323WC	1	U	JA		

QUALIFIER CODES U = Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits = duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Filtered Metals CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION		
MERCURY (Filtered) (CRDL 0 2)													
	11/06/92					SW70326WC	29		JA				
	11/17/92					SW70329WC	1	U	V				
	12/03/92					SW70332WC	1	U	V				
	01/06/93					SW70340WC	1	U	V				
	01/13/93	SW70344WC	2	U	V	SW70343WC	2	U	V				
	01/27/93	SW70347WC	2	U	V	SW70346WC	2	U	V				
	02/09/93	SW70350WC	2	U	V	SW70349WC	2	U	V				
	02/24/93	SW70353WC	2	U	V	SW70352WC	2	U	V				
	03/12/93					SW70001JE	2	U	V				
	03/23/93	SW70005JE	2	U		SW70004JE	2	U					
	04/07/93	SW70010JE	0 20	U	V	SW70009JE	0 20	U	V				
	04/22/93	SW70013JE	2	U	V	SW70012JE	2	U	V				
	05/05/93	SW70022JE	2	U	V	SW70020JE	2	U	V				
	05/19/93	SW70029JE	2	U	V	SW70028JE	2	U	V				
	06/02/93	SW70047JE	2	U	V	SW70046JE	2	U	V				
	06/16/93	SW70051JE	2	U		SW70050JE	2	U					
	06/30/93	SW70076JE	2	U		SW70075JE	2	U					
	07/14/93	SW70080JE	2	U		SW70079JE	2	U					
	07/28/93	SW70093JE	2	U		SW70092JE	2	U					
	08/11/93	SW00103JE	0 20	U		SW00102JE	0 20	U					
	08/27/93	SW00106JE	2	U		SW00105JE	2	U					
	09/07/93									SW00107JE	2	U	
	09/08/93	SW00110JE	2	U		SW00109JE	2	U		SW00108JE	2	U	
	09/09/93									SW00111JE	0 20	UN	JA
	09/10/93									SW00112JE	0 20	UN	JA

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Filtered Metals CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION		
MERCURY (Filtered) (CRDL 0 2)													
	09/11/93									SW00113JE	0 20	UN	JA
	09/12/93									SW00114JE	0 20	UN	JA
	09/13/93									SW00115JE	0 20	UN	JA
	09/14/93									SW00116JE	0 20	U	
	09/15/93									SW00117JE	0 20	U	
	09/16/93									SW00118JE	0 20	U	
	09/17/93									SW00119JE	0 20	U	
	09/18/93									SW00120JE	0 20	U	
	09/19/93									SW00121JE	0 20	U	
	09/20/93									SW00122JE	0 20	U	
	09/21/93	SW00125JE	0 20	U		SW00124JE	0 20	U					
	09/28/93	SW00128JE	0 20	U		SW00127JE	0 20	U					
MOLYBDENUM (Filtered) (CRDL 200)	05/08/91	SW01161WC	2 8	B	V	SW01163WC	5 7	U	V				
	06/20/91	SW01264WC	3	U	JA	SW01266WC	3	U	JA				
	08/07/91	SW01473WC	3	U	JA	SW01475WC	10	U	V				
	09/17/91	SW01579WC	5 8	U	V	SW01581WC	5 8	U	V				
	10/17/91					SW01687WC	5 8	U	V				
	10/21/91	SW01685WC	5 8	U	V								
	01/27/92	SW01807WC	6 5	U	V	SW01809WC	6 5	U	V				
	04/06/92	SW70259WC	3	U	V	SW70260WC	3 5	U	V				
	04/22/92	SW70266WC	4 5		JA	SW70267WC	3 5	U	V				
	04/27/92	SW01889WC	3 5	U	V	SW01891WC	3 5	U	V				
	05/06/92	SW70271WC	3 3	U	JA	SW70272WC	3 5	U	JA				
	05/20/92	SW70285WC	3 5	U	V	SW70286WC	3 5	U	V				
	06/04/92	SW70290WC	3 7	U	JA	SW70291WC	4 6	U	JA				

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E = Result is estimated W Post digestion spike out of control limits * duplicate analysis outside control limits
S = Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V = Valid A = Acceptable R = Rejected. J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Filtered Metals CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION
MOLYBDENUM (Filtered) (*CRDL 200)											
	06/17/92	SW70293WC	3 5	U	V	SW70294WC	3 5	U	V		
	07/02/92	SW70296WC	17 1	U	V	SW70297WC	17 1	U	V		
	07/15/92					SW70300WC	17 1	U	V		
	07/29/92	SW70302WC	2 7	U	V	SW70303WC	2 7	U	V		
	08/12/92	SW70305WC	200	U	V	SW70306WC	7 2	U	R		
	08/20/92	SW02012WC	7 2	U	JA	SW02013WC	7 2	U	JA		
	08/26/92	SW70310WC	2 7	U	V	SW70309WC	2 7	U	V		
	09/08/92	SW70314WC	4		JA	SW70313WC	2 5		JA		
	09/22/92	SW70315WC	1 8		JA	SW70316WC	2 1		JA		
	10/07/92	SW70321WC	1 7	U	V	SW70320WC	1 7	U	V		
	10/21/92	SW70324WC	2 2		JA	SW70323WC	3 7		JA		
	11/06/92					SW70326WC	3 6		JA		
	11/17/92					SW70329WC	1 7	U	V		
	12/03/92					SW70332WC	1 7		JA		
	01/06/93					SW70340WC	3 8		JA		
	01/13/93	SW70344WC	5	U	V	SW70343WC	5	U	V		
	01/27/93	SW70347WC	7 4		JA	SW70346WC	6 5	U	V		
	02/09/93	SW70350WC	5	U	V	SW70349WC	5	U	V		
	02/24/93	SW70353WC	15 4	U	JA	SW70352WC	5	U	V		
	03/12/93					SW70001JE	6 5	U	V		
	03/23/93	SW70005JE	5	U		SW70004JE	5	U			
	04/07/93	SW70010JE	10 2	U	V	SW70009JE	10 2	U	V		
	04/22/93	SW70013JE	4	U	V	SW70012JE	4	U	V		
	05/05/93	SW70022JE	10 2	U	V	SW70020JE	10 2	U	V		
	05/19/93	SW70029JE	10 2	U	V	SW70028JE	10 2	U	V		

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Filtered Metals CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION		
MOLYBDENUM (Filtered) (CRDL 200)													
	06/02/93	SW70047JE	10 2	U	V	SW70046JE	10 2	U	V				
	06/16/93	SW70051JE	10 2	U		SW70050JE	10 2	U					
	06/30/93	SW70076JE	10 2	U		SW70075JE	10 2	U					
	07/14/93	SW70080JE	10 2	U		SW70079JE	10 2	U					
	07/28/93	SW70093JE	10 2	U		SW70092JE	10 2	U					
	08/11/93	SW00103JE	10 2	U		SW00102JE	10 2	U					
	08/27/93	SW00106JE	5	U		SW00105JE	5	U					
	09/07/93									SW00107JE	5	U	
	09/08/93	SW00110JE	5	U		SW00109JE	5	U		SW00108JE	5	U	
	09/09/93									SW00111JE	5 00	U	V
	09/10/93									SW00112JE	5 00	U	V
	09/11/93									SW00113JE	14 00	B	JA
	09/12/93									SW00114JE	5 00	U	V
	09/13/93									SW00115JE	5 00	U	V
	09/14/93									SW00116JE	9 40	B	
	09/15/93									SW00117JE	5 00	U	
	09/16/93									SW00118JE	5 00	U	
	09/17/93									SW00119JE	5 00	U	
	09/18/93									SW00120JE	5 00	U	
	09/19/93									SW00121JE	5 00	U	
	09/20/93									SW00122JE	5 00	U	
	09/21/93	SW00125JE	5 00	U		SW00124JE	5 00	U					
	09/28/93	SW00128JE	5 00	U		SW00127JE	5 00	U					
NICKEL (Filtered) (CRDL 40)	05/08/91	SW01161WC	3	U	V	SW01163WC	14 7	U	V				
	06/20/91	SW01264WC	4	U	V	SW01266WC	4	U	V				

QUALIFIER CODES U = Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES: Missing
VALIDATION CODES: V = Valid A = Acceptable R = Rejected J = Associated numerical value is an estimated value.
*CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Filtered Metals CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION
NICKEL (Filtered) (CRDL 40)											
	08/07/91	SW01473WC	4	U	JA	SW01475WC	10 7	U	V		
	09/17/91	SW01579WC	7		JA	SW01581WC	5 9	U	V		
	10/17/91					SW01687WC	5 9	U	V		
	10/21/91	SW01685WC	5 9	U	V						
	01/27/92	SW01807WC	9 9	U	V	SW01809WC	9 9	U	V		
	04/06/92	SW70259WC	3	U	V	SW70260WC	11 2	U	V		
	04/22/92	SW70266WC	11 2	U	V	SW70267WC	11 2	U	V		
	04/27/92	SW01889WC	11 2	U	V	SW01891WC	11 2	U	V		
	05/06/92	SW70271WC	3	U	V	SW70272WC	11 2	U	V		
	05/20/92	SW70285WC	11 2	U	V	SW70286WC	11 2	U	V		
	06/04/92	SW70290WC	3	U	V	SW70291WC	3	U	V		
	06/17/92	SW70293WC	11 2	U	V	SW70294WC	11 2	U	V		
	07/02/92	SW70296WC	33 2	U	V	SW70297WC	33 2	U	V		
	07/15/92					SW70300WC	33 2	U	V		
	07/29/92	SW70302WC	6	U	V	SW70303WC	6	U	V		
	08/12/92	SW70305WC	40	U	V	SW70306WC	11 4		JA		
	08/20/92	SW02012WC	9 9	U	V	SW02013WC	9 9	U	V		
	08/26/92	SW70310WC	6	U	V	SW70309WC	6	U	V		
	09/08/92	SW70314WC	2 6	U	V	SW70313WC	2 6	U	V		
	09/22/92	SW70315WC	2 6	U	JA	SW70316WC	3 4		JA		
	10/07/92	SW70321WC	4 3		V	SW70320WC	2 6	U	V		
	10/21/92	SW70324WC	2 6	U	JA	SW70323WC	2 6	U	JA		
	11/06/92					SW70326WC	2 6	U	JA		
	11/17/92					SW70329WC	2 6	U	V		
	12/03/92					SW70332WC	2 6	U	R		

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES· V = Valid A = Acceptable R = Rejected. J = Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program, EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Filtered Metals CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION		
NICKEL (Filtered) (CRDL 40)	01/06/93												
	01/13/93	SW70344WC	6 6	U	JA	SW70340WC	3	U	JA				
	01/27/93	SW70347WC	11	U	V	SW70343WC	7 2	U	JA				
	02/09/93	SW70350WC	5	U	V	SW70346WC	11 1		JA				
	02/24/93	SW70353WC	5	U	JA	SW70349WC	5	U	V				
	03/12/93					SW70352WC	5	U	JA				
	03/23/93	SW70005JE	5	U		SW70001JE	11	U	V				
	04/07/93	SW70010JE	15 1	U	V	SW70004JE	5	U					
	04/22/93	SW70013JE	8 4	U	JA	SW70009JE	15 1	U	V				
	05/05/93	SW70022JE	15 1	U	V	SW70012JE	6	U	V				
	05/19/93	SW70029JE	15 1	U	V	SW70020JE	15 1	U	V				
	06/02/93	SW70047JE	15 1	U	V	SW70028JE	15 1	U	V				
	06/16/93	SW70051JE	15 1	U		SW70046JE	15 1	U	V				
	06/30/93	SW70076JE	12 4	U		SW70050JE	15 1	U					
	07/14/93	SW70080JE	12 4	U		SW70075JE	12 4	U					
	07/28/93	SW70093JE	12 4	U		SW70079JE	12 4	U					
	08/11/93	SW00103JE	12 4	U		SW70092JE	12 4	U					
	08/27/93	SW00106JE	7	U		SW00102JE	12 4	U					
	09/07/93					SW00105JE	7	U					
	09/08/93	SW00110JE	7	U		SW00109JE	7	U		SW00107JE	7	U	
	09/09/93									SW00108JE	7	U	
	09/10/93									SW00111JE	7 00	U	V
	09/11/93									SW00112JE	7 00	U	V
	09/12/93									SW00113JE	7 00	U	V
	09/13/93									SW00114JE	7 00	U	V
										SW00115JE	7 00	U	V

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES: V = Valid. A = Acceptable R Rejected. J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Filtered Metals CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	
NICKEL (Filtered) (CRDL = 40)												
	09/14/93									SW00116JE	7 00	U
	09/15/93									SW00117JE	8 30	B
	09/16/93									SW00118JE	7 00	U
	09/17/93									SW00119JE	7 00	U
	09/18/93									SW00120JE	9 30	B
	09/19/93									SW00121JE	7 00	U
	09/20/93									SW00122JE	7 00	U
	09/21/93	SW00125JE	7 00	U		SW00124JE	7 00	U				
	09/28/93	SW00128JE	7 00	B		SW00127JE	8 20	B				
POTASSIUM (Filtered) (CRDL 5000)	05/08/91	SW01161WC	2500	B	V	SW01163WC	2050	U	V			
	06/20/91	SW01264WC	2600		V	SW01266WC	1400		V			
	08/07/91	SW01473WC	1000		V	SW01475WC	1880		V			
	09/17/91	SW01579WC	1010		V	SW01581WC	1190		V			
	10/17/91					SW01687WC	1220		JA			
	10/21/91	SW01685WC	1060		JA							
	01/27/92	SW01807WC	1150		V	SW01809WC	1910		V			
	04/06/92	SW70259WC	1420	B	V	SW70260WC	864		JA			
	04/22/92	SW70266WC	1490		JA	SW70267WC	1580		JA			
	04/27/92	SW01889WC	1040		JA	SW01891WC	1750		JA			
	05/06/92	SW70271WC	1010	B	V	SW70272WC	674	U	R			
	05/20/92	SW70285WC	674	U	JA	SW70286WC	837		JA			
	06/04/92	SW70290WC	1290	B	V	SW70291WC	1830	B	V			
	06/17/92	SW70293WC	1590		JA	SW70294WC	1490		JA			
	07/02/92	SW70296WC	3060	U	V	SW70297WC	3060	U	V			
	07/15/92					SW70300WC	3060	U	JA			

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits = duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Filtered Metals CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION
POTASSIUM (Filtered) (*CRDL 5000)											
	07/29/92	SW70302WC	1060		V	SW70303WC	1340		V		
	08/12/92	SW70305WC	5000	U	V	SW70306WC	2360		V		
	08/20/92	SW02012WC	1030	U	V	SW02013WC	4120		V		
	08/26/92	SW70310WC	725		V	SW70309WC	1870		V		
	09/08/92	SW70314WC	954		V	SW70313WC	1260		V		
	09/22/92	SW70315WC	1040		JA	SW70316WC	1480		JA		
	10/07/92	SW70321WC	2960		V	SW70320WC	872		V		
	10/21/92	SW70324WC	1030		JA	SW70323WC	2860		JA		
	11/06/92					SW70326WC	1770		JA		
	11/17/92					SW70329WC	1370		V		
	12/03/92					SW70332WC	1940		V		
	01/06/93					SW70340WC	1450		V		
	01/13/93	SW70344WC	1410	B	V	SW70343WC	1870	B	V		
	01/27/93	SW70347WC	1100		JA	SW70346WC	2190		JA		
	02/09/93	SW70350WC	1550	U	JA	SW70349WC	3410	B	V		
	02/24/93	SW70353WC	1330	B	V	SW70352WC	1430	B	V		
	03/12/93					SW70001JE	3050		JA		
	03/23/93	SW70005JE	1190	B		SW70004JE	1750	B			
	04/07/93	SW70010JE	1010	U	V	SW70009JE	1950		V		
	04/22/93	SW70013JE	1380	B	JA	SW70012JE	13500		V		
	05/05/93	SW70022JE	1760		V	SW70020JE	1660		V		
	05/19/93	SW70029JE	1010	U	V	SW70028JE	1470		V		
	06/02/93	SW70047JE	1010	U	V	SW70046JE	1360		V		
	06/16/93	SW70051JE	1490			SW70050JE	1420				
	06/30/93	SW70076JE	1760			SW70075JE	1760				

QUALIFIER CODES U Analyzed but not detected B = Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S = Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Filtered Metals CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION		
POTASSIUM (Filtered) (CRDL 5000)													
	07/14/93	SW70080JE	1800			SW70079JE	2390						
	07/28/93	SW70093JE	864			SW70092JE	1340						
	08/11/93	SW00103JE	851			SW00102JE	1100						
	08/27/93	SW00106JE	1110	B		SW00105JE	1110	B					
	09/07/93									SW00107JE	2880	B	
	09/08/93	SW00110JE	1090	B		SW00109JE	1950	B		SW00108JE	3390	B	
	09/09/93									SW00111JE	3720 00	B	V
	09/10/93									SW00112JE	3530 00	B	V
	09/11/93									SW00113JE	3670 00	B	V
	09/12/93									SW00114JE	3560 00	B	V
	09/13/93									SW00115JE	1700 00	B	V
	09/14/93									SW00116JE	2940 00	B	
	09/15/93									SW00117JE	3400 00	B	
	09/16/93									SW00118JE	3320 00	B	
	09/17/93									SW00119JE	3120 00	B	
	09/18/93									SW00120JE	2480 00	B	
	09/19/93									SW00121JE	3060 00	B	
	09/20/93									SW00122JE	3420 00	B	
	09/21/93	SW00125JE	817 00	B		SW00124JE	1350 00	B					
	09/28/93	SW00128JE	1120 00	B		SW00127JE	1220 00	B					
SELENIUM (Filtered) (CRDL 5)	05/08/91	SW01161WC	1	B	JA	SW01163WC	1 2		V				
	06/20/91	SW01264WC	4	U	JA	SW01266WC	4	U	JA				
	08/07/91	SW01473WC	4	UI	JA	SW01475WC	1 2	U	JA				
	09/17/91	SW01579WC	1 2	U	JA	SW01581WC	1 2	U	V				
	10/17/91					SW01687WC	1 5	U	V				

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E = Result is estimated W Post digestion spike out of control limits * duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V = Valid A Acceptable R = Rejected J Associated numerical value is an estimated value
*CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Filtered Metals CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION
SELENIUM (Filtered) (CRDL 5)											
	10/21/91	SW01685WC	1 5	U	V						
	01/27/92	SW01807WC	1 1		JA	SW01809WC	1	U	V		
	04/06/92	SW70259WC	1	U	V	SW70260WC	8	U	JA		
	04/22/92	SW70266WC	1 8		JA	SW70267WC	1 5		JA		
	04/27/92	SW01889WC	1 8	U	JA	SW01891WC	1 8	U	JA		
	05/06/92	SW70271WC	1	U	V	SW70272WC	1		JA		
	05/20/92	SW70285WC	1 4		JA	SW70286WC	1 9		JA		
	06/04/92	SW70290WC	1	U	V	SW70291WC	1 2	B	V		
	06/17/92	SW70293WC	8	U	R	SW70294WC	1 3		JA		
	07/02/92	SW70296WC	1 5	U	JA	SW70297WC	1	U	V		
	07/15/92					SW70300WC	1	U	V		
	07/29/92	SW70302WC	3 6	UW	JA	SW70303WC	3 6	U	JA		
	08/12/92	SW70305WC	5	U	V	SW70306WC	1 7	U	V		
	08/20/92	SW02012WC	1 7	U	V	SW02013WC	1 7	U	V		
	08/26/92	SW70310WC	2 9	U	JA	SW70309WC	3	W	JA		
	09/08/92	SW70314WC	3 9	UW	V	SW70313WC	3 9	U	JA		
	09/22/92	SW70315WC	2 9	U	JA	SW70316WC	2 9	U	JA		
	10/07/92	SW70321WC	3 4	I	JA	SW70320WC	2 9	U	JA		
	10/21/92	SW70324WC	3 9	UI	JA	SW70323WC	3 9	U	JA		
	11/06/92					SW70326WC	2 9	U	JA		
	11/17/92					SW70329WC	7 4		JA		
	12/03/92					SW70332WC	19	UI	JA		
	01/06/93					SW70340WC	3 8	U	V		
	01/13/93	SW70344WC	1 4	U	JA	SW70343WC	3 3	U	JA		
	01/27/93	SW70347WC	1 3	U	JA	SW70346WC	1 6		V		

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid. A Acceptable. R Rejected. J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Filtered Metals CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION		
SELENIUM (Filtered) (CRDL 5)													
	02/09/93	SW70350WC	1	U	V	SW70349WC	1	U	V				
	02/24/93	SW70353WC	1	U	V	SW70352WC	1	U	V				
	03/12/93					SW70001JE	1 6		V				
	03/23/93	SW70005JE	1	UW		SW70004JE	1	U					
	04/07/93	SW70010JE	1 2	U	V	SW70009JE	1 5		V				
	04/22/93	SW70013JE	1	U	V	SW70012JE	2 5	B	V				
	05/05/93	SW70022JE	1 4	U	V	SW70020JE	1 4	U	V				
	05/19/93	SW70029JE	1 4	U	V	SW70028JE	1 4	U	V				
	06/02/93	SW70047JE	1 2		V	SW70046JE	1 2		V				
	06/16/93	SW70051JE	1 1			SW70050JE	2						
	06/30/93	SW70076JE	1 1	U		SW70075JE	1 1	U					
	07/14/93	SW70080JE	1 1	U		SW70079JE	1 1	U					
	07/28/93	SW70093JE	1 1	U		SW70092JE	1 1	U					
	08/11/93	SW00103JE	1 1	U		SW00102JE	1 3						
	08/27/93	SW00106JE	1	U		SW00105JE	1	U					
	09/07/93									SW00107JE	2 7	B	
	09/08/93	SW00110JE	1	U		SW00109JE	1	U		SW00108JE	3 2	B	
	09/09/93									SW00111JE	3 80	B	V
	09/10/93									SW00112JE	3 60	B	V
	09/11/93									SW00113JE	4 40	B	V
	09/12/93									SW00114JE	4 60	B	V
	09/13/93									SW00115JE	1 00	U	V
	09/14/93									SW00116JE	2 20	B	
	09/15/93									SW00117JE	2 90	B	
	09/16/93									SW00118JE	3 60	B	

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Filtered Metals CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	
SELENIUM (Filtered) (CRDL 5)												
	09/17/93									SW00119JE	3 60	B
	09/18/93									SW00120JE	2 30	B
	09/19/93									SW00121JE	2 90	B
	09/20/93									SW00122JE	3 70	B
	09/21/93	SW00125JE	2 00	U		SW00124JE	2 00	U				
	09/28/93	SW00125JE	2 00	U		SW00124JE	2 00	U				
SILICON (Filtered)	05/08/91					SW01163WC	4980		V			
	06/20/91	SW01264WC	5620		V	SW01266WC	4930		V			
	07/12/91					SW01369WC	5230		V			
	08/07/91	SW01473WC	3800		V	SW01475WC	4000		JA			
	09/17/91	SW01579WC	6290		V	SW01581WC	5250		V			
	10/17/91					SW01687WC	5070		V			
	10/21/91	SW01685WC	6470		JA							
	01/27/92	SW01807WC	5810		V	SW01809WC	5370		V			
	04/06/92	SW70259WC	6280		V	SW70260WC	5070		V			
	04/22/92	SW70266WC	5670		JA	SW70267WC	5090		JA			
	04/27/92	SW01889WC	6270		V	SW01891WC	5550		V			
	05/06/92	SW70271WC	5970		V	SW70272WC	5310		V			
	05/20/92	SW70285WC	6140		V	SW70286WC	5340		V			
	06/04/92	SW70290WC	5650		V	SW70291WC	5240		V			
	06/17/92	SW70293WC	6150		V	SW70294WC	5490		V			
	07/02/92	SW70296WC	7460		V	SW70297WC	6260		V			
	07/15/92					SW70300WC	5700		V			
	07/29/92	SW70302WC	7010		JA	SW70303WC	6180		JA			
	08/12/92	SW70305WC	6370		V	SW70306WC	5970		V			

QUALIFIER CODES U = Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Filtered Metals CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION		STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION		STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION
SILICON (Filtered)									
	08/20/92	SW02012WC	5480	V	SW02013WC	4520	V		
	08/26/92	SW70310WC	4780	JA	SW70309WC	5300	JA		
	09/08/92	SW70314WC	7200	JA	SW70313WC	6540	JA		
	09/22/92	SW70315WC	6460	JA	SW70316WC	5960	JA		
	10/07/92	SW70321WC	6300	JA	SW70320WC	6480	JA		
	10/21/92	SW70324WC	6530	JA	SW70323WC	4960	JA		
	11/06/92				SW70326WC	5370	JA		
	11/17/92				SW70329WC	5150	JA		
	12/03/92				SW70332WC	4940	JA		
	01/06/93				SW70340WC	6350	JA		
	01/13/93	SW70344WC	8690	V	SW70343WC	5460	V		
	01/27/93	SW70347WC	5680	V	SW70346WC	4340	V		
	02/09/93	SW70350WC	5700	V	SW70349WC	4020	V		
	02/24/93	SW70353WC	5130	V	SW70352WC	4940	V		
	03/12/93				SW70001JE	2880	V		
	03/23/93	SW70005JE	5260		SW70004JE	4360			
	04/07/93	SW70010JE	4640	V	SW70009JE	4060	V		
	04/22/93	SW70013JE	5280	V	SW70012JE	4550	V		
	05/05/93	SW70022JE	5540	V	SW70020JE	4930	V		
	05/19/93	SW70029JE	4390	V	SW70028JE	5180	V		
	06/02/93	SW70047JE	4920	V	SW70046JE	5040	V		
	06/16/93	SW70051JE	5870		SW70050JE	5200			
	06/30/93	SW70076JE	5910		SW70075JE	4950			
	07/14/93	SW70080JE	6070		SW70079JE	3390			
	07/28/93	SW70093JE	5870		SW70092JE	5370			

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E = Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program, EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Filtered Metals CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	
SILICON (Filtered)												
	08/11/93	SW00103JE	6110			SW00102JE	5570					
	08/27/93	SW00106JE	6440			SW00105JE	5660					
	09/07/93									SW00107JE	4350	
	09/08/93	SW00110JE	6080			SW00109JE	4700			SW00108JE	5740	
	09/09/93									SW00111JE	6880 00	V
	09/10/93									SW00112JE	6870 00	V
	09/11/93									SW00113JE	6860 00	V
	09/12/93									SW00114JE	6960 00	V
	09/13/93									SW00115JE	1110 00	V
	09/14/93									SW00116JE	5230 00	
	09/15/93									SW00117JE	6230 00	
	09/16/93									SW00118JE	6550 00	
	09/17/93									SW00119JE	6520 00	
	09/18/93									SW00120JE	3580 00	
	09/19/93									SW00121JE	5740 00	
	09/20/93									SW00122JE	6270 00	
	09/21/93	SW00125JE	5090 00			SW00124JE	5560 00					
	09/28/93	SW00128JE	6300 00			SW00127JE	5640 00					
SILVER (Filtered) (CRDL 10)	05/08/91	SW01161WC	2	U	V	SW01163WC	5	U	V			
	06/20/91	SW01264WC	2	U	JA	SW01266WC	2	U	JA			
	08/07/91	SW01473WC	2	U	V	SW01475WC	6 8	U	V			
	09/17/91	SW01579WC	2 9	U	V	SW01581WC	2 9	U	V			
	10/17/91					SW01687WC	5 6		JA			
	10/21/91	SW01685WC	5 1		JA							
	01/27/92	SW01807WC	2 5	U	V	SW01809WC	2 5	U	V			

QUALIFIER CODES: U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES = Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Filtered Metals CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION
SILVER (Filtered) (CRDL 10)											
	04/06/92	SW70259WC	2	U	V	SW70260WC	2 1	U	V		
	04/22/92	SW70266WC	2 1	U	V	SW70267WC	2 9		JA		
	04/27/92	SW01889WC	2 9		JA	SW01891WC	2 1	U	V		
	05/06/92	SW70271WC	2	U	R	SW70272WC	2 1	U	V		
	05/20/92	SW70285WC	2 1	U	V	SW70286WC	2 1	U	V		
	06/04/92	SW70290WC	2	U	V	SW70291WC	2	U	V		
	06/17/92	SW70293WC	3		JA	SW70294WC	2 1	U	V		
	07/02/92	SW70296WC	4	U	V	SW70297WC	4	U	V		
	07/15/92					SW70300WC	4	U	V		
	07/29/92	SW70302WC	2 3	U	V	SW70303WC	2 3	U	V		
	08/12/92	SW70305WC	10	U	V	SW70306WC	2	U	V		
	08/20/92	SW02012WC	2	U	V	SW02013WC	2	U	V		
	08/26/92	SW70310WC	2 3	U	V	SW70309WC	2 3	U	V		
	09/08/92	SW70314WC	3 6	U	V	SW70313WC	3 6	U	V		
	09/22/92	SW70315WC	3 6	U	R	SW70316WC	3 6	U	R		
	10/07/92	SW70321WC	3 6	U	V	SW70320WC	3 6	U	V		
	10/21/92	SW70324WC	3 6	U	JA	SW70323WC	3 6	U	JA		
	11/06/92					SW70326WC	3 6	U	JA		
	11/17/92					SW70329WC	3 6	U	V		
	12/03/92					SW70332WC	3 6	U	V		
	01/06/93					SW70340WC	3 9	U	V		
	01/13/93	SW70344WC	3	U	V	SW70343WC	3	U	V		
	01/27/93	SW70347WC	3 6	U	V	SW70346WC	3 6	U	V		
	02/09/93	SW70350WC	3	U	V	SW70349WC	3	U	V		
	02/24/93	SW70353WC	3	U	V	SW70352WC	3	U	V		

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Filtered Metals CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION		
SILVER (Filtered) (CRDL 10)													
	03/12/93					SW70001JE	3 6	U	V				
	03/23/93	SW70005JE	3	U		SW70004JE	3	U					
	04/07/93	SW70010JE	4 8	U	V	SW70009JE	4 8	U	V				
	04/22/93	SW70013JE	3	U	V	SW70012JE	3	U	V				
	05/05/93	SW70022JE	4 8	U	V	SW70020JE	4 8	U	V				
	05/19/93	SW70029JE	4 8	U	V	SW70028JE	4 8	U	V				
	06/02/93	SW70047JE	4 8	U	V	SW70046JE	4 8	U	V				
	06/16/93	SW70051JE	4 8	U		SW70050JE	4 8	U					
	06/30/93	SW70076JE	3 2	U		SW70075JE	3 2	U					
	07/14/93	SW70080JE	3 2	U		SW70079JE	3 2	U					
	07/28/93	SW70093JE	3 2	U		SW70092JE	3 2	U					
	08/11/93	SW00103JE	3 2	U		SW00102JE	3 2	U					
	08/27/93	SW00106JE	3	U		SW00105JE	3	U					
	09/07/93												
	09/08/93	SW00110JE	3	U		SW00109JE	3	U		SW00107JE	3	U	
	09/09/93									SW00108JE	3	U	
	09/10/93									SW00111JE	3 00	U	V
	09/11/93									SW00112JE	3 00	U	V
	09/12/93									SW00113JE	3 00	U	V
	09/13/93									SW00114JE	3 00	U	V
	09/14/93									SW00115JE	3 00	U	V
	09/15/93									SW00116JE	3 00	U	
	09/16/93									SW00117JE	3 00	U	
	09/17/93									SW00118JE	3 00	U	
	09/18/93									SW00119JE	3 00	U	
										SW00120JE	3 00	U	

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES = Missing
VALIDATION CODES. V Valid. A Acceptable. R Rejected. J Associated numerical value is an estimated value
*CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Filtered Metals CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	
SILVER (Filtered) (CRDL 10)												
	09/19/93									SW00121JE	3 00	U
	09/20/93									SW00122JE	3 00	U
	09/21/93	SW00125JE	3 00	U		SW00124JE	3 00	U				
	09/28/93	SW00128JE	3 00	U		SW00127JE	3 00	U				
SODIUM (Filtered) (CRDL 5000)	05/08/91	SW01161WC	39500		V	SW01163WC	42400		V			
	06/20/91	SW01264WC	37000		V	SW01266WC	35000		V			
	08/07/91	SW01473WC	20000		V	SW01475WC	30400		V			
	09/17/91	SW01579WC	37700		V	SW01581WC	33400		V			
	10/17/91					SW01687WC	32800		V			
	10/21/91	SW01685WC	39300		V							
	01/27/92	SW01807WC	41400		V	SW01809WC	40400		V			
	04/06/92	SW70259WC	42700		V	SW70260WC	32900		V			
	04/22/92	SW70266WC	37500		V	SW70267WC	30700		V			
	04/27/92	SW01889WC	39800		V	SW01891WC	32600		V			
	05/06/92	SW70271WC	37800		V	SW70272WC	29900		V			
	05/20/92	SW70285WC	37700		V	SW70286WC	31000		V			
	06/04/92	SW70290WC	36200		V	SW70291WC	36600		V			
	06/17/92	SW70293WC	33400		V	SW70294WC	31200		V			
	07/02/92	SW70296WC	43300		V	SW70297WC	36600		V			
	07/15/92					SW70300WC	36000		V			
	07/29/92	SW70302WC	42400		V	SW70303WC	36700		V			
	08/12/92	SW70305WC	40200		V	SW70306WC	37700		V			
	08/20/92	SW02012WC	36500		V	SW02013WC	30900		V			
	08/26/92	SW70310WC	21300		V	SW70309WC	29900		V			
	09/08/92	SW70314WC	38300		V	SW70313WC	32800		V			

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Filtered Metals CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION		STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION		STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION
SODIUM (Filtered) (CRDL 5000)									
	09/22/92	SW70315WC	36800	JA	SW70316WC	31200	JA		
	10/07/92	SW70321WC	31000	V	SW70320WC	34800	V		
	10/21/92	SW70324WC	36600	JA	SW70323WC	27100	JA		
	11/06/92				SW70326WC	36800	JA		
	11/17/92				SW70329WC	32900	V		
	12/03/92				SW70332WC	42900	V		
	01/06/93				SW70340WC	35100	V		
	01/13/93	SW70344WC	40300	V	SW70343WC	41600	V		
	01/27/93	SW70347WC	36700	V	SW70346WC	30200	V		
	02/09/93	SW70350WC	43200	V	SW70349WC	32100	V		
	02/24/93	SW70353WC	60900	V	SW70352WC	46200	V		
	03/12/93				SW70001JE	48100	V		
	03/23/93	SW70005JE	56100		SW70004JE	46800			
	04/07/93	SW70010JE	40800	V	SW70009JE	37700	V		
	04/22/93	SW70013JE	41200	V	SW70012JE	45300	V		
	05/05/93	SW70022JE	36500	V	SW70020JE	34000	V		
	05/19/93	SW70029JE	28600	V	SW70028JE	38900	V		
	06/02/93	SW70047JE	36400	V	SW70046JE	39500	V		
	06/16/93	SW70051JE	38000		SW70050JE	33700			
	06/30/93	SW70076JE	37600		SW70075JE	33800			
	07/14/93	SW70080JE	38800		SW70079JE	21900			
	07/28/93	SW70093JE	40700		SW70092JE	34400			
	08/11/93	SW00103JE	38300		SW00102JE	34700			
	08/27/93	SW00106JE	41300		SW00105JE	34300			
	09/07/93							SW00107JE	41700

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E = Result is estimated W = Post digestion spike out of control limits * duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Filtered Metals CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION		STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION		STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	
SODIUM (Filtered) (CRDL 5000)										
	09/08/93	SW00110JE	41000		SW00109JE	33500		SW00108JE	55700	
	09/09/93							SW00111JE	68300 00	V
	09/10/93							SW00112JE	69800 00	V
	09/11/93							SW00113JE	70100 00	V
	09/12/93							SW00114JE	74400 00	V
	09/13/93							SW00115JE	7880 00	V
	09/14/93							SW00116JE	51000 00	
	09/15/93							SW00117JE	61800 00	
	09/16/93							SW00118JE	68300 00	
	09/17/93							SW00119JE	69100 00	
	09/18/93							SW00120JE	30200 00	
	09/19/93							SW00121JE	52900 00	
	09/20/93							SW00122JE	62500 00	
	09/21/93	SW00125JE	31800 00		SW00124JE	43200 00				
	09/28/93	SW00128JE	41500 00		SW00127JE	41000 00				
STRONTIUM (Filtered) (CRDL 200)	05/08/91	SW01161WC	538	V	SW01163WC	476	V			
	06/20/91	SW01264WC	700	V	SW01266WC	510	JA			
	08/07/91	SW01473WC	330	JA	SW01475WC	396	V			
	09/17/91	SW01579WC	689	V	SW01581WC	449	V			
	10/17/91				SW01687WC	416	V			
	10/21/91	SW01685WC	669	V						
	01/27/92	SW01807WC	781	V	SW01809WC	526	V			
	04/06/92	SW70259WC	821	V	SW70260WC	469	V			
	04/22/92	SW70266WC	771	JA	SW70267WC	471	JA			
	04/27/92	SW01889WC	819	V	SW01891WC	502	V			

QUALIFIER CODES U Analyzed but not detected B = Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES. V Valid. A Acceptable R Rejected J = Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Filtered Metals CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION		STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION		STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION
STRONTIUM (Filtered) (CRDL 200)									
	05/06/92	SW70271WC	771	V	SW70272WC	484	V		
	05/20/92	SW70285WC	811	V	SW70286WC	485	V		
	06/04/92	SW70290WC	752	V	SW70291WC	496	V		
	06/17/92	SW70293WC	752	V	SW70294WC	490	V		
	07/02/92	SW70296WC	928	V	SW70297WC	520	V		
	07/15/92				SW70300WC	527	V		
	07/29/92	SW70302WC	864	V	SW70303WC	494	V		
	08/12/92	SW70305WC	901	V	SW70306WC	506	JA		
	08/20/92	SW02012WC	755	JA	SW02013WC	392	JA		
	08/26/92	SW70310WC	377	V	SW70309WC	379	V		
	09/08/92	SW70314WC	767	V	SW70313WC	477	V		
	09/22/92	SW70315WC	740	JA	SW70316WC	464	JA		
	10/07/92	SW70321WC	458	V	SW70320WC	747	V		
	10/21/92	SW70324WC	763	JA	SW70323WC	336	JA		
	11/06/92				SW70326WC	488	JA		
	11/17/92				SW70329WC	482	V		
	12/03/92				SW70332WC	479	V		
	01/06/93				SW70340WC	511	JA		
	01/13/93	SW70344WC	614	V	SW70343WC	549	V		
	01/27/93	SW70347WC	684	V	SW70346WC	410	V		
	02/09/93	SW70350WC	740	V	SW70349WC	334	V		
	02/24/93	SW70353WC	669	V	SW70352WC	520	V		
	03/12/93				SW70001JE	333	V		
	03/23/93	SW70005JE	726		SW70004JE	522			
	04/07/93	SW70010JE	603	V	SW70009JE	406	V		

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A = Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Filtered Metals CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION		STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION		STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION		
STRONTIUM (Filtered) (CRDL 200)											
	04/22/93	SW70013JE	718	V	SW70012JE	524	V				
	05/05/93	SW70022JE	717	V	SW70020JE	494	V				
	05/19/93	SW70029JE	431	V	SW70028JE	500	V				
	06/02/93	SW70047JE	632	V	SW70046JE	517	V				
	06/16/93	SW70051JE	703		SW70050JE	485					
	06/30/93	SW70076JE	770		SW70075JE	485					
	07/14/93	SW70080JE	767		SW70079JE	259					
	07/28/93	SW70093JE	748		SW70092JE	482					
	08/11/93	SW00103JE	753		SW00102JE	495					
	08/27/93	SW00106JE	779		SW00105JE	470					
	09/07/93							SW00107JE	409		
	09/08/93	SW00110JE	737		SW00109JE	406		SW00108JE	490		
	09/09/93							SW00111JE	631 00		V
	09/10/93							SW00112JE	663 00		V
	09/11/93							SW00113JE	677 00		V
	09/12/93							SW00114JE	711 00		V
	09/13/93							SW00115JE	65 40	B	V
	09/14/93							SW00116JE	475 00		
	09/15/93							SW00117JE	599 00		
	09/16/93							SW00118JE	684 00		
	09/17/93							SW00119JE	702 00		
	09/18/93							SW00120JE	346 00		
	09/19/93							SW00121JE	532 00		
	09/20/93							SW00122JE	639 00		
	09/21/93	SW00125JE	599 00		SW00124JE	540 00					

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A = Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Filtered Metals CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION
STRONTIUM (Filtered) (CRDL 200)											
	09/28/93	SW00128JE	827 00			SW00127JE	528 00				
THALLIUM (Filtered) (CRDL 10)	05/08/91	SW01161WC	1	UN	JA	SW01163WC	1 4	U	JA		
	06/20/91	SW01264WC	3	UW	R	SW01266WC	3	UW	R		
	08/07/91	SW01473WC	3	UI	JA	SW01475WC	1 6	U	V		
	09/17/91	SW01579WC	1 9	U	V	SW01581WC	2 2		JA		
	10/17/91					SW01687WC	1 9	U	V		
	10/21/91	SW01685WC	1 9	U	JA						
	01/27/92	SW01807WC	2	U	V	SW01809WC	2	U	V		
	04/06/92	SW70259WC	1	UW	V	SW70260WC	1 7	U	V		
	04/22/92	SW70266WC	2	U	V	SW70267WC	2	U	V		
	04/27/92	SW01889WC	1 6	U	V	SW01891WC	1 6	U	V		
	05/06/92	SW70271WC	1	UWN	JA	SW70272WC	2	U	JA		
	05/20/92	SW70285WC	2	U	JA	SW70286WC	2	U	JA		
	06/04/92	SW70290WC	1	U	V	SW70291WC	1	U	V		
	06/17/92	SW70293WC	1 6	U	V	SW70294WC	1 6	U	V		
	07/02/92	SW70296WC	1	U	V	SW70297WC	1	U	V		
	07/15/92					SW70300WC	1	U	JA		
	07/29/92	SW70302WC	3 8	U	JA	SW70303WC	3 8	UW	JA		
	08/12/92	SW70305WC	10	U	JA	SW70306WC	1 8	U	V		
	08/20/92	SW02012WC	1 8	U	V	SW02013WC	1 8	U	V		
	08/26/92	SW70310WC	3 8	U	V	SW70309WC	3 8	U	JA		
	09/08/92	SW70314WC	1 3	UW	V	SW70313WC	1 3	UW	V		
	09/22/92	SW70315WC	1 3	UW	R	SW70316WC	6 5	UW	R		
	10/07/92	SW70321WC	3 8	U	V	SW70320WC	3 8	U	V		
	10/21/92	SW70324WC	3 8	UI	JA	SW70323WC	3 8	U	JA		

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Filtered Metals CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION		
THALLIUM (Filtered) (CRDL 10)													
	11/06/92					SW70326WC	3 8	UI	JA				
	11/17/92					SW70329WC	3 8	UI	JA				
	12/03/92					SW70332WC	2 6	U	V				
	01/06/93					SW70340WC	2 6	U	V				
	01/13/93	SW70344WC	1	UWN	JA	SW70343WC	1	UWN	JA				
	01/27/93	SW70347WC	1 5	U	JA	SW70346WC	1 5	U	V				
	02/09/93	SW70350WC	1	UW	JA	SW70349WC	1	UW	JA				
	02/24/93	SW70353WC	1	U	V	SW70352WC	1	U	V				
	03/12/93					SW70001JE	1 6	U	V				
	03/23/93	SW70005JE	1	UW		SW70004JE	1	U					
	04/07/93	SW70010JE	1 7	U	V	SW70009JE	1 7	U	V				
	04/22/93	SW70013JE	1	U	JA	SW70012JE	1	U	JA				
	05/05/93	SW70022JE	1 7	U	JA	SW70020JE	1 7	U	JA				
	05/19/93	SW70029JE	1 7	U	JA	SW70028JE	1 7	U	JA				
	06/02/93	SW70047JE	1 7	U	JA	SW70046JE	1 7	U	V				
	06/16/93	SW70051JE	1 1	U		SW70050JE	1 1	U					
	06/30/93	SW70076JE	1 1	U		SW70075JE	1 1	U					
	07/14/93	SW70080JE	1 7	U		SW70079JE	1 7	U					
	07/28/93	SW70093JE	1 3	U		SW70092JE	1 3	U					
	08/11/93	SW00103JE	1 3	U		SW00102JE	1 3	U					
	08/27/93	SW00106JE	1	UWN		SW00105JE	1	UWN					
	09/07/93									SW00107JE	1	UWN	
	09/08/93	SW00110JE	1	UWN		SW00109JE	1	UWN		SW00108JE	1 7	BWN	
	09/09/93									SW00111JE	1 00	UWN	JA
	09/10/93									SW00112JE	1 00	UWN	JA

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Filtered Metals CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION		
THALLIUM (Filtered) (CRDL 10)													
	09/11/93									SW00113JE	1 00	UWN	JA
	09/12/93									SW00114JE	1 00	UWN	JA
	09/13/93									SW00115JE	1 00	UN	JA
	09/14/93									SW00116JE	1 00	U	
	09/15/93									SW00117JE	1 00	U	
	09/16/93									SW00118JE	1 00	U	
	09/17/93									SW00119JE	1 00	U	
	09/18/93									SW00120JE	1 00	U	
	09/19/93									SW00121JE	1 00	U	
	09/20/93									SW00122JE	1 00	U	
	09/21/93	SW00125JE	1 00	UW		SW00124JE	1 00	UW					
	09/28/93	SW00128JE	1 00	UW		SW00127JE	1 00	UW					
TIN (Filtered) (CRDL 200)	05/08/91	SW01161WC	18 6	B	V	SW01163WC	14 8	U	V				
	06/20/91	SW01264WC	13	U	JA	SW01266WC	13	U	JA				
	08/07/91	SW01473WC	13	U	R	SW01475WC	38 9	U	V				
	09/17/91	SW01579WC	10 4	U	V	SW01581WC	10 4	U	V				
	10/17/91					SW01687WC	10 4	U	V				
	10/21/91	SW01685WC	10 4	U	V								
	01/27/92	SW01807WC	14 2	U	V	SW01809WC	14 2	U	V				
	04/06/92	SW70259WC	23	U	V	SW70260WC	9 4	U	V				
	04/22/92	SW70266WC	9 4	U	V	SW70267WC	9 4	U	V				
	04/27/92	SW01889WC	9 4	U	V	SW01891WC	9 4	U	V				
	05/06/92	SW70271WC	23	U	V	SW70272WC	9 4	U	V				
	05/20/92	SW70285WC	9 4	U	V	SW70286WC	9 4	U	V				
	06/04/92	SW70290WC	23	U	V	SW70291WC	23	U	V				

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES. V Valid. A Acceptable. R Rejected. J Associated numerical value is an estimated value
*CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program, EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Filtered Metals CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION
TIN (Filtered) (CRDL 200)											
	06/17/92	SW70293WC	9 4	U	V	SW70294WC	9 4	U	V		
	07/02/92	SW70296WC	64 3	U	V	SW70297WC	64 3	U	V		
	07/15/92					SW70300WC	64 3	U	V		
	07/29/92	SW70302WC	12 5	U	V	SW70303WC	12 5	U	V		
	08/12/92	SW70305WC	200	U	V	SW70306WC	64		JA		
	08/20/92	SW02012WC	13 7	U	V	SW02013WC	13 7	U	V		
	08/26/92	SW70310WC	12 5	U	V	SW70309WC	12 5	U	V		
	09/08/92	SW70314WC	6 2	U	V	SW70313WC	6 2	U	V		
	09/22/92	SW70315WC	6 2	U	JA	SW70316WC	6 2	U	JA		
	10/07/92	SW70321WC	6 2	U	V	SW70320WC	6 2	U	V		
	10/21/92	SW70324WC	6 2	U	JA	SW70323WC	6 2	U	JA		
	11/06/92					SW70326WC	6 2	U	JA		
	11/17/92					SW70329WC	6 2	U	V		
	12/03/92					SW70332WC	6 2	U	V		
	01/06/93					SW70340WC	9 3	U	V		
	01/13/93	SW70344WC	13	U	V	SW70343WC	13	U	V		
	01/27/93	SW70347WC	16 7	U	V	SW70346WC	16 7	U	V		
	02/09/93	SW70350WC	13	U	V	SW70349WC	13	U	V		
	02/24/93	SW70353WC	17	B	V	SW70352WC	13	U	V		
	03/12/93					SW70001JE	16 7	U	V		
	03/23/93	SW70005JE	13	U		SW70004JE	13	U			
	04/07/93	SW70010JE	21 3		V	SW70009JE	21 2	U	V		
	04/22/93	SW70013JE	10	U	V	SW70012JE	10	U	V		
	05/05/93	SW70022JE	21 2	U	V	SW70020JE	21 2	U	V		
	05/19/93	SW70029JE	21 2	U	V	SW70028JE	21 2	U	V		

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Filtered Metals CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION		
TIN (Filtered) (CRDL 200)													
	06/02/93	SW70047JE	21 2	U	V	SW70046JE	21 2	U	V				
	06/16/93	SW70051JE	21 2	U		SW70050JE	21 2	U					
	06/30/93	SW70076JE	33			SW70075JE	29 9	U					
	07/14/93	SW70080JE	29 9	U		SW70079JE	29 9	U					
	07/28/93	SW70093JE	29 9	U		SW70092JE	29 9	U					
	08/11/93	SW00103JE	29 9	U		SW00102JE	29 9	U					
	08/27/93	SW00106JE	13	U		SW00105JE	13	U					
	09/07/93									SW00107JE	13	U	
	09/08/93	SW00110JE	13	U		SW00109JE	13	U		SW00108JE	13	U	
	09/09/93									SW00111JE	13 00	U	V
	09/10/93									SW00112JE	13 00	U	V
	09/11/93									SW00113JE	14 10	B	JA
	09/12/93									SW00114JE	13 00	U	V
	09/13/93									SW00115JE	13 00	U	V
	09/14/93									SW00116JE	13 00	U	
	09/15/93									SW00117JE	13 00	U	
	09/16/93									SW00118JE	13 00	U	
	09/17/93									SW00119JE	13 00	U	
	09/18/93									SW00120JE	13 00	U	
	09/19/93									SW00121JE	13 00	U	
	09/20/93									SW00122JE	13 00	U	
	09/21/93	SW00125JE	13 00	U		SW00124JE	13 00	U					
	09/28/93	SW00128JE	13 00	U		SW00127JE	13 00	U					
VANADIUM (Filtered) (CRDL 50)	05/08/91	SW01161WC	2 6	B	V	SW01163WC	5 7	U	V				
	06/20/91	SW01264WC	3		JA	SW01266WC	3 6		JA				

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits * duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value
*CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Filtered Metals CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION
VANADIUM (Filtered) (CRDL 50)											
	08/07/91	SW01473WC	3	U	V	SW01475WC	6 5	U	V		
	09/17/91	SW01579WC	4 2		JA	SW01581WC	2 3	U	V		
	10/17/91					SW01687WC	2 3	U	V		
	10/21/91	SW01685WC	2 6		JA						
	01/27/92	SW01807WC	4 7	U	V	SW01809WC	4 7	U	V		
	04/06/92	SW70259WC	10 5	U	JA	SW70260WC	3 5	U	V		
	04/22/92	SW70266WC	3 5	U	V	SW70267WC	3 5	U	V		
	04/27/92	SW01889WC	3 5	U	V	SW01891WC	3 5	U	V		
	05/06/92	SW70271WC	7 2	U	JA	SW70272WC	3 5	U	V		
	05/20/92	SW70285WC	3 5	U	V	SW70286WC	3 5	U	V		
	06/04/92	SW70290WC	8 4	B	V	SW70291WC	7 3	B	V		
	06/17/92	SW70293WC	3 9		JA	SW70294WC	3 5	U	V		
	07/02/92	SW70296WC	3 8	U	V	SW70297WC	4 1	U	JA		
	07/15/92					SW70300WC	3 8	U	JA		
	07/29/92	SW70302WC	3 3	U	V	SW70303WC	3 3	U	V		
	08/12/92	SW70305WC	50	U	V	SW70306WC	3		V		
	08/20/92	SW02012WC	2 9	U	V	SW02013WC	2 9	U	V		
	08/26/92	SW70310WC	3 3	U	V	SW70309WC	3 3	U	V		
	09/08/92	SW70314WC	2 5	U	V	SW70313WC	2 5	U	V		
	09/22/92	SW70315WC	2 5	U	JA	SW70316WC	3 7		JA		
	10/07/92	SW70321WC	2 5	U	V	SW70320WC	2 5	U	V		
	10/21/92	SW70324WC	2 5	U	JA	SW70323WC	2 5	U	JA		
	11/06/92					SW70326WC	2 5	U	JA		
	11/17/92					SW70329WC	2 5	U	V		
	12/03/92					SW70332WC	2 5	U	V		

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits * duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value
*CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Filtered Metals CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION		
VANADIUM (Filtered) (CRDL 50)													
	01/06/93					SW70340WC	2 8		V				
	01/13/93	SW70344WC	7	B	V	SW70343WC	5	U	V				
	01/27/93	SW70347WC	3 2	U	V	SW70346WC	3 2	U	V				
	02/09/93	SW70350WC	5	U	V	SW70349WC	11 4	B	V				
	02/24/93	SW70353WC	5	U	V	SW70352WC	5	U	V				
	03/12/93					SW70001JE	3 2	U	V				
	03/23/93	SW70005JE	5	U		SW70004JE	5	U					
	04/07/93	SW70010JE	5 0	U	V	SW70009JE	5 0	U	V				
	04/22/93	SW70013JE	2	U	V	SW70012JE	2	U	V				
	05/05/93	SW70022JE	5	U	V	SW70020JE	5	U	V				
	05/19/93	SW70029JE	5	U	V	SW70028JE	5	U	V				
	06/02/93	SW70047JE	5	U	V	SW70046JE	5	U	V				
	06/16/93	SW70051JE	5	U		SW70050JE	5	U					
	06/30/93	SW70076JE	4 1			SW70075JE	3 1	U					
	07/14/93	SW70080JE	3 1	U		SW70079JE	3 1	U					
	07/28/93	SW70093JE	3 4			SW70092JE	3 1	U					
	08/11/93	SW00103JE	3 1	U		SW00102JE	3 1	U					
	08/27/93	SW00106JE	14	U		SW00105JE	14	U					
	09/07/93									SW00107JE	14	U	
	09/08/93	SW00110JE	14	U		SW00109JE	14	U		SW00108JE	14	U	
	09/09/93									SW00111JE	14 00	U	V
	09/10/93									SW00112JE	14 00	U	V
	09/11/93									SW00113JE	14 00	U	V
	09/12/93									SW00114JE	14 00	U	V
	09/13/93									SW00115JE	14 00	U	V

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Filtered Metals CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	
VANADIUM (Filtered) (CRDL 50)												
	09/14/93									SW00116JE	14 00	U
	09/15/93									SW00117JE	14 00	U
	09/16/93									SW00118JE	14 00	U
	09/17/93									SW00119JE	14 00	U
	09/18/93									SW00120JE	21 30	B
	09/19/93									SW00121JE	14 00	U
	09/20/93									SW00122JE	14 00	U
	09/21/93	SW00125JE	14 00	U		SW00124JE	14 00	U				
	09/28/93	SW00128JE	14 00	U		SW00127JE	14 00	U				
ZINC (Filtered) (CRDL 20)	05/08/91	SW01161WC	164	E	JA	SW01163WC	1 8	U	JA			
	06/20/91	SW01264WC	380		V	SW01266WC	240		V			
	08/07/91	SW01473WC	49		V	SW01475WC	7 2	U	V			
	09/17/91	SW01579WC	198		V	SW01581WC	8 9		JA			
	10/17/91					SW01687WC	4 3	U	V			
	10/21/91	SW01685WC	226		V							
	01/27/92	SW01807WC	177		V	SW01809WC	4 6		JA			
	04/06/92	SW70259WC	263		V	SW70260WC	1 7	U	V			
	04/22/92	SW70266WC	203		V	SW70267WC	3		JA			
	04/27/92	SW01889WC	230		V	SW01891WC	1 7	U	V			
	05/06/92	SW70271WC	180		V	SW70272WC	1 7	U	JA			
	05/20/92	SW70285WC	198		V	SW70286WC	1 7	U	JA			
	06/04/92	SW70290WC	180	E	JA	SW70291WC	5 3	U	JA			
	06/17/92	SW70293WC	179		V	SW70294WC	4 6		JA			
	07/02/92	SW70296WC	240		V	SW70297WC	8 3	U	JA			
	07/15/92					SW70300WC	8 3	U	JA			

QUALIFIER CODES U Analyzed but not detected B = Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES = Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Filtered Metals CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION		STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION
ZINC (Filtered) (CRDL 20)										
	07/29/92	SW70302WC	254	V	SW70303WC	10 9		V		
	08/12/92	SW70305WC	244	V	SW70306WC	2 9	U	V		
	08/20/92	SW02012WC	187	V	SW02013WC	60 4		V		
	08/26/92	SW70310WC	31 5	V	SW70309WC	10 1	U	V		
	09/08/92	SW70314WC	207	V	SW70313WC	5 7	U	V		
	09/22/92	SW70315WC	149	JA	SW70316WC	5 7	U	JA		
	10/07/92	SW70321WC	22	JA	SW70320WC	147		V		
	10/21/92	SW70324WC	136	JA	SW70323WC	20 3		JA		
	11/06/92				SW70326WC	5 7	U	JA		
	11/17/92				SW70329WC	17 8		JA		
	12/03/92				SW70332WC	7 5		V		
	01/06/93				SW70340WC	4 7	U	V		
	01/13/93	SW70344WC	228	V	SW70343WC	33 3		V		
	01/27/93	SW70347WC	133	V	SW70346WC	4 8		V		
	02/09/93	SW70350WC	176	V	SW70349WC	49 5		JA		
	02/24/93	SW70353WC	66	V	SW70352WC	14 2	U	JA		
	03/12/93				SW70001JE	10 8		JA		
	03/23/93	SW70005JE	112		SW70004JE	5 2	B			
	04/07/93	SW70010JE	79 4	V	SW70009JE	6 5		JA		
	04/22/93	SW70013JE	110	V	SW70012JE	224		V		
	05/05/93	SW70022JE	153	V	SW70020JE	6 9		JA		
	05/19/93	SW70029JE	70 4	V	SW70028JE	8 3		JA		
	06/02/93	SW70047JE	81 2	V	SW70046JE	3 9	U	V		
	06/16/93	SW70051JE	114		SW70050JE	3 9	U			
	06/30/93	SW70076JE	138		SW70075JE	2 5	U			

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W = Post digestion spike out of control limits = duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Filtered Metals CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION		
ZINC (Filtered) (CRDL 20)													
	07/14/93	SW70080JE	95 7			SW70079JE	11 3						
	07/28/93	SW70093JE	84 2			SW70092JE	6 1						
	08/11/93	SW00103JE	73 3			SW00102JE	3 5						
	08/27/93	SW00106JE	64 8			SW00105JE	7 2	B					
	09/07/93									SW00107JE	7 9	B	
	09/08/93	SW00110JE	85 9			SW00109JE	5 3	B		SW00108JE	8 2	B	
	09/09/93									SW00111JE	20 30		JA
	09/10/93									SW00112JE	3 00	U	R
	09/11/93									SW00113JE	3 00	U	R
	09/12/93									SW00114JE	3 00	U	JA
	09/13/93									SW00115JE	14 70	B	JA
	09/14/93									SW00116JE	11 60	B	
	09/15/93									SW00117JE	3 00	U	
	09/16/93									SW00118JE	6 50	B	
	09/17/93									SW00119JE	3 00	U	
	09/18/93									SW00120JE	3 00	U	
	09/19/93									SW00121JE	3 00	U	
	09/20/93									SW00122JE	3 00	U	
	09/21/93	SW00125JE	34 20			SW00124JE	8 30	B					
	09/28/93	SW00128JE	110 00			SW00127JE	11 30	B					

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES = Missing
VALIDATION CODES V = Valid A = Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Total Metals CLP & Non CLP
(Concentration Units ug/l)

\LYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION
MINUM (Total)(CRDL 200)	05/08/91	SW01161WC	603		V	SW01163WC	108	U	V		
	06/20/91	SW01264WC	1900		V	SW01266WC	220		V		
	08/07/91	SW01473WC	1000		V	SW01475WC	45 1		JA		
	09/17/91	SW01579WC	66 2		JA	SW01581WC	27 2		V		
	10/17/91					SW01687WC	88 6				
	10/21/91	SW01685WC	1130		V						
	01/27/92	SW01807WC	3780		JA	SW01809WC	971		JA		
	04/06/92	SW70259WC	268		V	SW70260WC	63 7		JA		
	04/22/92	SW70266WC	1350		V	SW70267WC	29 2	U	V		
	04/27/92	SW01889WC	219		JA	SW01891WC	43 4		JA		
	05/06/92	SW70271WC	841		V	SW70272WC	29 2	U	V		
	05/20/92	SW70285WC	934		V	SW70286WC	154		JA		
	06/04/92	SW70290WC	1090			SW70291WC	64 2	U	JA		
	06/17/92	SW70293WC	556		V	SW70294WC	29 2	U	V		
	07/02/92	SW70296WC	533		V	SW70297WC	61 8	U	JA		
	07/15/92					SW70300WC	85	B	V		
	07/29/92	SW70302WC	1220	E	JA	SW70303WC	759	E	JA		
	08/12/92	SW70305WC	18	U	V	SW70306WC	58 9		JA		
	08/20/92	SW02012WC	22		JA	SW02013WC	139		JA		
	08/26/92	SW70310WC	48 2		JA	SW70309WC	66 9		JA		
	09/08/92	SW70314WC	39 8		JA	SW70313WC	120		V		
	09/22/92	SW70315WC	94 2		JA	SW70316WC	88 6		JA		
	10/07/92	SW70321WC	256		V	SW70320WC	700		V		
	10/21/92	SW70324WC	190		JA	SW70323WC	1100		JA		
	11/06/92					SW70326WC	842		JA		
	11/17/92					SW70329WC	280		V		

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES = Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Wate

Total Metals CLP & Non CLP
(Concentration Units ug/l)

LYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION		
MINUM (Total)(CRDL 200)													
	12/03/92					SW70332WC	228		V				
	01/06/93					SW70340WC	127		JA				
	01/13/93	SW70344WC	18	U	V	SW70343WC	196	B	V				
	01/27/93	SW70347WC	701		V	SW70346WC	692		V				
	02/09/93	SW70350WC	3950		V	SW70349WC	265		V				
	02/24/93	SW70353WC	467		V	SW70352WC	891		V				
	03/12/93					SW70001JE	5070		V				
	03/23/93	SW70005JE	375		V	SW70004JE	48 9	B	V				
	04/07/93	SW70010JE	124		JA	SW70009JE	356		JA				
	04/22/93	SW70013JE	89 60	B	JA	SW70012JE	93 30	B	JA				
	05/05/93	SW70022JE	81 9		JA	SW70020JE	132		JA				
	05/19/93	SW70029JE	2320		V	SW70028JE	168		JA				
	06/02/93	SW70047JE	345		V	SW70046JE	30		JA				
	06/16/93	SW70051JE	172		JA	SW70050JE	82 3		JA				
	06/30/93	SW70076JE	41 8			SW70075JE	189						
	07/14/93	SW70080JE	48			SW70079JE	633						
	07/28/93	SW70093JE	27 5	U	V	SW70092JE	126		JA				
	08/11/93	SW00103JE	27 5	U		SW00102JE	27 5	U					
	08/27/93	SW00106JE	48 00	B	JA	SW00105JE	104 00	B	JA				
	09/07/93									SW00107JE	466 00		V
	09/08/93	SW00110JE	17 40	B	JA	SW00109JE	211 00		V	SW00108JE	93 60	B	JA
	09/09/93									SW00111JE	15 00	U	R
	09/10/93									SW00112JE	97 40	B	JA
	09/11/93									SW00113JE	36 40	B	JA
	09/12/93									SW00114JE	27 50	B	JA
	09/13/93									SW00115JE	2740 00		V

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Total Metals CLP & Non CLP
(Concentration Units ug/l)

ALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	
MINUM (Total)(CRDL 200)												
	09/14/93									SW00116JE	121 00	B
	09/15/93									SW00117JE	59 70	B
	09/16/93									SW00118JE	15 00	U
	09/17/93									SW00119JE	34 70	B
	09/18/93									SW00120JE	874 00	
	09/19/93									SW00121JE	52 20	B
	09/20/93									SW00122JE	17 00	B
	09/21/93	SW00125JE	342 00			SW00124JE	74 80	B				
	09/28/93	SW00128JE	94 20	B		SW00127JE	64 40	B				
TIMONY (Total)(CRDL 60)	05/08/91	SW01161WC	10	B	V	SW01163WC	37 2		JA			
	06/20/91	SW01264WC	11	U	V	SW01266WC	11	U	V			
	08/07/91	SW01473WC	11	U	V	SW01475WC	42 2	U	V			
	09/17/91	SW01579WC	18		JA	SW01581WC	13 8	U	V			
	10/17/91					SW01687WC	13 8	U	V			
	10/21/91	SW01685WC	13 8	U	V							
	01/27/92	SW01807WC	16 7		V	SW01809WC	13 5	U	V			
	04/06/92	SW70259WC	18	U	V	SW70260WC	19 8	U	V			
	04/22/92	SW70266WC	19 8	U	V	SW70267WC	19 8	U	V			
	04/27/92	SW01889WC	19 8	U	V	SW01891WC	19 8	U	V			
	05/06/92	SW70271WC	18	U	V	SW70272WC	19 8	U	V			
	05/20/92	SW70285WC	19 8	U	V	SW70286WC	19 8	U	V			
	06/04/92	SW70290WC	18	U	V	SW70291WC	18	U	V			
	06/17/92	SW70293WC	19 8	U	V	SW70294WC	19 8	U	V			
	07/02/92	SW70296WC	49 3	U	V	SW70297WC	49 3	U	V			
	07/15/92					SW70300WC	49 3	U	JA			
	07/29/92	SW70302WC	16 5	U	V	SW70303WC	16 5	U	V			

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated alue
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Total Metals CLP & Non CLP
(Concentration Units ug/l)

LYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION
IMONY (Total)(CRDL 60)											
	08/12/92	SW70305WC	17	U	V	SW70306WC	29		JA		
	08/20/92	SW02012WC	39 7		JA	SW02013WC	37 4		JA		
	08/26/92	SW70310WC	16 5	U	JA	SW70309WC	16 5	U	JA		
	09/08/92	SW70314WC	14 8	U	V	SW70313WC	14 8	U	V		
	09/22/92	SW70315WC	14 8	U	JA	SW70316WC	14 8	U	JA		
	10/07/92	SW70321WC	14 8	U	V	SW70320WC	14 8	U	V		
	10/21/92	SW70324WC	14 8	U	JA	SW70323WC	14 8	U	JA		
	11/06/92					SW70326WC	14 8	U	JA		
	11/17/92					SW70329WC	14 8	U	V		
	12/03/92					SW70332WC	14 8	U	V		
	01/06/93					SW70340WC	18 4	U	V		
	01/13/93	SW70344WC	23	U	V	SW70343WC	23	U	V		
	01/27/93	SW70347WC	19 7	U	V	SW70346WC	19 7	U	V		
	02/09/93	SW70350WC	23	U	V	SW70349WC	23	U	V		
	02/24/93	SW70353WC	23	U	V	SW70352WC	23	U	V		
	03/12/93					SW70001JE	19 7	U	V		
	03/23/93	SW70005JE	23	U	V	SW70004JE	23	U	V		
	04/07/93	SW70010JE	34	U	V	SW70009JE	34	U	V		
	04/22/93	SW70013JE	13 00	U	V	SW70012JE	13 00	U	V		
	05/05/93	SW70022JE	34	U	V	SW70020JE	34	U	V		
	05/19/93	SW70029JE	34	U	V	SW70028JE	34	U	V		
	06/02/93	SW70047JE	34	U	V	SW70046JE	34	U	V		
	06/16/93	SW70051JE	34 0	U	V	SW70050JE	34 0	U	V		
	06/30/93	SW70076JE	46 8			SW70075JE	35 9				
	07/14/93	SW70080JE	31 2	U		SW70079JE	31 2	U			
	07/28/93	SW70093JE	31 2	U	JA	SW70092JE	31 2	U	JA		

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits = duplicate analysis outside control limits
S = Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES· V = Valid A = Acceptable R = Rejected. J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Total Metals CLP & Non CLP
(Concentration Units ug/l)

ALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION		
TIMONY (Total)(CRDL 60)													
	08/11/93	SW00103JE	31 2	U		SW00102JE	31 2	U					
	08/27/93	SW00106JE	17 00	U	V	SW00105JE	17 00	U	V				
	09/07/93									SW00107JE	17 00	U	V
	09/08/93	SW00110JE	17 00	U	V	SW00109JE	17 00	U	V	SW00108JE	17 00	U	V
	09/09/93									SW00111JE	17 00	U	V
	09/10/93									SW00112JE	17 00	U	V
	09/11/93									SW00113JE	17 00	U	V
	09/12/93									SW00114JE	17 00	U	V
	09/13/93									SW00115JE	17 00	U	V
	09/14/93									SW00116JE	18 50	B	
	09/15/93									SW00117JE	17 00	U	
	09/16/93									SW00118JE	17 00	U	
	09/17/93									SW00119JE	18 50	B	
	09/18/93									SW00120JE	19 80	B	
	09/19/93									SW00121JE	17 20	B	
	09/20/93									SW00122JE	17 00	U	
	09/21/93	SW00125JE	17 00	U		SW00124JE	17 00	U					
	09/28/93	SW00128JE	17 00	U		SW00127JE	17 00	U					
ENIC (Total)(CRDL 10)	05/08/91	SW01161WC	2	U	V	SW01163WC	9	U	JA				
	06/20/91	SW01264WC	2	UW	V	SW01266WC	2	UW	V				
	08/07/91	SW01473WC	4	U	V	SW01475WC	7	U	JA				
	09/17/91	SW01579WC	7	U	JA	SW01581WC	7	U	V				
	10/17/91					SW01687WC	1 1	U	V				
	10/21/91	SW01685WC	1 1	U	JA								
	01/27/92	SW01807WC	4 3		JA	SW01809WC	1 3	U	V				
	04/06/92	SW70259WC	2	U	V	SW70260WC	8	U	JA				

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J = Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Total Metals CLP & Non CLP
(Concentration Units ug/l)

LYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION
ENIC (Total)(CRDL 10)											
	04/22/92	SW70266WC	1 3		JA	SW70267WC	8	U	JA		
	04/27/92	SW01889WC	8	U	V	SW01891WC	8	U	V		
	05/06/92	SW70271WC	1	U	V	SW70272WC	1 7	U	V		
	05/20/92	SW70285WC	1 7	U	V	SW70286WC	1 7	U	V		
	06/04/92	SW70290WC	1 3	B	V	SW70291WC	1 1	B	V		
	06/17/92	SW70293WC	7	U	R	SW70294WC	7	U	JA		
	07/02/92	SW70296WC	2	U	V	SW70297WC	2	U	V		
	07/15/92					SW70300WC	2	U	V		
	07/29/92	SW70302WC	2 2	U	V	SW70303WC	2 2	U	V		
	08/12/92	SW70305WC	2	U	V	SW70306WC	5	U	JA		
	08/20/92	SW02012WC	5	U	R	SW02013WC	5	U	JA		
	08/26/92	SW70310WC	1 9	U	V	SW70309WC	1 9	U	V		
	09/08/92	SW70314WC	3 2	U	V	SW70313WC	3 2	U	V		
	09/22/92	SW70315WC	1 9	U	JA	SW70316WC	1 9	U	JA		
	10/07/92	SW70321WC	3 2	U	V	SW70320WC	3 2	U	V		
	10/21/92	SW70324WC	1 9	UI	JA	SW70323WC	1 9	U	R		
	11/06/92					SW70326WC	1 9	U	JA		
	11/17/92					SW70329WC	1 9	U	V		
	12/03/92					SW70332WC	3 9	UI	JA		
	01/06/93					SW70340WC	2 6	U	V		
	01/13/93	SW70344WC	1	U	V	SW70343WC	1	U	V		
	01/27/93	SW70347WC	1 4	U	JA	SW70346WC	1 4	U	JA		
	02/09/93	SW70350WC	1	U	V	SW70349WC	1	U	V		
	02/24/93	SW70353WC	1 1	B	V	SW70352WC	1 4	B	V		
	03/12/93					SW70001JE	1 4	U	JA		
	03/23/93	SW70005JE	1	U	V	SW70004JE	1	U	V		

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES. V = Valid. A Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Total Metals CLP & Non CLP
(Concentration Units ug/l)

ILYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION		
ENIC (Total)(CRDL 10)													
	04/07/93	SW70010JE	1 2	U	JA	SW70009JE	1 2	U	R				
	04/22/93	SW70013JE	1 00	U	V	SW70012JE	1 00	U	V				
	05/05/93	SW70022JE	1 4	U	V	SW70020JE	1 4	U	V				
	05/19/93	SW70029JE	1 4	U	V	SW70028JE	1 4	U	V				
	06/02/93	SW70047JE	1 2	U	JA	SW70046JE	1 2	U	JA				
	06/16/93	SW70051JE	1 4	U	V	SW70050JE	1 4	U	V				
	06/30/93	SW70076JE	1 4	U		SW70075JE	1 4	U					
	07/14/93	SW70080JE	1 6	U		SW70079JE	1 6	U					
	07/28/93	SW70093JE	1 4	U	V	SW70092JE	1 4	U	V				
	08/11/93	SW00103JE	1 4	U		SW00102JE	1 4	U					
	08/27/93	SW00106JE	1 20	B	JA	SW00105JE	1 00	U	V				
	09/07/93									SW00107JE	2 60	B	V
	09/08/93	SW00110JE	1 00	U	V	SW00109JE	1 00	B	V	SW00108JE	2 50	B	V
	09/09/93									SW00111JE	2 10	B	V
	09/10/93									SW00112JE	1 80	B	V
	09/11/93									SW00113JE	1 40	B	V
	09/12/93									SW00114JE	1 70	B	V
	09/13/93									SW00115JE	3 00	B	V
	09/14/93									SW00116JE	2 90	B	
	09/15/93									SW00117JE	3 40	B	
	09/16/93									SW00118JE	2 10	B	
	09/17/93									SW00119JE	1 80	B	
	09/18/93									SW00120JE	4 70	B	
	09/19/93									SW00121JE	1 70	B	
	09/20/93									SW00122JE	1 80	B	
	09/21/93	SW00125JE	1 00	U		SW00124JE	1 10	B					

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES· V = Valid A = Acceptable R = Rejected. J Associated numerical value is an estimated value.
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Total Metals CLP & Non CLP
(Concentration Units ug/l)

LYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION
ENIC (Total)(CRDL 10)											
	09/28/93	SW00128JE	1 00	U		SW00127JE	1 00	U			
IUM (Total)(CRDL 200)	05/08/91	SW01161WC	160	B	V	SW01163WC	151		V		
	06/20/91	SW01264WC	210		V	SW01266WC	170		V		
	08/07/91	SW01473WC	86		V	SW01475WC	110		V		
	09/17/91	SW01579WC	209		V	SW01581WC	153		V		
	10/17/91					SW01687WC	153		V		
	10/21/91	SW01685WC	194		V						
	01/27/92	SW01807WC	203		V	SW01809WC	180		V		
	04/06/92	SW70259WC	188	B	V	SW70260WC	160		V		
	04/22/92	SW70266WC	184		V	SW70267WC	168		V		
	04/27/92	SW01889WC	168		V	SW01891WC	166		V		
	05/06/92	SW70271WC	187	BE	JA	SW70272WC	180		V		
	05/20/92	SW70285WC	192		V	SW70286WC	176		V		
	06/04/92	SW70290WC	181	B	V	SW70291WC	150	B	V		
	06/17/92	SW70293WC	169		V	SW70294WC	170		V		
	07/02/92	SW70296WC	202		V	SW70297WC	169	B	V		
	07/15/92					SW70300WC	171	B	V		
	07/29/92	SW70302WC	200		V	SW70303WC	175		V		
	08/12/92	SW70305WC	186	U	V	SW70306WC	164		V		
	08/20/92	SW02012WC	166		V	SW02013WC	142		V		
	08/26/92	SW70310WC	84 6		V	SW70309WC	127		V		
	09/08/92	SW70314WC	180		V	SW70313WC	168		V		
	09/22/92	SW70315WC	163		JA	SW70316WC	164		JA		
	10/07/92	SW70321WC	161		V	SW70320WC	160		V		
	10/21/92	SW70324WC	169		JA	SW70323WC	129		JA		
	11/06/92					SW70326WC	160		JA		

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES = Missing
VALIDATION CODES V = Valid A Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol, ER Program, EG&G Rocky Flats, February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Total Metals CLP & Non CLP
(Concentration Units ug/l)

ALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION		
IUM (Total)(CRDL 200)													
	11/17/92					SW70329WC	151		V				
	12/03/92					SW70332WC	155		V				
	01/06/93					SW70340WC	150		V				
	01/13/93	SW70344WC	154	B	V	SW70343WC	188	B	V				
	01/27/93	SW70347WC	184		V	SW70346WC	147		V				
	02/09/93	SW70350WC	211		V	SW70349WC	122	B	V				
	02/24/93	SW70353WC	168	B	V	SW70352WC	168	B	V				
	03/12/93					SW70001JE	135		V				
	03/23/93	SW70005JE	170	B	V	SW70004JE	173	B	V				
	04/07/93	SW70010JE	149		V	SW70009JE	136		V				
	04/22/93	SW70013JE	170 00	B	V	SW70012JE	180 00	B	V				
	05/05/93	SW70022JE	180		V	SW70020JE	177		V				
	05/19/93	SW70029JE	124		V	SW70028JE	166		V				
	06/02/93	SW70047JE	152		V	SW70046JE	160		V				
	06/16/93	SW70051JE	170		V	SW70050JE	168		V				
	06/30/93	SW70076JE	175			SW70075JE	167						
	07/14/93	SW70080JE	174			SW70079JE	94 3						
	07/28/93	SW70093JE	166		V	SW70092JE	177		V				
	08/11/93	SW00103JE	165			SW00102JE	159						
	08/27/93	SW00106JE	179 00	B	V	SW00105JE	58 00	B	V				
	09/07/93									SW00107JE	93 80	B	V
	09/08/93	SW00110JE	165 00	B	V	SW00109JE	139 00	B	V	SW00108JE	105 00	B	V
	09/09/93									SW00111JE	119 00	B	V
	09/10/93									SW00112JE	118 00	B	V
	09/11/93									SW00113JE	125 00	B	V
	09/12/93									SW00114JE	129 00	B	V

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but g eater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Total Metals CLP & Non CLP
(Concentration Units ug/l)

LYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION		
IUM (Total)(CRDL 200)													
	09/13/93									SW00115JE	46 20	B	V
	09/14/93									SW00116JE	94 20	B	
	09/15/93									SW00117JE	113 00	B	
	09/16/93									SW00118JE	124 00	B	
	09/17/93									SW00119JE	128 00	B	
	09/18/93									SW00120JE	87 00	B	
	09/19/93									SW00121JE	111 00	B	
	09/20/93									SW00122JE	122 00	B	
	09/21/93	SW00125JE	128 00	B		SW00124JE	174 00	B					
	09/28/93	SW00128JE	175 00	B		SW00127JE	167 00	B					
YLLIUM (Total)(CRDL 5)	05/08/91	SW01161WC	1	U	V	SW01163WC	5	U	V				
	06/20/91	SW01264WC	1	U	V	SW01266WC	1	U	V				
	08/07/91	SW01473WC	1	U	V	SW01475WC	6	U	V				
	09/17/91	SW01579WC	8		JA	SW01581WC	5	U	V				
	10/17/91					SW01687WC	5	U	V				
	10/21/91	SW01685WC	5	U	V								
	01/27/92	SW01807WC	8	U	V	SW01809WC	1 3		JA				
	04/06/92	SW70259WC	1	U	V	SW70260WC	6	U	V				
	04/22/92	SW70266WC	6	U	V	SW70267WC	6	U	V				
	04/27/92	SW01889WC	6	U	V	SW01891WC	6	U	V				
	05/06/92	SW70271WC	1	U	V	SW70272WC	6	U	V				
	05/20/92	SW70285WC	6	U	V	SW70286WC	6	U	V				
	06/04/92	SW70290WC	1	U	V	SW70291WC	1	U	V				
	06/17/92	SW70293WC	6	U	JA	SW70294WC	6	U	JA				
	07/02/92	SW70296WC	2 7	U	JA	SW70297WC	1 1	U	V				
	07/15/92					SW70300WC	1 1	U	V				

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A = Acceptable R = Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Total Metals CLP & Non CLP
(Concentration Units ug/l)

ALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION
YLLIUM (Total)(CRDL 5)											
	07/29/92	SW70302WC	4	U	V	SW70303WC	4	U	V		
	08/12/92	SW70305WC	1	U	V	SW70306WC	6	U	V		
	08/20/92	SW02012WC	6	U	V	SW02013WC	1 8		JA		
	08/26/92	SW70310WC	4	U	V	SW70309WC	4	U	V		
	09/08/92	SW70314WC	3	U	V	SW70313WC	3	U	V		
	09/22/92	SW70315WC	3	U	JA	SW70316WC	3	U	JA		
	10/07/92	SW70321WC	3	U	V	SW70320WC	3	U	V		
	10/21/92	SW70324WC	3	U	JA	SW70323WC	36		JA		
	11/06/92					SW70326WC	3	U	JA		
	11/17/92					SW70329WC	3	U	V		
	12/03/92					SW70332WC	3	U	V		
	01/06/93					SW70340WC	5	U	V		
	01/13/93	SW70344WC	1	U	V	SW70343WC	1	U	V		
	01/27/93	SW70347WC	9	U	V	SW70346WC	9	U	V		
	02/09/93	SW70350WC	1	U	V	SW70349WC	1	U	V		
	02/24/93	SW70353WC	1	U	V	SW70352WC	1	U	V		
	03/12/93					SW70001JE	9	U	V		
	03/23/93	SW70005JE	1	U	V	SW70004JE	1	U	V		
	04/07/93	SW70010JE	1 2		JA	SW70009JE	9		JA		
	04/22/93	SW70013JE	1 00	U	V	SW70012JE	1 00	U	V		
	05/05/93	SW70022JE	8	U	V	SW70020JE	8	U	V		
	05/19/93	SW70029JE	8	U	V	SW70028JE	8	U	V		
	06/02/93	SW70047JE	8	U	V	SW70046JE	8	U	V		
	06/16/93	SW70051JE	0 80	U	V	SW70050JE	0 80	U	V		
	06/30/93	SW70076JE	7	U		SW70075JE	7	U			
	07/14/93	SW70080JE	7	U		SW70079JE	7	U			

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but g eater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Wate

Total Metals CLP & Non CLP
(Concentration Units ug/l)

LYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION		
YLLIUM (Total)(CRDL 5)													
	07/28/93	SW70093JE	0 70	U	V	SW70092JE	0 70	U	V				
	08/11/93	SW00103JE	0 70	U		SW00102JE	0 70	U					
	08/27/93	SW00106JE	1 00	U	V	SW00105JE	1 00	U	V				
	09/07/93									SW00107JE	1 00	U	V
	09/08/93	SW00110JE	1 00	U	V	SW00109JE	1 00	U	V	SW00108JE	1 00	U	V
	09/09/93									SW00111JE	1 00	U	V
	09/10/93									SW00112JE	1 00	U	V
	09/11/93									SW00113JE	1 00	U	V
	09/12/93									SW00114JE	1 00	U	V
	09/13/93									SW00115JE	1 00	U	V
	09/14/93									SW00116JE	1 00	U	
	09/15/93									SW00117JE	1 00	U	
	09/16/93									SW00118JE	1 00	U	
	09/17/93									SW00119JE	1 00	U	
	09/18/93									SW00120JE	1 00	U	
	09/19/93									SW00121JE	1 00	U	
	09/20/93									SW00122JE	1 00	U	
	09/21/93	SW00125JE	1 00	U		SW00124JE	1 00	U					
	09/28/93	SW00128JE	1 00	U		SW00127JE	1 00	U					
MIUM (Total)(CRDL 5)	05/08/91	SW01161WC	2	U	V	SW01163WC	3 3	U	JA				
	06/20/91	SW01264WC	1	U	V	SW01266WC	1	U	V				
	08/07/91	SW01473WC	2	U	V	SW01475WC	4 6	U	V				
	09/17/91	SW01579WC	2 4	U	V	SW01581WC	2 4	U	V				
	10/17/91					SW01687WC	2 4	U	JA				
	10/21/91	SW01685WC	2 4	U	JA								
	01/27/92	SW01807WC	2 8	U	JA	SW01809WC	2 8	U	JA				

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Total Metals CLP & Non CLP
(Concentration Units ug/l)

ALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION
MIUM (Total)(CRDL 5)											
	04/06/92	SW70259WC	2	U	V	SW70260WC	2 3	U	JA		
	04/22/92	SW70266WC	2 3	U	V	SW70267WC	2 3	U	V		
	04/27/92	SW01889WC	2 3	U	V	SW01891WC	2 3	U	V		
	05/06/92	SW70271WC	2	U	JA	SW70272WC	2 3	U	V		
	05/20/92	SW70285WC	2 3	U	V	SW70286WC	2 3	U	V		
	06/04/92	SW70290WC	2	U	V	SW70291WC	2	U	V		
	06/17/92	SW70293WC	2 3	U	V	SW70294WC	2 3	U	V		
	07/02/92	SW70296WC	4 4	U	V	SW70297WC	4 4	U	V		
	07/15/92					SW70300WC	4 4	U	JA		
	07/29/92	SW70302WC	1 4	U	V	SW70303WC	1 4	U	V		
	08/12/92	SW70305WC	2	U	V	SW70306WC	3 1	U	V		
	08/20/92	SW02012WC	3 1	U	V	SW02013WC	3 1	U	V		
	08/26/92	SW70310WC	1 4	U	V	SW70309WC	1 4	U	V		
	09/08/92	SW70314WC	1 5	U	V	SW70313WC	1 5	U	V		
	09/22/92	SW70315WC	1 5	U	JA	SW70316WC	1 5	U	JA		
	10/07/92	SW70321WC	1 5	U	V	SW70320WC	1 5	U	V		
	10/21/92	SW70324WC	1 5	U	JA	SW70323WC	1 7		JA		
	11/06/92					SW70326WC	1 5	U	JA		
	11/17/92					SW70329WC	1 5	U	V		
	12/03/92					SW70332WC	1 5	U	V		
	01/06/93					SW70340WC	1 6	U	V		
	01/13/93	SW70344WC	2	U	V	SW70343WC	2	U	V		
	01/27/93	SW70347WC	2 7	U	V	SW70346WC	2 7	U	V		
	02/09/93	SW70350WC	2	U	V	SW70349WC	2	U	V		
	02/24/93	SW70353WC	2	U	V	SW70352WC	2	U	V		
	03/12/93					SW70001JE	2 7	U	V		

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Total Metals CLP & Non CLP
(Concentration Units ug/l)

LYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION		
MIUM (Total)(CRDL 5)													
	03/23/93	SW70005JE	2	U	V	SW70004JE	2	U	V				
	04/07/93	SW70010JE	2 9	U	V	SW70009JE	2 9	U	V				
	04/22/93	SW70013JE	3 00	U	V	SW70012JE	3 00	U	V				
	05/05/93	SW70022JE	2 9	U	V	SW70020JE	2 9	U	V				
	05/19/93	SW70029JE	2 9	U	V	SW70028JE	2 9	U	V				
	06/02/93	SW70047JE	2 9	U	V	SW70046JE	2 9	U	V				
	06/16/93	SW70051JE	2 9	U	JA	SW70050JE	2 9	U	JA				
	06/30/93	SW70076JE	2 8	U		SW70075JE	2 8	U					
	07/14/93	SW70080JE	2 8	U		SW70079JE	2 8	U					
	07/28/93	SW70093JE	2 8	U	V	SW70092JE	2 8	U	V				
	08/11/93	SW00103JE	2 8	U		SW00102JE	2 8	U					
	08/27/93	SW00106JE	4 00	U	V	SW00105JE	4 00	U	V				
	09/07/93									SW00107JE	4 00	U	V
	09/08/93	SW00110JE	4 00	U	V	SW00109JE	4 00	U	V	SW00108JE	4 00	U	V
	09/09/93									SW00111JE	4 00	U	V
	09/10/93									SW00112JE	4 00	U	V
	09/11/93									SW00113JE	4 00	U	V
	09/12/93									SW00114JE	4 00	U	V
	09/13/93									SW00115JE	4 00	U	V
	09/14/93									SW00116JE	4 00	U	
	09/15/93									SW00117JE	4 00	U	
	09/16/93									SW00118JE	4 00	U	
	09/17/93									SW00119JE	4 00	U	
	09/18/93									SW00120JE	4 00	U	
	09/19/93									SW00121JE	4 00	U	
	09/20/93									SW00122JE	4 00	U	

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Total Metals CLP & Non CLP
(Concentration Units ug/l)

ALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION
OMIUM (Total)(CRDL 5)											
	09/21/93	SW00125JE	4 00	U		SW00124JE	4 00	U			
	09/28/93	SW00128JE	4 00	U		SW00127JE	4 00	U			
LCIUM (Total)(CRDL 5000)	05/08/91	SW01161WC	90700		V	SW01163WC	77700		V		
	06/20/91	SW01264WC	120000		V	SW01266WC	91000		V		
	08/07/91	SW01473WC	50000		V	SW01475WC	63000		V		
	09/17/91	SW01579WC	112000		V	SW01581WC	78600		V		
	10/17/91					SW01687WC	74200		V		
	10/21/91	SW01685WC	114000		V						
	01/27/92	SW01807WC	119000		V	SW01809WC	91100		V		
	04/06/92	SW70259WC	118000		V	SW70260WC	90800		V		
	04/22/92	SW70266WC	118000		V	SW70267WC	94500		V		
	04/27/92	SW01889WC	112000		V	SW01891WC	92900		V		
	05/06/92	SW70271WC	125000		V	SW70272WC	105000		V		
	05/20/92	SW70285WC	127000		V	SW70286WC	94300		V		
	06/04/92	SW70290WC	116000		V	SW70291WC	84700		V		
	06/17/92	SW70293WC	106000		V	SW70294WC	90000		V		
	07/02/92	SW70296WC	139000		V	SW70297WC	101000		V		
	07/15/92					SW70300WC	105000		V		
	07/29/92	SW70302WC	124000		V	SW70303WC	90200		V		
	08/12/92	SW70305WC	113000		V	SW70306WC	81300		V		
	08/20/92	SW02012WC	104000		V	SW02013WC	64000		V		
	08/26/92	SW70310WC	58300		V	SW70309WC	70700		V		
	09/08/92	SW70314WC	119000		V	SW70313WC	87800		V		
	09/22/92	SW70315WC	106000		JA	SW70316WC	78800		JA		
	10/07/92	SW70321WC	107000		V	SW70320WC	77900		V		
	10/21/92	SW70324WC	107000		JA	SW70323WC	53500		JA		

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Total Metals CLP & Non CLP
(Concentration Units ug/l)

ALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION		STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION		STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	
CIUM (Total)(CRDL 5000)										
	11/06/92				SW70326WC	83600	JA			
	11/17/92				SW70329WC	71300	V			
	12/03/92				SW70332WC	83700	V			
	01/06/93				SW70340WC	81300	V			
	01/13/93	SW70344WC	98400	V	SW70343WC	94200	V			
	01/27/93	SW70347WC	114000	V	SW70346WC	76700	V			
	02/09/93	SW70350WC	121000	V	SW70349WC	61800	V			
	02/24/93	SW70353WC	112000	V	SW70352WC	93000	V			
	03/12/93				SW70001JE	58500	V			
	03/23/93	SW70005JE	110000	V	SW70004JE	95700	V			
	04/07/93	SW70010JE	93300	V	SW70009JE	72500	V			
	04/22/93	SW70013JE	106000 00	V	SW70012JE	88100 00	V			
	05/05/93	SW70022JE	110000	V	SW70020JE	95800	V			
	05/19/93	SW70029JE	73400	V	SW70028JE	90500	V			
	06/02/93	SW70047JE	98000	V	SW70046JE	84100	V			
	06/16/93	SW70051JE	108000	V	SW70050JE	87300	V			
	06/30/93	SW70076JE	108000		SW70075JE	86100				
	07/14/93	SW70080JE	106000		SW70079JE	44000				
	07/28/93	SW70093JE	98000	V	SW70092JE	78400	V			
	08/11/93	SW00103JE	97800		SW00102JE	72900				
	08/27/93	SW00106JE	107000 00	V	SW00105JE	80500 00	V			
	09/07/93							SW00107JE	54000 00	V
	09/08/93	SW00110JE	98400 00	V	SW00109JE	68900 00	V	SW00108JE	66800 00	V
	09/09/93							SW00111JE	80000 00	V
	09/10/93							SW00112JE	79900 00	V
	09/11/93							SW00113JE	83800 00	V

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits * duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value
*CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Up tream S fac Water

Total Metals CLP & Non CLP
(Concentration Units ug/l)

ALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	
LCIUM (Total)(CRDL 5000)												
	09/12/93									SW00114JE	85800 00	V
	09/13/93									SW00115JE	13500 00	V
	09/14/93									SW00116JE	59500 00	
	09/15/93									SW00117JE	75200 00	
	09/16/93									SW00118JE	84700 00	
	09/17/93									SW00119JE	86600 00	
	09/18/93									SW00120JE	44200 00	
	09/19/93									SW00121JE	71100 00	
	09/20/93									SW00122JE	82400 00	
	09/21/93	SW00125JE	77900 00			SW00124JE	88700 00					
	09/28/93	SW00128JE	104000 00			SW00127JE	78100 00					
IUM (Total)(CRDL 1000)	05/08/91	SW01161WC	110	U	V	SW01163WC	500	U	V			
	06/20/91	SW01264WC	50		V	SW01266WC	50		V			
	08/07/91	SW01473WC	50	U	V	SW01475WC	500	U	V			
	09/17/91	SW01579WC	500	U	V	SW01581WC	500	U	V			
	10/17/91					SW01687WC	500	U	V			
	10/21/91	SW01685WC	500	U	V							
	01/27/92	SW01807WC	500	U	V	SW01809WC	500	U	V			
	04/06/92	SW70259WC	20	U	R	SW70260WC	500	U	V			
	04/22/92	SW70266WC	500	U	V	SW70267WC	500	U	V			
	04/27/92	SW01889WC	500	U	V	SW01891WC	500	U	V			
	05/06/92	SW70271WC	23	U	JA	SW70272WC	500	U	V			
	05/20/92	SW70285WC	500	U	V	SW70286WC	500	U	V			
	06/04/92	SW70290WC	23	U	R	SW70291WC	23	U	V			
	06/17/92	SW70293WC	500	U	V	SW70294WC	500	U	V			
	07/02/92	SW70296WC	2	U	V	SW70297WC	2	U	V			

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but g eater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A = Acceptable R = Rejected J Associated numerical value is an estimated alue
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Total Metals CLP & Non CLP
(Concentration Units ug/l)

YTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION		
IUM (Total)(CRDL 1000)													
	07/14/93	SW70080JE	500	U		SW70079JE	500	U					
	07/28/93	SW70093JE	500	U	V	SW70092JE	500	U	V				
	08/11/93	SW00103JE	500	U		SW00102JE	500	U					
	08/27/93	SW00106JE	29 00	U	R	SW00105JE	29 00	U	R				
	09/07/93									SW00107JE	29 00	U	R
	09/08/93	SW00110JE	29 00	U	R	SW00109JE	29 00	U	JA	SW00108JE	29 00	U	V
	09/09/93									SW00111JE	29 00	U	V
	09/10/93									SW00112JE	30 00	B	JA
	09/11/93									SW00113JE	30 00	B	JA
	09/12/93									SW00114JE	29 00	U	JA
	09/13/93									SW00115JE	29 00	U	JA
	09/14/93									SW00116JE	30 00	B	
	09/15/93									SW00117JE	60 00	B	
	09/16/93									SW00118JE	30 00	B	
	09/17/93									SW00119JE	40 00	B	
	09/18/93									SW00120JE	30 00	B	
	09/19/93									SW00121JE	50 00	B	
	09/20/93									SW00122JE	40 00	B	
	09/21/93	SW00125JE	29 00	U		SW00124JE	29 00	U					
	09/28/93	SW00128JE	29 00	U		SW00127JE	29 00	U					
MIUM (Total)(CRDL 10)	05/08/91	SW01161WC	5 2	B	JA	SW01163WC	4 1	U	JA				
	06/20/91	SW01264WC	2	U	V	SW01266WC	2	U	V				
	08/07/91	SW01473WC	2	U	V	SW01475WC	5 5	U	V				
	09/17/91	SW01579WC	2 6	U	V	SW01581WC	2 6	U	V				
	10/17/91					SW01687WC	2 6	U	V				
	10/21/91	SW01685WC	2 6	U	V								

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES. V = Valid. A Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Total Metals CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION
CHROMIUM (Total)(CRDL 10)											
	01/27/92	SW01807WC	5 7	U	V	SW01809WC	5 7	U	V		
	04/06/92	SW70259WC	5	U	V	SW70260WC	2	U	V		
	04/22/92	SW70266WC	2	U	V	SW70267WC	2	U	V		
	04/27/92	SW01889WC	2	U	V	SW01891WC	2	U	V		
	05/06/92	SW70271WC	6 5	B	JA	SW70272WC	2	U	V		
	05/20/92	SW70285WC	2	U	V	SW70286WC	2	U	V		
	06/04/92	SW70290WC	5	U	JA	SW70291WC	5	U	JA		
	06/17/92	SW70293WC	2	U	V	SW70294WC	2	U	V		
	07/02/92	SW70296WC	4 9	U	V	SW70297WC	4 9	U	V		
	07/15/92					SW70300WC	6	B	JA		
	07/29/92	SW70302WC	3 7	U	V	SW70303WC	3 7	U	V		
	08/12/92	SW70305WC	5	U	V	SW70306WC	3 1	U	V		
	08/20/92	SW02012WC	3 1	U	V	SW02013WC	3 1	U	V		
	08/26/92	SW70310WC	3 7	U	V	SW70309WC	3 7	U	V		
	09/08/92	SW70314WC	26 6		JA	SW70313WC	2 6	U	JA		
	09/22/92	SW70315WC	2 6	U	JA	SW70316WC	3 2		JA		
	10/07/92	SW70321WC	2 6	U	V	SW70320WC	2 9		V		
	10/21/92	SW70324WC	2 6	U	JA	SW70323WC	5 5		JA		
	11/06/92					SW70326WC	3 6		JA		
	11/17/92					SW70329WC	2 6	U	V		
	12/03/92					SW70332WC	2 6	U	V		
	01/06/93					SW70340WC	2 7	U	V		
	01/13/93	SW70344WC	2	U	V	SW70343WC	2	U	V		
	01/27/93	SW70347WC	2 6	U	V	SW70346WC	2 6	U	V		
	02/09/93	SW70350WC	5 1	B	V	SW70349WC	2	U	V		
	02/24/93	SW70353WC	2	U	JA	SW70352WC	2	U	V		

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A = Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Total Metals CLP & Non CLP
(Concentration Units ug/l)

YTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION		
NIUM (Total)(CRDL 10)													
	03/12/93					SW70001JE	8 3		JA				
	03/23/93	SW70005JE	2	U	V	SW70004JE	2	U	V				
	04/07/93	SW70010JE	4 6	U	V	SW70009JE	4 6	U	V				
	04/22/93	SW70013JE	4 00	U	V	SW70012JE	4 00	U	V				
	05/05/93	SW70022JE	4 6	U	V	SW70020JE	4 6	U	V				
	05/19/93	SW70029JE	4 6	U	V	SW70028JE	4 6	U	V				
	06/02/93	SW70047JE	4 6	U	V	SW70046JE	4 6	U	V				
	06/16/93	SW70051JE	4 6	U	V	SW70050JE	5 3		V				
	06/30/93	SW70076JE	2 6	U		SW70075JE	2 6	U					
	07/14/93	SW70080JE	2 6	U		SW70079JE	2 9						
	07/28/93	SW70093JE	2 6	U	V	SW70092JE	3 2		JA				
	08/11/93	SW00103JE	2 6	U		SW00102JE	2 6	U					
	08/27/93	SW00106JE	3 00	U	V	SW00105JE	3 00	U	V				
	09/07/93									SW00107JE	3 00	U	V
	09/08/93	SW00110JE	3 00	U	V	SW00109JE	3 00	U	V	SW00108JE	3 00	U	V
	09/09/93									SW00111JE	3 00	U	V
	09/10/93									SW00112JE	3 00	U	V
	09/11/93									SW00113JE	3 00	U	V
	09/12/93									SW00114JE	3 00	U	V
	09/13/93									SW00115JE	3 00	U	V
	09/14/93									SW00116JE	3 00	U	
	09/15/93									SW00117JE	3 00	U	
	09/16/93									SW00118JE	3 00	U	
	09/17/93									SW00119JE	3 00	U	
	09/18/93									SW00120JE	3 00	U	
	09/19/93									SW00121JE	3 00	U	

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
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OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Total Metals CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	
CHROMIUM (Total)(CRDL 10)												
	09/20/93									SW00122JE	3 00	U
	09/21/93	SW00125JE	3 00	U		SW00124JE	3 00	U				
	09/28/93	SW00128JE	3 00	U		SW00127JE	3 00	U				
COBALT (Total)(CRDL 50)	05/08/91	SW01161WC	3	U	V	SW01163WC	3 6	U	V			
	06/20/91	SW01264WC	2	U	V	SW01266WC	2	U	V			
	08/07/91	SW01473WC	2	U	V	SW01475WC	7 3	U	V			
	09/17/91	SW01579WC	3 6		JA	SW01581WC	2 8	U	V			
	10/17/91					SW01687WC	2 8	U	V			
	10/21/91	SW01685WC	2 8	U	V							
	01/27/92	SW01807WC	3 4	U	V	SW01809WC	3 4	U	V			
	04/06/92	SW70259WC	4	U	V	SW70260WC	2 7	U	V			
	04/22/92	SW70266WC	2 7	U	V	SW70267WC	2 7	U	V			
	04/27/92	SW01889WC	2 7	U	V	SW01891WC	2 7	U	V			
	05/06/92	SW70271WC	4	U	V	SW70272WC	2 7	U	V			
	05/20/92	SW70285WC	2 7	U	V	SW70286WC	2 7	U	V			
	06/04/92	SW70290WC	4	U	V	SW70291WC	4	U	V			
	06/17/92	SW70293WC	2 7	U	V	SW70294WC	2 7	U	V			
	07/02/92	SW70296WC	6 5	U	V	SW70297WC	6 5	U	V			
	07/15/92					SW70300WC	6 5	U	V			
	07/29/92	SW70302WC	2 3	U	V	SW70303WC	2 3	U	V			
	08/12/92	SW70305WC	4	U	V	SW70306WC	2 2	U	V			
	08/20/92	SW02012WC	2 2	U	V	SW02013WC	2 2	U	JA			
	08/26/92	SW70310WC	2 3	U	V	SW70309WC	2 3	U	V			
	09/08/92	SW70314WC	1 3	U	V	SW70313WC	1 3	U	V			
	09/22/92	SW70315WC	1 3	U	JA	SW70316WC	1 3	U	JA			
	10/07/92	SW70321WC	1 3	U	V	SW70320WC	1 3	U	V			

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES· V = Valid A = Acceptable. R Rejected. J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Total Metals CLP & Non CLP
(Concentration Units ug/l)

LYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION		
ALT (Total)(CRDL 50)													
	10/21/92	SW70324WC	1 3	U	JA	SW70323WC	1 5		JA				
	11/06/92					SW70326WC	1 7		JA				
	11/17/92					SW70329WC	2 2		JA				
	12/03/92					SW70332WC	1 3	U	V				
	01/06/93					SW70340WC	2 5	U	V				
	01/13/93	SW70344WC	3	U	V	SW70343WC	3	U	V				
	01/27/93	SW70347WC	2 6	U	V	SW70346WC	2 6	U	V				
	02/09/93	SW70350WC	3	U	V	SW70349WC	3	U	V				
	02/24/93	SW70353WC	3	U	V	SW70352WC	3	U	V				
	03/12/93					SW70001JE	2 6	U	V				
	03/23/93	SW70005JE	3	U	V	SW70004JE	3	U	V				
	04/07/93	SW70010JE	4 9	U	V	SW70009JE	4 9	U	V				
	04/22/93	SW70013JE	3 00	U	V	SW70012JE	3 00	U	JA				
	05/05/93	SW70022JE	4 9	U	V	SW70020JE	4 9	U	V				
	05/19/93	SW70029JE	4 9	U	V	SW70028JE	4 9	U	V				
	06/02/93	SW70047JE	4 9	U	V	SW70046JE	4 9	U	V				
	06/16/93	SW70051JE	4 9	U	V	SW70050JE	4 9	U	V				
	06/30/93	SW70076JE	2 6	U		SW70075JE	2 6	U					
	07/14/93	SW70080JE	2 6	U		SW70079JE	2 6	U					
	07/28/93	SW70093JE	2 6	U	V	SW70092JE	2 6	U	V				
	08/11/93	SW00103JE	2 6	U		SW00102JE	2 6	U					
	08/27/93	SW00106JE	4 00	U	V	SW00105JE	4 00	U	V				
	09/07/93									SW00107JE	4 00	U	V
	09/08/93	SW00110JE	4 00	U	V	SW00109JE	4 00	U	V	SW00108JE	4 00	U	V
	09/09/93									SW00111JE	4 00	U	V
	09/10/93									SW00112JE	4 00	U	V

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES· V = Valid A = Acceptable. R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Total Metals CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION		
COBALT (Total)(CRDL 50)													
	09/11/93									SW00113JE	4 00	U	V
	09/12/93									SW00114JE	4 00	U	V
	09/13/93									SW00115JE	4 00	U	V
	09/14/93									SW00116JE	4 00	U	
	09/15/93									SW00117JE	4 00	U	
	09/16/93									SW00118JE	4 00	U	
	09/17/93									SW00119JE	4 00	U	
	09/18/93									SW00120JE	4 00	U	
	09/19/93									SW00121JE	4 00	U	
	09/20/93									SW00122JE	4 00	U	
	09/21/93	SW00125JE	4 00	U		SW00124JE	4 00	U					
	09/28/93	SW00128JE	4 00	U		SW00127JE	4 00	U					
COPPER (Total)(CRDL 25)	05/08/91	SW01161WC	11	U	V	SW01163WC	5 6		V				
	06/20/91	SW01264WC	3	U	V	SW01266WC	3	U	V				
	08/07/91	SW01473WC	4 6		V	SW01475WC	5 4	U	V				
	09/17/91	SW01579WC	5 1		JA	SW01581WC	3 1		JA				
	10/17/91					SW01687WC	2 5						
	10/21/91	SW01685WC	7 4										
	01/27/92	SW01807WC	6 3		JA	SW01809WC	2 5	U	V				
	04/06/92	SW70259WC	2 6	U	JA	SW70260WC	2 3		JA				
	04/22/92	SW70266WC	2 3	U	V	SW70267WC	2 3	U	V				
	04/27/92	SW01889WC	2 3	U	V	SW01891WC	2 3	U	V				
	05/06/92	SW70271WC	2	U	V	SW70272WC	2 3	U	V				
	05/20/92	SW70285WC	2 3	U	V	SW70286WC	2 3	U	V				
	06/04/92	SW70290WC	7 5	U	JA	SW70291WC	2	U	V				
	06/17/92	SW70293WC	4 1		JA	SW70294WC	2 3	U	V				

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Total Metals CLP & Non CLP
(Concentration Units ug/l)

LYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION
ER (Total)(CRDL 25)											
	07/02/92	SW70296WC	6 1	U	JA	SW70297WC	2 7	U	V		
	07/15/92					SW70300WC	2 7	U	V		
	07/29/92	SW70302WC	6 9		V	SW70303WC	2 4	U	V		
	08/12/92	SW70305WC	10 2	U	JA	SW70306WC	2 1	U	V		
	08/20/92	SW02012WC	2 1	U	V	SW02013WC	2 1	U	V		
	08/26/92	SW70310WC	2 8		JA	SW70309WC	2 4	U	V		
	09/08/92	SW70314WC	1 9	U	JA	SW70313WC	1 9	U	JA		
	09/22/92	SW70315WC	1 9	U	R	SW70316WC	1 9	U	R		
	10/07/92	SW70321WC	3 7		JA	SW70320WC	4 6		JA		
	10/21/92	SW70324WC	1 9	U	JA	SW70323WC	4 4		JA		
	11/06/92					SW70326WC	1 9	U	JA		
	11/17/92					SW70329WC	6 1		JA		
	12/03/92					SW70332WC	1 9	U	R		
	01/06/93					SW70340WC	2 9	U	V		
	01/13/93	SW70344WC	2	B	V	SW70343WC	16 2	B	V		
	01/27/93	SW70347WC	2 9	U	V	SW70346WC	3 8		JA		
	02/09/93	SW70350WC	6 4	B	JA	SW70349WC	2	U	JA		
	02/24/93	SW70353WC	3	B	JA	SW70352WC	2	U	R		
	03/12/93					SW70001JE	6 6		JA		
	03/23/93	SW70005JE	3	B	JA	SW70004JE	2	U	JA		
	04/07/93	SW70010JE	2 7	U	V	SW70009JE	2 7	U	V		
	04/22/93	SW70013JE	4 30	B	V	SW70012JE	3 80	B	V		
	05/05/93	SW70022JE	2 7	U	V	SW70020JE	2 7	U	V		
	05/19/93	SW70029JE	3 1		JA	SW70028JE	2 7	U	V		
	06/02/93	SW70047JE	2 7	U	V	SW70046JE	2 7	U	V		
	06/16/93	SW70051JE	2 7	U	V	SW70050JE	2 7	U	V		

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES. V Valid A Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Su face Water

Total Metals CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION		
COPPER (Total)(CRDL 25)													
	06/30/93	SW70076JE	12 9	U		SW70075JE	12 9	U					
	07/14/93	SW70080JE	12 9	U		SW70079JE	12 9	U					
	07/28/93	SW70093JE	12 9	U	V	SW70092JE	12 9	U	V				
	08/11/93	SW00103JE	12 9	U		SW00102JE	12 9	U					
	08/27/93	SW00106JE	2 00	B	V	SW00105JE	2 00	U	V				
	09/07/93									SW00107JE	5 80	B	V
	09/08/93	SW00110JE	2 00	U	V	SW00109JE	2 00	U	V	SW00108JE	2 60	B	V
	09/09/93									SW00111JE	2 00	U	V
	09/10/93									SW00112JE	2 70	B	V
	09/11/93									SW00113JE	2 00	U	V
	09/12/93									SW00114JE	2 00	U	V
	09/13/93									SW00115JE	8 90	B	V
	09/14/93									SW00116JE	5 80	B	
	09/15/93									SW00117JE	2 40	B	
	09/16/93									SW00118JE	2 00	U	
	09/17/93									SW00119JE	2 00	U	
	09/18/93									SW00120JE	8 30	B	
	09/19/93									SW00121JE	2 10	B	
	09/20/93									SW00122JE	2 00	U	
	09/21/93	SW00125JE	3 90	B		SW00124JE	2 00	U					
	09/28/93	SW00128JE	3 30	B		SW00127JE	2 00	U					
IRON (Total)(CRDL 100)	05/08/91	SW01161WC	581		V	SW01163WC	108		JA				
	06/20/91	SW01264WC	1400		V	SW01266WC	200		V				
	08/07/91	SW01473WC	780		V	SW01475WC	131		JA				
	09/17/91	SW01579WC	45 9		V	SW01581WC	134		V				
	10/17/91					SW01687WC	258		V				

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Total Metals CLP & Non CLP
(Concentration Units ug/l)

YTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION
I (Total)(CRDL 100)											
	10/21/91	SW01685WC	900		V						
	01/27/92	SW01807WC	2910		JA	SW01809WC	737		JA		
	04/06/92	SW70259WC	221	E	JA	SW70260WC	143		JA		
	04/22/92	SW70266WC	1080		V	SW70267WC	113		JA		
	04/27/92	SW01889WC	166		V	SW01891WC	126		JA		
	05/06/92	SW70271WC	684		V	SW70272WC	34 3		JA		
	05/20/92	SW70285WC	689		V	SW70286WC	248		V		
	06/04/92	SW70290WC	873		V	SW70291WC	118		JA		
	06/17/92	SW70293WC	503		V	SW70294WC	179		V		
	07/02/92	SW70296WC	390		JA	SW70297WC	238		JA		
	07/15/92					SW70300WC	297		JA		
	07/29/92	SW70302WC	401		JA	SW70303WC	280		JA		
	08/12/92	SW70305WC	9 5	U	JA	SW70306WC	255		V		
	08/20/92	SW02012WC	11 8		JA	SW02013WC	526		V		
	08/26/92	SW70310WC	23 6		V	SW70309WC	258		V		
	09/08/92	SW70314WC	281	E	JA	SW70313WC	370	E	JA		
	09/22/92	SW70315WC	87 4		JA	SW70316WC	357		JA		
	10/07/92	SW70321WC	141		V	SW70320WC	855		V		
	10/21/92	SW70324WC	191		JA	SW70323WC	1310		JA		
	11/06/92					SW70326WC	944		JA		
	11/17/92					SW70329WC	472		V		
	12/03/92					SW70332WC	343		V		
	01/06/93					SW70340WC	253		V		
	01/13/93	SW70344WC	85 5	B	JA	SW70343WC	1100		JA		
	01/27/93	SW70347WC	586		V	SW70346WC	859		V		
	02/09/93	SW70350WC	3770		JA	SW70349WC	562		JA		

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES. V Valid. A Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Total Metals CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION		STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	
IRON (Total)(CRDL 100)											
	02/24/93	SW70353WC	467		V	SW70352WC	994	V			
	03/12/93					SW70001JE	4250	V			
	03/23/93	SW70005JE	346		V	SW70004JE	208	V			
	04/07/93	SW70010JE	75 6		JA	SW70009JE	399	V			
	04/22/93	SW70013JE	257 00		V	SW70012JE	405 00	V			
	05/05/93	SW70022JE	65 8		JA	SW70020JE	293	V			
	05/19/93	SW70029JE	1810		V	SW70028JE	305	V			
	06/02/93	SW70047JE	372		V	SW70046JE	271	V			
	06/16/93	SW70051JE	143		V	SW70050JE	317	V			
	06/30/93	SW70076JE	48			SW70075JE	447				
	07/14/93	SW70080JE	47 1			SW70079JE	906				
	07/28/93	SW70093JE	23 2	U	V	SW70092JE	469	V			
	08/11/93	SW00103JE	23 2	U		SW00102JE	362				
	08/27/93	SW00106JE	49 00	B	V	SW00105JE	166 00	V			
	09/07/93								SW00107JE	800 00	V
	09/08/93	SW00110JE	27 30	B	JA	SW00109JE	490 00	V	SW00108JE	471 00	V
	09/09/93								SW00111JE	325 00	V
	09/10/93								SW00112JE	420 00	V
	09/11/93								SW00113JE	304 00	V
	09/12/93								SW00114JE	446 00	V
	09/13/93								SW00115JE	3700 00	V
	09/14/93								SW00116JE	522 00	
	09/15/93								SW00117JE	510 00	
	09/16/93								SW00118JE	254 00	
	09/17/93								SW00119JE	333 00	
	09/18/93								SW00120JE	1170 00	

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Total Metals CLP & Non CLP
(Concentration Units ug/l)

LYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION
N (Total)(CRDL 100)											
	09/19/93										
	09/20/93									SW00121JE	339 00
	09/21/93	SW00125JE	193 00			SW00124JE	450 00			SW00122JE	186 00
	09/28/93	SW00128JE	85 30	B		SW00127JE	436 00				
D (Total)(CRDL 5)	05/08/91	SW01161WC	1 2	B	V	SW01163WC	1	U	V		
	06/20/91	SW01264WC	3 1		JA	SW01266WC	3		JA		
	08/07/91	SW01473WC	2 8	I	V	SW01475WC	1 5		JA		
	09/17/91	SW01579WC	9	U	JA	SW01581WC	1 3		JA		
	10/17/91					SW01687WC	5 8		V		
	10/21/91	SW01685WC	5 7		V						
	01/27/92	SW01807WC	5 5		V	SW01809WC	2 2		JA		
	04/06/92	SW70259WC	1	U	JA	SW70260WC	7	U	V		
	04/22/92	SW70266WC	4 2		V	SW70267WC	8	U	V		
	04/27/92	SW01889WC	8	U	V	SW01891WC	8	U	V		
	05/06/92	SW70271WC	1 4	B	V	SW70272WC	7	U	V		
	05/20/92	SW70285WC	1 6		JA	SW70286WC	7	U	JA		
	06/04/92	SW70290WC	6 2		V	SW70291WC	1	U	V		
	06/17/92	SW70293WC	2 1		JA	SW70294WC	1 6	U	V		
	07/02/92	SW70296WC	1 9	B	V	SW70297WC	2 6	B	V		
	07/15/92					SW70300WC	8 3		JA		
	07/29/92	SW70302WC	2 1		V	SW70303WC	2		JA		
	08/12/92	SW70305WC	1	U	V	SW70306WC	9	U	V		
	08/20/92	SW02012WC	1 3		V	SW02013WC	1		V		
	08/26/92	SW70310WC	5 6		V	SW70309WC	1 7		V		
	09/08/92	SW70314WC	2	U	V	SW70313WC	2	U	V		
	09/22/92	SW70315WC	2 8	W	JA	SW70316WC	2	U	JA		

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Total Metals CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION		
LEAD (Total)(CRDL 5)													
	10/07/92	SW70321WC	3 4		V	SW70320WC	3 7		V				
	10/21/92	SW70324WC	2 1		JA	SW70323WC	3 9		JA				
	11/06/92					SW70326WC	4 5		JA				
	11/17/92					SW70329WC	4 2		V				
	12/03/92					SW70332WC	3 3		V				
	01/06/93					SW70340WC	1 2	U	R				
	01/13/93	SW70344WC	1	U	V	SW70343WC	1	UW	V				
	01/27/93	SW70347WC	9	U	R	SW70346WC	4 2		JA				
	02/09/93	SW70350WC	3 5		JA	SW70349WC	1	UW	V				
	02/24/93	SW70353WC	1	U	JA	SW70352WC	1 4	B	JA				
	03/12/93					SW70001JE	5 2		JA				
	03/23/93	SW70005JE	10	U	V	SW70004JE	1	U	V				
	04/07/93	SW70010JE	1 1	U	V	SW70009JE	1 1	U	V				
	04/22/93	SW70013JE	1 00	U	V	SW70012JE	1 00	U	V				
	05/05/93	SW70022JE	13 7		JA	SW70020JE	16 6		JA				
	05/19/93	SW70029JE	3 4		JA	SW70028JE	6 8		JA				
	06/02/93	SW70047JE	2 2		V	SW70046JE	1	U	V				
	06/16/93	SW70051JE	1 4	U	JA	SW70050JE	1 4	U	JA				
	06/30/93	SW70076JE	1 3			SW70075JE	1 3						
	07/14/93	SW70080JE	9	U		SW70079JE	9	U					
	07/28/93	SW70093JE	0 80	U	V	SW70092JE	1 2		JA				
	08/11/93	SW00103JE	1 4	U		SW00102JE	1 4	U					
	08/27/93	SW00106JE	1 00	U	V	SW00105JE	1 00	UW	V				
	09/07/93									SW00107JE	1 60	B	V
	09/08/93	SW00110JE	1 00	U	V	SW00109JE	1 70	B	V	SW00108JE	1 00	U	V
	09/09/93									SW00111JE	1 00	U	V

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

T tal Metals CLP & Non CLP
(Concentration Units ug/l)

YTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION		
) (Total)(CRDL 5)													
	09/10/93									SW00112JE	1 00	UW	V
	09/11/93									SW00113JE	1 00	U	V
	09/12/93									SW00114JE	1 00	U	V
	09/13/93									SW00115JE	7 20		V
	09/14/93									SW00116JE	1 10	BW	
	09/15/93									SW00117JE	1 00	U	
	09/16/93									SW00118JE	1 00	U	
	09/17/93									SW00119JE	1 00	U	
	09/18/93									SW00120JE	2 70	B	
	09/19/93									SW00121JE	1 00	U	
	09/20/93									SW00122JE	1 00	U	
	09/21/93	SW00125JE	1 10	B		SW00124JE	1 00	U					
	09/28/93	SW00128JE	1 00	U		SW00127JE	1 00	U					
HIUM (Total)(CRDL 100)	05/08/91	SW01161WC	6 4	B	V	SW01163WC	4 7		JA				
	06/20/91	SW01264WC	15		JA	SW01266WC	8 2		JA				
	08/07/91	SW01473WC	9 7		JA	SW01475WC	5 4	U	V				
	09/17/91	SW01579WC	12 5		JA	SW01581WC	8 4		JA				
	10/17/91					SW01687WC	7 1	U	V				
	10/21/91	SW01685WC	17 1		V								
	01/27/92	SW01807WC	20 2		V	SW01809WC	8 4		V				
	04/06/92	SW70259WC	18 2	B	V	SW70260WC	7 1		JA				
	04/22/92	SW70266WC	15 5		V	SW70267WC	6 6		JA				
	04/27/92	SW01889WC	16 7		JA	SW01891WC	6 7		JA				
	05/06/92	SW70271WC	18 9	B	V	SW70272WC	8 2		JA				
	05/20/92	SW70285WC	18 4		V	SW70286WC	10 6		JA				
	06/04/92	SW70290WC	16 7	B	V	SW70291WC	9 2	U	JA				

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value
*CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Total Metals CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION
LITHIUM (Total)(CRDL 100)											
	06/17/92	SW70293WC	16 9		JA	SW70294WC	7 1		JA		
	07/02/92	SW70296WC	35	U	JA	SW70297WC	15 4	U	JA		
	07/15/92					SW70300WC	8 8	U	JA		
	07/29/92	SW70302WC	20 6		V	SW70303WC	10 5		V		
	08/12/92	SW70305WC	17 1	U	JA	SW70306WC	7 2		V		
	08/20/92	SW02012WC	16 3		V	SW02013WC	8 6		V		
	08/26/92	SW70310WC	10 1		V	SW70309WC	3 7	U	V		
	09/08/92	SW70314WC	17 6		V	SW70313WC	8 8		V		
	09/22/92	SW70315WC	14 3		JA	SW70316WC	8 8		JA		
	10/07/92	SW70321WC	17 8		V	SW70320WC	11 8		JA		
	10/21/92	SW70324WC	16 6		JA	SW70323WC	8 4		JA		
	11/06/92					SW70326WC	9 3		JA		
	11/17/92					SW70329WC	11 6		JA		
	12/03/92					SW70332WC	6		V		
	01/06/93					SW70340WC	9 8		V		
	01/13/93	SW70344WC	14 7	B	V	SW70343WC	21 6	B	V		
	01/27/93	SW70347WC	15 8		JA	SW70346WC	5 3		JA		
	02/09/93	SW70350WC	20 2	B	V	SW70349WC	5 5	B	V		
	02/24/93	SW70353WC	10	B	V	SW70352WC	7	B	V		
	03/12/93					SW70001JE	6 9		JA		
	03/23/93	SW70005JE	11	B	V	SW70004JE	8	B	V		
	04/07/93	SW70010JE	10 9		JA	SW70009JE	5 7		JA		
	04/22/93	SW70013JE	14 20	B	V	SW70012JE	7 90	B	V		
	05/05/93	SW70022JE	17 5		JA	SW70020JE	7 3		JA		
	05/19/93	SW70029JE	14 4		JA	SW70028JE	8 3		JA		
	06/02/93	SW70047JE	10 8		JA	SW70046JE	5 8		JA		

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R = Rejected. J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Su face Water

Total Metals CLP & Non CLP
(Concentration Units ug/l)

YTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION		
IIUM (Total)(CRDL 100)													
	06/16/93	SW70051JE	13 5		V	SW70050JE	9 2		V				
	06/30/93	SW70076JE	15 3			SW70075JE	8 9						
	07/14/93	SW70080JE	18 2			SW70079JE	5 4						
	07/28/93	SW70093JE	15 6		V	SW70092JE	10 2		V				
	08/11/93	SW00103JE	15 3			SW00102JE	8 7						
	08/27/93	SW00106JE	18 10	B	V	SW00105JE	14 10	B	V				
	09/07/93									SW00107JE	8 00	B	V
	09/08/93	SW00110JE	15 40	B	V	SW00109JE	6 60	B	V	SW00108JE	10 20	B	V
	09/09/93									SW00111JE	14 50	B	V
	09/10/93									SW00112JE	14 60	B	V
	09/11/93									SW00113JE	15 20	B	V
	09/12/93									SW00114JE	14 80	B	V
	09/13/93									SW00115JE	4 30	B	V
	09/14/93									SW00116JE	9 10	B	
	09/15/93									SW00117JE	12 20	B	
	09/16/93									SW00118JE	14 30	B	
	09/17/93									SW00119JE	13 60	B	
	09/18/93									SW00120JE	7 50	B	
	09/19/93									SW00121JE	11 50	B	
	09/20/93									SW00122JE	13 80	B	
	09/21/93	SW00125JE	13 80	B		SW00124JE	8 30	B					
	09/28/93	SW00128JE	18 40	B		SW00127JE	8 30	B					
NESIUM (Total)(CRDL 5000)	05/08/91	SW01161WC	18300		V	SW01163WC	16300		V				
	06/20/91	SW01264WC	26000		V	SW01266WC	15000		V				
	08/07/91	SW01473WC	12000		V	SW01475WC	12600		V				
	09/17/91	SW01579WC	28200		V	SW01581WC	14400		V				

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upst eam Surface Water

Total Metals CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION		STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION		STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION
MAGNESIUM (Total)(CRDL 5000)									
	10/17/91				SW01687WC	14200	V		
	10/21/91	SW01685WC	28200	V					
	01/27/92	SW01807WC	31400	V	SW01809WC	16500	V		
	04/06/92	SW70259WC	32400	V	SW70260WC	14400	V		
	04/22/92	SW70266WC	30500	V	SW70267WC	14500	V		
	04/27/92	SW01889WC	29600	V	SW01891WC	14500	V		
	05/06/92	SW70271WC	31900	V	SW70272WC	15600	V		
	05/20/92	SW70285WC	33000	V	SW70286WC	16100	V		
	06/04/92	SW70290WC	27700	V	SW70291WC	15500	V		
	06/17/92	SW70293WC	29000	V	SW70294WC	15200	V		
	07/02/92	SW70296WC	36800	V	SW70297WC	16800	V		
	07/15/92				SW70300WC	16900	V		
	07/29/92	SW70302WC	34400	V	SW70303WC	16700	V		
	08/12/92	SW70305WC	33000	V	SW70306WC	16000	V		
	08/20/92	SW02012WC	28100	V	SW02013WC	12200	V		
	08/26/92	SW70310WC	15000	V	SW70309WC	12600	V		
	09/08/92	SW70314WC	32800	V	SW70313WC	16300	V		
	09/22/92	SW70315WC	29600	JA	SW70316WC	15400	JA		
	10/07/92	SW70321WC	29400	V	SW70320WC	14900	V		
	10/21/92	SW70324WC	29500	JA	SW70323WC	11400	JA		
	11/06/92				SW70326WC	15900	JA		
	11/17/92				SW70329WC	14500	V		
	12/03/92				SW70332WC	15500	V		
	01/06/93				SW70340WC	15500	V		
	01/13/93	SW70344WC	27100	V	SW70343WC	19500	V		
	01/27/93	SW70347WC	27400	V	SW70346WC	14100	V		

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program, EG&G Rocky Flats, February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Wate

T tal Met ls CLP & Non CLP
(Concentration Units ug/l)

YTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION		STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION		STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION		
ESIUM (Total)(CRDL 5000)											
	02/09/93	SW70350WC	30000	V	SW70349WC	12100	V				
	02/24/93	SW70353WC	25200	V	SW70352WC	17500	V				
	03/12/93				SW70001JE	11900	V				
	03/23/93	SW70005JE	26700	V	SW70004JE	18000	V				
	04/07/93	SW70010JE	21700	V	SW70009JE	12600	V				
	04/22/93	SW70013JE	27000 00	V	SW70012JE	16200 00	V				
	05/05/93	SW70022JE	28300	V	SW70020JE	15700	V				
	05/19/93	SW70029JE	17500	V	SW70028JE	15700	V				
	06/02/93	SW70047JE	24900	V	SW70046JE	16100	V				
	06/16/93	SW70051JE	27300	V	SW70050JE	16000	V				
	06/30/93	SW70076JE	28300		SW70075JE	16100					
	07/14/93	SW70080JE	29400		SW70079JE	7680					
	07/28/93	SW70093JE	27600	V	SW70092JE	16000	V				
	08/11/93	SW00103JE	28300		SW00102JE	15600					
	08/27/93	SW00106JE	29700 00	V	SW00105JE	13700 00	V				
	09/07/93							SW00107JE	14300 00		V
	09/08/93	SW00110JE	28300 00	V	SW00109JE	12900 00	V	SW00108JE	17600 00		V
	09/09/93							SW00111JE	22500 00		V
	09/10/93							SW00112JE	22900 00		V
	09/11/93							SW00113JE	24400 00		V
	09/12/93							SW00114JE	25600 00		V
	09/13/93							SW00115JE	2440 00	B	V
	09/14/93							SW00116JE	15800 00		
	09/15/93							SW00117JE	20500 00		
	09/16/93							SW00118JE	23600 00		
	09/17/93							SW00119JE	24800 00		

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program, EG&G Rocky Flats, February 15, 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Total Metals CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION
MAGNESIUM (Total)(CRDL 5000)											
	09/18/93									SW00120JE	11700 00
	09/19/93									SW00121JE	19200 00
	09/20/93									SW00122JE	23100 00
	09/21/93	SW00125JE	22300 00			SW00124JE	17200 00				
	09/28/93	SW00128JE	30600 00			SW00127JE	17300 00				
MANGANESE (Total)(CRDL 15)	05/08/91	SW01161WC	7 2	B	V	SW01163WC	43 9		V		
	06/20/91	SW01264WC	14		V	SW01266WC	27		V		
	08/07/91	SW01473WC	13		V	SW01475WC	29 5		V		
	09/17/91	SW01579WC	6 9		JA	SW01581WC	24 4		JA		
	10/17/91					SW01687WC	47		V		
	10/21/91	SW01685WC	9 1		V						
	01/27/92	SW01807WC	22 2		V	SW01809WC	90 7		V		
	04/06/92	SW70259WC	5	B	V	SW70260WC	52 1		JA		
	04/22/92	SW70266WC	8 5		JA	SW70267WC	53 5		V		
	04/27/92	SW01889WC	1 5	U	V	SW01891WC	58 4		V		
	05/06/92	SW70271WC	14 9	B	V	SW70272WC	3 2		JA		
	05/20/92	SW70285WC	8 9		JA	SW70286WC	62 1		V		
	06/04/92	SW70290WC	36 3		V	SW70291WC	35 9		V		
	06/17/92	SW70293WC	10 4		JA	SW70294WC	47 2		V		
	07/02/92	SW70296WC	22 1		V	SW70297WC	58 4		V		
	07/15/92					SW70300WC	65		V		
	07/29/92	SW70302WC	78 8	E	JA	SW70303WC	98	E	JA		
	08/12/92	SW70305WC	29 6		V	SW70306WC	65 9		V		
	08/20/92	SW02012WC	23 1		V	SW02013WC	250		V		
	08/26/92	SW70310WC	2 3		V	SW70309WC	60 9		V		
	09/08/92	SW70314WC	20 1		V	SW70313WC	70 2		V		

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Total Metals CLP & Non CLP
(Concentration Units ug/l)

YTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	
ANESE (Total)(CRDL 15)												
	09/22/92	SW70315WC	36 1		JA	SW70316WC	75 8		JA			
	10/07/92	SW70321WC	42 4		V	SW70320WC	119		V			
	10/21/92	SW70324WC	27 8		JA	SW70323WC	84 7		JA			
	11/06/92					SW70326WC	85 3		JA			
	11/17/92					SW70329WC	88 3		V			
	12/03/92					SW70332WC	67 6		V			
	01/06/93					SW70340WC	40 3		V			
	01/13/93	SW70344WC	3 6	U	JA	SW70343WC	283		V			
	01/27/93	SW70347WC	18 7		JA	SW70346WC	59 6		V			
	02/09/93	SW70350WC	53 8		V	SW70349WC	61 1		V			
	02/24/93	SW70353WC	6 7	BE	JA	SW70352WC	62 3	E	JA			
	03/12/93					SW70001JE	76 2		V			
	03/23/93	SW70005JE	5 2	B	V	SW70004JE	60 8		V			
	04/07/93	SW70010JE	1 5	U	V	SW70009JE	76 1		V			
	04/22/93	SW70013JE	4 20	B	V	SW70012JE	316 00		V			
	05/05/93	SW70022JE	2 6		JA	SW70020JE	57 7		V			
	05/19/93	SW70029JE	26 2		V	SW70028JE	63		V			
	06/02/93	SW70047JE	6 1		JA	SW70046JE	48 6		V			
	06/16/93	SW70051JE	3 6		JA	SW70050JE	52 3		V			
	06/30/93	SW70076JE	4 6			SW70075JE	59 4					
	07/14/93	SW70080JE	10			SW70079JE	61 1					
	07/28/93	SW70093JE	4 1		JA	SW70092JE	76 6		JA			
	08/11/93	SW00103JE	3 9			SW00102JE	65 2					
	08/27/93	SW00106JE	18 20		V	SW00105JE	87 90		V			
	09/07/93									SW00107JE	24 80	V
	09/08/93	SW00110JE	23 70		V	SW00109JE	59 10		V	SW00108JE	17 40	V

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol, ER Program, EG&G Rocky Flats, February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Total Metals CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION		
MANGANESE (Total)(CRDL 15)													
	09/09/93									SW00111JE	12 60	B	V
	09/10/93									SW00112JE	16 70		V
	09/11/93									SW00113JE	10 30	B	V
	09/12/93									SW00114JE	9 90	B	V
	09/13/93									SW00115JE	139 00		V
	09/14/93									SW00116JE	25 20		
	09/15/93									SW00117JE	18 90		
	09/16/93									SW00118JE	11 70	B	
	09/17/93									SW00119JE	13 10	B	
	09/18/93									SW00120JE	25 90		
	09/19/93									SW00121JE	15 20		
	09/20/93									SW00122JE	11 20	B	
	09/21/93	SW00125JE	8 40	B		SW00124JE	68 10						
	09/28/93	SW00128JE	8 60	B		SW00127JE	60 40						
MERCURY (Total)(CRDL 0 2)	05/08/91	SW01161WC	2	U	V	SW01163WC	2	U	JA				
	06/20/91	SW01264WC	2	U	V	SW01266WC	2	U	V				
	08/07/91	SW01473WC	53		JA	SW01475WC	2	U	V				
	09/17/91	SW01579WC	2	U	V	SW01581WC	2	U	V				
	10/17/91					SW01687WC	2	U	V				
	10/21/91	SW01685WC	2	U	V								
	01/27/92	SW01807WC	25		V	SW01809WC	2	U	V				
	04/06/92	SW70259WC	2	U	V	SW70260WC	2	U	V				
	04/22/92	SW70266WC	2	U	V	SW70267WC	2	U	V				
	04/27/92	SW01889WC	2	U	V	SW01891WC	2	U	V				
	05/06/92	SW70271WC	2	U	V	SW70272WC	2	U	V				
	05/20/92	SW70285WC	2	U	V	SW70286WC	2	U	V				

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
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VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream S rface Water

Total Met ls CLP & Non CLP
(Concentration Units ug/l)

YTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION
URY (Total)(CRDL 0 2)											
	06/04/92	SW70290WC	2	U	V	SW70291WC	2	U	V		
	06/17/92	SW70293WC	26		V	SW70294WC	2	U	V		
	07/02/92	SW70296WC	1	U	V	SW70297WC	1	U	V		
	07/15/92					SW70300WC	1	U	V		
	07/29/92	SW70302WC	2	U	V	SW70303WC	2	U	V		
	08/12/92	SW70305WC	2	U	V	SW70306WC	2	U	V		
	08/20/92	SW02012WC	2	U	V	SW02013WC	2	U	V		
	08/26/92	SW70310WC	2		JA	SW70309WC	2		JA		
	09/08/92	SW70314WC	2	U	V	SW70313WC	2	U	V		
	09/22/92	SW70315WC	2		JA	SW70316WC	1	U	JA		
	10/07/92	SW70321WC	1	U	V	SW70320WC	1	U	V		
	10/21/92	SW70324WC	1	U	JA	SW70323WC	1	U	JA		
	11/06/92					SW70326WC	22		JA		
	11/17/92					SW70329WC	1	U	V		
	12/03/92					SW70332WC	1	U	V		
	01/06/93					SW70340WC	13		V		
	01/13/93	SW70344WC	2	U	V	SW70343WC	2	U	V		
	01/27/93	SW70347WC	2	U	V	SW70346WC	2	U	V		
	02/09/93	SW70350WC	2	U	V	SW70349WC	2	U	V		
	02/24/93	SW70353WC	2	U	V	SW70352WC	2	U	V		
	03/12/93					SW70001JE	2	U	V		
	03/23/93	SW70005JE	2	U	V	SW70004JE	2	U	V		
	04/07/93	SW70010JE	2	U	JA	SW70009JE	21		JA		
	04/22/93	SW70013JE	0 20	UN	V	SW70012JE	0 20	UN	V		
	05/05/93	SW70022JE	2	U	V	SW70020JE	2	U	V		
	05/19/93	SW70029JE	2	U	V	SW70028JE	2	U	V		

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program, EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Total Metals CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION		
MERCURY (Total)(CRDL 0 2)													
	06/02/93	SW70047JE	2	U	V	SW70046JE	2	U	V				
	06/16/93	SW70051JE	0 20	U	V	SW70050JE	0 20	U	V				
	06/30/93	SW70076JE	2	U		SW70075JE	2	U					
	07/14/93	SW70080JE	2	U		SW70079JE	2	U					
	07/28/93	SW70093JE	0 20	U	V	SW70092JE	0 20	U	V				
	08/11/93	SW00103JE	0 20	U		SW00102JE	0 20	U					
	08/27/93	SW00106JE	0 20	U	V	SW00105JE	0 20	U	V				
	09/07/93									SW00107JE	0 20	U	V
	09/08/93	SW00110JE	0 20	U	V	SW00109JE	0 20	U	V	SW00108JE	0 20	U	V
	09/09/93									SW00111JE	0 20	U	V
	09/10/93									SW00112JE	0 20	U	V
	09/11/93									SW00113JE	0 20	U	V
	09/12/93									SW00114JE	0 20	U	V
	09/13/93									SW00115JE	0 20	U	V
	09/14/93									SW00116JE	0 20	U	
	09/15/93									SW00117JE	0 20	U	
	09/16/93									SW00118JE	0 20	U	
	09/17/93									SW00119JE	0 20	U	
	09/18/93									SW00120JE	0 20	U	
	09/19/93									SW00121JE	0 20	U	
	09/20/93									SW00122JE	0 20	U	
	09/21/93	SW00125JE	0 20	U		SW00124JE	0 20	U					
	09/28/93	SW00128JE	0 20	U		SW00127JE	0 20	U					
MOLYBDENUM (Total)(CRDL 200)	05/08/91	SW01161WC	2	U	V	SW01163WC	5 7	U	V				
	06/20/91	SW01264WC	3	U	V	SW01266WC	3	U	JA				
	08/07/91	SW01473WC	3	U	JA	SW01475WC	10	U	V				

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program, EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Total Metals CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION
MOLYBDENUM (Total)(CRDL 200)											
	09/17/91	SW01579WC	6		V	SW01581WC	5 8	U	V		
	10/17/91					SW01687WC	5 8	U	V		
	10/21/91	SW01685WC	5 8	U	V						
	01/27/92	SW01807WC	6 5	U	V	SW01809WC	6 5	U	V		
	04/06/92	SW70259WC	3	U	V	SW70260WC	3 8		JA		
	04/22/92	SW70266WC	3 5	U	JA	SW70267WC	3 5	U	JA		
	04/27/92	SW01889WC	3 5	U	V	SW01891WC	3 5	U	V		
	05/06/92	SW70271WC	3	U	JA	SW70272WC	3 5	U	V		
	05/20/92	SW70285WC	3 5	U	V	SW70286WC	3 5	U	V		
	06/04/92	SW70290WC	3	U	V	SW70291WC	3	U	V		
	06/17/92	SW70293WC	3 5	U	V	SW70294WC	3 5	U	V		
	07/02/92	SW70296WC	17 1	U	V	SW70297WC	17 1	U	V		
	07/15/92					SW70300WC	17 1	U	V		
	07/29/92	SW70302WC	2 7	U	V	SW70303WC	2 7	U	V		
	08/12/92	SW70305WC	200	U	V	SW70306WC	7 2	U	V		
	08/20/92	SW02012WC	7 2	U	JA	SW02013WC	7 2	U	V		
	08/26/92	SW70310WC	2 7		JA	SW70309WC	2 7	U	V		
	09/08/92	SW70314WC	1 7		JA	SW70313WC	1 7	U	V		
	09/22/92	SW70315WC	1 7	U	JA	SW70316WC	1 7	U	JA		
	10/07/92	SW70321WC	1 7	U	V	SW70320WC	1 7	U	V		
	10/21/92	SW70324WC	1 7	U	JA	SW70323WC	5 3		JA		
	11/06/92					SW70326WC	1 8		JA		
	11/17/92					SW70329WC	2 3		JA		
	12/03/92					SW70332WC	1 9		JA		
	01/06/93					SW70340WC	3 4	U	V		
	01/13/93	SW70344WC	5	U	V	SW70343WC	5	U	V		

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated alue
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Total Metals CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION		
MOLYBDENUM (Total)(CRDL 200)													
	01/27/93	SW70347WC	6 5	U	V	SW70346WC	6 5	U	V				
	02/09/93	SW70350WC	5	U	V	SW70349WC	5	U	V				
	02/24/93	SW70353WC	5	U	V	SW70352WC	5	U	V				
	03/12/93					SW70001JE	6 5	U	V				
	03/23/93	SW70005JE	5	U	V	SW70004JE	5	U	V				
	04/07/93	SW70010JE	10 2	U	V	SW70009JE	10 2	U	V				
	04/22/93	SW70013JE	4 00	U	V	SW70012JE	4 00	U	V				
	05/05/93	SW70022JE	10 2	U	V	SW70020JE	10 2	U	V				
	05/19/93	SW70029JE	10 2	U	V	SW70028JE	10 2	U	V				
	06/02/93	SW70047JE	10 2	U	V	SW70046JE	10 2	U	V				
	06/16/93	SW70051JE	10 2	U	V	SW70050JE	10 2	U	V				
	06/30/93	SW70076JE	10 2	U		SW70075JE	10 2	U					
	07/14/93	SW70080JE	10 2	U		SW70079JE	10 2	U					
	07/28/93	SW70093JE	11 3		JA	SW70092JE	11 5		JA				
	08/11/93	SW00103JE	10 2	U		SW00102JE	10 2	U					
	08/27/93	SW00106JE	5 00	U	V	SW00105JE	5 00	U	V				
	09/07/93									SW00107JE	5 80	B	JA
	09/08/93	SW00110JE	5 00	U	V	SW00109JE	5 00	U	V	SW00108JE	7 90	B	JA
	09/09/93									SW00111JE	5 00	U	V
	09/10/93									SW00112JE	5 00	U	V
	09/11/93									SW00113JE	14 70	B	JA
	09/12/93									SW00114JE	5 00	U	V
	09/13/93									SW00115JE	5 00	U	V
	09/14/93									SW00116JE	13 00	B	
	09/15/93									SW00117JE	5 00	U	
	09/16/93									SW00118JE	5 00	U	

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Su face Water

Total Metals CLP & Non CLP
(Concentration Units ug/l)

YTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	
/BDENUM (Total)(CRDL 200)												
	09/17/93									SW00119JE	5 00	U
	09/18/93									SW00120JE	5 00	U
	09/19/93									SW00121JE	5 00	U
	09/20/93									SW00122JE	5 00	U
	09/21/93	SW00125JE	5 00	U		SW00124JE	5 00	U				
	09/28/93	SW00128JE	5 00	U		SW00127JE	5 00	U				
EL (Total)(CRDL 40)	05/08/91	SW01161WC	3	U	V	SW01163WC	14 7	U	V			
	06/20/91	SW01264WC	4	U	V	SW01266WC	4	U	V			
	08/07/91	SW01473WC	4	U	R	SW01475WC	10 7	U	V			
	09/17/91	SW01579WC	5 9	U	V	SW01581WC	5 9	U	V			
	10/17/91					SW01687WC	5 9	U	V			
	10/21/91	SW01685WC	5 9	U	V							
	01/27/92	SW01807WC	9 9	U	V	SW01809WC	9 9	U	V			
	04/06/92	SW70259WC	3	U	JA	SW70260WC	11 2	U	V			
	04/22/92	SW70266WC	11 2	U	V	SW70267WC	11 2	U	V			
	04/27/92	SW01889WC	11 2	U	V	SW01891WC	11 2	U	V			
	05/06/92	SW70271WC	5 2	U	JA	SW70272WC	11 2	U	V			
	05/20/92	SW70285WC	11 2	U	V	SW70286WC	11 2	U	V			
	06/04/92	SW70290WC	3 7	B	V	SW70291WC	3	U	V			
	06/17/92	SW70293WC	11 2	U	V	SW70294WC	11 2	U	V			
	07/02/92	SW70296WC	33 2	U	V	SW70297WC	33 2	U	V			
	07/15/92					SW70300WC	33 2	U	V			
	07/29/92	SW70302WC	6	U	V	SW70303WC	6	U	V			
	08/12/92	SW70305WC	40	U	V	SW70306WC	9 9	U	V			
	08/20/92	SW02012WC	9 9	U	V	SW02013WC	9 9	U	V			
	08/26/92	SW70310WC	6	U	V	SW70309WC	6	U	V			

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program, EG&G Rocky Flats, February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Up tream Su face W ter

Total Metals CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION		
NICKEL (Total)(CRDL 40)													
	09/08/92	SW70314WC	36 5		V	SW70313WC	2 6	U	V				
	09/22/92	SW70315WC	2 6	U	JA	SW70316WC	2 6	U	JA				
	10/07/92	SW70321WC	2 6	U	V	SW70320WC	2 6	U	V				
	10/21/92	SW70324WC	2 6	U	JA	SW70323WC	2 6	U	JA				
	11/06/92					SW70326WC	2 6	U	JA				
	11/17/92					SW70329WC	2 7		V				
	12/03/92					SW70332WC	2 6	U	V				
	01/06/93					SW70340WC	3	U	V				
	01/13/93	SW70344WC	5	U	V	SW70343WC	5	U	V				
	01/27/93	SW70347WC	11	U	V	SW70346WC	11	U	V				
	02/09/93	SW70350WC	5 6	B	V	SW70349WC	5	U	V				
	02/24/93	SW70353WC	5	U	JA	SW70352WC	5	U	JA				
	03/12/93					SW70001JE	11	U	V				
	03/23/93	SW70005JE	5	U	V	SW70004JE	5	U	V				
	04/07/93	SW70010JE	15 1	U	V	SW70009JE	15 1	U	V				
	04/22/93	SW70013JE	6 00	U	V	SW70012JE	6 00	U	V				
	05/05/93	SW70022JE	15 1	U	V	SW70020JE	15 1	U	V				
	05/19/93	SW70029JE	15 1	U	V	SW70028JE	15 1	U	V				
	06/02/93	SW70047JE	15 1	U	V	SW70046JE	15 1	U	V				
	06/16/93	SW70051JE	15 1	U	V	SW70050JE	15 1	U	V				
	06/30/93	SW70076JE	12 4	U		SW70075JE	12 4	U					
	07/14/93	SW70080JE	12 4	U		SW70079JE	12 4	U					
	07/28/93	SW70093JE	12 4	U	V	SW70092JE	12 4	U	V				
	08/11/93	SW00103JE	12 4	U		SW00102JE	12 4	U					
	08/27/93	SW00106JE	7 00	U	V	SW00105JE	7 00	U	V				
	09/07/93									SW00107JE	7 00	U	V

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface W ter

Total Metals CLP & Non CLP
(Concentration Units ug/l)

YTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION		
EL (Total)(CRDL 40)													
	09/08/93	SW00110JE	7 00	U	V	SW00109JE	7 00	U	V	SW00108JE	7 00	U	V
	09/09/93									SW00111JE	7 00	U	V
	09/10/93									SW00112JE	7 00	U	V
	09/11/93									SW00113JE	7 00	U	JA
	09/12/93									SW00114JE	7 00	U	V
	09/13/93									SW00115JE	7 00	U	JA
	09/14/93									SW00116JE	7 00	U	
	09/15/93									SW00117JE	7 00	U	
	09/16/93									SW00118JE	7 00	U	
	09/17/93									SW00119JE	7 00	U	
	09/18/93									SW00120JE	8 10	B	
	09/19/93									SW00121JE	7 00	U	
	09/20/93									SW00122JE	7 00	U	
	09/21/93	SW00125JE	7 00	U		SW00124JE	7 00	U					
	09/28/93	SW00128JE	7 00	U		SW00127JE	7 00	U					
\SSIUM (Total)(CRDL 5000)	05/08/91	SW01161WC	2470	B	V	SW01163WC	2050	U	V				
	06/20/91	SW01264WC	1600		V	SW01266WC	1400		V				
	08/07/91	SW01473WC	1100		V	SW01475WC	2760						
	09/17/91	SW01579WC	1660		V	SW01581WC	1290		V				
	10/17/91					SW01687WC	1230		V				
	10/21/91	SW01685WC	1200		V								
	01/27/92	SW01807WC	1980		V	SW01809WC	1980		V				
	04/06/92	SW70259WC	1230	B	V	SW70260WC	1790		JA				
	04/22/92	SW70266WC	1370		V	SW70267WC	1090		V				
	04/27/92	SW01889WC	996		JA	SW01891WC	965		JA				
	05/06/92	SW70271WC	1300	B	V	SW70272WC	1360		JA				

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Su face Water

T tal Metals CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION		
POTASSIUM (Total)(CRDL 5000)													
	05/20/92	SW70285WC	1150		JA	SW70286WC	1420		JA				
	06/04/92	SW70290WC	1750	B	V	SW70291WC	1830	B	V				
	06/17/92	SW70293WC	2520		JA	SW70294WC	2230		JA				
	07/02/92	SW70296WC	3060	U	V	SW70297WC	3060	U	V				
	07/15/92					SW70300WC	3060	U	V				
	07/29/92	SW70302WC	1260		V	SW70303WC	1290		V				
	08/12/92	SW70305WC	5000	U	V	SW70306WC	1640		V				
	08/20/92	SW02012WC	1550		V	SW02013WC	4630		V				
	08/26/92	SW70310WC	720		V	SW70309WC	1860		V				
	09/08/92	SW70314WC	920		V	SW70313WC	1230		V				
	09/22/92	SW70315WC	969		JA	SW70316WC	1370		JA				
	10/07/92	SW70321WC	976		V	SW70320WC	3010		V				
	10/21/92	SW70324WC	1020		JA	SW70323WC	3090		JA				
	11/06/92					SW70326WC	1810		JA				
	11/17/92					SW70329WC	1380		V				
	12/03/92					SW70332WC	1910		V				
	01/06/93					SW70340WC	1410		V				
	01/13/93	SW70344WC	917	B	V	SW70343WC	1820	B	V				
	01/27/93	SW70347WC	1760		JA	SW70346WC	2070		JA				
	02/09/93	SW70350WC	1790	B	JA	SW70349WC	3270	B	V				
	02/24/93	SW70353WC	1390	B	JA	SW70352WC	1480	B	JA				
	03/12/93					SW70001JE	4330		JA				
	03/23/93	SW70005JE	1060	B	V	SW70004JE	1710	B	V				
	04/07/93	SW70010JE	1300		V	SW70009JE	1350		V				
	04/22/93	SW70013JE	1600 00	B	V	SW70012JE	13600 00		V				
	05/05/93	SW70022JE	1650		V	SW70020JE	1650		V				

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but g·eater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Total Metals CLP & Non CLP
(Concentration Units ug/l)

YTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION		
\SSIUM (Total)(CRDL 5000)													
	05/19/93	SW70029JE	1010	U	V	SW70028JE	1460		V				
	06/02/93	SW70047JE	1010	U	V	SW70046JE	1010	U	V				
	06/16/93	SW70051JE	1010	U	V	SW70050JE	1470		V				
	06/30/93	SW70076JE	1280			SW70075JE	838	U					
	07/14/93	SW70080JE	1160			SW70079JE	2480						
	07/28/93	SW70093JE	1230		V	SW70092JE	1170		V				
	08/11/93	SW00103JE	838	U		SW00102JE	913						
	08/27/93	SW00106JE	1080 00	B	JA	SW00105JE	5880 00		V				
	09/07/93									SW00107JE	3180 00	B	V
	09/08/93	SW00110JE	846 00	B	JA	SW00109JE	2230 00	B	V	SW00108JE	3470 00	B	V
	09/09/93									SW00111JE	3580 00	B	V
	09/10/93									SW00112JE	3410 00	B	V
	09/11/93									SW00113JE	3600 00	B	V
	09/12/93									SW00114JE	3560 00	B	V
	09/13/93									SW00115JE	2150 00	B	V
	09/14/93									SW00116JE	2940 00	B	
	09/15/93									SW00117JE	3000 00	B	
	09/16/93									SW00118JE	3560 00	B	
	09/17/93									SW00119JE	3290 00	B	
	09/18/93									SW00120JE	2480 00	B	
	09/19/93									SW00121JE	3220 00	B	
	09/20/93									SW00122JE	3020 00	B	
	09/21/93	SW00125JE	806 00	B		SW00124JE	1220 00	B					
	09/28/93	SW00128JE	992 00	B		SW00127JE	924 00	B					
NIUM (Total)(CRDL 5)	05/08/91	SW01161WC	1	B	JA	SW01163WC	1 1	U	V				
	06/20/91	SW01264WC	4	U	V	SW01266WC	4	U	V				

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES. V Valid. A Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Total M tals CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION
SELENIUM (Total)(CRDL 5)											
	08/07/91	SW01473WC	4	UI	JA	SW01475WC	1 2	U	V		
	09/17/91	SW01579WC	1 2	U	V	SW01581WC	1 2	U	V		
	10/17/91					SW01687WC	1 5	U	V		
	10/21/91	SW01685WC	1 5	U	V						
	01/27/92	SW01807WC	1	U	V	SW01809WC	1	U	V		
	04/06/92	SW70259WC	1	U	V	SW70260WC	1 3		JA		
	04/22/92	SW70266WC	8	U	V	SW70267WC	8	U	V		
	04/27/92	SW01889WC	7	U	JA	SW01891WC	7	U	JA		
	05/06/92	SW70271WC	1	U	V	SW70272WC	1 8		JA		
	05/20/92	SW70285WC	1 9		JA	SW70286WC	1 4		JA		
	06/04/92	SW70290WC	1	U	V	SW70291WC	1	U	V		
	06/17/92	SW70293WC	1 5		JA	SW70294WC	1 3		JA		
	07/02/92	SW70296WC	1	U	JA	SW70297WC	1	U	V		
	07/15/92					SW70300WC	1 5	B	V		
	07/29/92	SW70302WC	3 6	U	JA	SW70303WC	3 6	UW	JA		
	08/12/92	SW70305WC	5	U	V	SW70306WC	1 4	U	V		
	08/20/92	SW02012WC	1 4	U	JA	SW02013WC	1 4	U	JA		
	08/26/92	SW70310WC	2 9	U	JA	SW70309WC	3 4	W	JA		
	09/08/92	SW70314WC	3 9	U	V	SW70313WC	3 9	UW	V		
	09/22/92	SW70315WC	2 9	U	JA	SW70316WC	2 9	U	JA		
	10/07/92	SW70321WC	3 9	U	JA	SW70320WC	3 9	U	JA		
	10/21/92	SW70324WC	3 1		JA	SW70323WC	2 9	U	JA		
	11/06/92					SW70326WC	2 9	U	JA		
	11/17/92					SW70329WC	2 9	UI	JA		
	12/03/92					SW70332WC	3 1	UI	JA		
	01/06/93					SW70340WC	3 1	U	JA		

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program, EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

T tal Metals CLP & Non CLP
(Concentration Units ug/l)

YTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION		
NIUM (Total)(CRDL 5)													
	01/13/93	SW70344WC	1 1	B	V	SW70343WC	3	B	V				
	01/27/93	SW70347WC	1 3	U	JA	SW70346WC	1 3	U	JA				
	02/09/93	SW70350WC	1	U	V	SW70349WC	1	U	V				
	02/24/93	SW70353WC	1	U	V	SW70352WC	1	B	V				
	03/12/93					SW70001JE	1 3	U	JA				
	03/23/93	SW70005JE	1	U	V	SW70004JE	1	U	V				
	04/07/93	SW70010JE	1 2	U	V	SW70009JE	2		V				
	04/22/93	SW70013JE	1 00	U	V	SW70012JE	2 50	B	V				
	05/05/93	SW70022JE	1 4	U	V	SW70020JE	1 4	U	JA				
	05/19/93	SW70029JE	1 4	U	V	SW70028JE	1 4	U	V				
	06/02/93	SW70047JE	1 2		V	SW70046JE	1 6		V				
	06/16/93	SW70051JE	1 7		JA	SW70050JE	1 6		JA				
	06/30/93	SW70076JE	1 1	U		SW70075JE	1 1	U					
	07/14/93	SW70080JE	1 1			SW70079JE	1 1	U					
	07/28/93	SW70093JE	1 1	U	V	SW70092JE	1 1	U	V				
	08/11/93	SW00103JE	1 1	U		SW00102JE	1 1	U					
	08/27/93	SW00106JE	1 00	U	V	SW00105JE	1 60	B	V				
	09/07/93									SW00107JE	2 90	B	V
	09/08/93	SW00110JE	1 00	B	V	SW00109JE	1 00	U	V	SW00108JE	3 70	B	V
	09/09/93									SW00111JE	4 30	B	JA
	09/10/93									SW00112JE	4 50	B	JA
	09/11/93									SW00113JE	4 80	B	JA
	09/12/93									SW00114JE	5 20		V
	09/13/93									SW00115JE	1 00	UW	V
	09/14/93									SW00116JE	2 50	B	
	09/15/93									SW00117JE	3 40	B	

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol, ER Program, EG&G Rocky Flats, February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surfa e Water

Total Met ls CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	
SELENIUM (Total)(CRDL 5)												
	09/16/93									SW00118JE	3 50	B
	09/17/93									SW00119JE	3 70	B
	09/18/93									SW00120JE	1 60	B
	09/19/93									SW00121JE	2 60	B
	09/20/93									SW00122JE	3 60	B
	09/21/93	SW00125JE	2 00	U		SW00124JE	2 00	U				
	09/28/93	SW00125JE	2 00	U		SW00124JE	2 00	U				
SILICON (Total)	05/08/91					SW01163WC	4270		V			
	06/20/91	SW01264WC	7320		V	SW01266WC	5140		V			
	07/12/91					SW01369WC	4470		JA			
	08/07/91	SW01473WC	4860			SW01475WC	4740		V			
	09/17/91	SW01579WC	6680		V	SW01581WC	5010		V			
	10/17/91					SW01687WC	5540		V			
	10/21/91	SW01685WC	9630		V							
	01/27/92	SW01807WC	13000		V	SW01809WC	6840		V			
	04/06/92	SW70259WC	6290		V	SW70260WC	4990		JA			
	04/22/92	SW70266WC	8340		V	SW70267WC	5230		V			
	04/27/92	SW01889WC	6020		V	SW01891WC	4690		V			
	05/06/92	SW70271WC	7960		V	SW70272WC	5760		JA			
	05/20/92	SW70285WC	7830		JA	SW70286WC	5390		JA			
	06/04/92	SW70290WC	7170		V	SW70291WC	5180		V			
	06/17/92	SW70293WC	7420		V	SW70294WC	5620		V			
	07/02/92	SW70296WC	8280		V	SW70297WC	6060		V			
	07/15/92					SW70300WC	5540		JA			
	07/29/92	SW70302WC	7220		JA	SW70303WC	6070		JA			
	08/12/92	SW70305WC	5740		V	SW70306WC	5410		V			

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface W ter

Total Metals CLP & Non CLP
(Concentration Units ug/l)

YTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION		STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION		STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION
!CON (Total)									
	08/20/92	SW02012WC	6160	V	SW02013WC	5240	V		
	08/26/92	SW70310WC	4750	JA	SW70309WC	5260	JA		
	09/08/92	SW70314WC	7210	JA	SW70313WC	6430	JA		
	09/22/92	SW70315WC	6500	JA	SW70316WC	5930	JA		
	10/07/92	SW70321WC	6570	JA	SW70320WC	5790	JA		
	10/21/92	SW70324WC	6610	JA	SW70323WC	5130	JA		
	11/06/92				SW70326WC	5770	JA		
	11/17/92				SW70329WC	5220	JA		
	12/03/92				SW70332WC	5180	JA		
	01/06/93				SW70340WC	6200	JA		
	01/13/93	SW70344WC	5230	V	SW70343WC	5660	V		
	01/27/93	SW70347WC	7470	V	SW70346WC	5800	V		
	02/09/93	SW70350WC	13600	V	SW70349WC	4590	V		
	02/24/93	SW70353WC	5990	V	SW70352WC	6560	V		
	03/12/93				SW70001JE	13300	V		
	03/23/93	SW70005JE	5810	V	SW70004JE	4570	V		
	04/07/93	SW70010JE	4860	V	SW70009JE	4660	V		
	04/22/93	SW70013JE	5230 00	V	SW70012JE	4380 00	V		
	05/05/93	SW70022JE	5640	V	SW70020JE	5080	V		
	05/19/93	SW70029JE	9260	V	SW70028JE	5090	V		
	06/02/93	SW70047JE	5810	V	SW70046JE	4940	V		
	06/16/93	SW70051JE	6080	V	SW70050JE	5240	V		
	06/30/93	SW70076JE	5790		SW70075JE	5470			
	07/14/93	SW70080JE	6000		SW70079JE	4590			
	07/28/93	SW70093JE	5620	V	SW70092JE	5880	V		
	08/11/93	SW00103JE	5990		SW00102JE	5490			

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Total Metals CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	
SILICON (Total)												
	08/27/93	SW00106JE	6430 00		V	SW00105JE	4270 00		V			
	09/07/93									SW00107JE	5190 00	V
	09/08/93	SW00110JE	5960 00		V	SW00109JE	5010 00		V	SW00108JE	5860 00	V
	09/09/93									SW00111JE	6780 00	V
	09/10/93									SW00112JE	6720 00	V
	09/11/93									SW00113JE	6810 00	V
	09/12/93									SW00114JE	6900 00	V
	09/13/93									SW00115JE	6390 00	V
	09/14/93									SW00116JE	5110 00	
	09/15/93									SW00117JE	6030 00	
	09/16/93									SW00118JE	6380 00	
	09/17/93									SW00119JE	6470 00	
	09/18/93									SW00120JE	5110 00	
	09/19/93									SW00121JE	5810 00	
	09/20/93									SW00122JE	6240 00	
	09/21/93	SW00125JE	5450 00	N		SW00124JE	5580 00	N				
	09/28/93	SW00128JE	6050 00	N		SW00127JE	5690 00	N				
SILVER (Total)(CRDL 10)	05/08/91	SW01161WC	2	U	V	SW01163WC	5	U	JA			
	06/20/91	SW01264WC	2	U	V	SW01266WC	2	U	V			
	08/07/91	SW01473WC	2	U	V	SW01475WC	6 8	U	V			
	09/17/91	SW01579WC	2 9	U	V	SW01581WC	2 9	U	V			
	10/17/91					SW01687WC	2 9	U	V			
	10/21/91	SW01685WC	2 9	U	V							
	01/27/92	SW01807WC	2 5	U	JA	SW01809WC	2 5	U	JA			
	04/06/92	SW70259WC	2	U	V	SW70260WC	2 1	U	V			
	04/22/92	SW70266WC	2 1	U	V	SW70267WC	2 1	U	V			

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported alue was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program, EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Total Metals CLP & Non CLP
(Concentration Units ug/l)

LYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION
VER (Total)(CRDL 10)											
	04/27/92	SW01889WC	2 1	U	JA	SW01891WC	2 1	U	JA		
	05/06/92	SW70271WC	2	U	R	SW70272WC	2 1	U	V		
	05/20/92	SW70285WC	2 1	U	V	SW70286WC	8 3		JA		
	06/04/92	SW70290WC	2	U	V	SW70291WC	2	U	V		
	06/17/92	SW70293WC	2 1	U	V	SW70294WC	2 1	U	V		
	07/02/92	SW70296WC	4	U	V	SW70297WC	4	U	V		
	07/15/92					SW70300WC	4	U	V		
	07/29/92	SW70302WC	2 3	U	V	SW70303WC	2 3	U	V		
	08/12/92	SW70305WC	10	U	V	SW70306WC	2	U	V		
	08/20/92	SW02012WC	2	U	V	SW02013WC	2		JA		
	08/26/92	SW70310WC	2 3	U	V	SW70309WC	2 3	U	V		
	09/08/92	SW70314WC	3 6	U	V	SW70313WC	3 6	U	V		
	09/22/92	SW70315WC	3 6	U	JA	SW70316WC	3 6	U	JA		
	10/07/92	SW70321WC	3 6	U	V	SW70320WC	3 6	U	V		
	10/21/92	SW70324WC	3 6	U	JA	SW70323WC	5 4		JA		
	11/06/92					SW70326WC	3 6	U	JA		
	11/17/92					SW70329WC	3 6	U	V		
	12/03/92					SW70332WC	3 6	U	V		
	01/06/93					SW70340WC	3 9	U	V		
	01/13/93	SW70344WC	3	U	V	SW70343WC	3	U	V		
	01/27/93	SW70347WC	3 6	U	V	SW70346WC	3 6	U	V		
	02/09/93	SW70350WC	3	U	V	SW70349WC	3	U	V		
	02/24/93	SW70353WC	3	U	V	SW70352WC	3	U	V		
	03/12/93					SW70001JE	3 6	U	V		
	03/23/93	SW70005JE	3	U	V	SW70004JE	3	U	V		
	04/07/93	SW70010JE	4 8	U	V	SW70009JE	4 8	U	V		

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Total Metals CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION		
SILVER (Total)(CRDL 10)													
	04/22/93	SW70013JE	3 00	U	V	SW70012JE	3 00	U	V				
	05/05/93	SW70022JE	4 8	U	V	SW70020JE	4 8	U	V				
	05/19/93	SW70029JE	4 8	U	V	SW70028JE	4 8	U	V				
	06/02/93	SW70047JE	4 8	U	V	SW70046JE	4 8	U	V				
	06/16/93	SW70051JE	4 8	U	V	SW70050JE	4 8	U	V				
	06/30/93	SW70076JE	3 2	U		SW70075JE	3 2	U					
	07/14/93	SW70080JE	3 2	U		SW70079JE	3 2	U					
	07/28/93	SW70093JE	3 2	U	V	SW70092JE	3 2	U	V				
	08/11/93	SW00103JE	3 2	U		SW00102JE	3 2	U					
	08/27/93	SW00106JE	3 00	U	V	SW00105JE	3 00	U	V				
	09/07/93									SW00107JE	3 00	U	V
	09/08/93	SW00110JE	3 00	U	V	SW00109JE	3 00	U	V	SW00108JE	3 00	U	V
	09/09/93									SW00111JE	3 00	U	V
	09/10/93									SW00112JE	3 00	U	V
	09/11/93									SW00113JE	3 00	U	V
	09/12/93									SW00114JE	3 00	U	V
	09/13/93									SW00115JE	3 00	U	V
	09/14/93									SW00116JE	3 00	U	
	09/15/93									SW00117JE	3 00	U	
	09/16/93									SW00118JE	3 00	U	
	09/17/93									SW00119JE	3 00	U	
	09/18/93									SW00120JE	3 00	U	
	09/19/93									SW00121JE	3 00	U	
	09/20/93									SW00122JE	3 00	U	
	09/21/93	SW00125JE	3 00	U		SW00124JE	3 00	U					
	09/28/93	SW00128JE	3 00	U		SW00127JE	3 00	U					

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V = Valid A Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Total Metals CLP & Non CLP
(Concentration Units ug/l)

YTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION		STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION		STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION
IUM (Total)(CRDL 5000)	05/08/91	SW01161WC	38900	V	SW01163WC	42000	V		
	06/20/91	SW01264WC	36000	V	SW01266WC	33000	V		
	08/07/91	SW01473WC	19000	V	SW01475WC	30200	JA		
	09/17/91	SW01579WC	39800	V	SW01581WC	31700	V		
	10/17/91				SW01687WC	31000	V		
	10/21/91	SW01685WC	37600	V					
	01/27/92	SW01807WC	44000	V	SW01809WC	42500	V		
	04/06/92	SW70259WC	40700	V	SW70260WC	33800	V		
	04/22/92	SW70266WC	38100	V	SW70267WC	31200	V		
	04/27/92	SW01889WC	36400	V	SW01891WC	30200	V		
	05/06/92	SW70271WC	40600	V	SW70272WC	31400	V		
	05/20/92	SW70285WC	40100	V	SW70286WC	33300	V		
	06/04/92	SW70290WC	34700	V	SW70291WC	36100	V		
	06/17/92	SW70293WC	33300	V	SW70294WC	31300	V		
	07/02/92	SW70296WC	42500	V	SW70297WC	35700	V		
	07/15/92				SW70300WC	35500	V		
	07/29/92	SW70302WC	40900	V	SW70303WC	37300	V		
	08/12/92	SW70305WC	39100	V	SW70306WC	38300	V		
	08/20/92	SW02012WC	36900	V	SW02013WC	30800	V		
	08/26/92	SW70310WC	21800	V	SW70309WC	30800	V		
	09/08/92	SW70314WC	40300	V	SW70313WC	34000	V		
	09/22/92	SW70315WC	35700	JA	SW70316WC	30200	JA		
	10/07/92	SW70321WC	35500	V	SW70320WC	31000	V		
	10/21/92	SW70324WC	36300	JA	SW70323WC	27300	JA		
	11/06/92				SW70326WC	35700	JA		
	11/17/92				SW70329WC	31700	V		

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Total Metals CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION		STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION		STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	
SODIUM (Total)(CRDL 5000)										
	12/03/92				SW70332WC	43300	V			
	01/06/93				SW70340WC	33100	V			
	01/13/93	SW70344WC	38900	V	SW70343WC	38300	V			
	01/27/93	SW70347WC	39700	V	SW70346WC	30900	V			
	02/09/93	SW70350WC	42200	V	SW70349WC	33200	V			
	02/24/93	SW70353WC	61600	V	SW70352WC	45000	V			
	03/12/93				SW70001JE	48400	V			
	03/23/93	SW70005JE	53300	V	SW70004JE	47400	V			
	04/07/93	SW70010JE	40800	V	SW70009JE	37600	V			
	04/22/93	SW70013JE	40800 00	V	SW70012JE	44100 00	V			
	05/05/93	SW70022JE	37200	V	SW70020JE	34900	V			
	05/19/93	SW70029JE	29700	V	SW70028JE	38700	V			
	06/02/93	SW70047JE	37600	V	SW70046JE	38500	V			
	06/16/93	SW70051JE	38400	V	SW70050JE	34300	V			
	06/30/93	SW70076JE	36700		SW70075JE	36100				
	07/14/93	SW70080JE	38000		SW70079JE	21800				
	07/28/93	SW70093JE	38500	V	SW70092JE	35900	V			
	08/11/93	SW00103JE	38500		SW00102JE	34600				
	08/27/93	SW00106JE	41400 00	V	SW00105JE	53400 00	V			
	09/07/93							SW00107JE	41400 00	V
	09/08/93	SW00110JE	40200 00	V	SW00109JE	33600 00	V	SW00108JE	56200 00	V
	09/09/93							SW00111JE	67500 00	V
	09/10/93							SW00112JE	67300 00	V
	09/11/93							SW00113JE	70100 00	V
	09/12/93							SW00114JE	73900 00	V
	09/13/93							SW00115JE	7820 00	V

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Total Metals CLP & Non CLP
(Concentration Units ug/l)

YTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION		STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION		STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION
UM (Total)(CRDL 5000)									
	09/14/93							SW00116JE	48700 00
	09/15/93							SW00117JE	60000 00
	09/16/93							SW00118JE	67600 00
	09/17/93							SW00119JE	69800 00
	09/18/93							SW00120JE	30100 00
	09/19/93							SW00121JE	54300 00
	09/20/93							SW00122JE	64300 00
	09/21/93	SW00125JE	30800 00		SW00124JE	43200 00			
	09/28/93	SW00128JE	39900 00		SW00127JE	40800 00			
NTIUM (Total)(CRDL 200)	05/08/91	SW01161WC	529	V	SW01163WC	482	V		
	06/20/91	SW01264WC	700	JA	SW01266WC	470	JA		
	08/07/91	SW01473WC	310	JA	SW01475WC	384	V		
	09/17/91	SW01579WC	707	V	SW01581WC	435	V		
	10/17/91				SW01687WC	420	V		
	10/21/91	SW01685WC	713	V					
	01/27/92	SW01807WC	823	V	SW01809WC	526	V		
	04/06/92	SW70259WC	788	V	SW70260WC	477	V		
	04/22/92	SW70266WC	799	V	SW70267WC	494	V		
	04/27/92	SW01889WC	777	V	SW01891WC	494	V		
	05/06/92	SW70271WC	829	V	SW70272WC	528	V		
	05/20/92	SW70285WC	878	V	SW70286WC	524	V		
	06/04/92	SW70290WC	740	V	SW70291WC	491	V		
	06/17/92	SW70293WC	750	V	SW70294WC	494	V		
	07/02/92	SW70296WC	914	V	SW70297WC	510	V		
	07/15/92				SW70300WC	524	V		
	07/29/92	SW70302WC	839	V	SW70303WC	504	V		

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
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OPERABLE UNIT NO 2 IM/IRA
Upst eam Surface Water

Total Metals CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION		STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION		STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION
STRONTIUM (Total)(CRDL 200)									
	08/12/92	SW70305WC	873	V	SW70306WC	506	V		
	08/20/92	SW02012WC	749	V	SW02013WC	388	V		
	08/26/92	SW70310WC	384	V	SW70309WC	390	V		
	09/08/92	SW70314WC	805	V	SW70313WC	492	V		
	09/22/92	SW70315WC	716	JA	SW70316WC	454	JA		
	10/07/92	SW70321WC	760	V	SW70320WC	459	V		
	10/21/92	SW70324WC	756	JA	SW70323WC	342	JA		
	11/06/92				SW70326WC	475	JA		
	11/17/92				SW70329WC	463	V		
	12/03/92				SW70332WC	486	V		
	01/06/93				SW70340WC	495	JA		
	01/13/93	SW70344WC	641	V	SW70343WC	531	V		
	01/27/93	SW70347WC	755	V	SW70346WC	439	V		
	02/09/93	SW70350WC	748	V	SW70349WC	354	V		
	02/24/93	SW70353WC	681	V	SW70352WC	517	V		
	03/12/93				SW70001JE	364	V		
	03/23/93	SW70005JE	692	V	SW70004JE	533	V		
	04/07/93	SW70010JE	609	V	SW70009JE	411	V		
	04/22/93	SW70013JE	691 00	V	SW70012JE	498 00	V		
	05/05/93	SW70022JE	728	V	SW70020JE	496	V		
	05/19/93	SW70029JE	462	V	SW70028JE	503	V		
	06/02/93	SW70047JE	666	V	SW70046JE	508	V		
	06/16/93	SW70051JE	728	V	SW70050JE	506	V		
	06/30/93	SW70076JE	746		SW70075JE	513			
	07/14/93	SW70080JE	770		SW70079JE	264			
	07/28/93	SW70093JE	731	V	SW70092JE	533	V		

QUALIFIER CODES U = Analyzed but not detected B Reported value is less than CRDL but greater than IDL
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S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Total Metals CLP & Non CLP
(Concentration Units ug/l)

YTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION		
NTIUM (Total)(CRDL 200)													
	08/11/93	SW00103JE	754			SW00102JE	502						
	08/27/93	SW00106JE	782 00		V	SW00105JE	433 00		V				
	09/07/93									SW00107JE	411 00		V
	09/08/93	SW00110JE	731 00		V	SW00109JE	410 00		V	SW00108JE	497 00		V
	09/09/93									SW00111JE	629 00		V
	09/10/93									SW00112JE	639 00		V
	09/11/93									SW00113JE	683 00		V
	09/12/93									SW00114JE	714 00		V
	09/13/93									SW00115JE	74 20	B	V
	09/14/93									SW00116JE	456 00		
	09/15/93									SW00117JE	585 00		
	09/16/93									SW00118JE	680 00		
	09/17/93									SW00119JE	712 00		
	09/18/93									SW00120JE	347 00		
	09/19/93									SW00121JE	547 00		
	09/20/93									SW00122JE	659 00		
	09/21/93	SW00125JE	577 00			SW00124JE	540 00						
	09/28/93	SW00128JE	785 00			SW00127JE	527 00						
LIUM (Total)(CRDL 10)	05/08/91	SW01161WC	1	UW	JA	SW01163WC	1 8		JA				
	06/20/91	SW01264WC	1	UW	JA	SW01266WC	1	UW	JA				
	08/07/91	SW01473WC	1	UI	JA	SW01475WC	1 6	U	V				
	09/17/91	SW01579WC	2 4	U	V	SW01581WC	12	U	V				
	10/17/91					SW01687WC	1 9	U	V				
	10/21/91	SW01685WC	1 9	U	V								
	01/27/92	SW01807WC	2	U	V	SW01809WC	2	U	V				
	04/06/92	SW70259WC	1	UW	JA	SW70260WC	1 7	U	JA				

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Total Metals CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION
THALLIUM (Total)(CRDL 10)											
	04/22/92	SW70266WC	2	U	V	SW70267WC	2	U	V		
	04/27/92	SW01889WC	2	U	JA	SW01891WC	2	U	JA		
	05/06/92	SW70271WC	1	UWN	JA	SW70272WC	2	U	JA		
	05/20/92	SW70285WC	2	U	JA	SW70286WC	2	U	JA		
	06/04/92	SW70290WC	1	U	V	SW70291WC	1	U	V		
	06/17/92	SW70293WC	1 6	U	V	SW70294WC	1 6	U	V		
	07/02/92	SW70296WC	1	U	V	SW70297WC	1	B	V		
	07/15/92					SW70300WC	1	U	JA		
	07/29/92	SW70302WC	3 8	U	JA	SW70303WC	3 8	UW	JA		
	08/12/92	SW70305WC	10	U	V	SW70306WC	1 8	U	V		
	08/20/92	SW02012WC	1 8	U	V	SW02013WC	1 8	U	V		
	08/26/92	SW70310WC	3 8	UW	JA	SW70309WC	3 8	U	V		
	09/08/92	SW70314WC	1 3	UW	V	SW70313WC	1 3	U	V		
	09/22/92	SW70315WC	6 5	UW	R	SW70316WC	1 3	UW	R		
	10/07/92	SW70321WC	3 8	U	V	SW70320WC	3 8	U	V		
	10/21/92	SW70324WC	1 3	UI	JA	SW70323WC	1 3	UI	JA		
	11/06/92					SW70326WC	3 8	U	JA		
	11/17/92					SW70329WC	1 7	UI	JA		
	12/03/92					SW70332WC	1 9	UI	JA		
	01/06/93					SW70340WC	1 5	UI	JA		
	01/13/93	SW70344WC	1	U	JA	SW70343WC	1	U	JA		
	01/27/93	SW70347WC	1 5	U	JA	SW70346WC	1 5	U	JA		
	02/09/93	SW70350WC	1	UW	JA	SW70349WC	1	UW	JA		
	02/24/93	SW70353WC	1	U	V	SW70352WC	1	U	V		
	03/12/93					SW70001JE	1 6	U	JA		
	03/23/93	SW70005JE	1	U	V	SW70004JE	1	U	V		

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Total Metals CLP & Non CLP
(Concentration Units ug/l)

YTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION		
LIUM (Total)(CRDL 10)													
	04/07/93	SW70010JE	1 7	U	V	SW70009JE	1 7	U	V				
	04/22/93	SW70013JE	1 00	U	JA	SW70012JE	1 00	U	JA				
	05/05/93	SW70022JE	1 7	U	JA	SW70020JE	1 7	U	JA				
	05/19/93	SW70029JE	1 7	U	JA	SW70028JE	1 7	U	JA				
	06/02/93	SW70047JE	1 7	U	JA	SW70046JE	1 7	U	V				
	06/16/93	SW70051JE	1 1	U	V	SW70050JE	1 1	U	V				
	06/30/93	SW70076JE	1 1	U		SW70075JE	1 1	U					
	07/14/93	SW70080JE	1 7	U		SW70079JE	1 7	U					
	07/28/93	SW70093JE	1 3	U	R	SW70092JE	1 3	U	R				
	08/11/93	SW00103JE	1 3	U		SW00102JE	1 3	U					
	08/27/93	SW00106JE	1 00	UWN	JA	SW00105JE	1 00	UWN	JA				
	09/07/93									SW00107JE	1 00	UWN	JA
	09/08/93	SW00110JE	1 00	UWN	JA	SW00109JE	1 00	UWN	JA	SW00108JE	1 00	UWN	JA
	09/09/93									SW00111JE	1 00	UWN	JA
	09/10/93									SW00112JE	1 00	UWN	JA
	09/11/93									SW00113JE	1 00	BWN	JA
	09/12/93									SW00114JE	1 00	UWN	JA
	09/13/93									SW00115JE	1 00	UN	JA
	09/14/93									SW00116JE	1 00	U	
	09/15/93									SW00117JE	1 00	U	
	09/16/93									SW00118JE	1 00	U	
	09/17/93									SW00119JE	1 00	U	
	09/18/93									SW00120JE	1 00	U	
	09/19/93									SW00121JE	1 00	U	
	09/20/93									SW00122JE	1 00	U	
	09/21/93	SW00125JE	1 00	U		SW00124JE	1 00	UW					

QUALIFIER CODES U Analyzed but not detected B = Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits = duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Total Metals CLP & Non CLP
(Concent ation Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION
THALLIUM (Total)(CRDL 10)											
	09/28/93	SW00128JE	1 00	UW		SW00127JE	1 00	U			
TIN (Total)(CRDL 200)	05/08/91	SW01161WC	11 2	B	V	SW01163WC	14 8	U	V		
	06/20/91	SW01264WC	13	U	JA	SW01266WC	13	U	JA		
	08/07/91	SW01473WC	13	U	R	SW01475WC	38 9	U	V		
	09/17/91	SW01579WC	10 4	U	V	SW01581WC	10 4	U	V		
	10/17/91					SW01687WC	10 4	U	V		
	10/21/91	SW01685WC	10 4	U	V						
	01/27/92	SW01807WC	14 2	U	V	SW01809WC	14 2	U	V		
	04/06/92	SW70259WC	23	U	V	SW70260WC	9 4	U	V		
	04/22/92	SW70266WC	15 5		JA	SW70267WC	15 2		JA		
	04/27/92	SW01889WC	9 4	U	V	SW01891WC	9 4	U	V		
	05/06/92	SW70271WC	23	U	V	SW70272WC	9 4	U	V		
	05/20/92	SW70285WC	9 4	U	V	SW70286WC	9 4	U	V		
	06/04/92	SW70290WC	23	U	V	SW70291WC	23	U	V		
	06/17/92	SW70293WC	9 4	U	V	SW70294WC	9 8		V		
	07/02/92	SW70296WC	64 3	U	V	SW70297WC	64 3	U	V		
	07/15/92					SW70300WC	64 3	U	V		
	07/29/92	SW70302WC	12 5	U	V	SW70303WC	12 5	U	V		
	08/12/92	SW70305WC	200	U	V	SW70306WC	13 7	U	V		
	08/20/92	SW02012WC	13 7	U	V	SW02013WC	13 7	U	V		
	08/26/92	SW70310WC	12 5	U	V	SW70309WC	12 5	U	V		
	09/08/92	SW70314WC	6 2	U	V	SW70313WC	6 2	U	V		
	09/22/92	SW70315WC	6 2	U	JA	SW70316WC	6 2	U	JA		
	10/07/92	SW70321WC	6 2	U	V	SW70320WC	6 2	U	V		
	10/21/92	SW70324WC	6 2	U	JA	SW70323WC	6 2	U	JA		
	11/06/92					SW70326WC	6 2	U	JA		

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside cont ol limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upst eam Surface Water

Total Metals CLP & Non CLP
(Concentration Units ug/l)

YTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION		
(Total)(CRDL 200)													
	11/17/92					SW70329WC	6 2	U	V				
	12/03/92					SW70332WC	6 2	U	V				
	01/06/93					SW70340WC	9 3	U	V				
	01/13/93	SW70344WC	13	U	V	SW70343WC	13	U	V				
	01/27/93	SW70347WC	16 7	U	V	SW70346WC	16 7	U	V				
	02/09/93	SW70350WC	13	U	JA	SW70349WC	13	U	JA				
	02/24/93	SW70353WC	13	U	V	SW70352WC	13	U	V				
	03/12/93					SW70001JE	16 7	U	V				
	03/23/93	SW70005JE	13	U	V	SW70004JE	13	U	V				
	04/07/93	SW70010JE	21 2	U	V	SW70009JE	21 2	U	V				
	04/22/93	SW70013JE	10 00	U	V	SW70012JE	10 00	U	V				
	05/05/93	SW70022JE	21 2	U	V	SW70020JE	21 2	U	V				
	05/19/93	SW70029JE	21 2	U	V	SW70028JE	21 2	U	V				
	06/02/93	SW70047JE	21 2	U	V	SW70046JE	21 2	U	V				
	06/16/93	SW70051JE	21 2	U	V	SW70050JE	21 2	U	V				
	06/30/93	SW70076JE	29 9	U		SW70075JE	29 9	U					
	07/14/93	SW70080JE	29 9	U		SW70079JE	29 9	U					
	07/28/93	SW70093JE	29 9	U	V	SW70092JE	29 9	U	V				
	08/11/93	SW00103JE	29 9	U		SW00102JE	29 9	U					
	08/27/93	SW00106JE	13 00	U	V	SW00105JE	13 00	U	V				
	09/07/93									SW00107JE	13 00	U	V
	09/08/93	SW00110JE	13 00	U	V	SW00109JE	13 00	U	V	SW00108JE	13 00	U	V
	09/09/93									SW00111JE	13 00	U	V
	09/10/93									SW00112JE	16 30	B	JA
	09/11/93									SW00113JE	13 00	U	V
	09/12/93									SW00114JE	13 00	U	V

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Total Metals CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION		
TIN (Total)(CRDL 200)													
	09/13/93									SW00115JE	13 00	U	V
	09/14/93									SW00116JE	13 00	U	
	09/15/93									SW00117JE	13 00	U	
	09/16/93									SW00118JE	13 00	U	
	09/17/93									SW00119JE	13 00	U	
	09/18/93									SW00120JE	13 00	U	
	09/19/93									SW00121JE	13 00	U	
	09/20/93									SW00122JE	13 00	U	
	09/21/93	SW00125JE	13 00	U		SW00124JE	13 00	U					
	09/28/93	SW00128JE	13 00	U		SW00127JE	13 00	U					
VANADIUM (Total)(CRDL 50)	05/08/91	SW01161WC	3	B	V	SW01163WC	5 7	U	V				
	06/20/91	SW01264WC	5 7		V	SW01266WC	2 9		V				
	08/07/91	SW01473WC	3 4		V	SW01475WC	6 5	U	V				
	09/17/91	SW01579WC	5 4		JA	SW01581WC	2 3	U	V				
	10/17/91					SW01687WC	2 3	U	V				
	10/21/91	SW01685WC	4 3		V								
	01/27/92	SW01807WC	11		V	SW01809WC	4 7	U	V				
	04/06/92	SW70259WC	9 4	U	JA	SW70260WC	3 5	U	V				
	04/22/92	SW70266WC	5 6		JA	SW70267WC	3 5	U	V				
	04/27/92	SW01889WC	3 5	U	V	SW01891WC	3 5	U	V				
	05/06/92	SW70271WC	11 9	B	V	SW70272WC	3 5	U	V				
	05/20/92	SW70285WC	3 5		V	SW70286WC	3 5	U	V				
	06/04/92	SW70290WC	11 3	B	V	SW70291WC	8	B	V				
	06/17/92	SW70293WC	4 2		JA	SW70294WC	3 9		JA				
	07/02/92	SW70296WC	4 7	U	JA	SW70297WC	3 8	U	V				
	07/15/92					SW70300WC	3 8	U	V				

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside cont ol limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Total Metals CLP & Non CLP
(Concentration Units ug/l)

LYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION
ADIUM (Total)(CRDL 50)											
	07/29/92	SW70302WC	3 8		V	SW70303WC	3 3	U	V		
	08/12/92	SW70305WC	50	U	JA	SW70306WC	2 9	U	V		
	08/20/92	SW02012WC	2 9	U	V	SW02013WC	3 7		V		
	08/26/92	SW70310WC	3 3	U	V	SW70309WC	3 3	U	V		
	09/08/92	SW70314WC	2 5	U	V	SW70313WC	2 5	U	V		
	09/22/92	SW70315WC	2 5	U	JA	SW70316WC	2 5	U	JA		
	10/07/92	SW70321WC	2 6		V	SW70320WC	4 2		V		
	10/21/92	SW70324WC	2 5	U	JA	SW70323WC	5 4		JA		
	11/06/92					SW70326WC	2 9		JA		
	11/17/92					SW70329WC	3 7		V		
	12/03/92					SW70332WC	2 5	U	V		
	01/06/93					SW70340WC	2 5	U	V		
	01/13/93	SW70344WC	5	U	V	SW70343WC	5	U	V		
	01/27/93	SW70347WC	4 6		JA	SW70346WC	3 7		JA		
	02/09/93	SW70350WC	12 6	U	JA	SW70349WC	5	U	V		
	02/24/93	SW70353WC	5	U	JA	SW70352WC	5	U	R		
	03/12/93					SW70001JE	13 6		JA		
	03/23/93	SW70005JE	5	U	V	SW70004JE	5	U	V		
	04/07/93	SW70010JE	5	U	V	SW70009JE	5	U	V		
	04/22/93	SW70013JE	2 80	B	V	SW70012JE	2 40	B	V		
	05/05/93	SW70022JE	5	U	V	SW70020JE	5	U	V		
	05/19/93	SW70029JE	5		V	SW70028JE	5	U	V		
	06/02/93	SW70047JE	5	U	V	SW70046JE	5	U	V		
	06/16/93	SW70051JE	5 0	U	V	SW70050JE	5 0	U	V		
	06/30/93	SW70076JE	3 1			SW70075JE	3 5				
	07/14/93	SW70080JE	3 1	U		SW70079JE	5 7				

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated. W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upst eam Surface Water

Total Metals CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION		
VANADIUM (Total)(CRDL 50)													
	07/28/93	SW70093JE	3 6		JA	SW70092JE	4 5		JA				
	08/11/93	SW00103JE	3 1	U		SW00102JE	3 1	U					
	08/27/93	SW00106JE	14 00	U	V	SW00105JE	16 90	B	JA				
	09/07/93									SW00107JE	29 70	B	JA
	09/08/93	SW00110JE	14 00	U	V	SW00109JE	22 50	B	JA	SW00108JE	17 00	B	JA
	09/09/93									SW00111JE	14 00	U	V
	09/10/93									SW00112JE	14 00	U	V
	09/11/93									SW00113JE	14 00	U	V
	09/12/93									SW00114JE	14 00	U	V
	09/13/93									SW00115JE	30 70	B	V
	09/14/93									SW00116JE	17 80	B	
	09/15/93									SW00117JE	14 00	U	
	09/16/93									SW00118JE	14 00	U	
	09/17/93									SW00119JE	14 00	U	
	09/18/93									SW00120JE	29 00	B	
	09/19/93									SW00121JE	14 00	U	
	09/20/93									SW00122JE	14 00	U	
	09/21/93	SW00125JE	27 70	B		SW00124JE	27 20	B					
	09/28/93	SW00128JE	14 00	U		SW00127JE	14 00	U					
ZINC (Total)(CRDL 20)	05/08/91	SW01161WC	186	E	JA	SW01163WC	158		V				
	06/20/91	SW01264WC	400		V	SW01266WC	250		V				
	08/07/91	SW01473WC	140		V	SW01475WC	91 9		V				
	09/17/91	SW01579WC	310		V	SW01581WC	92 8		V				
	10/17/91					SW01687WC	52 6		V				
	10/21/91	SW01685WC	272		V								
	01/27/92	SW01807WC	310		V	SW01809WC	143		V				

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but g eater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Su face Water

T tal Metals CLP & Non CLP
(Concentration Units ug/l)

YTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION
(Total)(CRDL 20)											
	04/06/92	SW70259WC	311		V	SW70260WC	250		V		
	04/22/92	SW70266WC	290		V	SW70267WC	236		V		
	04/27/92	SW01889WC	254		V	SW01891WC	203		V		
	05/06/92	SW70271WC	282		V	SW70272WC	236		JA		
	05/20/92	SW70285WC	318		JA	SW70286WC	130		JA		
	06/04/92	SW70290WC	299	E	JA	SW70291WC	135	E	JA		
	06/17/92	SW70293WC	240		V	SW70294WC	183		V		
	07/02/92	SW70296WC	315		V	SW70297WC	141		V		
	07/15/92					SW70300WC	109		V		
	07/29/92	SW70302WC	316		V	SW70303WC	70 5		V		
	08/12/92	SW70305WC	275		V	SW70306WC	45 2		V		
	08/20/92	SW02012WC	209		V	SW02013WC	101		V		
	08/26/92	SW70310WC	72 1		V	SW70309WC	111		V		
	09/08/92	SW70314WC	263		V	SW70313WC	52 7		V		
	09/22/92	SW70315WC	225		JA	SW70316WC	40 7		JA		
	10/07/92	SW70321WC	208		V	SW70320WC	92 8		V		
	10/21/92	SW70324WC	205		JA	SW70323WC	96 5		JA		
	11/06/92					SW70326WC	87 4		JA		
	11/17/92					SW70329WC	56 1		V		
	12/03/92					SW70332WC	129		V		
	01/06/93					SW70340WC	90 7		V		
	01/13/93	SW70344WC	144		V	SW70343WC	80 3		V		
	01/27/93	SW70347WC	202		V	SW70346WC	152		V		
	02/09/93	SW70350WC	329		V	SW70349WC	109		V		
	02/24/93	SW70353WC	189		V	SW70352WC	158		V		
	03/12/93					SW70001JE	139		V		

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Total Metals CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION		
ZINC (Total)(CRDL 20)													
	03/23/93	SW70005JE	155		JA	SW70004JE	112		JA				
	04/07/93	SW70010JE	136		V	SW70009JE	190		V				
	04/22/93	SW70013JE	190 00	E	JA	SW70012JE	333 00	E	JA				
	05/05/93	SW70022JE	216		V	SW70020JE	159		V				
	05/19/93	SW70029JE	170		V	SW70028JE	171		V				
	06/02/93	SW70047JE	166		V	SW70046JE	39 8		V				
	06/16/93	SW70051JE	184		V	SW70050JE	36 7		V				
	06/30/93	SW70076JE	203			SW70075JE	45						
	07/14/93	SW70080JE	221			SW70079JE	116						
	07/28/93	SW70093JE	206		V	SW70092JE	29 9		V				
	08/11/93	SW00103JE	218			SW00102JE	31 3						
	08/27/93	SW00106JE	290 00		V	SW00105JE	29 60		V				
	09/07/93									SW00107JE	90 70		V
	09/08/93	SW00110JE	234 00		V	SW00109JE	95 90		V	SW00108JE	70 40		V
	09/09/93									SW00111JE	35 10	E	JA
	09/10/93									SW00112JE	57 70	E	JA
	09/11/93									SW00113JE	36 10	E	JA
	09/12/93									SW00114JE	34 50	E	JA
	09/13/93									SW00115JE	194 00	E	JA
	09/14/93									SW00116JE	82 20		
	09/15/93									SW00117JE	80 80		
	09/16/93									SW00118JE	33 00		
	09/17/93									SW00119JE	31 40		
	09/18/93									SW00120JE	106 00		
	09/19/93									SW00121JE	54 20		
	09/20/93									SW00122JE	32 30		

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid. A Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upst eam Surface Water

Total Metals CLP & Non CLP
(Concentration Units ug/l)

YTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION	STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION	STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION
(Total)(CRDL 20)							
	09/21/93	SW00125JE	141 00	SW00124JE	66 10		
	09/28/93	SW00128JE	234 00	SW00127JE	29 50		

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Volatile Organics CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION
1 1 1 TRICHLOROETHANE (CRDL 5)	05/08/91	SW01161WC	15		V	SW01163WC	5	U	V		
	06/20/91	SW01264WC	13			SW01266WC	5	U			
	07/12/91					SW01369WC	5	U	V		
	08/07/91	SW01473WC	7		JA	SW01475WC	3	J	A		
	09/17/91	SW01579WC	11		V	SW01581WC	2	J	A		
	10/17/91					SW01687WC	5	U	V		
	10/21/91	SW01685WC	11		V						
	01/27/92	SW01807WC	17		V	SW01809WC	3	J	A		
	04/06/92	SW70259WC	18	D		SW70260WC	6		V		
	04/22/92	SW70266WC	14		V	SW70267WC	6		V		
	04/27/92	SW01889WC	11		V	SW01891WC	4	J	A		
	05/06/92	SW70271WC	15		V	SW70272WC	3	J	A		
	05/20/92	SW70285WC	11		JA	SW70286WC	5	U	V		
	06/04/92	SW70290WC	16		V	SW70291WC	3	J	A		
	06/17/92	SW70293WC	17		V	SW70294WC	3	J	A		
	07/02/92	SW70296WC	13		V	SW70297WC	2	J	A		
	07/15/92					SW70300WC	2	J	A		
	07/29/92	SW70302WC	12		V	SW70303WC	1	J	A		
	08/12/92	SW70305WC	10			SW70306WC	5	U	V		
	08/20/92	SW02012WC	15		V	SW02013WC	3	J	A		
	08/26/92	SW70310WC	5		V	SW70309WC	6		V		
	09/08/92	SW70314WC	13		V	SW70313WC	1	J	A		
	09/22/92	SW70315WC	10		V	SW70316WC	5	U	V		
	09/28/92	FT00443REU	4	J	A						
	10/07/92	SW70321WC	6		V	SW70320WC	5	U	V		

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Volatile Organics CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION		
1 1 1 TRICHLOROETHANE (CRDL 5)													
	10/21/92	SW70324WC	5		V	SW70323WC	5	U	V				
	11/06/92					SW70326WC	5	U	JA				
	11/17/92					SW70329WC	5	U	V				
	12/03/92					SW70332WC	3	J	A				
	01/06/93					SW70340WC	5	U	V				
	01/13/93	SW70344WC	5		V	SW70343WC	5	U	V				
	01/27/93	SW70347WC	10		V	SW70346WC	5	U	V				
	02/09/93	SW70350WC	10		V	SW70349WC	5	U	V				
	02/24/93	SW70353WC	20		V	SW70352WC	5	U	V				
	03/12/93					SW70001JE	5	U	V				
	03/23/93	SW70005JE	7		V	SW70004JE	5	U	V				
	04/07/93	SW70010JE	12		V	SW70009JE	5		V				
	04/22/93	SW70013JE	10		V	SW70012JE	3	J	A				
	05/05/93	SW70022JE	10		V	SW70020JE	5	U	V				
	05/19/93	SW70029JE	10		V	SW70028JE	3	J	A				
	06/02/93	SW70047JE	9		V	SW70046JE	5	U	V				
	06/16/93	SW70051JE	7		V	SW70050JE	5	U	V				
	06/30/93	SW70076JE	8		JA	SW70075JE	5	U	R				
	07/14/93	SW70080JE	5		Z	SW70079JE	9		Z				
	07/28/93	SW70093JE	5	U	V	SW70092JE	5	U	V				
	08/11/93	SW00103JE	4	J		SW00102JE	5	U					
	08/27/93	SW00106JE	5	U		SW00105JE	5	U					
	09/07/93									SW00107JE	5	U	
	09/08/93	SW00110JE	5			SW00109JE	5	U		SW00108JE	5	U	
	09/09/93									SW00111JE	5	U	V

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Volatile Organics CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION		
1 1 1 TRICHLOROETHANE (CRDL 5)													
	09/10/93									SW00112JE	5	U	V
	09/11/93									SW00113JE	5	U	V
	09/12/93									SW00114JE	5	U	V
	09/13/93									SW00115JE	5	U	V
	09/14/93									SW00116JE	5	U	
	09/15/93									SW00117JE	5	U	
	09/16/93									SW00118JE	5	U	
	09/17/93									SW00119JE	5	U	
	09/18/93									SW00120JE	5	U	
	09/19/93									SW00121JE	5	U	
	09/20/93									SW00122JE	5	U	
	09/21/93	SW00125JE	10			SW00124JE	5	U					
	09/28/93	SW00128JE	10			SW00127JE	5	U					
1 1 2 2 TETRACHLOROETHANE (CRDL 5)	05/08/91	SW01161WC	5	U	V	SW01163WC	5	U	V				
	06/20/91	SW01264WC	5	U		SW01266WC	5	U					
	07/12/91					SW01369WC	5	U	V				
	08/07/91	SW01473WC	5	U	V	SW01475WC	5	U	V				
	09/17/91	SW01579WC	5	U	V	SW01581WC	5	U	JA				
	10/17/91					SW01687WC	5	U	V				
	10/21/91	SW01685WC	5	U	V								
	01/27/92	SW01807WC	5	U	V	SW01809WC	5	U	V				
	04/06/92	SW70259WC	5	U	V	SW70260WC	5	U	V				
	04/22/92	SW70266WC	5	U	V	SW70267WC	5	U	V				
	04/27/92	SW01889WC	5	U	V	SW01891WC	5	U	V				
	05/06/92	SW70271WC	5	U	V	SW70272WC	5	U	V				

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
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CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Volatile Organics CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION
1 1 2 2 TETRACHLOROETHANE (CRDL 5)											
	05/20/92	SW70285WC	5	U	V	SW70286WC	5	U	V		
	06/04/92	SW70290WC	5	U	V	SW70291WC	5	U	V		
	06/17/92	SW70293WC	5	U	V	SW70294WC	5	U	V		
	07/02/92	SW70296WC	5	U	V	SW70297WC	5	U	V		
	07/15/92					SW70300WC	5	U	V		
	07/29/92	SW70302WC	5	U	V	SW70303WC	5	U	V		
	08/12/92	SW70305WC	5	U		SW70306WC	5	U	V		
	08/20/92	SW02012WC	5	U	V	SW02013WC	5	U	V		
	08/26/92	SW70310WC	5	U	V	SW70309WC	5	U	V		
	09/08/92	SW70314WC	5	U	V	SW70313WC	5	U	V		
	09/22/92	SW70315WC	5	U	V	SW70316WC	5	U	V		
	09/28/92	FT00443REU	5	U	V						
	10/07/92	SW70321WC	5	U	V	SW70320WC	5	U	V		
	10/21/92	SW70324WC	5	U	V	SW70323WC	5	U	V		
	11/06/92					SW70326WC	5	U	JA		
	11/17/92					SW70329WC	5	U	V		
	12/03/92					SW70332WC	5	U	V		
	01/06/93					SW70340WC	5	U	V		
	01/13/93	SW70344WC	5	U	V	SW70343WC	5	U	V		
	01/27/93	SW70347WC	5	U	V	SW70346WC	5	U	V		
	02/09/93	SW70350WC	5	U	V	SW70349WC	5	U	V		
	02/24/93	SW70353WC	5	U	V	SW70352WC	5	U	V		
	03/12/93					SW70001JE	5	U	V		
	03/23/93	SW70005JE	5	U	V	SW70004JE	5	U	V		
	04/07/93	SW70010JE	5	U	V	SW70009JE	5	U	V		

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Volatile Organics CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION		
1 1 2 2 TETRACHLOROETHANE (CRDL 5)													
	04/22/93	SW70013JE	5	U	V	SW70012JE	5	U	V				
	05/05/93	SW70022JE	5	U	V	SW70020JE	5	U	V				
	05/19/93	SW70029JE	5	U	V	SW70028JE	5	U	V				
	06/02/93	SW70047JE	5	U	V	SW70046JE	5	U	V				
	06/16/93	SW70051JE	5	U	V	SW70050JE	5	U	V				
	06/30/93	SW70076JE	5	U	V	SW70075JE	5	U	V				
	07/14/93	SW70080JE	5	U	Z	SW70079JE	5	U	Z				
	07/28/93	SW70093JE	5	U	V	SW70092JE	5	U	V				
	08/11/93	SW00103JE	5	U		SW00102JE	5	U					
	08/27/93	SW00106JE	5	U		SW00105JE	5	U					
	09/07/93									SW00107JE	5	U	
	09/08/93	SW00110JE	5	U		SW00109JE	5	U		SW00108JE	5	U	
	09/09/93									SW00111JE	5	U	V
	09/10/93									SW00112JE	5	U	V
	09/11/93									SW00113JE	5	U	V
	09/12/93									SW00114JE	5	U	V
	09/13/93									SW00115JE	5	U	V
	09/14/93									SW00116JE	5	U	
	09/15/93									SW00117JE	5	U	
	09/16/93									SW00118JE	5	U	
	09/17/93									SW00119JE	5	U	
	09/18/93									SW00120JE	5	U	
	09/19/93									SW00121JE	5	U	
	09/20/93									SW00122JE	5	U	
	09/21/93	SW00125JE	5	U		SW00124JE	5	U					

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Volatile Organics CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION
1 1 2 2 TETRACHLOROETHANE (CRDL 5)											
	09/28/93	SW00125JE	5	U		SW00124JE	5	U			
1 1 2 TRICHLOROETHANE (CRDL 5)	05/08/91	SW01161WC	5	U	V	SW01163WC	5	U	V		
	06/20/91	SW01264WC	5	U		SW01266WC	5	U			
	07/12/91					SW01369WC	5	U	V		
	08/07/91	SW01473WC	5	U	V	SW01475WC	5	U	V		
	09/17/91	SW01579WC	5	U	V	SW01581WC	5	U	V		
	10/17/91					SW01687WC	5	U	V		
	10/21/91	SW01685WC	5	U	V						
	01/27/92	SW01807WC	5	U	V	SW01809WC	5	U	V		
	04/06/92	SW70259WC	5	U	V	SW70260WC	5	U	V		
	04/22/92	SW70266WC	5	U	V	SW70267WC	5	U	V		
	04/27/92	SW01889WC	5	U	V	SW01891WC	5	U	V		
	05/06/92	SW70271WC	5	U	V	SW70272WC	5	U	V		
	05/20/92	SW70285WC	5	U	V	SW70286WC	5	U	V		
	06/04/92	SW70290WC	5	U	V	SW70291WC	5	U	V		
	06/17/92	SW70293WC	5	U	V	SW70294WC	5	U	V		
	07/02/92	SW70296WC	5	U	V	SW70297WC	5	U	V		
	07/15/92					SW70300WC	5	U	V		
	07/29/92	SW70302WC	5	U	V	SW70303WC	5	U	V		
	08/12/92	SW70305WC	5	U		SW70306WC	5	U	V		
	08/20/92	SW02012WC	5	U	V	SW02013WC	5	U	V		
	08/26/92	SW70310WC	5	U	V	SW70309WC	5	U	V		
	09/08/92	SW70314WC	5	U	V	SW70313WC	5	U	V		
	09/22/92	SW70315WC	5	U	V	SW70316WC	5	U	V		
	09/28/92	FT00443REU	5	U	V						

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Volatile Organics CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	
1 1 2 TRICHLOROETHANE (CRDL 5)												
	10/07/92	SW70321WC	5	U	V	SW70320WC	5	U	V			
	10/21/92	SW70324WC	5	U	V	SW70323WC	5	U	V			
	11/06/92					SW70326WC	5	U	JA			
	11/17/92					SW70329WC	5	U	V			
	12/03/92					SW70332WC	5	U	V			
	01/06/93					SW70340WC	5	U	V			
	01/13/93	SW70344WC	5	U	V	SW70343WC	5	U	V			
	01/27/93	SW70347WC	5	U	V	SW70346WC	5	U	V			
	02/09/93	SW70350WC	5	U	V	SW70349WC	5	U	V			
	02/24/93	SW70353WC	5	U	V	SW70352WC	5	U	V			
	03/12/93					SW70001JE	5	U	V			
	03/23/93	SW70005JE	5	U	V	SW70004JE	5	U	V			
	04/07/93	SW70010JE	5	U	V	SW70009JE	5	U	V			
	04/22/93	SW70013JE	5	U	V	SW70012JE	5	U	V			
	05/05/93	SW70022JE	5	U	V	SW70020JE	5	U	V			
	05/19/93	SW70029JE	5	U	V	SW70028JE	5	U	V			
	06/02/93	SW70047JE	5	U	V	SW70046JE	5	U	V			
	06/16/93	SW70051JE	5	U	V	SW70050JE	5	U	V			
	06/30/93	SW70076JE	5	U	V	SW70075JE	5	U	V			
	07/14/93	SW70080JE	5	U	Z	SW70079JE	5	U	Z			
	07/28/93	SW70093JE	5	U	V	SW70092JE	5	U	V			
	08/11/93	SW00103JE	5	U		SW00102JE	5	U				
	08/27/93	SW00106JE	5	U		SW00105JE	5	U				
	09/07/93									SW00107JE	5	U
	09/08/93	SW00110JE	5	U		SW00109JE	5	U		SW00108JE	5	U

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program, EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Volatile Organics CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION		
1 1 2 TRICHLOROETHANE (CRDL 5)													
	09/09/93									SW00111JE	5	U	V
	09/10/93									SW00112JE	5	U	V
	09/11/93									SW00113JE	5	U	V
	09/12/93									SW00114JE	5	U	V
	09/13/93									SW00115JE	5	U	V
	09/14/93									SW00116JE	5	U	
	09/15/93									SW00117JE	5	U	
	09/16/93									SW00118JE	5	U	
	09/17/93									SW00119JE	5	U	
	09/18/93									SW00120JE	5	U	
	09/19/93									SW00121JE	5	U	
	09/20/93									SW00122JE	5	U	
	09/21/93	SW00125JE	5	U		SW00124JE	5	U					
	09/28/93	SW00128JE	5	U		SW00127JE	5	U					
1 1 DICHLOROETHANE (CRDL 5)	05/08/91	SW01161WC	5	U	V	SW01163WC	5	U	V				
	06/20/91	SW01264WC	4	J		SW01266WC	5	U					
	07/12/91					SW01369WC	5	U	V				
	08/07/91	SW01473WC	5	U	V	SW01475WC	5	U	V				
	09/17/91	SW01579WC	3	J	A	SW01581WC	5	U	V				
	10/17/91					SW01687WC	5	U	V				
	10/21/91	SW01685WC	4	J	A								
	01/27/92	SW01807WC	5		V	SW01809WC	5	U	V				
	04/06/92	SW70259WC	6	DJ		SW70260WC	2	J	A				
	04/22/92	SW70266WC	5		JA	SW70267WC	2	J	A				
	04/27/92	SW01889WC	4	J	A	SW01891WC	2	J	A				

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES: V = Valid. A = Acceptable. R Rejected. J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Volatile Organics CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION
1 1 DICHLOROETHANE (CRDL 5)											
	05/06/92	SW70271WC	5	U	V	SW70272WC	5	U	V		
	05/20/92	SW70285WC	4	J	A	SW70286WC	5	U	V		
	06/04/92	SW70290WC	5		V	SW70291WC	2	J	A		
	06/17/92	SW70293WC	5		V	SW70294WC	5	U	V		
	07/02/92	SW70296WC	5	U	V	SW70297WC	5	U	V		
	07/15/92					SW70300WC	5	U	V		
	07/29/92	SW70302WC	5		V	SW70303WC	1	J	A		
	08/12/92	SW70305WC	3	J		SW70306WC	5	U	V		
	08/20/92	SW02012WC	3	J	A	SW02013WC	5	U	V		
	08/26/92	SW70310WC	5	U	V	SW70309WC	7		V		
	09/08/92	SW70314WC	5		V	SW70313WC	1	J	A		
	09/22/92	SW70315WC	3	J	A	SW70316WC	1	J	A		
	09/28/92	FT00443REU	5	U	V						
	10/07/92	SW70321WC	2	J	A	SW70320WC	5	U	V		
	10/21/92	SW70324WC	5	U	V	SW70323WC	5	U	V		
	11/06/92					SW70326WC	5	U	JA		
	11/17/92					SW70329WC	5	U	V		
	12/03/92					SW70332WC	4	J	A		
	01/06/93					SW70340WC	5	U	V		
	01/13/93	SW70344WC	5	U	V	SW70343WC	5	U	V		
	01/27/93	SW70347WC	5	U	V	SW70346WC	5	U	V		
	02/09/93	SW70350WC	5	U	V	SW70349WC	5	U	V		
	02/24/93	SW70353WC	5	U	V	SW70352WC	5	U	V		
	03/12/93					SW70001JE	5	U	V		
	03/23/93	SW70005JE	5	U	V	SW70004JE	5	U	V		

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A = Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Volatile Organics CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION		
1 1 DICHLOROETHANE (CRDL 5)													
	04/07/93	SW70010JE	5	U	V	SW70009JE	5	U	V				
	04/22/93	SW70013JE	1	J	A	SW70012JE	5	U	V				
	05/05/93	SW70022JE	5	U	V	SW70020JE	5	U	V				
	05/19/93	SW70029JE	5	U	V	SW70028JE	5	U	V				
	06/02/93	SW70047JE	5	U	V	SW70046JE	5	U	V				
	06/16/93	SW70051JE	5	U	V	SW70050JE	5	U	V				
	06/30/93	SW70076JE	3	J	A	SW70075JE	5	U	V				
	07/14/93	SW70080JE	5	U	Z	SW70079JE	5	U	Z				
	07/28/93	SW70093JE	5	U	V	SW70092JE	5	U	V				
	08/11/93	SW00103JE	5	U		SW00102JE	5	U					
	08/27/93	SW00106JE	5	U		SW00105JE	5	U					
	09/07/93									SW00107JE	5	U	
	09/08/93	SW00110JE	5	U		SW00109JE	5	U		SW00108JE	5	U	
	09/09/93									SW00111JE	5	U	V
	09/10/93									SW00112JE	5	U	V
	09/11/93									SW00113JE	5	U	V
	09/12/93									SW00114JE	5	U	V
	09/13/93									SW00115JE	5	U	V
	09/14/93									SW00116JE	5	U	
	09/15/93									SW00117JE	5	U	
	09/16/93									SW00118JE	5	U	
	09/17/93									SW00119JE	5	U	
	09/18/93									SW00120JE	5	U	
	09/19/93									SW00121JE	5	U	
	09/20/93									SW00122JE	5	U	

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Volatile Organics CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION
1 1 DICHLOROETHANE (CRDL 5)											
	09/21/93	SW00125JE	3	J		SW00124JE	2	J			
	09/28/93	SW00128JE	3	J		SW00127JE	1	J			
1 1 DICHLOROETHENE (CRDL 5)	05/08/91	SW01161WC	5	U	V	SW01163WC	5	U	V		
	06/20/91	SW01264WC	5			SW01266WC	5	U			
	07/12/91					SW01369WC	5	U	V		
	08/07/91	SW01473WC	5	U	V	SW01475WC	5	U	V		
	09/17/91	SW01579WC	4	J	A	SW01581WC	5	U	V		
	10/17/91					SW01687WC	5	U	V		
	10/21/91	SW01685WC	6		V						
	01/27/92	SW01807WC	7		V	SW01809WC	5	U	V		
	04/06/92	SW70259WC	10	D		SW70260WC	5	U	R		
	04/22/92	SW70266WC	9		V	SW70267WC	5	U	V		
	04/27/92	SW01889WC	7		V	SW01891WC	5	U	V		
	05/06/92	SW70271WC	6		V	SW70272WC	5	U	V		
	05/20/92	SW70285WC	7		V	SW70286WC	5	U	V		
	06/04/92	SW70290WC	11		V	SW70291WC	5	U	V		
	06/17/92	SW70293WC	10		V	SW70294WC	5	U	V		
	07/02/92	SW70296WC	8		V	SW70297WC	5	U	V		
	07/15/92					SW70300WC	5	U	V		
	07/29/92	SW70302WC	8		V	SW70303WC	5	U	V		
	08/12/92	SW70305WC	5			SW70306WC	5	U	V		
	08/20/92	SW02012WC	6		V	SW02013WC	5	U	V		
	08/26/92	SW70310WC	5	U	V	SW70309WC	5	U	V		
	09/08/92	SW70314WC	9		V	SW70313WC	5	U	V		
	09/22/92	SW70315WC	6		V	SW70316WC	5	U	V		

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES. V Valid. A Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Volatile Organics CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	
1 1 DICHLOROETHENE (CRDL 5)	09/28/92	FT00443REU	2	J	A							
	10/07/92	SW70321WC	4	J	A	SW70320WC	5	U	V			
	10/21/92	SW70324WC	3	J	A	SW70323WC	5	U	V			
	11/06/92					SW70326WC	5	U	JA			
	11/17/92					SW70329WC	5	U	V			
	12/03/92					SW70332WC	5	U	V			
	01/06/93					SW70340WC	5	U	V			
	01/13/93	SW70344WC	1	J	A	SW70343WC	5	U	V			
	01/27/93	SW70347WC	5	U	V	SW70346WC	5	U	V			
	02/09/93	SW70350WC	4	J	A	SW70349WC	5	U	V			
	02/24/93	SW70353WC	1	J	A	SW70352WC	5	U	V			
	03/12/93					SW70001JE	5	U	V			
	03/23/93	SW70005JE	2	J	A	SW70004JE	5	U	V			
	04/07/93	SW70010JE	5	U	V	SW70009JE	5	U	V			
	04/22/93	SW70013JE	3	J	A	SW70012JE	5	U	V			
	05/05/93	SW70022JE	5		V	SW70020JE	5	U	V			
	05/19/93	SW70029JE	5	U	V	SW70028JE	5	U	V			
	06/02/93	SW70047JE	4	J	A	SW70046JE	5	U	V			
	06/16/93	SW70051JE	3	J	A	SW70050JE	5	U	V			
	06/30/93	SW70076JE	4	J	A	SW70075JE	5	U	V			
	07/14/93	SW70080JE	5	U	Z	SW70079JE	5	U	Z			
	07/28/93	SW70093JE	5	U	V	SW70092JE	5	U	V			
	08/11/93	SW00103JE	1	J		SW00102JE	5	U				
	08/27/93	SW00106JE	5	U		SW00105JE	5	U				
	09/07/93									SW00107JE	5	U

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES. V = Valid. A = Acceptable. R = Rejected. J Associated numerical value is an estimated value.
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program, EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Volatile Organics CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION		
1 1 DICHLOROETHENE (CRDL 5)													
	09/08/93	SW00110JE	5	U		SW00109JE	5	U		SW00108JE	5	U	
	09/09/93									SW00111JE	5	U	V
	09/10/93									SW00112JE	5	U	V
	09/11/93									SW00113JE	5	U	V
	09/12/93									SW00114JE	5	U	V
	09/13/93									SW00115JE	5	U	V
	09/14/93									SW00116JE	5	U	
	09/15/93									SW00117JE	5	U	
	09/16/93									SW00118JE	5	U	
	09/17/93									SW00119JE	5	U	
	09/18/93									SW00120JE	5	U	
	09/19/93									SW00121JE	5	U	
	09/20/93									SW00122JE	5	U	
	09/21/93	SW00125JE	7			SW00124JE	5	U					
	09/28/93	SW00128JE	7			SW00127JE	5	U					
1 2 DICHLOROETHANE (CRDL 5)	05/08/91	SW01161WC	5	U	V	SW01163WC	5	U	V				
	06/20/91	SW01264WC	5	U		SW01266WC	5	U					
	07/12/91					SW01369WC	5	U	V				
	08/07/91	SW01473WC	4	J	A	SW01475WC	5	U	V				
	09/17/91	SW01579WC	5	U	V	SW01581WC	5	U	V				
	10/17/91					SW01687WC	5	U	V				
	10/21/91	SW01685WC	5	U	V								
	01/27/92	SW01807WC	5	U	V	SW01809WC	5	U	V				
	04/06/92	SW70259WC	5	U	V	SW70260WC	5	U	V				
	04/22/92	SW70266WC	5	U	V	SW70267WC	5	U	V				

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value
*CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Volatile Organics CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION
1 2 DICHLOROETHANE (CRDL 5)											
	04/27/92	SW01889WC	5	U	V	SW01891WC	5	U	V		
	05/06/92	SW70271WC	5	U	V	SW70272WC	5	U	V		
	05/20/92	SW70285WC	5	U	V	SW70286WC	5	U	V		
	06/04/92	SW70290WC	5	U	V	SW70291WC	5	U	V		
	06/17/92	SW70293WC	5	U	V	SW70294WC	5	U	V		
	07/02/92	SW70296WC	5	U	V	SW70297WC	5	U	V		
	07/15/92					SW70300WC	5	U	V		
	07/29/92	SW70302WC	1	J	A	SW70303WC	1	J	A		
	08/12/92	SW70305WC	1	J		SW70306WC	5	U	V		
	08/20/92	SW02012WC	5	U	V	SW02013WC	5	U	V		
	08/26/92	SW70310WC	5	U	V	SW70309WC	5	U	V		
	09/08/92	SW70314WC	5	U	V	SW70313WC	5	U	V		
	09/22/92	SW70315WC	5	U	V	SW70316WC	5	U	V		
	09/28/92	FT00443REU	5	U	V						
	10/07/92	SW70321WC	5		V	SW70320WC	5	U	V		
	10/21/92	SW70324WC	5	U	V	SW70323WC	5	U	V		
	11/06/92					SW70326WC	5	U	JA		
	11/17/92					SW70329WC	5	U	V		
	12/03/92					SW70332WC	5	U	V		
	01/06/93					SW70340WC	5	U	V		
	01/13/93	SW70344WC	5	U	V	SW70343WC	5	U	V		
	01/27/93	SW70347WC	5	U	V	SW70346WC	5	U	V		
	02/09/93	SW70350WC	5	U	V	SW70349WC	5	U	V		
	02/24/93	SW70353WC	5	U	V	SW70352WC	5	U	V		
	03/12/93					SW70001JE	5	U	V		

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value.
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Su face Water

Volatile Organics CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION		
1 2 DICHLOROETHANE (CRDL 5)													
	03/23/93	SW70005JE	5	U	V	SW70004JE	5	U	V				
	04/07/93	SW70010JE	5	U	V	SW70009JE	5	U	V				
	04/22/93	SW70013JE	5	U	V	SW70012JE	5	U	V				
	05/05/93	SW70022JE	5	U	V	SW70020JE	5	U	V				
	05/19/93	SW70029JE	5	U	V	SW70028JE	5	U	V				
	06/02/93	SW70047JE	5	U	V	SW70046JE	5	U	V				
	06/16/93	SW70051JE	5	U	R	SW70050JE	5	U	R				
	06/30/93	SW70076JE	5	U	V	SW70075JE	5	U	V				
	07/14/93	SW70080JE	5	U	Z	SW70079JE	5	U	Z				
	07/28/93	SW70093JE	5	U	V	SW70092JE	5	U	V				
	08/11/93	SW00103JE	5	U		SW00102JE	5	U					
	08/27/93	SW00106JE	5	U		SW00105JE	5	U					
	09/07/93												
	09/08/93	SW00110JE	5	U		SW00109JE	5	U		SW00107JE	5	U	
	09/09/93									SW00108JE	5	U	
	09/10/93									SW00111JE	5	U	V
	09/11/93									SW00112JE	5	U	V
	09/12/93									SW00113JE	5	U	V
	09/13/93									SW00114JE	5	U	V
	09/14/93									SW00115JE	5	U	V
	09/15/93									SW00116JE	5	U	
	09/16/93									SW00117JE	5	U	
	09/17/93									SW00118JE	5	U	
	09/18/93									SW00119JE	5	U	
	09/19/93									SW00120JE	5	U	
										SW00121JE	5	U	

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Volatile Organics CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	
1 2 DICHLOROETHANE (CRDL 5)												
	09/20/93									SW00122JE	5	U
	09/21/93	SW00125JE	5	U		SW00124JE	5	U				
	09/28/93	SW00128JE	5	U		SW00127JE	5	U				
1 2 DICHLOROETHENE (CRDL 5)	05/08/91	SW01161WC	5	U	V	SW01163WC	24		V			
	06/20/91	SW01264WC	70			SW01266WC	5	U				
	07/12/91					SW01369WC	31		JA			
	08/07/91	SW01473WC	27		V	SW01475WC	29		JA			
	09/17/91	SW01579WC	69		V	SW01581WC	10		V			
	10/17/91					SW01687WC	8		V			
	10/21/91	SW01685WC	80		V							
	01/27/92	SW01807WC	110		V	SW01809WC	29		V			
	04/06/92	SW70259WC	120	D		SW70260WC	34		JA			
	04/22/92	SW70266WC	100		JA	SW70267WC	33		JA			
	04/27/92	SW01889WC	87		JA	SW01891WC	30		JA			
	05/06/92	SW70271WC	100		JA	SW70272WC	5	U	V			
	05/20/92	SW70285WC	55		V	SW70286WC	17		V			
	06/04/92	SW70290WC	110		JA	SW70291WC	40		JA			
	06/17/92	SW70293WC	64		V	SW70294WC	20		V			
	07/02/92	SW70296WC	130		V	SW70297WC	61		V			
	07/15/92					SW70300WC	25		V			
	07/29/92	SW70302WC	96		V	SW70303WC	17		V			
	08/12/92	SW70305WC	70			SW70306WC	8		V			
	08/20/92	SW02012WC	81		V	SW02013WC	16		V			
	08/26/92	SW70310WC	27		V	SW70309WC	120		V			
	09/08/92	SW70314WC	110		JA	SW70313WC	18		JA			

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E = Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S = Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid. A Acceptable. R Rejected. J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Volatile Organics CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION
1 2 DICHLOROETHENE (CRDL 5)											
	09/22/92	SW70315WC	100		JA	SW70316WC	6		JA		
	09/28/92	FT00443REU	37		V						
	10/07/92	SW70321WC	5	U	R	SW70320WC	5		JA		
	10/21/92	SW70324WC	41		V	SW70323WC	5	U	V		
	11/06/92					SW70326WC	5	U	JA		
	11/17/92					SW70329WC	5	U	V		
	12/03/92					SW70332WC	70		V		
	01/06/93					SW70340WC	42		JA		
	01/13/93	SW70344WC	26		V	SW70343WC	9		V		
	01/27/93	SW70347WC	58		V	SW70346WC	5		V		
	02/09/93	SW70350WC	61		V	SW70349WC	3	J	A		
	02/24/93	SW70353WC	24		V	SW70352WC	21		V		
	03/12/93					SW70001JE	5	U	V		
	03/23/93	SW70005JE	34		JA	SW70004JE	23		JA		
	04/07/93	SW70010JE	32		V	SW70009JE	34		V		
	04/22/93	SW70013JE	42		V	SW70012JE	20		V		
	05/05/93	SW70022JE	64		V	SW70020JE	18		V		
	05/19/93	SW70029JE	25		V	SW70028JE	7		V		
	06/02/93	SW70047JE	40		JA	SW70046JE	20		JA		
	06/16/93	SW70051JE	45		JA	SW70050JE	13		JA		
	06/30/93	SW70076JE	68		JA	SW70075JE	36		JA		
	07/14/93	SW70080JE	43		Z	SW70079JE	9		Z		
	07/28/93	SW70093JE	29		V	SW70092JE	5	U	V		
	08/11/93	SW00103JE	26			SW00102JE	8				
	08/27/93	SW00106JE	21	X		SW00105JE	5	U			

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Volatile Organics CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION		
1 2 DICHLOROETHENE (CRDL 5)													
	09/07/93									SW00107JE	5	U	
	09/08/93	SW00110JE	46	X		SW00109JE	5	U		SW00108JE	5	U	
	09/09/93									SW00111JE	3	JX	A
	09/10/93									SW00112JE	1	JX	A
	09/11/93									SW00113JE	2	JX	A
	09/12/93									SW00114JE	5	U	V
	09/13/93									SW00115JE	5	U	V
	09/14/93									SW00116JE	5	X	
	09/15/93									SW00117JE	2	J	
	09/16/93									SW00118JE	2	J	
	09/17/93									SW00119JE	2	J	
	09/18/93									SW00120JE	4	J	
	09/19/93									SW00121JE	3	J	
	09/20/93									SW00122JE	2	J	
	09/21/93	SW00125JE	52			SW00124JE	16						
	09/28/93	SW00128JE	63			SW00127JE	6						
1 2 DICHLOROPROPANE (CRDL 5)	05/08/91	SW01161WC	5	U	V	SW01163WC	5	U	V				
	06/20/91	SW01264WC	5	U		SW01266WC	5	U					
	07/12/91					SW01369WC	5	U	V				
	08/07/91	SW01473WC	5	U	V	SW01475WC	5	U	V				
	09/17/91	SW01579WC	5	U	V	SW01581WC	5	U	V				
	10/17/91					SW01687WC	5	U	V				
	10/21/91	SW01685WC	5	U	V								
	01/27/92	SW01807WC	5	U	V	SW01809WC	5	U	V				
	04/06/92	SW70259WC	5	U	V	SW70260WC	5	U	V				

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Volatile Organics CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION
1 2 DICHLOROPROPANE (CRDL 5)											
	04/22/92	SW70266WC	5	U	V	SW70267WC	5	U	V		
	04/27/92	SW01889WC	5	U	V	SW01891WC	5	U	V		
	05/06/92	SW70271WC	5	U	V	SW70272WC	5	U	V		
	05/20/92	SW70285WC	5	U	V	SW70286WC	5	U	V		
	06/04/92	SW70290WC	5	U	V	SW70291WC	5	U	V		
	06/17/92	SW70293WC	5	U	V	SW70294WC	5	U	V		
	07/02/92	SW70296WC	5	U	V	SW70297WC	5	U	V		
	07/15/92					SW70300WC	5	U	V		
	07/29/92	SW70302WC	5	U	V	SW70303WC	5	U	V		
	08/12/92	SW70305WC	5	U		SW70306WC	5	U	V		
	08/20/92	SW02012WC	5	U	V	SW02013WC	5	U	V		
	08/26/92	SW70310WC	5	U	V	SW70309WC	5	U	V		
	09/08/92	SW70314WC	5	U	V	SW70313WC	5	U	V		
	09/22/92	SW70315WC	5	U	V	SW70316WC	5	U	V		
	09/28/92	FT00443REU	5	U	V						
	10/07/92	SW70321WC	5	U	V	SW70320WC	5	U	V		
	10/21/92	SW70324WC	5	U	V	SW70323WC	5	U	V		
	11/06/92					SW70326WC	5	U	JA		
	11/17/92					SW70329WC	5	U	V		
	12/03/92					SW70332WC	5	U	V		
	01/06/93					SW70340WC	5	U	V		
	01/13/93	SW70344WC	5	U	V	SW70343WC	5	U	V		
	01/27/93	SW70347WC	5	U	V	SW70346WC	5	U	V		
	02/09/93	SW70350WC	5	U	V	SW70349WC	5	U	V		
	02/24/93	SW70353WC	5	U	V	SW70352WC	5	U	V		

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES: V = Valid A = Acceptable R = Rejected. J = Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Volatile Organics CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION		
1 2 DICHLOROPROPANE (CRDL 5)													
	03/12/93					SW70001JE	5	U	V				
	03/23/93	SW70005JE	5	U	V	SW70004JE	5	U	V				
	04/07/93	SW70010JE	5	U	V	SW70009JE	5	U	V				
	04/22/93	SW70013JE	5	U	V	SW70012JE	5	U	V				
	05/05/93	SW70022JE	5	U	V	SW70020JE	5	U	V				
	05/19/93	SW70029JE	5	U	V	SW70028JE	5	U	V				
	06/02/93	SW70047JE	5	U	V	SW70046JE	5	U	V				
	06/16/93	SW70051JE	5	U	V	SW70050JE	5	U	V				
	06/30/93	SW70076JE	5	U	V	SW70075JE	5	U	V				
	07/14/93	SW70080JE	5	U	Z	SW70079JE	5	U	Z				
	07/28/93	SW70093JE	5	U	V	SW70092JE	5	U	V				
	08/11/93	SW00103JE	5	U		SW00102JE	5	U					
	08/27/93	SW00106JE	5	U		SW00105JE	5	U					
	09/07/93									SW00107JE	5	U	
	09/08/93	SW00110JE	5	U		SW00109JE	5	U		SW00108JE	5	U	
	09/09/93									SW00111JE	5	U	V
	09/10/93									SW00112JE	5	U	V
	09/11/93									SW00113JE	5	U	V
	09/12/93									SW00114JE	5	U	V
	09/13/93									SW00115JE	5	U	V
	09/14/93									SW00116JE	5	U	
	09/15/93									SW00117JE	5	U	
	09/16/93									SW00118JE	5	U	
	09/17/93									SW00119JE	5	U	
	09/18/93									SW00120JE	5	U	

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value.
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Volatile Organics CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	
1 2 DICHLOROPROPANE (CRDL 5)												
	09/19/93											
	09/20/93									SW00121JE	5	U
	09/21/93	SW00125JE	5	U		SW00124JE	5	U		SW00122JE	5	U
	09/28/93	SW00128JE	5	U		SW00127JE	5	U				
2 BUTANONE (CRDL 10)	05/08/91	SW01161WC	10	U	V	SW01163WC	10	U	V			
	06/20/91	SW01264WC	10	U		SW01266WC	10	U				
	07/12/91					SW01369WC	10	U	V			
	08/07/91	SW01473WC	10	U	V	SW01475WC	10	U	V			
	09/17/91	SW01579WC	10	U	V	SW01581WC	10	U	V			
	10/17/91					SW01687WC	10	U	V			
	10/21/91	SW01685WC	10	U	V							
	01/27/92	SW01807WC	10	U	V	SW01809WC	10	U	V			
	04/06/92	SW70259WC	10	U	R	SW70260WC	10	U	V			
	04/22/92	SW70266WC	10	U	V	SW70267WC	10	U	V			
	04/27/92	SW01889WC	10	U	V	SW01891WC	10	U	V			
	05/06/92	SW70271WC	10	U	V	SW70272WC	10	U	V			
	05/20/92	SW70285WC	10	U	V	SW70286WC	10	U	V			
	06/04/92	SW70290WC	10	U	V	SW70291WC	10	U	V			
	06/17/92	SW70293WC	10	U	V	SW70294WC	10	U	V			
	07/02/92	SW70296WC	10	U	V	SW70297WC	10	U	V			
	07/15/92					SW70300WC	10	U	V			
	07/29/92	SW70302WC	7	J	A	SW70303WC	14		V			
	08/12/92	SW70305WC	10	U		SW70306WC	10	U	V			
	08/20/92	SW02012WC	10	U	V	SW02013WC	10	U	V			
	08/26/92	SW70310WC	10	U	V	SW70309WC	10	U	V			

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program, EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Volatile Organics CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION
2 BUTANONE (CRDL 10)											
	09/08/92	SW70314WC	10	U	V	SW70313WC	10	U	V		
	09/22/92	SW70315WC	10	U	V	SW70316WC	10	U	V		
	09/28/92	FT00443REU	10	U	V						
	10/07/92	SW70321WC	10	U	V	SW70320WC	10	U	V		
	10/21/92	SW70324WC	10	U	V	SW70323WC	10	U	V		
	11/06/92					SW70326WC	10	U	JA		
	11/17/92					SW70329WC	10	U	V		
	12/03/92					SW70332WC	10	U	V		
	01/06/93					SW70340WC	10	U	R		
	01/13/93	SW70344WC	10	U	V	SW70343WC	10	U	V		
	01/27/93	SW70347WC	10	U	V	SW70346WC	10	U	V		
	02/09/93	SW70350WC	10	U	V	SW70349WC	10	U	V		
	02/24/93	SW70353WC	10	U	V	SW70352WC	10	U	V		
	03/12/93					SW70001JE	10	U	V		
	03/23/93	SW70005JE	10	U	V	SW70004JE	10	U	V		
	04/07/93	SW70010JE	10	U	V	SW70009JE	10	U	V		
	04/22/93	SW70013JE	10	U	R	SW70012JE	10	U	R		
	05/05/93	SW70022JE	10	U	V	SW70020JE	10	U	V		
	05/19/93	SW70029JE	10	U	V	SW70028JE	10	U	V		
	06/02/93	SW70047JE	10	U	V	SW70046JE	10	U	V		
	06/16/93	SW70051JE	10	U	V	SW70050JE	10	U	V		
	06/30/93	SW70076JE	10	U	V	SW70075JE	10	U	V		
	07/14/93	SW70080JE	10	U	Z	SW70079JE	10	U	Z		
	07/28/93	SW70093JE	10	U	R	SW70092JE	10	U	R		
	08/11/93	SW00103JE	10	U		SW00102JE	10	U			

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Volatile Organics CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION		
2 BUTANONE (CRDL 10)													
	08/27/93	SW00106JE	10	U		SW00105JE	10	U					
	09/07/93									SW00107JE	10	U	
	09/08/93	SW00110JE	10	U		SW00109JE	10	U		SW00108JE	10	U	
	09/09/93									SW00111JE	10	U	V
	09/10/93									SW00112JE	10	U	V
	09/11/93									SW00113JE	10	U	V
	09/12/93									SW00114JE	10	U	V
	09/13/93									SW00115JE	10	U	V
	09/14/93									SW00116JE	10	U	
	09/15/93									SW00117JE	10	U	
	09/16/93									SW00118JE	10	U	
	09/17/93									SW00119JE	10	U	
	09/18/93									SW00120JE	10	U	
	09/19/93									SW00121JE	10	U	
	09/20/93									SW00122JE	10	U	
	09/21/93	SW00125JE	10	U		SW00124JE	10	U					
	09/28/93	SW00128JE	10	U		SW00127JE	10	U					
2 HEXANONE (CRDL 10)	05/08/91	SW01161WC	10	U	V	SW01163WC	10	U	V				
	06/20/91	SW01264WC	10	U		SW01266WC	10	U					
	07/12/91					SW01369WC	10	U	V				
	08/07/91	SW01473WC	10	U	V	SW01475WC	10	U	V				
	09/17/91	SW01579WC	10	U	V	SW01581WC	10	U	JA				
	10/17/91					SW01687WC	10	U	V				
	10/21/91	SW01685WC	10	U	V								
	01/27/92	SW01807WC	10	U	V	SW01809WC	10	U	V				

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits = duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES· V = Valid A = Acceptable. R Rejected. J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Volatile Organics CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION
2 HEXANONE (CRDL 10)											
	04/06/92	SW70259WC	10	U	V	SW70260WC	10	U	V		
	04/22/92	SW70266WC	10	U	V	SW70267WC	10	U	V		
	04/27/92	SW01889WC	10	U	V	SW01891WC	10	U	V		
	05/06/92	SW70271WC	10	U	V	SW70272WC	10	U	V		
	05/20/92	SW70285WC	10	U	V	SW70286WC	10	U	V		
	06/04/92	SW70290WC	10	U	V	SW70291WC	10	U	V		
	06/17/92	SW70293WC	10	U	V	SW70294WC	10	U	V		
	07/02/92	SW70296WC	10	U	V	SW70297WC	10	U	V		
	07/15/92					SW70300WC	10	U	V		
	07/29/92	SW70302WC	3	J	A	SW70303WC	12		V		
	08/12/92	SW70305WC	10	U		SW70306WC	10	U	V		
	08/20/92	SW02012WC	10	U	V	SW02013WC	10	U	V		
	08/26/92	SW70310WC	10	U	V	SW70309WC	10	U	V		
	09/08/92	SW70314WC	10	U	V	SW70313WC	10	U	V		
	09/22/92	SW70315WC	10	U	V	SW70316WC	10	U	V		
	09/28/92	FT00443REU	10	U	V						
	10/07/92	SW70321WC	10	U	V	SW70320WC	10	U	V		
	10/21/92	SW70324WC	10	U	R	SW70323WC	10	U	R		
	11/06/92					SW70326WC	10	U	JA		
	11/17/92					SW70329WC	10	U	V		
	12/03/92					SW70332WC	10	U	V		
	01/06/93					SW70340WC	10	U	R		
	01/13/93	SW70344WC	10	U	V	SW70343WC	10	U	V		
	01/27/93	SW70347WC	10	U	V	SW70346WC	10	U	V		
	02/09/93	SW70350WC	10	U	V	SW70349WC	10	U	V		

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Volatile Organics CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION		
2 HEXANONE (CRDL 10)													
	02/24/93	SW70353WC	10	U	V	SW70352WC	10	U	V				
	03/12/93					SW70001JE	10	U	V				
	03/23/93	SW70005JE	10	U	V	SW70004JE	10	U	V				
	04/07/93	SW70010JE	10	U	V	SW70009JE	10	U	V				
	04/22/93	SW70013JE	10	U	V	SW70012JE	10	U	V				
	05/05/93	SW70022JE	10	U	V	SW70020JE	10	U	V				
	05/19/93	SW70029JE	10	U	V	SW70028JE	10	U	V				
	06/02/93	SW70047JE	10	U	V	SW70046JE	10	U	V				
	06/16/93	SW70051JE	10	U	V	SW70050JE	10	U	V				
	06/30/93	SW70076JE	10	U	V	SW70075JE	10	U	V				
	07/14/93	SW70080JE	10	U	Z	SW70079JE	10	U	Z				
	07/28/93	SW70093JE	10	U	V	SW70092JE	10	U	V				
	08/11/93	SW00103JE	10	U		SW00102JE	10	U					
	08/27/93	SW00106JE	10	U		SW00105JE	10	U					
	09/07/93									SW00107JE	10	U	
	09/08/93	SW00110JE	10	U		SW00109JE	10	U		SW00108JE	10	U	
	09/09/93									SW00111JE	10	U	V
	09/10/93									SW00112JE	10	U	V
	09/11/93									SW00113JE	10	U	V
	09/12/93									SW00114JE	10	U	V
	09/13/93									SW00115JE	10	U	V
	09/14/93									SW00116JE	10	U	
	09/15/93									SW00117JE	10	U	
	09/16/93									SW00118JE	10	U	
	09/17/93									SW00119JE	10	U	

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S = Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Su face Water

Volatile Organics CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	
2 HEXANONE (CRDL 10)												
	09/18/93									SW00120JE	10	U
	09/19/93									SW00121JE	10	U
	09/20/93									SW00122JE	10	U
	09/21/93	SW00125JE	10	U		SW00124JE	10	U				
	09/28/93	SW00128JE	10	U		SW00127JE	10	U				
4 METHYL 2 PENTANONE (CRDL 10)	05/08/91	SW01161WC	10	U	V	SW01163WC	10	U	V			
	06/20/91	SW01264WC	10	U		SW01266WC	10	U				
	07/12/91					SW01369WC	10	U	V			
	08/07/91	SW01473WC	10	U	V	SW01475WC	10	U	V			
	09/17/91	SW01579WC	10	U	V	SW01581WC	10	U	JA			
	10/17/91					SW01687WC	10	U	V			
	10/21/91	SW01685WC	10	U	V							
	01/27/92	SW01807WC	10	U	V	SW01809WC	10	U	V			
	04/06/92	SW70259WC	10	U	V	SW70260WC	10	U	V			
	04/22/92	SW70266WC	10	U	V	SW70267WC	10	U	V			
	04/27/92	SW01889WC	10	U	V	SW01891WC	10	U	V			
	05/06/92	SW70271WC	10	U	V	SW70272WC	10	U	V			
	05/20/92	SW70285WC	10	U	V	SW70286WC	10	U	V			
	06/04/92	SW70290WC	10	U	V	SW70291WC	10	U	V			
	06/17/92	SW70293WC	10	U	V	SW70294WC	10	U	V			
	07/02/92	SW70296WC	10	U	V	SW70297WC	10	U	V			
	07/15/92					SW70300WC	10	U	V			
	07/29/92	SW70302WC	5	J	A	SW70303WC	11		V			
	08/12/92	SW70305WC	10	U		SW70306WC	10	U	V			
	08/20/92	SW02012WC	10	U	V	SW02013WC	10	U	V			

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Volatile Organics CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION
4 METHYL 2 PENTANONE (CRDL 10)											
	08/26/92	SW70310WC	10	U	V	SW70309WC	10	U	V		
	09/08/92	SW70314WC	10	U	V	SW70313WC	10	U	V		
	09/22/92	SW70315WC	10	U	R	SW70316WC	10	U	R		
	09/28/92	FT00443REU	10	U	V						
	10/07/92	SW70321WC	10	U	V	SW70320WC	10	U	V		
	10/21/92	SW70324WC	10	U	V	SW70323WC	10	U	V		
	11/06/92					SW70326WC	10	U	JA		
	11/17/92					SW70329WC	10	U	V		
	12/03/92					SW70332WC	10	U	V		
	01/06/93					SW70340WC	10	U	V		
	01/13/93	SW70344WC	10	U	V	SW70343WC	10	U	V		
	01/27/93	SW70347WC	10	U	V	SW70346WC	10	U	V		
	02/09/93	SW70350WC	10	U	V	SW70349WC	10	U	V		
	02/24/93	SW70353WC	10	U	V	SW70352WC	10	U	V		
	03/12/93					SW70001JE	10	U	V		
	03/23/93	SW70005JE	10	U	V	SW70004JE	10	U	V		
	04/07/93	SW70010JE	10	U	V	SW70009JE	10	U	V		
	04/22/93	SW70013JE	10	U	V	SW70012JE	10	U	V		
	05/05/93	SW70022JE	10	U	V	SW70020JE	10	U	V		
	05/19/93	SW70029JE	10	U	V	SW70028JE	10	U	V		
	06/02/93	SW70047JE	10	U	V	SW70046JE	10	U	V		
	06/16/93	SW70051JE	10	U	V	SW70050JE	10	U	V		
	06/30/93	SW70076JE	10	U	V	SW70075JE	10	U	V		
	07/14/93	SW70080JE	10	U	Z	SW70079JE	10	U	Z		
	07/28/93	SW70093JE	10	U	V	SW70092JE	10	U	V		

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Volatile Organics CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION		
4 METHYL 2 PENTANONE (CRDL 10)													
	08/11/93	SW00103JE	10	U		SW00102JE	10	U					
	08/27/93	SW00106JE	10	U		SW00105JE	10	U					
	09/07/93									SW00107JE	10	U	
	09/08/93	SW00110JE	10	U		SW00109JE	10	U		SW00108JE	10	U	
	09/09/93									SW00111JE	10	U	V
	09/10/93									SW00112JE	10	U	V
	09/11/93									SW00113JE	10	U	V
	09/12/93									SW00114JE	10	U	V
	09/13/93									SW00115JE	10	U	V
	09/14/93									SW00116JE	10	U	
	09/15/93									SW00117JE	10	U	
	09/16/93									SW00118JE	10	U	
	09/17/93									SW00119JE	10	U	
	09/18/93									SW00120JE	10	U	
	09/19/93									SW00121JE	10	U	
	09/20/93									SW00122JE	10	U	
	09/21/93	SW00125JE	10	U		SW00124JE	10	U					
	09/28/93	SW00128JE	10	U		SW00127JE	10	U					
ACETONE (CRDL 10)	05/08/91	SW01161WC	10	U	V	SW01163WC	10	U	R				
	06/20/91	SW01264WC	10	U		SW01266WC	10	U					
	07/12/91					SW01369WC	10	U	V				
	08/07/91	SW01473WC	10	U	JA	SW01475WC	10	U	V				
	09/17/91	SW01579WC	7	JB		SW01581WC	12	U	JA				
	10/17/91					SW01687WC	47	U	JA				
	10/21/91	SW01685WC	10	U	V								

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Volatile Organics CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION
ACETONE (CRDL 10)											
	01/27/92	SW01807WC	10	U	JA	SW01809WC	15	U	JA		
	04/06/92	SW70259WC	10	U	V	SW70260WC	3	J	A		
	04/22/92	SW70266WC	10	U	V	SW70267WC	10	U	V		
	04/27/92	SW01889WC	10	U	V	SW01891WC	8	J	A		
	05/06/92	SW70271WC	10	U	V	SW70272WC	10	U	JA		
	05/20/92	SW70285WC	43		JA	SW70286WC	44		JA		
	06/04/92	SW70290WC	10	U	V	SW70291WC	10	U	V		
	06/17/92	SW70293WC	27	U	JA	SW70294WC	24	U	JA		
	07/02/92	SW70296WC	10	U	R	SW70297WC	10	U	V		
	07/15/92					SW70300WC	10	U	V		
	07/29/92	SW70302WC	10	U	JA	SW70303WC	15	U	JA		
	08/12/92	SW70305WC	10	U		SW70306WC	10	U	V		
	08/20/92	SW02012WC	10	U	V	SW02013WC	10	U	JA		
	08/26/92	SW70310WC	10	U	V	SW70309WC	10	U	V		
	09/08/92	SW70314WC	10	U	V	SW70313WC	10	U	V		
	09/22/92	SW70315WC	50	U	JA	SW70316WC	37	U	JA		
	09/28/92	FT00443REU	10	U	V						
	10/07/92	SW70321WC	10	U	V	SW70320WC	10	U	V		
	10/21/92	SW70324WC	12	U	JA	SW70323WC	13	U	JA		
	11/06/92					SW70326WC	10	U	JA		
	11/17/92					SW70329WC	2	JB	R		
	12/03/92					SW70332WC	14	U	JA		
	01/06/93					SW70340WC	10	U	JA		
	01/13/93	SW70344WC	10	U	R	SW70343WC	10	U	R		
	01/27/93	SW70347WC	10	U	R	SW70346WC	25	U	JA		

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Volatile Organics CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION		
ACETONE (CRDL 10)													
	02/09/93	SW70350WC	10	U	V	SW70349WC	10	U	V				
	02/24/93	SW70353WC	10	U	V	SW70352WC	10	U	V				
	03/12/93					SW70001JE	10	U	R				
	03/23/93	SW70005JE	10	U	V	SW70004JE	10	U	V				
	04/07/93	SW70010JE	10	U	V	SW70009JE	10	U	V				
	04/22/93	SW70013JE	10	U	V	SW70012JE	10	U	JA				
	05/05/93	SW70022JE	10	U	V	SW70020JE	10	U	V				
	05/19/93	SW70029JE	10	U	V	SW70028JE	10	U	V				
	06/02/93	SW70047JE	10	U	V	SW70046JE	10	U	V				
	06/16/93	SW70051JE	10	U	V	SW70050JE	10	U	V				
	06/30/93	SW70076JE	10	U	V	SW70075JE	10	U	V				
	07/14/93	SW70080JE	10	U	Z	SW70079JE	10	U	Z				
	07/28/93	SW70093JE	10	U	R	SW70092JE	10	JB	U				
	08/11/93	SW00103JE	10	U		SW00102JE	10	U					
	08/27/93	SW00106JE	10	U		SW00105JE	10	U					
	09/07/93									SW00107JE	10	U	
	09/08/93	SW00110JE	10	U		SW00109JE	10	U		SW00108JE	10	U	
	09/09/93									SW00111JE	10	U	V
	09/10/93									SW00112JE	10	U	V
	09/11/93									SW00113JE	10	U	V
	09/12/93									SW00114JE	10	U	V
	09/13/93									SW00115JE	10	U	V
	09/14/93									SW00116JE	10	U	
	09/15/93									SW00117JE	10	U	
	09/16/93									SW00118JE	10	U	

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES. V = Valid. A = Acceptable. R = Rejected. J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Volatile Organics CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	
ACETONE (CRDL 10)												
	09/17/93									SW00119JE	10	U
	09/18/93									SW00120JE	10	U
	09/19/93									SW00121JE	10	U
	09/20/93									SW00122JE	10	U
	09/21/93	SW00125JE	10	U		SW00124JE	10	U				
	09/28/93	SW00128JE	10	U		SW00127JE	10	U				
BENZENE (CRDL 5)	05/08/91	SW01161WC	5	U	V	SW01163WC	5	U	V			
	06/20/91	SW01264WC	5	U		SW01266WC	5	U				
	07/12/91					SW01369WC	5	U	V			
	08/07/91	SW01473WC	5	U	V	SW01475WC	5	U	V			
	09/17/91	SW01579WC	5	U	V	SW01581WC	5	U	V			
	10/17/91					SW01687WC	5	U	V			
	10/21/91	SW01685WC	5	U	V							
	01/27/92	SW01807WC	5	U	V	SW01809WC	5	U	V			
	04/06/92	SW70259WC	5	U	V	SW70260WC	5	U	V			
	04/22/92	SW70266WC	5	U	JA	SW70267WC	5	U	JA			
	04/27/92	SW01889WC	5	U	V	SW01891WC	5	U	V			
	05/06/92	SW70271WC	5	U	V	SW70272WC	5	U	V			
	05/20/92	SW70285WC	5	U	V	SW70286WC	5	U	V			
	06/04/92	SW70290WC	5	U	V	SW70291WC	5	U	V			
	06/17/92	SW70293WC	5	U	V	SW70294WC	5	U	V			
	07/02/92	SW70296WC	5	U	V	SW70297WC	5	U	V			
	07/15/92					SW70300WC	5	U	V			
	07/29/92	SW70302WC	5	U	V	SW70303WC	5	U	V			
	08/12/92	SW70305WC	5	U		SW70306WC	5	U	V			

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value
*CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program, EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Volatile Organics CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION
BENZENE (CRDL 5)											
	08/20/92	SW02012WC	5	U	V	SW02013WC	5	U	V		
	08/26/92	SW70310WC	5	U	V	SW70309WC	5	U	V		
	09/08/92	SW70314WC	5	U	JA	SW70313WC	5	U	JA		
	09/22/92	SW70315WC	5	U	V	SW70316WC	5	U	V		
	09/28/92	FT00443REU	5	U	V						
	10/07/92	SW70321WC	5	U	V	SW70320WC	5	U	V		
	10/21/92	SW70324WC	5	U	V	SW70323WC	5	U	V		
	11/06/92					SW70326WC	5	U	JA		
	11/17/92					SW70329WC	5	U	JA		
	12/03/92					SW70332WC	5	U	JA		
	01/06/93					SW70340WC	5	U	V		
	01/13/93	SW70344WC	5	U	V	SW70343WC	5	U	V		
	01/27/93	SW70347WC	5	U	V	SW70346WC	5	U	V		
	02/09/93	SW70350WC	5	U	V	SW70349WC	5	U	V		
	02/24/93	SW70353WC	5	U	V	SW70352WC	5	U	V		
	03/12/93					SW70001JE	5	U	V		
	03/23/93	SW70005JE	5	U	V	SW70004JE	5	U	V		
	04/07/93	SW70010JE	5	U	V	SW70009JE	5	U	V		
	04/22/93	SW70013JE	5	U	V	SW70012JE	5	U	V		
	05/05/93	SW70022JE	5	U	V	SW70020JE	5	U	V		
	05/19/93	SW70029JE	5	U	V	SW70028JE	5	U	V		
	06/02/93	SW70047JE	5	U	V	SW70046JE	5	U	V		
	06/16/93	SW70051JE	5	U	V	SW70050JE	5	U	V		
	06/30/93	SW70076JE	5	U	V	SW70075JE	5	U	V		
	07/14/93	SW70080JE	5	U	Z	SW70079JE	5	U	Z		

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected. J Associated numerical value is an estimated value.
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Volatile Organics CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION		
BENZENE (CRDL 5)													
	07/28/93	SW70093JE	5	U	V	SW70092JE	5	U	V				
	08/11/93	SW00103JE	5	U		SW00102JE	5	U					
	08/27/93	SW00106JE	5	U		SW00105JE	5	U					
	09/07/93									SW00107JE	5	U	
	09/08/93	SW00110JE	5	U		SW00109JE	5	U		SW00108JE	5	U	
	09/09/93									SW00111JE	5	U	V
	09/10/93									SW00112JE	5	U	V
	09/11/93									SW00113JE	5	U	V
	09/12/93									SW00114JE	5	U	V
	09/13/93									SW00115JE	5	U	V
	09/14/93									SW00116JE	5	U	
	09/15/93									SW00117JE	5	U	
	09/16/93									SW00118JE	5	U	
	09/17/93									SW00119JE	5	U	
	09/18/93									SW00120JE	5	U	
	09/19/93									SW00121JE	5	U	
	09/20/93									SW00122JE	5	U	
	09/21/93	SW00125JE	5	U		SW00124JE	5	U					
	09/28/93	SW00128JE	5	U		SW00127JE	5	U					
BROMODICHLOROMETHANE (CRDL 5)	05/08/91	SW01161WC	5	U	V	SW01163WC	5	U	V				
	06/20/91	SW01264WC	5	U		SW01266WC	5	U					
	07/12/91					SW01369WC	5	U	V				
	08/07/91	SW01473WC	5	U	V	SW01475WC	5	U	V				
	09/17/91	SW01579WC	5	U	V	SW01581WC	5	U	V				
	10/17/91					SW01687WC	5	U	V				

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Volatile Organics CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION
BROMODICHLOROMETHANE (CRDL 5)											
	10/21/91	SW01685WC	5	U	V						
	01/27/92	SW01807WC	5	U	V	SW01809WC	5	U	V		
	04/06/92	SW70259WC	5	U	V	SW70260WC	5	U	V		
	04/22/92	SW70266WC	5	U	V	SW70267WC	5	U	V		
	04/27/92	SW01889WC	5	U	V	SW01891WC	5	U	V		
	05/06/92	SW70271WC	5	U	V	SW70272WC	5	U	V		
	05/20/92	SW70285WC	5	U	V	SW70286WC	5	U	V		
	06/04/92	SW70290WC	5	U	V	SW70291WC	5	U	V		
	06/17/92	SW70293WC	5	U	V	SW70294WC	5	U	V		
	07/02/92	SW70296WC	5	U	V	SW70297WC	5	U	V		
	07/15/92					SW70300WC	5	U	V		
	07/29/92	SW70302WC	5	U	V	SW70303WC	5	U	V		
	08/12/92	SW70305WC	6	J		SW70306WC	5	U	V		
	08/20/92	SW02012WC	5	U	V	SW02013WC	5	U	V		
	08/26/92	SW70310WC	5	U	V	SW70309WC	5	U	V		
	09/08/92	SW70314WC	5	U	V	SW70313WC	5	U	V		
	09/22/92	SW70315WC	5	U	V	SW70316WC	5	U	V		
	09/28/92	FT00443REU	5	U	V						
	10/07/92	SW70321WC	5	U	V	SW70320WC	5	U	V		
	10/21/92	SW70324WC	5	U	V	SW70323WC	5	U	V		
	11/06/92					SW70326WC	5	U	JA		
	11/17/92					SW70329WC	5	U	V		
	12/03/92					SW70332WC	5	U	V		
	01/06/93					SW70340WC	5	U	V		
	01/13/93	SW70344WC	5	U	V	SW70343WC	5	U	V		

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Volatile Organics CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION		
BROMODICHLOROMETHANE (*CRDL 5)													
	01/27/93	SW70347WC	5	U	V	SW70346WC	5	U	V				
	02/09/93	SW70350WC	5	U	V	SW70349WC	5	U	V				
	02/24/93	SW70353WC	5	U	V	SW70352WC	5	U	V				
	03/12/93					SW70001JE	5	U	V				
	03/23/93	SW70005JE	5	U	V	SW70004JE	5	U	V				
	04/07/93	SW70010JE	5	U	V	SW70009JE	5	U	V				
	04/22/93	SW70013JE	5	U	V	SW70012JE	5	U	V				
	05/05/93	SW70022JE	5	U	V	SW70020JE	5	U	V				
	05/19/93	SW70029JE	5	U	V	SW70028JE	5	U	V				
	06/02/93	SW70047JE	5	U	V	SW70046JE	5	U	V				
	06/16/93	SW70051JE	5	U	V	SW70050JE	5	U	V				
	06/30/93	SW70076JE	5	U	R	SW70075JE	5	U	R				
	07/14/93	SW70080JE	5	U	Z	SW70079JE	5	U	Z				
	07/28/93	SW70093JE	5	U	V	SW70092JE	5	U	V				
	08/11/93	SW00103JE	5	U		SW00102JE	5	U					
	08/27/93	SW00106JE	5	U		SW00105JE	5	U					
	09/07/93									SW00107JE	5	U	
	09/08/93	SW00110JE	5	U		SW00109JE	5	U		SW00108JE	5	U	
	09/09/93									SW00111JE	5	U	V
	09/10/93									SW00112JE	5	U	V
	09/11/93									SW00113JE	5	U	V
	09/12/93									SW00114JE	5	U	V
	09/13/93									SW00115JE	5	U	V
	09/14/93									SW00116JE	5	U	
	09/15/93									SW00117JE	5	U	

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits * duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES· V = Valid A = Acceptable R = Rejected. J = Associated numerical value is an estimated value
*CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Volatile Organics CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	
BROMODICHLOROMETHANE (CRDL 5)												
	09/16/93									SW00118JE	5	U
	09/17/93									SW00119JE	5	U
	09/18/93									SW00120JE	5	U
	09/19/93									SW00121JE	5	U
	09/20/93									SW00122JE	5	U
	09/21/93	SW00125JE	5	U		SW00124JE	5	U				
	09/28/93	SW00128JE	5	U		SW00127JE	5	U				
BROMOFORM (CRDL 5)	05/08/91	SW01161WC	5	U	V	SW01163WC	5	U	V			
	06/20/91	SW01264WC	5	U		SW01266WC	5	U				
	07/12/91					SW01369WC	5	U	V			
	08/07/91	SW01473WC	5	U	V	SW01475WC	5	U	V			
	09/17/91	SW01579WC	5	U	V	SW01581WC	5	U	V			
	10/17/91					SW01687WC	5	U	V			
	10/21/91	SW01685WC	5	U	V							
	01/27/92	SW01807WC	5	U	V	SW01809WC	5	U	V			
	04/06/92	SW70259WC	5	U	V	SW70260WC	5	U	V			
	04/22/92	SW70266WC	5	U	V	SW70267WC	5	U	V			
	04/27/92	SW01889WC	5	U	V	SW01891WC	5	U	V			
	05/06/92	SW70271WC	5	U	V	SW70272WC	5	U	V			
	05/20/92	SW70285WC	5	U	V	SW70286WC	5	U	V			
	06/04/92	SW70290WC	5	U	V	SW70291WC	5	U	V			
	06/17/92	SW70293WC	5	U	V	SW70294WC	5	U	V			
	07/02/92	SW70296WC	5	U	V	SW70297WC	5	U	V			
	07/15/92					SW70300WC	5	U	V			
	07/29/92	SW70302WC	5	U	V	SW70303WC	5	U	V			

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Volatile Organics CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION
BROMOFORM (CRDL 5)											
	08/12/92	SW70305WC	5	U		SW70306WC	5	U	V		
	08/20/92	SW02012WC	5	U	V	SW02013WC	5	U	V		
	08/26/92	SW70310WC	5	U	V	SW70309WC	5	U	V		
	09/08/92	SW70314WC	5	U	V	SW70313WC	5	U	V		
	09/22/92	SW70315WC	5	U	V	SW70316WC	5	U	V		
	09/28/92	FT00443REU	5	U	V						
	10/07/92	SW70321WC	5	U	V	SW70320WC	5	U	V		
	10/21/92	SW70324WC	5	U	V	SW70323WC	5	U	V		
	11/06/92					SW70326WC	5	U	JA		
	11/17/92					SW70329WC	5	U	V		
	12/03/92					SW70332WC	5	U	V		
	01/06/93					SW70340WC	5	U	V		
	01/13/93	SW70344WC	5	U	V	SW70343WC	5	U	V		
	01/27/93	SW70347WC	5	U	V	SW70346WC	5	U	V		
	02/09/93	SW70350WC	5	U	V	SW70349WC	5	U	V		
	02/24/93	SW70353WC	5	U	V	SW70352WC	5	U	V		
	03/12/93					SW70001JE	5	U	V		
	03/23/93	SW70005JE	5	U	V	SW70004JE	5	U	V		
	04/07/93	SW70010JE	5	U	V	SW70009JE	5	U	V		
	04/22/93	SW70013JE	5	U	V	SW70012JE	5	U	V		
	05/05/93	SW70022JE	5	U	V	SW70020JE	5	U	V		
	05/19/93	SW70029JE	5	U	V	SW70028JE	5	U	V		
	06/02/93	SW70047JE	5	U	V	SW70046JE	5	U	V		
	06/16/93	SW70051JE	5	U	V	SW70050JE	5	U	V		
	06/30/93	SW70076JE	5	U	R	SW70075JE	5	U	R		

QUALIFIER CODES U = Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits = duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R = Rejected J = Associated numerical value is an estimated value
*CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Volatile Organics CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION		
BROMOFORM (CRDL 5)													
	07/14/93	SW70080JE	5	U	Z	SW70079JE	5	U	Z				
	07/28/93	SW70093JE	5	U	V	SW70092JE	5	U	V				
	08/11/93	SW00103JE	5	U		SW00102JE	5	U					
	08/27/93	SW00106JE	5	U		SW00105JE	5	U					
	09/07/93									SW00107JE	5	U	
	09/08/93	SW00110JE	5	U		SW00109JE	5	U		SW00108JE	5	U	
	09/09/93									SW00111JE	5	U	V
	09/10/93									SW00112JE	5	U	V
	09/11/93									SW00113JE	5	U	V
	09/12/93									SW00114JE	5	U	V
	09/13/93									SW00115JE	5	U	V
	09/14/93									SW00116JE	5	U	
	09/15/93									SW00117JE	5	U	
	09/16/93									SW00118JE	5	U	
	09/17/93									SW00119JE	5	U	
	09/18/93									SW00120JE	5	U	
	09/19/93									SW00121JE	5	U	
	09/20/93									SW00122JE	5	U	
	09/21/93	SW00125JE	5	U		SW00124JE	5	U					
	09/28/93	SW00128JE	5	U		SW00127JE	5	U					
BROMOMETHANE (CRDL 10)	05/08/91	SW01161WC	10	U	V	SW01163WC	10	U	V				
	06/20/91	SW01264WC	10	U		SW01266WC	10	U					
	07/12/91					SW01369WC	10	U	V				
	08/07/91	SW01473WC	10	U	R	SW01475WC	10	U	V				
	09/17/91	SW01579WC	10	U	V	SW01581WC	10	U	V				

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
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VALIDATION CODES: V = Valid A = Acceptable. R = Rejected. J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Volatile Organics CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION
BROMOMETHANE (CRDL 10)											
	10/17/91					SW01687WC	10	U	V		
	10/21/91	SW01685WC	10	U	V						
	01/27/92	SW01807WC	10	U	V	SW01809WC	10	U	V		
	04/06/92	SW70259WC	10	U	V	SW70260WC	10	U	V		
	04/22/92	SW70266WC	10	U	V	SW70267WC	10	U	V		
	04/27/92	SW01889WC	10	U	V	SW01891WC	10	U	V		
	05/06/92	SW70271WC	10	U	V	SW70272WC	10	U	V		
	05/20/92	SW70285WC	10	U	V	SW70286WC	10	U	V		
	06/04/92	SW70290WC	10	U	V	SW70291WC	10	U	V		
	06/17/92	SW70293WC	10	U	V	SW70294WC	10	U	V		
	07/02/92	SW70296WC	10	U	V	SW70297WC	10	U	V		
	07/15/92					SW70300WC	10	U	V		
	07/29/92	SW70302WC	10	U	V	SW70303WC	10	U	V		
	08/12/92	SW70305WC	10	U		SW70306WC	10	U	V		
	08/20/92	SW02012WC	10	U	V	SW02013WC	10	U	V		
	08/26/92	SW70310WC	10	U	V	SW70309WC	10	U	V		
	09/08/92	SW70314WC	10	U	V	SW70313WC	10	U	V		
	09/22/92	SW70315WC	10	U	V	SW70316WC	10	U	V		
	09/28/92	FT00443REU	10	U	V						
	10/07/92	SW70321WC	10	U	V	SW70320WC	10	U	V		
	10/21/92	SW70324WC	10	U	V	SW70323WC	10	U	V		
	11/06/92					SW70326WC	10	U	JA		
	11/17/92					SW70329WC	10	U	V		
	12/03/92					SW70332WC	10	U	V		
	01/06/93					SW70340WC	10	U	V		

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
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OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Volatile Organics CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION		
BROMOMETHANE (CRDL 10)													
	01/13/93	SW70344WC	10	U	V	SW70343WC	10	U	V				
	01/27/93	SW70347WC	10	U	R	SW70346WC	10	U	R				
	02/09/93	SW70350WC	10	U	V	SW70349WC	10	U	V				
	02/24/93	SW70353WC	10	U	V	SW70352WC	10	U	V				
	03/12/93					SW70001JE	10	U	R				
	03/23/93	SW70005JE	10	U	V	SW70004JE	10	U	V				
	04/07/93	SW70010JE	10	U	V	SW70009JE	10	U	V				
	04/22/93	SW70013JE	10	U	V	SW70012JE	10	U	V				
	05/05/93	SW70022JE	10	U	V	SW70020JE	10	U	V				
	05/19/93	SW70029JE	10	U	V	SW70028JE	10	U	V				
	06/02/93	SW70047JE	10	U	V	SW70046JE	10	U	V				
	06/16/93	SW70051JE	10	U	V	SW70050JE	10	U	V				
	06/30/93	SW70076JE	10	U	V	SW70075JE	10	U	V				
	07/14/93	SW70080JE	10	U	Z	SW70079JE	10	U	Z				
	07/28/93	SW70093JE	10	U	V	SW70092JE	10	U	V				
	08/11/93	SW00103JE	10	U		SW00102JE	10	U					
	08/27/93	SW00106JE	10	U		SW00105JE	10	U					
	09/07/93									SW00107JE	10	U	
	09/08/93	SW00110JE	10	U		SW00109JE	10	U		SW00108JE	10	U	
	09/09/93									SW00111JE	10	U	V
	09/10/93									SW00112JE	10	U	V
	09/11/93									SW00113JE	10	U	V
	09/12/93									SW00114JE	10	U	V
	09/13/93									SW00115JE	10	U	V
	09/14/93									SW00116JE	10	U	

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
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VALIDATION CODES· V = Valid A = Acceptable R = Rejected. J = Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Volatile Organi s CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION		
BROMOMETHANE (CRDL 10)													
	09/15/93									SW00117JE	10	U	
	09/16/93									SW00118JE	10	U	
	09/17/93									SW00119JE	10	U	
	09/18/93									SW00120JE	10	U	
	09/19/93									SW00121JE	10	U	
	09/20/93									SW00122JE	10	U	
	09/21/93	SW00125JE	10	U		SW00124JE	10	U					
	09/28/93	SW00128JE	10	U		SW00127JE	10	U					
CARBON DISULFIDE (CRDL 5)	05/08/91	SW01161WC	5	U	V	SW01163WC	5	U	V				
	06/20/91	SW01264WC	5	U		SW01266WC	5	U					
	07/12/91					SW01369WC	5	U	V				
	08/07/91	SW01473WC	5	U	V	SW01475WC	5	U	V				
	09/17/91	SW01579WC	5	U	V	SW01581WC	5	U	V				
	10/17/91					SW01687WC	5	U	V				
	10/21/91	SW01685WC	5	U	V								
	01/27/92	SW01807WC	5	U	V	SW01809WC	5	U	V				
	04/06/92	SW70259WC	5	U	V	SW70260WC	5	U	V				
	04/22/92	SW70266WC	5	U	V	SW70267WC	5	U	V				
	04/27/92	SW01889WC	5	U	V	SW01891WC	5	U	V				
	05/06/92	SW70271WC	5	U	V	SW70272WC	5	U	V				
	05/20/92	SW70285WC	5	U	V	SW70286WC	5	U	V				
	06/04/92	SW70290WC	5	U	V	SW70291WC	5	U	V				
	06/17/92	SW70293WC	5	U	V	SW70294WC	5	U	V				
	07/02/92	SW70296WC	5	U	V	SW70297WC	5	U	V				
	07/15/92					SW70300WC	5	U	V				

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S = Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES. V Valid A Acceptable R Rejected J = Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Volatile Organics CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION
CARBON DISULFIDE (CRDL 5)											
	07/29/92	SW70302WC	5	U	V	SW70303WC	5	U	V		
	08/12/92	SW70305WC	5	U		SW70306WC	5	U	V		
	08/20/92	SW02012WC	5	U	V	SW02013WC	5	U	V		
	08/26/92	SW70310WC	5	U	V	SW70309WC	5	U	V		
	09/08/92	SW70314WC	5	U	V	SW70313WC	5	U	V		
	09/22/92	SW70315WC	5	U	V	SW70316WC	5	U	V		
	09/28/92	FT00443REU	5	U	V						
	10/07/92	SW70321WC	5	U	V	SW70320WC	5	U	V		
	10/21/92	SW70324WC	5	U	V	SW70323WC	5	U	V		
	11/06/92					SW70326WC	5	U	JA		
	11/17/92					SW70329WC	5	U	V		
	12/03/92					SW70332WC	5	U	V		
	01/06/93					SW70340WC	5	U	V		
	01/13/93	SW70344WC	5	U	V	SW70343WC	5	U	V		
	01/27/93	SW70347WC	5	U	V	SW70346WC	5	U	V		
	02/09/93	SW70350WC	5	U	V	SW70349WC	5	U	V		
	02/24/93	SW70353WC	5	U	V	SW70352WC	5	U	V		
	03/12/93					SW70001JE	5	U	V		
	03/23/93	SW70005JE	5	U	V	SW70004JE	5	U	V		
	04/07/93	SW70010JE	5	U	V	SW70009JE	5	U	V		
	04/22/93	SW70013JE	5	U	V	SW70012JE	5	U	V		
	05/05/93	SW70022JE	5	U	V	SW70020JE	5	U	V		
	05/19/93	SW70029JE	5	U	R	SW70028JE	5	U	R		
	06/02/93	SW70047JE	5	U	V	SW70046JE	5	U	V		
	06/16/93	SW70051JE	5	U	V	SW70050JE	5	U	V		

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES. V = Valid. A = Acceptable. R = Rejected. J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Volatile Organics CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION		
CARBON DISULFIDE (CRDL 5)													
	06/30/93	SW70076JE	5	U	V	SW70075JE	5	U	V				
	07/14/93	SW70080JE	5	U	Z	SW70079JE	5	U	Z				
	07/28/93	SW70093JE	5	U	V	SW70092JE	5	U	V				
	08/11/93	SW00103JE	5	U		SW00102JE	5	U					
	08/27/93	SW00106JE	5	U		SW00105JE	5	U					
	09/07/93									SW00107JE	5	U	
	09/08/93	SW00110JE	5	U		SW00109JE	5	U		SW00108JE	5	U	
	09/09/93									SW00111JE	5	U	V
	09/10/93									SW00112JE	5	U	V
	09/11/93									SW00113JE	5	U	V
	09/12/93									SW00114JE	5	U	V
	09/13/93									SW00115JE	5	U	V
	09/14/93									SW00116JE	5	U	
	09/15/93									SW00117JE	5	U	
	09/16/93									SW00118JE	5	U	
	09/17/93									SW00119JE	5	U	
	09/18/93									SW00120JE	5	U	
	09/19/93									SW00121JE	5	U	
	09/20/93									SW00122JE	5	U	
	09/21/93	SW00125JE	5	U		SW00124JE	5	U					
	09/28/93	SW00128JE	5	U		SW00127JE	5	U					
CARBON TETRACHLORIDE (CRDL 5)	05/08/91	SW01161WC	68		V	SW01163WC	8		V				
	06/20/91	SW01264WC	140			SW01266WC	13						
	07/12/91					SW01369WC	5	U	V				
	08/07/91	SW01473WC	47		JA	SW01475WC	7		V				

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES· V = Valid. A = Acceptable. R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Volatile Organics CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION
CARBON TETRACHLORIDE (CRDL 5)											
	09/17/91	SW01579WC	130		V	SW01581WC	5		V		
	10/17/91					SW01687WC	5	U	V		
	10/21/91	SW01685WC	160		V						
	01/27/92	SW01807WC	190		V	SW01809WC	6		V		
	04/06/92	SW70259WC	200	D	V	SW70260WC	14		V		
	04/22/92	SW70266WC	160		V	SW70267WC	14		V		
	04/27/92	SW01889WC	140		V	SW01891WC	11		V		
	05/06/92	SW70271WC	150		V	SW70272WC	14		V		
	05/20/92	SW70285WC	130		JA	SW70286WC	2	J	A		
	06/04/92	SW70290WC	150		V	SW70291WC	6		V		
	06/17/92	SW70293WC	170		V	SW70294WC	9		V		
	07/02/92	SW70296WC	150		V	SW70297WC	4	J	A		
	07/15/92					SW70300WC	3	J	A		
	07/29/92	SW70302WC	150		V	SW70303WC	3	J	A		
	08/12/92	SW70305WC	110			SW70306WC	5	U	V		
	08/20/92	SW02012WC	130		V	SW02013WC	1	J	A		
	08/26/92	SW70310WC	16		V	SW70309WC	4	J	A		
	09/08/92	SW70314WC	160		V	SW70313WC	2	J	A		
	09/22/92	SW70315WC	120		V	SW70316WC	5	U	V		
	09/28/92	FT00443REU	41		V						
	10/07/92	SW70321WC	81		V	SW70320WC	5	U	V		
	10/21/92	SW70324WC	69		V	SW70323WC	5	U	V		
	11/06/92					SW70326WC	5	U	R		
	11/17/92					SW70329WC	5	U	V		
	12/03/92					SW70332WC	4	J	A		

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES· V = Valid A = Acceptable R = Rejected. J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Volatile Organics CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION		STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION		
CARBON TETRACHLORIDE (CRDL 5)												
	01/06/93				SW70340WC	9		V				
	01/13/93	SW70344WC	49	JA	SW70343WC	5	U	V				
	01/27/93	SW70347WC	150	V	SW70346WC	7		V				
	02/09/93	SW70350WC	140	V	SW70349WC	5	U	V				
	02/24/93	SW70353WC	54	JA	SW70352WC	5		JA				
	03/12/93				SW70001JE	5	U	V				
	03/23/93	SW70005JE	73	V	SW70004JE	5	U	V				
	04/07/93	SW70010JE	80	V	SW70009JE	9		V				
	04/22/93	SW70013JE	120	V	SW70012JE	10		V				
	05/05/93	SW70022JE	130	V	SW70020JE	8		V				
	05/19/93	SW70029JE	54	V	SW70028JE	8		V				
	06/02/93	SW70047JE	100	V	SW70046JE	4	J	A				
	06/16/93	SW70051JE	130	V	SW70050JE	2	J	A				
	06/30/93	SW70076JE	110	JA	SW70075JE	5	U	R				
	07/14/93	SW70080JE	70	Z	SW70079JE	6		Z				
	07/28/93	SW70093JE	61	JA	SW70092JE	5	U	V				
	08/11/93	SW00103JE	54		SW00102JE	5	U					
	08/27/93	SW00106JE	55		SW00105JE	5	U					
	09/07/93								SW00107JE	5	U	
	09/08/93	SW00110JE	70		SW00109JE	5	U		SW00108JE	5	U	
	09/09/93								SW00111JE	5	U	V
	09/10/93								SW00112JE	5	U	V
	09/11/93								SW00113JE	5	U	V
	09/12/93								SW00114JE	5	U	V
	09/13/93								SW00115JE	5	U	V

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES· V = Valid A = Acceptable. R = Rejected. J = Associated numerical value is an estimated value.
*CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Volatile Organics CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	
CARBON TETRACHLORIDE (CRDL 5)												
	09/14/93									SW00116JE	5	U
	09/15/93									SW00117JE	5	U
	09/16/93									SW00118JE	5	U
	09/17/93									SW00119JE	5	U
	09/18/93									SW00120JE	5	U
	09/19/93									SW00121JE	5	U
	09/20/93									SW00122JE	5	U
	09/21/93	SW00125JE	130			SW00124JE	2	J				
	09/28/93	SW00128JE	160			SW00127JE	1	J				
CHLOROBENZENE (CRDL 5)	05/08/91	SW01161WC	5	U	V	SW01163WC	5	U	V			
	06/20/91	SW01264WC	5	U		SW01266WC	5	U				
	07/12/91					SW01369WC	5	U	V			
	08/07/91	SW01473WC	5	U	V	SW01475WC	5	U	V			
	09/17/91	SW01579WC	5	U	V	SW01581WC	5	U	JA			
	10/17/91					SW01687WC	5	U	V			
	10/21/91	SW01685WC	5	U	V							
	01/27/92	SW01807WC	5	U	V	SW01809WC	5	U	V			
	04/06/92	SW70259WC	5	U	V	SW70260WC	5	U	V			
	04/22/92	SW70266WC	5	U	JA	SW70267WC	5	U	JA			
	04/27/92	SW01889WC	5	U	V	SW01891WC	5	U	V			
	05/06/92	SW70271WC	5	U	V	SW70272WC	5	U	V			
	05/20/92	SW70285WC	5	U	V	SW70286WC	5	U	V			
	06/04/92	SW70290WC	5	U	V	SW70291WC	5	U	V			
	06/17/92	SW70293WC	5	U	V	SW70294WC	5	U	V			
	07/02/92	SW70296WC	5	U	V	SW70297WC	5	U	V			

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES. V Valid A Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Volatile Organics CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION
CHLOROBENZENE (CRDL 5)											
	07/15/92					SW70300WC	5	U	V		
	07/29/92	SW70302WC	5	U	V	SW70303WC	5	U	V		
	08/12/92	SW70305WC	5	U		SW70306WC	5	U	V		
	08/20/92	SW02012WC	5	U	V	SW02013WC	5	U	V		
	08/26/92	SW70310WC	5	U	V	SW70309WC	5	U	V		
	09/08/92	SW70314WC	5	U	JA	SW70313WC	5	U	JA		
	09/22/92	SW70315WC	5	U	V	SW70316WC	5	U	V		
	09/28/92	FT00443REU	5	U	V						
	10/07/92	SW70321WC	5	U	V	SW70320WC	5	U	V		
	10/21/92	SW70324WC	5	U	V	SW70323WC	5	U	V		
	11/06/92					SW70326WC	5	U	JA		
	11/17/92					SW70329WC	5	U	JA		
	12/03/92					SW70332WC	5	U	JA		
	01/06/93					SW70340WC	5	U	V		
	01/13/93	SW70344WC	5	U	V	SW70343WC	5	U	V		
	01/27/93	SW70347WC	5	U	V	SW70346WC	5	U	V		
	02/09/93	SW70350WC	5	U	V	SW70349WC	5	U	V		
	02/24/93	SW70353WC	5	U	V	SW70352WC	5	U	V		
	03/12/93					SW70001JE	5	U	V		
	03/23/93	SW70005JE	5	U	V	SW70004JE	5	U	V		
	04/07/93	SW70010JE	5	U	V	SW70009JE	5	U	V		
	04/22/93	SW70013JE	5	U	V	SW70012JE	5	U	V		
	05/05/93	SW70022JE	5	U	V	SW70020JE	5	U	V		
	05/19/93	SW70029JE	5	U	V	SW70028JE	5	U	V		
	06/02/93	SW70047JE	5	U	V	SW70046JE	5	U	V		

QUALIFIER CODES: U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
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CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program, EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Volatile Organics CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION		
CHLOROBENZENE (CRDL 5)													
	06/16/93	SW70051JE	5	U	V	SW70050JE	5	U	V				
	06/30/93	SW70076JE	5	U	V	SW70075JE	5	U	V				
	07/14/93	SW70080JE	5	U	Z	SW70079JE	5	U	Z				
	07/28/93	SW70093JE	5	U	V	SW70092JE	5	U	V				
	08/11/93	SW00103JE	5	U		SW00102JE	5	U					
	08/27/93	SW00106JE	5	U		SW00105JE	5	U					
	09/07/93									SW00107JE	5	U	
	09/08/93	SW00110JE	5	U		SW00109JE	5	U		SW00108JE	5	U	
	09/09/93									SW00111JE	5	U	V
	09/10/93									SW00112JE	5	U	V
	09/11/93									SW00113JE	5	U	V
	09/12/93									SW00114JE	5	U	V
	09/13/93									SW00115JE	5	U	V
	09/14/93									SW00116JE	5	U	
	09/15/93									SW00117JE	5	U	
	09/16/93									SW00118JE	5	U	
	09/17/93									SW00119JE	5	U	
	09/18/93									SW00120JE	5	U	
	09/19/93									SW00121JE	5	U	
	09/20/93									SW00122JE	5	U	
	09/21/93	SW00125JE	5	U		SW00124JE	5	U					
	09/28/93	SW00128JE	5	U		SW00127JE	5	U					
CHLOROETHANE (CRDL 10)	05/08/91	SW01161WC	10	U	V	SW01163WC	10	U	V				
	06/20/91	SW01264WC	10	U		SW01266WC	10	U					
	07/12/91					SW01369WC	10	U	V				

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VALIDATION CODES V Valid. A Acceptable. R Rejected. J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Volatile Organics CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION
CHLOROETHANE (CRDL 10)											
	08/07/91	SW01473WC	10	U	V	SW01475WC	10	U	V		
	09/17/91	SW01579WC	10	U	V	SW01581WC	10	U	V		
	10/17/91					SW01687WC	10	U	V		
	10/21/91	SW01685WC	10	U	V						
	01/27/92	SW01807WC	10	U	V	SW01809WC	10	U	V		
	04/06/92	SW70259WC	10	U	V	SW70260WC	10	U	V		
	04/22/92	SW70266WC	10	U	V	SW70267WC	10	U	V		
	04/27/92	SW01889WC	10	U	V	SW01891WC	10	U	V		
	05/06/92	SW70271WC	10	U	V	SW70272WC	10	U	V		
	05/20/92	SW70285WC	10	U	V	SW70286WC	10	U	V		
	06/04/92	SW70290WC	10	U	V	SW70291WC	10	U	V		
	06/17/92	SW70293WC	10	U	V	SW70294WC	10	U	V		
	07/02/92	SW70296WC	10	U	V	SW70297WC	10	U	V		
	07/15/92					SW70300WC	10	U	V		
	07/29/92	SW70302WC	10	U	V	SW70303WC	10	U	V		
	08/12/92	SW70305WC	10	U		SW70306WC	10	U	V		
	08/20/92	SW02012WC	10	U	V	SW02013WC	10	U	V		
	08/26/92	SW70310WC	10	U	V	SW70309WC	10	U	V		
	09/08/92	SW70314WC	10	U	V	SW70313WC	10	U	V		
	09/22/92	SW70315WC	10	U	V	SW70316WC	10	U	V		
	09/28/92	FT00443REU	10	U	V						
	10/07/92	SW70321WC	10	U	V	SW70320WC	10	U	V		
	10/21/92	SW70324WC	10	U	V	SW70323WC	10	U	V		
	11/06/92					SW70326WC	10	U	JA		
	11/17/92					SW70329WC	10	U	V		

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
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CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Volatile Organics CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION		
CHLOROETHANE (CRDL 10)													
	12/03/92					SW70332WC	10	U	V				
	01/06/93					SW70340WC	10	U	V				
	01/13/93	SW70344WC	10	U	V	SW70343WC	10	U	V				
	01/27/93	SW70347WC	10	U	V	SW70346WC	10	U	V				
	02/09/93	SW70350WC	10	U	V	SW70349WC	10	U	V				
	02/24/93	SW70353WC	10	U	V	SW70352WC	10	U	V				
	03/12/93					SW70001JE	10	U	V				
	03/23/93	SW70005JE	10	U	V	SW70004JE	10	U	V				
	04/07/93	SW70010JE	10	U	V	SW70009JE	10	U	V				
	04/22/93	SW70013JE	10	U	V	SW70012JE	10	U	V				
	05/05/93	SW70022JE	10	U	V	SW70020JE	10	U	V				
	05/19/93	SW70029JE	10	U	V	SW70028JE	10	U	V				
	06/02/93	SW70047JE	10	U	V	SW70046JE	10	U	V				
	06/16/93	SW70051JE	10	U	V	SW70050JE	10	U	V				
	06/30/93	SW70076JE	10	U	V	SW70075JE	10	U	V				
	07/14/93	SW70080JE	10	U	Z	SW70079JE	10	U	Z				
	07/28/93	SW70093JE	10	U	V	SW70092JE	10	U	V				
	08/11/93	SW00103JE	10	U		SW00102JE	10	U					
	08/27/93	SW00106JE	10	U		SW00105JE	10	U					
	09/07/93									SW00107JE	10	U	
	09/08/93	SW00110JE	10	U		SW00109JE	10	U		SW00108JE	10	U	
	09/09/93									SW00111JE	10	U	V
	09/10/93									SW00112JE	10	U	V
	09/11/93									SW00113JE	10	U	V
	09/12/93									SW00114JE	10	U	V

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
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VALIDATION CODES. V = Valid. A = Acceptable. R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Volatile Organics CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION		
CHLOROETHANE (CRDL 10)													
	09/13/93									SW00115JE	10	U	V
	09/14/93									SW00116JE	10	U	
	09/15/93									SW00117JE	10	U	
	09/16/93									SW00118JE	10	U	
	09/17/93									SW00119JE	10	U	
	09/18/93									SW00120JE	10	U	
	09/19/93									SW00121JE	10	U	
	09/20/93									SW00122JE	10	U	
	09/21/93	SW00125JE	10	U		SW00124JE	10	U					
	09/28/93	SW00128JE	10	U		SW00127JE	10	U					
CHLOROFORM (CRDL 5)	05/08/91	SW01161WC	8		V	SW01163WC	5	U	V				
	06/20/91	SW01264WC	23			SW01266WC	2	J					
	07/12/91					SW01369WC	5	U	V				
	08/07/91	SW01473WC	6		V	SW01475WC	5	U	V				
	09/17/91	SW01579WC	21		V	SW01581WC	5	U	V				
	10/17/91					SW01687WC	5	U	V				
	10/21/91	SW01685WC	27		V								
	01/27/92	SW01807WC	34		V	SW01809WC	5	U	V				
	04/06/92	SW70259WC	30	D		SW70260WC	3	J	A				
	04/22/92	SW70266WC	29		V	SW70267WC	2	J	A				
	04/27/92	SW01889WC	25		V	SW01891WC	1	J	A				
	05/06/92	SW70271WC	23	B	V	SW70272WC	1	J	A				
	05/20/92	SW70285WC	25		V	SW70286WC	5	U	V				
	06/04/92	SW70290WC	26	B	V	SW70291WC	5	U	JA				
	06/17/92	SW70293WC	32		V	SW70294WC	5	U	V				

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
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OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Volatile Organics CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION		STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION
CHLOROFORM (CRDL 5)										
	07/02/92	SW70296WC	30	V	SW70297WC	5	U	V		
	07/15/92				SW70300WC	5	U	V		
	07/29/92	SW70302WC	27	V	SW70303WC	5	U	V		
	08/12/92	SW70305WC	23		SW70306WC	5	U	V		
	08/20/92	SW02012WC	27	V	SW02013WC	1	J	A		
	08/26/92	SW70310WC	5	V	SW70309WC	5	U	V		
	09/08/92	SW70314WC	31	V	SW70313WC	5	U	V		
	09/22/92	SW70315WC	22	V	SW70316WC	5	U	V		
	09/28/92	FT00443REU	12	V						
	10/07/92	SW70321WC	16	V	SW70320WC	5	U	V		
	10/21/92	SW70324WC	14	V	SW70323WC	5	U	V		
	11/06/92				SW70326WC	5	U	JA		
	11/17/92				SW70329WC	5	U	V		
	12/03/92				SW70332WC	5	U	V		
	01/06/93				SW70340WC	5	U	V		
	01/13/93	SW70344WC	8	V	SW70343WC	5	U	V		
	01/27/93	SW70347WC	23	V	SW70346WC	5	U	V		
	02/09/93	SW70350WC	20	V	SW70349WC	5	U	V		
	02/24/93	SW70353WC	12	V	SW70352WC	2	J	A		
	03/12/93				SW70001JE	5	U	V		
	03/23/93	SW70005JE	13	V	SW70004JE	5	U	V		
	04/07/93	SW70010JE	12	V	SW70009JE	5	U	V		
	04/22/93	SW70013JE	14	V	SW70012JE	2	J	A		
	05/05/93	SW70022JE	22	V	SW70020JE	5	U	V		
	05/19/93	SW70029JE	9	V	SW70028JE	5	U	V		

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES: V Valid. A Acceptable. R = Rejected. J = Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Volatile Organics CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION		
CHLOROFORM (CRDL 5)													
	06/02/93	SW70047JE	18		V	SW70046JE	5	U	V				
	06/16/93	SW70051JE	18		V	SW70050JE	5	U	V				
	06/30/93	SW70076JE	23		V	SW70075JE	5	U	V				
	07/14/93	SW70080JE	13		Z	SW70079JE	5	U	Z				
	07/28/93	SW70093JE	10		V	SW70092JE	5	U	V				
	08/11/93	SW00103JE	9			SW00102JE	5	U					
	08/27/93	SW00106JE	9			SW00105JE	5	U					
	09/07/93									SW00107JE	5	U	
	09/08/93	SW00110JE	13			SW00109JE	5	U		SW00108JE	5	U	
	09/09/93									SW00111JE	5	U	V
	09/10/93									SW00112JE	5	U	V
	09/11/93									SW00113JE	5	U	V
	09/12/93									SW00114JE	5	U	V
	09/13/93									SW00115JE	5	U	V
	09/14/93									SW00116JE	5	U	
	09/15/93									SW00117JE	5	U	
	09/16/93									SW00118JE	5	U	
	09/17/93									SW00119JE	5	U	
	09/18/93									SW00120JE	5	U	
	09/19/93									SW00121JE	5	U	
	09/20/93									SW00122JE	5	U	
	09/21/93	SW00125JE	20			SW00124JE	5	U					
	09/28/93	SW00128JE	24			SW00127JE	5	U					
CHLOROMETHANE (CRDL 10)	05/08/91	SW01161WC	10	U	V	SW01163WC	10	U	V				
	06/20/91	SW01264WC	10	U		SW01266WC	10	U					

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Volatile Organics CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION
CHLOROMETHANE (CRDL 10)											
	07/12/91					SW01369WC	10	U	V		
	08/07/91	SW01473WC	10	U	V	SW01475WC	10	U	V		
	09/17/91	SW01579WC	10	U	V	SW01581WC	10	U	V		
	10/17/91					SW01687WC	10	U	V		
	10/21/91	SW01685WC	10	U	V						
	01/27/92	SW01807WC	10	U	V	SW01809WC	10	U	V		
	04/06/92	SW70259WC	10	U	V	SW70260WC	10	U	V		
	04/22/92	SW70266WC	10	U	V	SW70267WC	10	U	V		
	04/27/92	SW01889WC	10	U	V	SW01891WC	10	U	V		
	05/06/92	SW70271WC	10	U	V	SW70272WC	10	U	V		
	05/20/92	SW70285WC	10	U	V	SW70286WC	10	U	V		
	06/04/92	SW70290WC	10	U	V	SW70291WC	10	U	V		
	06/17/92	SW70293WC	10	U	V	SW70294WC	10	U	V		
	07/02/92	SW70296WC	10	U	V	SW70297WC	10	U	V		
	07/15/92					SW70300WC	10	U	V		
	07/29/92	SW70302WC	10	U	V	SW70303WC	10	U	V		
	08/12/92	SW70305WC	10	U		SW70306WC	10	U	V		
	08/20/92	SW02012WC	10	U	V	SW02013WC	10	U	V		
	08/26/92	SW70310WC	10	U	V	SW70309WC	10	U	V		
	09/08/92	SW70314WC	10	U	R	SW70313WC	10	U	R		
	09/22/92	SW70315WC	10	U	V	SW70316WC	10	U	V		
	09/28/92	FT00443REU	10	U	V						
	10/07/92	SW70321WC	10	U	V	SW70320WC	10	U	V		
	10/21/92	SW70324WC	10	U	V	SW70323WC	10	U	V		
	11/06/92					SW70326WC	10	U	JA		

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits = duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Volatile Organics CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION		
CHLOROMETHANE (CRDL 10)													
	11/17/92					SW70329WC	10	U	V				
	12/03/92					SW70332WC	10	U	V				
	01/06/93					SW70340WC	10	U	V				
	01/13/93	SW70344WC	10	U	V	SW70343WC	10	U	V				
	01/27/93	SW70347WC	10	U	V	SW70346WC	10	U	V				
	02/09/93	SW70350WC	10	U	V	SW70349WC	10	U	V				
	02/24/93	SW70353WC	10	U	V	SW70352WC	10	U	V				
	03/12/93					SW70001JE	10	U	V				
	03/23/93	SW70005JE	10	U	V	SW70004JE	10	U	V				
	04/07/93	SW70010JE	10	U	V	SW70009JE	10	U	V				
	04/22/93	SW70013JE	10	U	V	SW70012JE	10	U	V				
	05/05/93	SW70022JE	10	U	V	SW70020JE	10	U	V				
	05/19/93	SW70029JE	10	U	V	SW70028JE	10	U	V				
	06/02/93	SW70047JE	10	U	V	SW70046JE	10	U	V				
	06/16/93	SW70051JE	10	U	V	SW70050JE	10	U	V				
	06/30/93	SW70076JE	10	U	V	SW70075JE	10	U	V				
	07/14/93	SW70080JE	10	U	Z	SW70079JE	10	U	Z				
	07/28/93	SW70093JE	10	U	V	SW70092JE	10	U	V				
	08/11/93	SW00103JE	10	U		SW00102JE	10	U					
	08/27/93	SW00106JE	10	U		SW00105JE	10	U					
	09/07/93									SW00107JE	10	U	
	09/08/93	SW00110JE	10	U		SW00109JE	10	U		SW00108JE	10	U	
	09/09/93									SW00111JE	10	U	V
	09/10/93									SW00112JE	10	U	V
	09/11/93									SW00113JE	10	U	V

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES· V = Valid A = Acceptable R = Rejected. J = Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Volatile Organics CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION		
CHLOROMETHANE (CRDL 10)													
	09/12/93									SW00114JE	10	U	V
	09/13/93									SW00115JE	10	U	V
	09/14/93									SW00116JE	10	U	
	09/15/93									SW00117JE	10	U	
	09/16/93									SW00118JE	10	U	
	09/17/93									SW00119JE	10	U	
	09/18/93									SW00120JE	10	U	
	09/19/93									SW00121JE	10	U	
	09/20/93									SW00122JE	10	U	
	09/21/93	SW00125JE	10	U		SW00124JE	10	U					
	09/28/93	SW00128JE	10	U		SW00127JE	10	U					
DIBROMOCHLOROMETHANE (CRDL 5)	05/08/91	SW01161WC	5	U	V	SW01163WC	5	U	V				
	06/20/91	SW01264WC	5	U		SW01266WC	5	U					
	07/12/91					SW01369WC	5	U	V				
	08/07/91	SW01473WC	5	U	V	SW01475WC	5	U	V				
	09/17/91	SW01579WC	5	U	V	SW01581WC	5	U	V				
	10/17/91					SW01687WC	5	U	V				
	10/21/91	SW01685WC	5	U	V								
	01/27/92	SW01807WC	5	U	V	SW01809WC	5	U	V				
	04/06/92	SW70259WC	5	U	V	SW70260WC	5	U	V				
	04/22/92	SW70266WC	5	U	V	SW70267WC	5	U	V				
	04/27/92	SW01889WC	5	U	V	SW01891WC	5	U	V				
	05/06/92	SW70271WC	5	U	V	SW70272WC	5	U	V				
	05/20/92	SW70285WC	5	U	V	SW70286WC	5	U	V				
	06/04/92	SW70290WC	5	U	V	SW70291WC	5	U	V				

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Volatile Organics CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION
DIBROMOCHLOROMETHANE (CRDL 5)											
	06/17/92	SW70293WC	5	U	V	SW70294WC	5	U	V		
	07/02/92	SW70296WC	5	U	V	SW70297WC	5	U	V		
	07/15/92					SW70300WC	5	U	V		
	07/29/92	SW70302WC	5	U	V	SW70303WC	5	U	V		
	08/12/92	SW70305WC	5	U		SW70306WC	5	U	V		
	08/20/92	SW02012WC	5	U	V	SW02013WC	5	U	V		
	08/26/92	SW70310WC	5	U	V	SW70309WC	5	U	V		
	09/08/92	SW70314WC	5	U	V	SW70313WC	5	U	V		
	09/22/92	SW70315WC	5	U	V	SW70316WC	5	U	V		
	09/28/92	FT00443REU	5	U	V						
	10/07/92	SW70321WC	5	U	V	SW70320WC	5	U	V		
	10/21/92	SW70324WC	5	U	V	SW70323WC	5	U	V		
	11/06/92					SW70326WC	5	U	JA		
	11/17/92					SW70329WC	5	U	V		
	12/03/92					SW70332WC	5	U	V		
	01/06/93					SW70340WC	5	U	V		
	01/13/93	SW70344WC	5	U	V	SW70343WC	5	U	V		
	01/27/93	SW70347WC	5	U	V	SW70346WC	5	U	V		
	02/09/93	SW70350WC	5	U	V	SW70349WC	5	U	V		
	02/24/93	SW70353WC	5	U	V	SW70352WC	5	U	V		
	03/12/93					SW70001JE	5	U	V		
	03/23/93	SW70005JE	5	U	V	SW70004JE	5	U	V		
	04/07/93	SW70010JE	5	U	V	SW70009JE	5	U	V		
	04/22/93	SW70013JE	5	U	V	SW70012JE	5	U	V		
	05/05/93	SW70022JE	5	U	V	SW70020JE	5	U	V		

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES: V = Valid. A = Acceptable. R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Volatile Organics CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION		
DIBROMOCHLOROMETHANE (CRDL 5)													
	05/19/93	SW70029JE	5	U	V	SW70028JE	5	U	V				
	06/02/93	SW70047JE	5	U	V	SW70046JE	5	U	V				
	06/16/93	SW70051JE	5	U	V	SW70050JE	5	U	V				
	06/30/93	SW70076JE	5	U	R	SW70075JE	5	U	R				
	07/14/93	SW70080JE	5	U	Z	SW70079JE	5	U	Z				
	07/28/93	SW70093JE	5	U	V	SW70092JE	5	U	V				
	08/11/93	SW00103JE	5	U		SW00102JE	5	U					
	08/27/93	SW00106JE	5	U		SW00105JE	5	U					
	09/07/93									SW00107JE	5	U	
	09/08/93	SW00110JE	5	U		SW00109JE	5	U		SW00108JE	5	U	
	09/09/93									SW00111JE	5	U	V
	09/10/93									SW00112JE	5	U	V
	09/11/93									SW00113JE	5	U	V
	09/12/93									SW00114JE	5	U	V
	09/13/93									SW00115JE	5	U	V
	09/14/93									SW00116JE	5	U	
	09/15/93									SW00117JE	5	U	
	09/16/93									SW00118JE	5	U	
	09/17/93									SW00119JE	5	U	
	09/18/93									SW00120JE	5	U	
	09/19/93									SW00121JE	5	U	
	09/20/93									SW00122JE	5	U	
	09/21/93	SW00125JE	5	U		SW00124JE	5	U					
	09/28/93	SW00128JE	5	U		SW00127JE	5	U					
ETHYLBENZENE (CRDL 5)	05/08/91	SW01161WC	5	U	V	SW01163WC	5	U	V				

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A = Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Volatile Organics CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION
ETHYLBENZENE (CRDL 5)											
	06/20/91	SW01264WC	5	U		SW01266WC	5	U			
	07/12/91					SW01369WC	5	U	V		
	08/07/91	SW01473WC	5	U	V	SW01475WC	5	U	V		
	09/17/91	SW01579WC	5	U	V	SW01581WC	5	U	JA		
	10/17/91					SW01687WC	5	U	V		
	10/21/91	SW01685WC	5	U	V						
	01/27/92	SW01807WC	5	U	V	SW01809WC	5	U	V		
	04/06/92	SW70259WC	5	U	V	SW70260WC	5	U	V		
	04/22/92	SW70266WC	5	U	JA	SW70267WC	5	U	JA		
	04/27/92	SW01889WC	5	U	V	SW01891WC	5	U	V		
	05/06/92	SW70271WC	5	U	V	SW70272WC	5	U	V		
	05/20/92	SW70285WC	5	U	V	SW70286WC	5	U	V		
	06/04/92	SW70290WC	5	U	V	SW70291WC	5	U	V		
	06/17/92	SW70293WC	5	U	V	SW70294WC	5	U	V		
	07/02/92	SW70296WC	5	U	V	SW70297WC	5	U	V		
	07/15/92					SW70300WC	5	U	V		
	07/29/92	SW70302WC	5	U	V	SW70303WC	5	U	V		
	08/12/92	SW70305WC	5	U		SW70306WC	5	U	V		
	08/20/92	SW02012WC	5	U	V	SW02013WC	5	U	V		
	08/26/92	SW70310WC	5	U	V	SW70309WC	5	U	V		
	09/08/92	SW70314WC	5	U	JA	SW70313WC	5	U	JA		
	09/22/92	SW70315WC	5	U	V	SW70316WC	5	U	V		
	09/28/92	FT00443REU	5	U	V						
	10/07/92	SW70321WC	5	U	V	SW70320WC	5	U	V		
	10/21/92	SW70324WC	5	U	V	SW70323WC	5	U	V		

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value.
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Volatile Organics CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION		
ETHYLBENZENE (CRDL 5)													
	11/06/92					SW70326WC	5	U	JA				
	11/17/92					SW70329WC	5	U	JA				
	12/03/92					SW70332WC	5	U	JA				
	01/06/93					SW70340WC	5	U	V				
	01/13/93	SW70344WC	5	U	V	SW70343WC	5	U	V				
	01/27/93	SW70347WC	5	U	V	SW70346WC	5	U	V				
	02/09/93	SW70350WC	5	U	V	SW70349WC	5	U	V				
	02/24/93	SW70353WC	5	U	V	SW70352WC	5	U	V				
	03/12/93					SW70001JE	5	U	V				
	03/23/93	SW70005JE	5	U	V	SW70004JE	5	U	V				
	04/07/93	SW70010JE	5	U	V	SW70009JE	5	U	V				
	04/22/93	SW70013JE	5	U	V	SW70012JE	5	U	V				
	05/05/93	SW70022JE	5	U	V	SW70020JE	5	U	V				
	05/19/93	SW70029JE	5	U	V	SW70028JE	5	U	V				
	06/02/93	SW70047JE	5	U	V	SW70046JE	5	U	V				
	06/16/93	SW70051JE	5	U	V	SW70050JE	5	U	V				
	06/30/93	SW70076JE	5	U	V	SW70075JE	5	U	V				
	07/14/93	SW70080JE	5	U	Z	SW70079JE	5	U	Z				
	07/28/93	SW70093JE	5	U	V	SW70092JE	5	U	V				
	08/11/93	SW00103JE	5	U		SW00102JE	5	U					
	08/27/93	SW00106JE	5	U		SW00105JE	5	U					
	09/07/93									SW00107JE	5	U	
	09/08/93	SW00110JE	5	U		SW00109JE	5	U		SW00108JE	5	U	
	09/09/93									SW00111JE	5	U	V
	09/10/93									SW00112JE	5	U	V

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E = Result is estimated W Post digestion spike out of control limits * duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES, V Valid. A Acceptable. R = Rejected. J = Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Volatile Organics CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION		
ETHYLBENZENE (CRDL 5)													
	09/11/93									SW00113JE	5	U	V
	09/12/93									SW00114JE	5	U	V
	09/13/93									SW00115JE	5	U	V
	09/14/93									SW00116JE	5	U	
	09/15/93									SW00117JE	5	U	
	09/16/93									SW00118JE	5	U	
	09/17/93									SW00119JE	5	U	
	09/18/93									SW00120JE	5	U	
	09/19/93									SW00121JE	5	U	
	09/20/93									SW00122JE	5	U	
	09/21/93	SW00125JE	5	U		SW00124JE	5	U					
	09/28/93	SW00128JE	5	U		SW00127JE	5	U					
METHYLENE CHLORIDE (CRDL 5)	05/08/91	SW01161WC	5	U	V	SW01163WC	5	U	V				
	06/20/91	SW01264WC	5	U		SW01266WC	5	U					
	07/12/91					SW01369WC	5	U	V				
	08/07/91	SW01473WC	10	U	JA	SW01475WC	5	U	V				
	09/17/91	SW01579WC	7	B		SW01581WC	50	U	JA				
	10/17/91					SW01687WC	13	U	JA				
	10/21/91	SW01685WC	5	U	JA								
	01/27/92	SW01807WC	3	J	A	SW01809WC	3	J	A				
	04/06/92	SW70259WC	5	U	V	SW70260WC	5	U	V				
	04/22/92	SW70266WC	5	U	V	SW70267WC	5	U	V				
	04/27/92	SW01889WC	1	J	A	SW01891WC	1	J	A				
	05/06/92	SW70271WC	5	U	V	SW70272WC	5	U	JA				
	05/20/92	SW70285WC	5	U	JA	SW70286WC	5	U	JA				

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value.
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Volatile Organics CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION
METHYLENE CHLORIDE (CRDL 5)											
	06/04/92	SW70290WC	5	U	JA	SW70291WC	5	U	V		
	06/17/92	SW70293WC	9	U	JA	SW70294WC	9	U	JA		
	07/02/92	SW70296WC	5	U	V	SW70297WC	5	U	V		
	07/15/92					SW70300WC	5	U	JA		
	07/29/92	SW70302WC	12	U	JA	SW70303WC	12	U	JA		
	08/12/92	SW70305WC	5	U		SW70306WC	10	U	JA		
	08/20/92	SW02012WC	8	U	JA	SW02013WC	7	U	JA		
	08/26/92	SW70310WC	8	U	JA	SW70309WC	5	U	V		
	09/08/92	SW70314WC	3	J	A	SW70313WC	2	J	A		
	09/22/92	SW70315WC	71	U	JA	SW70316WC	42	U	JA		
	09/28/92	FT00443REU	5	U	JA						
	10/07/92	SW70321WC	28	U	JA	SW70320WC	36	B	JA		
	10/21/92	SW70324WC	5	U	V	SW70323WC	5	U	V		
	11/06/92					SW70326WC	5	U	JA		
	11/17/92					SW70329WC	5	U	JA		
	12/03/92					SW70332WC	2	J	A		
	01/06/93					SW70340WC	9	U	JA		
	01/13/93	SW70344WC	5	U	V	SW70343WC	5	U	V		
	01/27/93	SW70347WC	5	U	V	SW70346WC	5	U	V		
	02/09/93	SW70350WC	5	U	V	SW70349WC	5	U	V		
	02/24/93	SW70353WC	5	U	V	SW70352WC	5	U	V		
	03/12/93					SW70001JE	5	U	V		
	03/23/93	SW70005JE	5	U	V	SW70004JE	5	U	V		
	04/07/93	SW70010JE	5	U	V	SW70009JE	5	U	V		
	04/22/93	SW70013JE	5	U	V	SW70012JE	5	U	V		

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES. V = Valid. A = Acceptable. R Rejected J = Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Volatile Organics CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION		
METHYLENE CHLORIDE (CRDL 5)													
	05/05/93	SW70022JE	6	B	JA	SW70020JE	5	B	JA				
	05/19/93	SW70029JE	5	U	V	SW70028JE	5	U	V				
	06/02/93	SW70047JE	5	U	V	SW70046JE	5	U	V				
	06/16/93	SW70051JE	5	U	V	SW70050JE	5	U	V				
	06/30/93	SW70076JE	5	U	V	SW70075JE	5	U	V				
	07/14/93	SW70080JE	5	U	Z	SW70079JE	5	U	Z				
	07/28/93	SW70093JE	5	U	V	SW70092JE	5	U	V				
	08/11/93	SW00103JE	5	U		SW00102JE	5	U					
	08/27/93	SW00106JE	5	U		SW00105JE	5	U					
	09/07/93									SW00107JE	5	U	
	09/08/93	SW00110JE	5	U		SW00109JE	5	U		SW00108JE	5	U	
	09/09/93									SW00111JE	5	U	V
	09/10/93									SW00112JE	5	U	V
	09/11/93									SW00113JE	5	U	V
	09/12/93									SW00114JE	5	U	V
	09/13/93									SW00115JE	5	U	V
	09/14/93									SW00116JE	5	U	
	09/15/93									SW00117JE	5	U	
	09/16/93									SW00118JE	5	U	
	09/17/93									SW00119JE	5	U	
	09/18/93									SW00120JE	5	U	
	09/19/93									SW00121JE	5	U	
	09/20/93									SW00122JE	5	U	
	09/21/93	SW00125JE	1	J		SW00124JE	5	U					
	09/28/93	SW00128JE	5	U		SW00127JE	5	U					

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Volatile Organics CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION
STYRENE (CRDL 5)	05/08/91	SW01161WC	5	U	V	SW01163WC	5	U	V		
	06/20/91	SW01264WC	5	U		SW01266WC	5	U			
	07/12/91					SW01369WC	5	U	V		
	08/07/91	SW01473WC	5	U	V	SW01475WC	5	U	V		
	09/17/91	SW01579WC	5	U	V	SW01581WC	5	U	JA		
	10/17/91					SW01687WC	5	U	V		
	10/21/91	SW01685WC	5	U	V						
	01/27/92	SW01807WC	5	U	V	SW01809WC	5	U	V		
	04/06/92	SW70259WC	5	U	V	SW70260WC	5	U	V		
	04/22/92	SW70266WC	5	U	JA	SW70267WC	5	U	JA		
	04/27/92	SW01889WC	5	U	V	SW01891WC	5	U	V		
	05/06/92	SW70271WC	5	U	V	SW70272WC	5	U	V		
	05/20/92	SW70285WC	5	U	V	SW70286WC	5	U	V		
	06/04/92	SW70290WC	5	U	V	SW70291WC	5	U	V		
	06/17/92	SW70293WC	5	U	V	SW70294WC	5	U	V		
	07/02/92	SW70296WC	5	U	V	SW70297WC	5	U	V		
	07/15/92					SW70300WC	5	U	V		
	07/29/92	SW70302WC	5	U	V	SW70303WC	5	U	V		
	08/12/92	SW70305WC	5	U		SW70306WC	5	U	V		
	08/20/92	SW02012WC	5	U	V	SW02013WC	5	U	V		
	08/26/92	SW70310WC	5	U	V	SW70309WC	5	U	V		
	09/08/92	SW70314WC	5	U	JA	SW70313WC	5	U	JA		
	09/22/92	SW70315WC	5	U	V	SW70316WC	5	U	V		
	09/28/92	FT00443REU	5	U	V						
	10/07/92	SW70321WC	5	U	V	SW70320WC	5	U	V		

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits = duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES· V = Valid A = Acceptable R = Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Volatile Organics CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION		
STYRENE (CRDL 5)													
	10/21/92	SW70324WC	5	U	V	SW70323WC	5	U	V				
	11/06/92					SW70326WC	5	U	JA				
	11/17/92					SW70329WC	5	U	JA				
	12/03/92					SW70332WC	5	U	JA				
	01/06/93					SW70340WC	5	U	V				
	01/13/93	SW70344WC	5	U	V	SW70343WC	5	U	V				
	01/27/93	SW70347WC	5	U	V	SW70346WC	5	U	V				
	02/09/93	SW70350WC	5	U	V	SW70349WC	5	U	V				
	02/24/93	SW70353WC	5	U	V	SW70352WC	5	U	V				
	03/12/93					SW70001JE	5	U	V				
	03/23/93	SW70005JE	5	U	V	SW70004JE	5	U	V				
	04/07/93	SW70010JE	5	U	V	SW70009JE	5	U	V				
	04/22/93	SW70013JE	5	U	V	SW70012JE	5	U	V				
	05/05/93	SW70022JE	5	U	V	SW70020JE	5	U	V				
	05/19/93	SW70029JE	5	U	V	SW70028JE	5	U	V				
	06/02/93	SW70047JE	5	U	V	SW70046JE	5	U	V				
	06/16/93	SW70051JE	5	U	V	SW70050JE	5	U	V				
	06/30/93	SW70076JE	5	U	V	SW70075JE	5	U	V				
	07/14/93	SW70080JE	5	U	Z	SW70079JE	5	U	Z				
	07/28/93	SW70093JE	5	U	V	SW70092JE	5	U	V				
	08/11/93	SW00103JE	5	U		SW00102JE	5	U					
	08/27/93	SW00106JE	5	U		SW00105JE	5	U					
	09/07/93									SW00107JE	5	U	
	09/08/93	SW00110JE	5	U		SW00109JE	5	U		SW00108JE	5	U	
	09/09/93									SW00111JE	5	U	V

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value
*CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Volatile Organics CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION		
STYRENE (CRDL 5)													
	09/10/93									SW00112JE	5	U	V
	09/11/93									SW00113JE	5	U	V
	09/12/93									SW00114JE	5	U	V
	09/13/93									SW00115JE	5	U	V
	09/14/93									SW00116JE	5	U	
	09/15/93									SW00117JE	5	U	
	09/16/93									SW00118JE	5	U	
	09/17/93									SW00119JE	5	U	
	09/18/93									SW00120JE	5	U	
	09/19/93									SW00121JE	5	U	
	09/20/93									SW00122JE	5	U	
	09/21/93	SW00125JE	5	U		SW00124JE	5	U					
	09/28/93	SW00128JE	5	U		SW00127JE	5	U					
TETRACHLOROETHENE (CRDL 5)	05/08/91	SW01161WC	55		V	SW01163WC	6		V				
	06/20/91	SW01264WC	76			SW01266WC	5						
	07/12/91					SW01369WC	5		V				
	08/07/91	SW01473WC	36		V	SW01475WC	5		V				
	09/17/91	SW01579WC	69		V	SW01581WC	4	J	A				
	10/17/91					SW01687WC	5	U	V				
	10/21/91	SW01685WC	68		V								
	01/27/92	SW01807WC	99		V	SW01809WC	5	U	V				
	04/06/92	SW70259WC	120	D		SW70260WC	22		V				
	04/22/92	SW70266WC	120		V	SW70267WC	14		V				
	04/27/92	SW01889WC	94		V	SW01891WC	10		V				
	05/06/92	SW70271WC	87		V	SW70272WC	9		V				

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid. A Acceptable. R = Rejected. J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Volatile Organics CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION		STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION
TETRACHLOROETHENE (CRDL 5)										
	05/20/92	SW70285WC	88	V	SW70286WC	2	J	A		
	06/04/92	SW70290WC	100	V	SW70291WC	5		V		
	06/17/92	SW70293WC	110	V	SW70294WC	5		V		
	07/02/92	SW70296WC	110	V	SW70297WC	2	J	A		
	07/15/92				SW70300WC	2	J	A		
	07/29/92	SW70302WC	83	V	SW70303WC	2	J	A		
	08/12/92	SW70305WC	66		SW70306WC	5	U	V		
	08/20/92	SW02012WC	76	V	SW02013WC	5	U	V		
	08/26/92	SW70310WC	20	V	SW70309WC	7		V		
	09/08/92	SW70314WC	81	V	SW70313WC	1	J	A		
	09/22/92	SW70315WC	64	V	SW70316WC	5	U	V		
	09/28/92	FT00443REU	25	V						
	10/07/92	SW70321WC	45	V	SW70320WC	5	U	V		
	10/21/92	SW70324WC	35	V	SW70323WC	5	U	V		
	11/06/92				SW70326WC	5	U	JA		
	11/17/92				SW70329WC	5	U	V		
	12/03/92				SW70332WC	3	J	A		
	01/06/93				SW70340WC	5	U	V		
	01/13/93	SW70344WC	24	V	SW70343WC	5	U	V		
	01/27/93	SW70347WC	51	V	SW70346WC	5	U	V		
	02/09/93	SW70350WC	59	V	SW70349WC	5	U	V		
	02/24/93	SW70353WC	86	V	SW70352WC	2	J	A		
	03/12/93				SW70001JE	5		V		
	03/23/93	SW70005JE	45	V	SW70004JE	2	J	A		
	04/07/93	SW70010JE	57	V	SW70009JE	18		V		

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Volatile Organics CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION		STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION		
TETRACHLOROETHENE (CRDL 5)												
	04/22/93	SW70013JE	62	V	SW70012JE	10		V				
	05/05/93	SW70022JE	59	V	SW70020JE	4	J	A				
	05/19/93	SW70029JE	35	V	SW70028JE	9		V				
	06/02/93	SW70047JE	46	V	SW70046JE	5	U	V				
	06/16/93	SW70051JE	43	V	SW70050JE	5	U	V				
	06/30/93	SW70076JE	55	V	SW70075JE	5	U	V				
	07/14/93	SW70080JE	31	Z	SW70079JE	21		Z				
	07/28/93	SW70093JE	27	V	SW70092JE	5	U	V				
	08/11/93	SW00103JE	23		SW00102JE	5	U					
	08/27/93	SW00106JE	21		SW00105JE	5	U					
	09/07/93								SW00107JE	5	U	
	09/08/93	SW00110JE	33		SW00109JE	5	U		SW00108JE	5	U	
	09/09/93								SW00111JE	5	U	V
	09/10/93								SW00112JE	5	U	V
	09/11/93								SW00113JE	5	U	V
	09/12/93								SW00114JE	5	U	V
	09/13/93								SW00115JE	1	J	A
	09/14/93								SW00116JE	5	U	
	09/15/93								SW00117JE	5	U	
	09/16/93								SW00118JE	5	U	
	09/17/93								SW00119JE	5	U	
	09/18/93								SW00120JE	5	U	
	09/19/93								SW00121JE	5	U	
	09/20/93								SW00122JE	5	U	
	09/21/93	SW00125JE	46		SW00124JE	1	J					

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Volatile Organics CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION
TETRACHLOROETHENE (CRDL 5)											
	09/28/93	SW00128JE	57			SW00127JE	5	U			
TOLUENE (CRDL 5)	05/08/91	SW01161WC	5	U	V	SW01163WC	5	U	V		
	06/20/91	SW01264WC	5	U		SW01266WC	5	U			
	07/12/91					SW01369WC	5	U	V		
	08/07/91	SW01473WC	5	U	V	SW01475WC	5	U	V		
	09/17/91	SW01579WC	5	U	V	SW01581WC	7		JA		
	10/17/91					SW01687WC	5	U	V		
	10/21/91	SW01685WC	5	U	V						
	01/27/92	SW01807WC	5	U	V	SW01809WC	5	U	V		
	04/06/92	SW70259WC	5	U	V	SW70260WC	5	U	V		
	04/22/92	SW70266WC	5	U	JA	SW70267WC	5	U	JA		
	04/27/92	SW01889WC	5	U	V	SW01891WC	5	U	V		
	05/06/92	SW70271WC	5	U	V	SW70272WC	5	U	JA		
	05/20/92	SW70285WC	5	U	V	SW70286WC	5	U	V		
	06/04/92	SW70290WC	5	U	V	SW70291WC	5	U	V		
	06/17/92	SW70293WC	5	U	V	SW70294WC	5	U	V		
	07/02/92	SW70296WC	5	U	V	SW70297WC	5	U	V		
	07/15/92					SW70300WC	5	U	V		
	07/29/92	SW70302WC	5	U	V	SW70303WC	5	U	V		
	08/12/92	SW70305WC	5	U		SW70306WC	5	U	V		
	08/20/92	SW02012WC	2	J	A	SW02013WC	2	J	A		
	08/26/92	SW70310WC	5	U	V	SW70309WC	5	U	V		
	09/08/92	SW70314WC	5	U	JA	SW70313WC	5	U	JA		
	09/22/92	SW70315WC	5	U	V	SW70316WC	5	U	V		
	09/28/92	FT00443REU	5	U	V						

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value
*CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Volatile Organics CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	
TOLUENE (CRDL 5)												
	10/07/92	SW70321WC	5	U	V	SW70320WC	5	U	V			
	10/21/92	SW70324WC	5	U	V	SW70323WC	5	U	V			
	11/06/92					SW70326WC	5	U	JA			
	11/17/92					SW70329WC	5	U	JA			
	12/03/92					SW70332WC	5	U	JA			
	01/06/93					SW70340WC	5	U	V			
	01/13/93	SW70344WC	5	U	V	SW70343WC	5	U	V			
	01/27/93	SW70347WC	5	U	V	SW70346WC	5	U	V			
	02/09/93	SW70350WC	5	U	V	SW70349WC	5	U	V			
	02/24/93	SW70353WC	5	U	V	SW70352WC	5	U	V			
	03/12/93					SW70001JE	5	U	V			
	03/23/93	SW70005JE	5	U	V	SW70004JE	5	U	V			
	04/07/93	SW70010JE	5	U	V	SW70009JE	5	U	V			
	04/22/93	SW70013JE	5	U	V	SW70012JE	5	U	V			
	05/05/93	SW70022JE	5	U	V	SW70020JE	5	U	V			
	05/19/93	SW70029JE	5	U	V	SW70028JE	5	U	V			
	06/02/93	SW70047JE	5	U	V	SW70046JE	5	U	V			
	06/16/93	SW70051JE	5	U	V	SW70050JE	5	U	V			
	06/30/93	SW70076JE	5	U	V	SW70075JE	5	U	V			
	07/14/93	SW70080JE	5	U	Z	SW70079JE	5	U	Z			
	07/28/93	SW70093JE	5	U	V	SW70092JE	5	U	V			
	08/11/93	SW00103JE	5	U		SW00102JE	5	U				
	08/27/93	SW00106JE	5	U		SW00105JE	5	U				
	09/07/93									SW00107JE	5	U
	09/08/93	SW00110JE	5	U		SW00109JE	5	U		SW00108JE	5	U

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S = Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES· V = Valid A = Acceptable R = Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Volatile Organics CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION		
TOLUENE (CRDL 5)													
	09/09/93									SW00111JE	5	U	V
	09/10/93									SW00112JE	5	U	V
	09/11/93									SW00113JE	5	U	V
	09/12/93									SW00114JE	5	U	V
	09/13/93									SW00115JE	5	U	V
	09/14/93									SW00116JE	5	U	
	09/15/93									SW00117JE	5	U	
	09/16/93									SW00118JE	5	U	
	09/17/93									SW00119JE	5	U	
	09/18/93									SW00120JE	5	U	
	09/19/93									SW00121JE	5	U	
	09/20/93									SW00122JE	5	U	
	09/21/93	SW00125JE	5	U		SW00124JE	5	U					
	09/28/93	SW00128JE	5	U		SW00127JE	5	U					
TOTAL XYLENES (CRDL 5)	05/08/91	SW01161WC	5	U	V	SW01163WC	5	U	V				
	06/20/91	SW01264WC	5	U		SW01266WC	5	U					
	07/12/91					SW01369WC	5	U	V				
	08/07/91	SW01473WC	5	U	V	SW01475WC	5	U	V				
	09/17/91	SW01579WC	5	U	V	SW01581WC	2	J	A				
	10/17/91					SW01687WC	5	U	V				
	10/21/91	SW01685WC	5	U	V								
	01/27/92	SW01807WC	5	U	V	SW01809WC	5	U	V				
	04/06/92	SW70259WC	5	U	V	SW70260WC	5	U	V				
	04/22/92	SW70266WC	5	U	JA	SW70267WC	5	U	JA				
	04/27/92	SW01889WC	5	U	V	SW01891WC	5	U	V				

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES. V Valid. A Acceptable. R Rejected. J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Volatile Organics CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION
TOTAL XYLENES (CRDL 5)											
	05/06/92	SW70271WC	5	U	V	SW70272WC	5	U	V		
	05/20/92	SW70285WC	5	U	V	SW70286WC	5	U	V		
	06/04/92	SW70290WC	5	U	V	SW70291WC	5	U	V		
	06/17/92	SW70293WC	5	U	V	SW70294WC	5	U	V		
	07/02/92	SW70296WC	5	U	V	SW70297WC	5	U	V		
	07/15/92					SW70300WC	5	U	V		
	07/29/92	SW70302WC	5	U	V	SW70303WC	5	U	V		
	08/12/92	SW70305WC	5	U		SW70306WC	5	U	V		
	08/20/92	SW02012WC	5	U	V	SW02013WC	5	U	V		
	08/26/92	SW70310WC	5	U	V	SW70309WC	5	U	V		
	09/08/92	SW70314WC	5	U	JA	SW70313WC	5	U	JA		
	09/22/92	SW70315WC	5	U	V	SW70316WC	5	U	V		
	09/28/92	FT00443REU	5	U	V						
	10/07/92	SW70321WC	5	U	V	SW70320WC	5	U	V		
	10/21/92	SW70324WC	5	U	V	SW70323WC	5	U	V		
	11/06/92					SW70326WC	5	U	JA		
	11/17/92					SW70329WC	5	U	JA		
	12/03/92					SW70332WC	5	U	JA		
	01/06/93					SW70340WC	5	U	V		
	01/13/93	SW70344WC	5	U	V	SW70343WC	5	U	V		
	01/27/93	SW70347WC	5	U	V	SW70346WC	5	U	V		
	02/09/93	SW70350WC	5	U	V	SW70349WC	5	U	V		
	02/24/93	SW70353WC	5	U	V	SW70352WC	5	U	V		
	03/12/93					SW70001JE	5	U	V		
	03/23/93	SW70005JE	5	U	V	SW70004JE	5	U	V		

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value
*CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Volatile Organics CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION		
TOTAL XYLENES (CRDL 5)													
	04/07/93	SW70010JE	5	U	V	SW70009JE	5	U	V				
	04/22/93	SW70013JE	5	U	V	SW70012JE	5	U	V				
	05/05/93	SW70022JE	5	U	V	SW70020JE	5	U	V				
	05/19/93	SW70029JE	5	U	V	SW70028JE	5	U	V				
	06/02/93	SW70047JE	5	U	V	SW70046JE	5	U	V				
	06/16/93	SW70051JE	5	U	V	SW70050JE	5	U	V				
	06/30/93	SW70076JE	5	U	V	SW70075JE	5	U	V				
	07/14/93	SW70080JE	5	U	Z	SW70079JE	5	U	Z				
	07/28/93	SW70093JE	5	U	V	SW70092JE	5	U	V				
	08/11/93	SW00103JE	5	U		SW00102JE	5	U					
	08/27/93	SW00106JE	5	U		SW00105JE	5	U					
	09/07/93									SW00107JE	5	U	
	09/08/93	SW00110JE	5	U		SW00109JE	5	U		SW00108JE	5	U	
	09/09/93									SW00111JE	5	U	V
	09/10/93									SW00112JE	5	U	V
	09/11/93									SW00113JE	5	BJX	JA
	09/12/93									SW00114JE	5	U	V
	09/13/93									SW00115JE	5	BJX	JA
	09/14/93									SW00116JE	5	U	
	09/15/93									SW00117JE	5	U	
	09/16/93									SW00118JE	5	U	
	09/17/93									SW00119JE	5	U	
	09/18/93									SW00120JE	5	U	
	09/19/93									SW00121JE	5	U	
	09/20/93									SW00122JE	5	U	

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CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Volatile Organics CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION
TOTAL XYLENES (CRDL 5)											
	09/21/93	SW00125JE	5	U		SW00124JE	5	U			
	09/28/93	SW00128JE	5	U		SW00127JE	5	U			
TRICHLOROETHENE (CRDL 5)	05/08/91	SW01161WC	39		V	SW01163WC	7		V		
	06/20/91	SW01264WC	69			SW01266WC	7				
	07/12/91					SW01369WC	4		A		
	08/07/91	SW01473WC	25		V	SW01475WC	5		V		
	09/17/91	SW01579WC	79		V	SW01581WC	2	J	A		
	10/17/91					SW01687WC	5	U	V		
	10/21/91	SW01685WC	61		V						
	01/27/92	SW01807WC	110		V	SW01809WC	3	J	A		
	04/06/92	SW70259WC	150	D		SW70260WC	32		JA		
	04/22/92	SW70266WC	110		V	SW70267WC	20		V		
	04/27/92	SW01889WC	90		V	SW01891WC	15		V		
	05/06/92	SW70271WC	110		V	SW70272WC	7		V		
	05/20/92	SW70285WC	110		V	SW70286WC	4	J	A		
	06/04/92	SW70290WC	140		V	SW70291WC	6		V		
	06/17/92	SW70293WC	140		V	SW70294WC	6		V		
	07/02/92	SW70296WC	130		V	SW70297WC	2	J	A		
	07/15/92					SW70300WC	2	J	A		
	07/29/92	SW70302WC	120		V	SW70303WC	3	J	A		
	08/12/92	SW70305WC	87			SW70306WC	5	U	V		
	08/20/92	SW02012WC	95		V	SW02013WC	2	J	A		
	08/26/92	SW70310WC	18		V	SW70309WC	7		V		
	09/08/92	SW70314WC	110		V	SW70313WC	2	J	A		
	09/22/92	SW70315WC	78		V	SW70316WC	5	U	V		

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
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S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Volatile Organics CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION		STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	
TRICHLOROETHENE (CRDL 5)											
	09/28/92	FT00443REU	34	V							
	10/07/92	SW70321WC	53	V	SW70320WC	5	U	V			
	10/21/92	SW70324WC	42	V	SW70323WC	5	U	V			
	11/06/92				SW70326WC	5	U	JA			
	11/17/92				SW70329WC	5	U	V			
	12/03/92				SW70332WC	5		V			
	01/06/93				SW70340WC	5	U	V			
	01/13/93	SW70344WC	27	V	SW70343WC	5	U	V			
	01/27/93	SW70347WC	70	V	SW70346WC	5	U	V			
	02/09/93	SW70350WC	83	V	SW70349WC	5	U	V			
	02/24/93	SW70353WC	82	V	SW70352WC	2	J	A			
	03/12/93				SW70001JE	4	J	A			
	03/23/93	SW70005JE	47	V	SW70004JE	4	J	A			
	04/07/93	SW70010JE	57	V	SW70009JE	19		V			
	04/22/93	SW70013JE	72	V	SW70012JE	15		V			
	05/05/93	SW70022JE	66	V	SW70020JE	6		V			
	05/19/93	SW70029JE	39	V	SW70028JE	9		V			
	06/02/93	SW70047JE	52	JA	SW70046JE	4	J	A			
	06/16/93	SW70051JE	58	V	SW70050JE	5	U	V			
	06/30/93	SW70076JE	54	JA	SW70075JE	5	U	V			
	07/14/93	SW70080JE	35	Z	SW70079JE	15		Z			
	07/28/93	SW70093JE	26	V	SW70092JE	5	U	V			
	08/11/93	SW00103JE	26		SW00102JE	5	U				
	08/27/93	SW00106JE	24		SW00105JE	5	U				
	09/07/93								SW00107JE	5	U

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
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S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES. V = Valid. A Acceptable. R = Rejected. J = Associated numerical value is an estimated val
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flat February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Volatile Organics CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION		
TRICHLOROETHENE (CRDL 5)													
	09/08/93	SW00110JE	30			SW00109JE	5	U		SW00108JE	5	U	
	09/09/93									SW00111JE	5	U	V
	09/10/93									SW00112JE	5	U	V
	09/11/93									SW00113JE	5	U	V
	09/12/93									SW00114JE	5	U	V
	09/13/93									SW00115JE	5	U	V
	09/14/93									SW00116JE	5	U	
	09/15/93									SW00117JE	5	U	
	09/16/93									SW00118JE	5	U	
	09/17/93									SW00119JE	5	U	
	09/18/93									SW00120JE	5	U	
	09/19/93									SW00121JE	5	U	
	09/20/93									SW00122JE	5	U	
	09/21/93	SW00125JE	62			SW00124JE	1	J					
	09/28/93	SW00128JE	71			SW00127JE	5	U					
VINYL ACETATE (CRDL 10)	05/08/91	SW01161WC	10	U	V	SW01163WC	10	U	V				
	06/20/91	SW01264WC	10	U		SW01266WC	10	U					
	07/12/91					SW01369WC	10	U	V				
	08/07/91	SW01473WC	10	U	R	SW01475WC	10	U	V				
	09/17/91	SW01579WC	10	U	V	SW01581WC	10	U	V				
	10/17/91					SW01687WC	10	U	V				
	10/21/91	SW01685WC	10	U	V								
	01/27/92	SW01807WC	10	U	V	SW01809WC	10	U	V				
	04/06/92	SW70259WC	10	U	V	SW70260WC	10	U	V				
	04/22/92	SW70266WC	10	U	V	SW70267WC	10	U	V				

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VALIDATION CODES V Valid A Acceptable. R Rejected. J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Volatile Organics CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION
VINYL ACETATE (CRDL 10)											
	04/27/92	SW01889WC	10	U	V	SW01891WC	10	U	V		
	05/06/92	SW70271WC	10	U	V	SW70272WC	10	U	V		
	05/20/92	SW70285WC	10	U	V	SW70286WC	10	U	V		
	06/04/92	SW70290WC	10	U	V	SW70291WC	10	U	V		
	06/17/92	SW70293WC	10	U	V	SW70294WC	10	U	V		
	07/02/92	SW70296WC	10	U	V	SW70297WC	10	U	V		
	07/15/92					SW70300WC	10	U	V		
	07/29/92	SW70302WC	10	U	V	SW70303WC	10	U	V		
	08/12/92	SW70305WC	10	U	V	SW70306WC	10	U	V		
	08/20/92	SW02012WC	10	U	V	SW02013WC	10	U	V		
	08/26/92	SW70310WC	10	U	V	SW70309WC	10	U	V		
	09/08/92	SW70314WC	10	U	V	SW70313WC	10	U	V		
	09/22/92	SW70315WC	10	U	V	SW70316WC	10	U	V		
	09/28/92	FT00443REU	10	U	V						
	10/07/92	SW70321WC	10	U	V	SW70320WC	10	U	V		
	10/21/92	SW70324WC	10	U	V	SW70323WC	10	U	V		
	11/06/92					SW70326WC	10	U	JA		
	11/17/92					SW70329WC	10	U	V		
	12/03/92					SW70332WC	10	U	V		
	01/06/93					SW70340WC	10	U	V		
	01/13/93	SW70344WC	10	U	R	SW70343WC	10	U	R		
	01/27/93	SW70347WC	10	U	V	SW70346WC	10	U	V		
	02/09/93	SW70350WC	10	U	V	SW70349WC	10	U	V		
	02/24/93	SW70353WC	10	U	V	SW70352WC	10	U	V		
	03/12/93					SW70001JE	10	U	V		

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value
*CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Volatile Organics CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION		
VINYL ACETATE (CRDL 10)													
	03/23/93	SW70005JE	10	U	V	SW70004JE	10	U	V				
	04/07/93	SW70010JE	10	U	V	SW70009JE	10	U	V				
	04/22/93	SW70013JE	10	U	R	SW70012JE	10	U	R				
	05/05/93	SW70022JE	10	U	V	SW70020JE	10	U	V				
	05/19/93	SW70029JE	10	U	V	SW70028JE	10	U	V				
	06/02/93	SW70047JE	10	U	V	SW70046JE	10	U	V				
	06/16/93	SW70051JE	10	U	V	SW70050JE	10	U	V				
	06/30/93	SW70076JE	10	U	V	SW70075JE	10	U	V				
	07/14/93	SW70080JE	10	U	Z	SW70079JE	10	U	Z				
	07/28/93	SW70093JE	10	U	V	SW70092JE	10	U	V				
	08/11/93	SW00103JE	10	U		SW00102JE	10	U					
	08/27/93	SW00106JE	10	U		SW00105JE	10	U					
	09/07/93									SW00107JE	10	U	
	09/08/93	SW00110JE	10	U		SW00109JE	10	U		SW00108JE	10	U	
	09/09/93									SW00111JE	10	U	V
	09/10/93									SW00112JE	10	U	V
	09/11/93									SW00113JE	10	U	V
	09/12/93									SW00114JE	10	U	V
	09/13/93									SW00115JE	10	U	V
	09/14/93									SW00116JE	10	U	
	09/15/93									SW00117JE	10	U	
	09/16/93									SW00118JE	10	U	
	09/17/93									SW00119JE	10	U	
	09/18/93									SW00120JE	10	U	
	09/19/93									SW00121JE	10	U	

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
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VALIDATION CODES· V = Valid A = Acceptable R = Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program, EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Volatile Organics CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	
VINYL ACETATE (CRDL 10)												
	09/20/93									SW00122JE	10	U
	09/21/93	SW00125JE	10	U		SW00124JE	10	U				
	09/28/93	SW00128JE	10	U		SW00127JE	10	U				
VINYL CHLORIDE (CRDL 10)	05/08/91	SW01161WC	10	U	V	SW01163WC	10	U	V			
	06/20/91	SW01264WC	10	U		SW01266WC	10	U				
	07/12/91					SW01369WC	10	U	V			
	08/07/91	SW01473WC	10	U	V	SW01475WC	8	J	A			
	09/17/91	SW01579WC	10	U	V	SW01581WC	5	J	A			
	10/17/91					SW01687WC	10	U	V			
	10/21/91	SW01685WC	10	U	V							
	01/27/92	SW01807WC	10	U	V	SW01809WC	6	J	A			
	04/06/92	SW70259WC	10	U	V	SW70260WC	2	J	A			
	04/22/92	SW70266WC	10	U	V	SW70267WC	2	J	A			
	04/27/92	SW01889WC	10	U	V	SW01891WC	2	J	A			
	05/06/92	SW70271WC	10	U	V	SW70272WC	10	U	V			
	05/20/92	SW70285WC	10	U	V	SW70286WC	10	U	V			
	06/04/92	SW70290WC	10	U	V	SW70291WC	10	U	V			
	06/17/92	SW70293WC	7	J	A	SW70294WC	7	J	A			
	07/02/92	SW70296WC	14		V	SW70297WC	10	U	V			
	07/15/92					SW70300WC	10	U	V			
	07/29/92	SW70302WC	2	J	A	SW70303WC	4	J	A			
	08/12/92	SW70305WC	10	U		SW70306WC	10	U	V			
	08/20/92	SW02012WC	3	J	A	SW02013WC	3	J	A			
	08/26/92	SW70310WC	10	U	V	SW70309WC	37		V			
	09/08/92	SW70314WC	3	J	A	SW70313WC	6	J	A			

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Volatile Organics CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION
VINYL CHLORIDE (CRDL 10)											
	09/22/92	SW70315WC	10	U	V	SW70316WC	10	U	V		
	09/28/92	FT00443REU	10	U	V						
	10/07/92	SW70321WC	10	U	V	SW70320WC	10	U	V		
	10/21/92	SW70324WC	10	U	V	SW70323WC	10	U	V		
	11/06/92					SW70326WC	10	U	JA		
	11/17/92					SW70329WC	10	U	V		
	12/03/92					SW70332WC	17		V		
	01/06/93					SW70340WC	10	U	V		
	01/13/93	SW70344WC	10	U	V	SW70343WC	10	U	V		
	01/27/93	SW70347WC	10	U	V	SW70346WC	10	U	V		
	02/09/93	SW70350WC	10	U	V	SW70349WC	1	J	A		
	02/24/93	SW70353WC	2	J	A	SW70352WC	3	J	A		
	03/12/93					SW70001JE	10	U	V		
	03/23/93	SW70005JE	10	U	V	SW70004JE	10	U	V		
	04/07/93	SW70010JE	10	U	V	SW70009JE	10	U	V		
	04/22/93	SW70013JE	10	U	V	SW70012JE	2	J	A		
	05/05/93	SW70022JE	10	U	V	SW70020JE	10	U	V		
	05/19/93	SW70029JE	10	U	V	SW70028JE	10	U	V		
	06/02/93	SW70047JE	10	U	V	SW70046JE	10	U	V		
	06/16/93	SW70051JE	10	U	V	SW70050JE	10	U	V		
	06/30/93	SW70076JE	6	J	A	SW70075JE	10	U	V		
	07/14/93	SW70080JE	10	U	Z	SW70079JE	10	U	Z		
	07/28/93	SW70093JE	10	U	V	SW70092JE	10	U	V		
	08/11/93	SW00103JE	10	U		SW00102JE	10	U			
	08/27/93	SW00106JE	10	U		SW00105JE	10	U			

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
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S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES· V = Valid A = Acceptable R = Rejected J = Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Volatile Organics CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION		
VINYL CHLORIDE (CRDL 10)													
	09/07/93									SW00107JE	10	U	
	09/08/93	SW00110JE	2	J		SW00109JE	10	U		SW00108JE	10	U	
	09/09/93									SW00111JE	10	U	V
	09/10/93									SW00112JE	10	U	V
	09/11/93									SW00113JE	10	U	V
	09/12/93									SW00114JE	10	U	V
	09/13/93									SW00115JE	10	U	V
	09/14/93									SW00116JE	10	U	
	09/15/93									SW00117JE	10	U	
	09/16/93									SW00118JE	10	U	
	09/17/93									SW00119JE	10	U	
	09/18/93									SW00120JE	10	U	
	09/19/93									SW00121JE	10	U	
	09/20/93									SW00122JE	10	U	
	09/21/93	SW00125JE	2	J		SW00124JE	10	U					
	09/28/93	SW00128JE	10	U		SW00127JE	10	U					
cis 1 3 DICHLOROPROPENE (CRDL 5)	05/08/91	SW01161WC	5	U	V	SW01163WC	5	U	V				
	06/20/91	SW01264WC	5	U		SW01266WC	5	U					
	07/12/91					SW01369WC	5	U	V				
	08/07/91	SW01473WC	5	U	V	SW01475WC	5	U	V				
	09/17/91	SW01579WC	5	U	V	SW01581WC	5	U	V				
	10/17/91					SW01687WC	5	U	V				
	10/21/91	SW01685WC	5	U	V								
	01/27/92	SW01807WC	5	U	V	SW01809WC	5	U	V				
	04/06/92	SW70259WC	5	U	V	SW70260WC	5	U	V				

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S = Reported value was determined by method of standard additions GENERAL CODES: Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Volatile Organics CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION
cis 1 3 DICHLOROPROPENE (CRDL 5)											
	04/22/92	SW70266WC	5	U	V	SW70267WC	5	U	V		
	04/27/92	SW01889WC	5	U	V	SW01891WC	5	U	V		
	05/06/92	SW70271WC	5	U	V	SW70272WC	5	U	V		
	05/20/92	SW70285WC	5	U	V	SW70286WC	5	U	V		
	06/04/92	SW70290WC	5	U	V	SW70291WC	5	U	V		
	06/17/92	SW70293WC	5	U	V	SW70294WC	5	U	V		
	07/02/92	SW70296WC	5	U	V	SW70297WC	5	U	V		
	07/15/92					SW70300WC	5	U	V		
	07/29/92	SW70302WC	5	U	V	SW70303WC	5	U	V		
	08/12/92	SW70305WC	5	U		SW70306WC	5	U	V		
	08/20/92	SW02012WC	5	U	V	SW02013WC	5	U	V		
	08/26/92	SW70310WC	5	U	V	SW70309WC	5	U	V		
	09/08/92	SW70314WC	5	U	V	SW70313WC	5	U	V		
	09/22/92	SW70315WC	5	U	V	SW70316WC	5	U	V		
	09/28/92	FT00443REU	5	U	V						
	10/07/92	SW70321WC	5	U	V	SW70320WC	5	U	V		
	10/21/92	SW70324WC	5	U	V	SW70323WC	5	U	V		
	11/06/92					SW70326WC	5	U	JA		
	11/17/92					SW70329WC	5	U	V		
	12/03/92					SW70332WC	5	U	V		
	01/06/93					SW70340WC	5	U	V		
	01/13/93	SW70344WC	5	U	V	SW70343WC	5	U	V		
	01/27/93	SW70347WC	5	U	V	SW70346WC	5	U	V		
	02/09/93	SW70350WC	5	U	V	SW70349WC	5	U	V		
	02/24/93	SW70353WC	5	U	V	SW70352WC	5	U	V		

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid. A Acceptable R Rejected. J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Volatile Organics CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION		
cis 1 3 DICHLOROPROPENE (CRDL 5)													
	03/12/93					SW70001JE	5	U	V				
	03/23/93	SW70005JE	5	U	V	SW70004JE	5	U	V				
	04/07/93	SW70010JE	5	U	V	SW70009JE	5	U	V				
	04/22/93	SW70013JE	5	U	V	SW70012JE	5	U	V				
	05/05/93	SW70022JE	5	U	V	SW70020JE	5	U	V				
	05/19/93	SW70029JE	5	U	V	SW70028JE	5	U	V				
	06/02/93	SW70047JE	5	U	V	SW70046JE	5	U	V				
	06/16/93	SW70051JE	5	U	V	SW70050JE	5	U	V				
	06/30/93	SW70076JE	5	U	R	SW70075JE	5	U	R				
	07/14/93	SW70080JE	5	U	Z	SW70079JE	5	U	Z				
	07/28/93	SW70093JE	5	U	V	SW70092JE	5	U	V				
	08/11/93	SW00103JE	5	U		SW00102JE	5	U					
	08/27/93	SW00106JE	5	U		SW00105JE	5	U					
	09/07/93									SW00107JE	5	U	
	09/08/93	SW00110JE	5	U		SW00109JE	5	U		SW00108JE	5	U	
	09/09/93									SW00111JE	5	U	V
	09/10/93									SW00112JE	5	U	V
	09/11/93									SW00113JE	5	U	V
	09/12/93									SW00114JE	5	U	V
	09/13/93									SW00115JE	5	U	V
	09/14/93									SW00116JE	5	U	
	09/15/93									SW00117JE	5	U	
	09/16/93									SW00118JE	5	U	
	09/17/93									SW00119JE	5	U	
	09/18/93									SW00120JE	5	U	

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OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Volatile Organics CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	
cis 1 3 DICHLOROPROPENE (CRDL 5)												
	09/19/93									SW00121JE	5	U
	09/20/93									SW00122JE	5	U
	09/21/93	SW00125JE	5	U		SW00124JE	5	U				
	09/28/93	SW00128JE	5	U		SW00127JE	5	U				
trans 1 3 DICHLOROPROPENE (CRDL 5)	05/08/91	SW01161WC	5	U	V	SW01163WC	5	U	V			
	06/20/91	SW01264WC	5	U		SW01266WC	5	U				
	07/12/91					SW01369WC	5	U	V			
	08/07/91	SW01473WC	5	U	V	SW01475WC	5	U	V			
	09/17/91	SW01579WC	5	U	V	SW01581WC	5	U	V			
	10/17/91					SW01687WC	5	U	V			
	10/21/91	SW01685WC	5	U	V							
	01/27/92	SW01807WC	5	U	V	SW01809WC	5	U	V			
	04/06/92	SW70259WC	5	U	V	SW70260WC	5	U	V			
	04/22/92	SW70266WC	5	U	V	SW70267WC	5	U	V			
	04/27/92	SW01889WC	5	U	V	SW01891WC	5	U	V			
	05/06/92	SW70271WC	5	U	V	SW70272WC	5	U	V			
	05/20/92	SW70285WC	5	U	V	SW70286WC	5	U	V			
	06/04/92	SW70290WC	5	U	V	SW70291WC	5	U	V			
	06/17/92	SW70293WC	5	U	V	SW70294WC	5	U	V			
	07/02/92	SW70296WC	5	U	V	SW70297WC	5	U	V			
	07/15/92					SW70300WC	5	U	V			
	07/29/92	SW70302WC	5	U	V	SW70303WC	5	U	V			
	08/12/92	SW70305WC	5	U		SW70306WC	5	U	V			
	08/20/92	SW02012WC	5	U	V	SW02013WC	5	U	V			
	08/26/92	SW70310WC	5	U	V	SW70309WC	5	U	V			

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
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OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Volatile Organics CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION			STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION			STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION
trans 1 3 DICHLOROPROPENE (CRDL 5)											
	09/08/92	SW70314WC	5	U	V	SW70313WC	5	U	V		
	09/22/92	SW70315WC	5	U	V	SW70316WC	5	U	V		
	09/28/92	FT00443REU	5	U	V						
	10/07/92	SW70321WC	5	U	V	SW70320WC	5	U	V		
	10/21/92	SW70324WC	5	U	V	SW70323WC	5	U	V		
	11/06/92					SW70326WC	5	U	JA		
	11/17/92					SW70329WC	5	U	V		
	12/03/92					SW70332WC	5	U	V		
	01/06/93					SW70340WC	5	U	V		
	01/13/93	SW70344WC	5	U	V	SW70343WC	5	U	V		
	01/27/93	SW70347WC	5	U	V	SW70346WC	5	U	V		
	02/09/93	SW70350WC	5	U	V	SW70349WC	5	U	V		
	02/24/93	SW70353WC	5	U	V	SW70352WC	5	U	V		
	03/12/93					SW70001JE	5	U	R		
	03/23/93	SW70005JE	5	U	V	SW70004JE	5	U	V		
	04/07/93	SW70010JE	5	U	V	SW70009JE	5	U	V		
	04/22/93	SW70013JE	5	U	V	SW70012JE	5	U	V		
	05/05/93	SW70022JE	5	U	V	SW70020JE	5	U	V		
	05/19/93	SW70029JE	5	U	V	SW70028JE	5	U	V		
	06/02/93	SW70047JE	5	U	V	SW70046JE	5	U	V		
	06/16/93	SW70051JE	5	U	V	SW70050JE	5	U	V		
	06/30/93	SW70076JE	5	U	R	SW70075JE	5	U	R		
	07/14/93	SW70080JE	5	U	Z	SW70079JE	5	U	Z		
	07/28/93	SW70093JE	5	U	V	SW70092JE	5	U	V		
	08/11/93	SW00103JE	5	U		SW00102JE	5	U			

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
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CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

OPERABLE UNIT NO 2 IM/IRA
Upstream Surface Water

Volatile Organics CLP & Non CLP
(Concentration Units ug/l)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION		STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION		STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION		
trans 1 3 DICHLOROPROPENE (CRDL 5)											
	08/27/93	SW00106JE	5	U	SW00105JE	5	U				
	09/07/93							SW00107JE	5	U	
	09/08/93	SW00110JE	5	U	SW00109JE	5	U	SW00108JE	5	U	
	09/09/93							SW00111JE	5	U	V
	09/10/93							SW00112JE	5	U	V
	09/11/93							SW00113JE	5	U	V
	09/12/93							SW00114JE	5	U	V
	09/13/93							SW00115JE	5	U	V
	09/14/93							SW00116JE	5	U	
	09/15/93							SW00117JE	5	U	
	09/16/93							SW00118JE	5	U	
	09/17/93							SW00119JE	5	U	
	09/18/93							SW00120JE	5	U	
	09/19/93							SW00121JE	5	U	
	09/20/93							SW00122JE	5	U	
	09/21/93	SW00125JE	5	U	SW00124JE	5	U				
	09/28/93	SW00128JE	5	U	SW00127JE	5	U				

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value
CRDL from GRRASP (General Radiochemistry and Routine Analytical Services Protocol ER Program EG&G Rocky Flats February 15 1990)

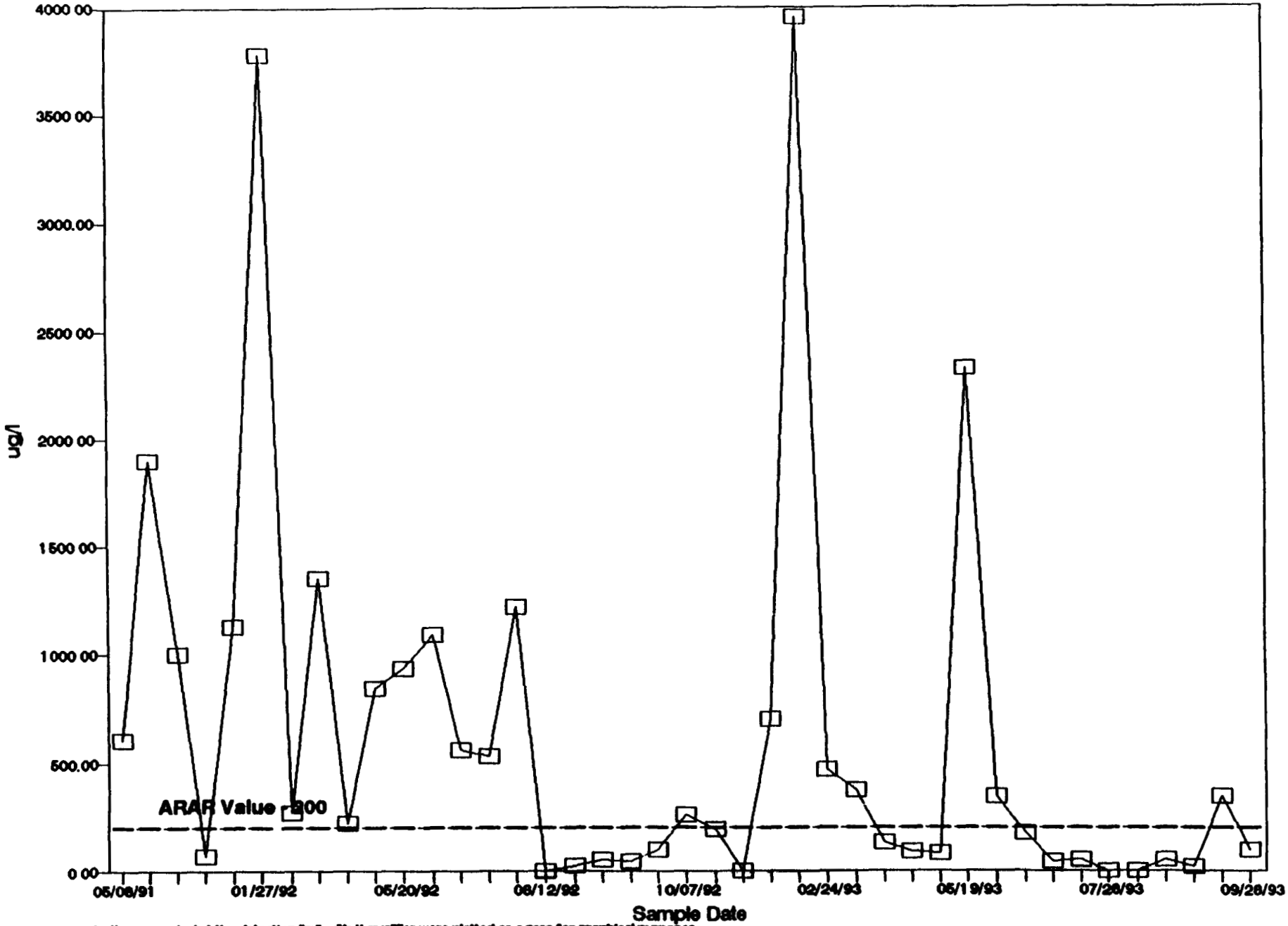
Appendix D
Plots of Concentrations vs. Time for Potential Surface Water Contaminants with ARARs: Stations SW-59, SW-61, and SW-132

APPENDIX D

PLOTS OF CONCENTRATION VS TIME FOR POTENTIAL SURFACE WATER CONTAMINANTS WITH ARARs

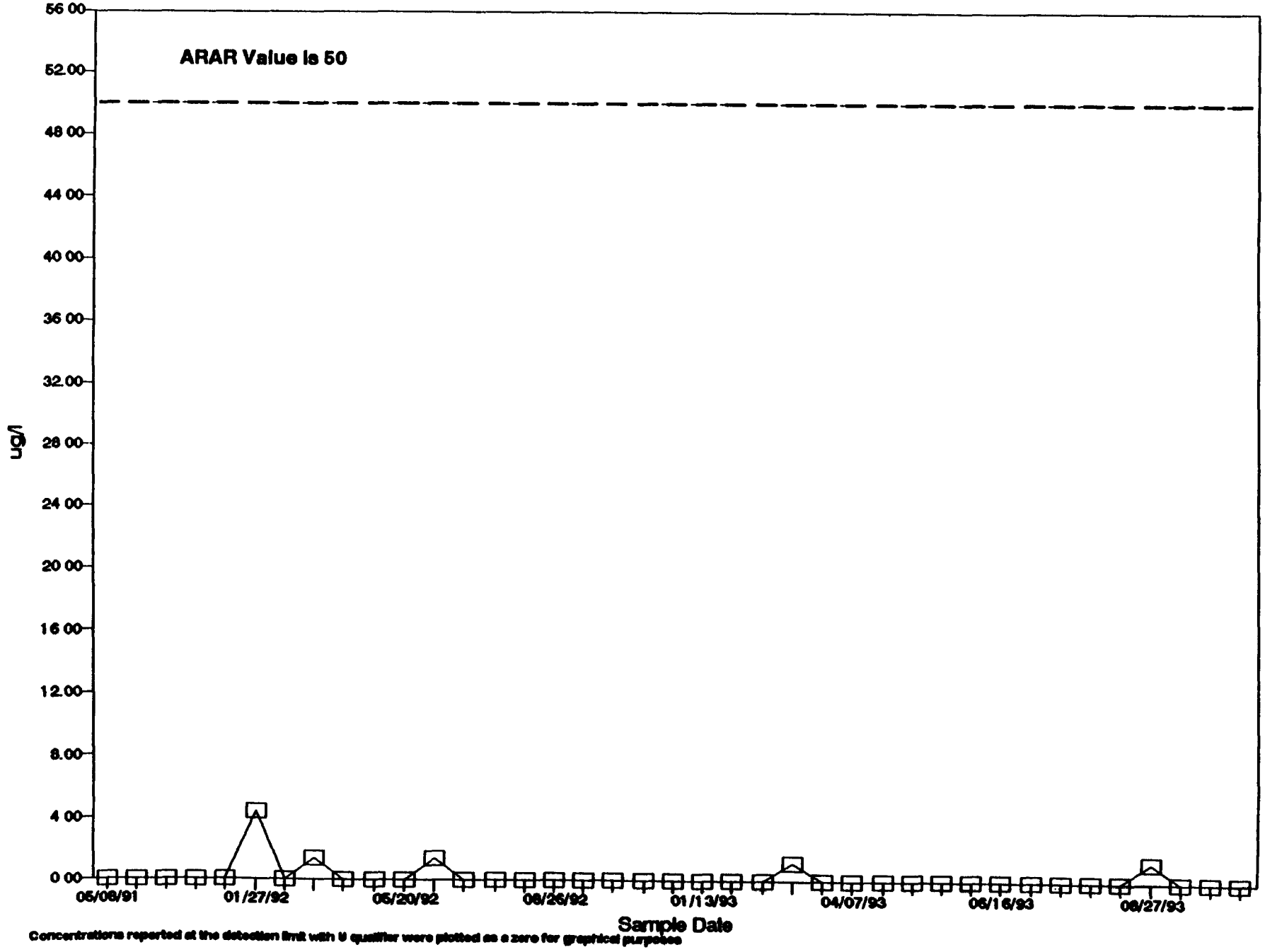
STATIONS SW 59, SW-61, AND SW-132

Surface Water Station SW059
Total Aluminum Concentrations



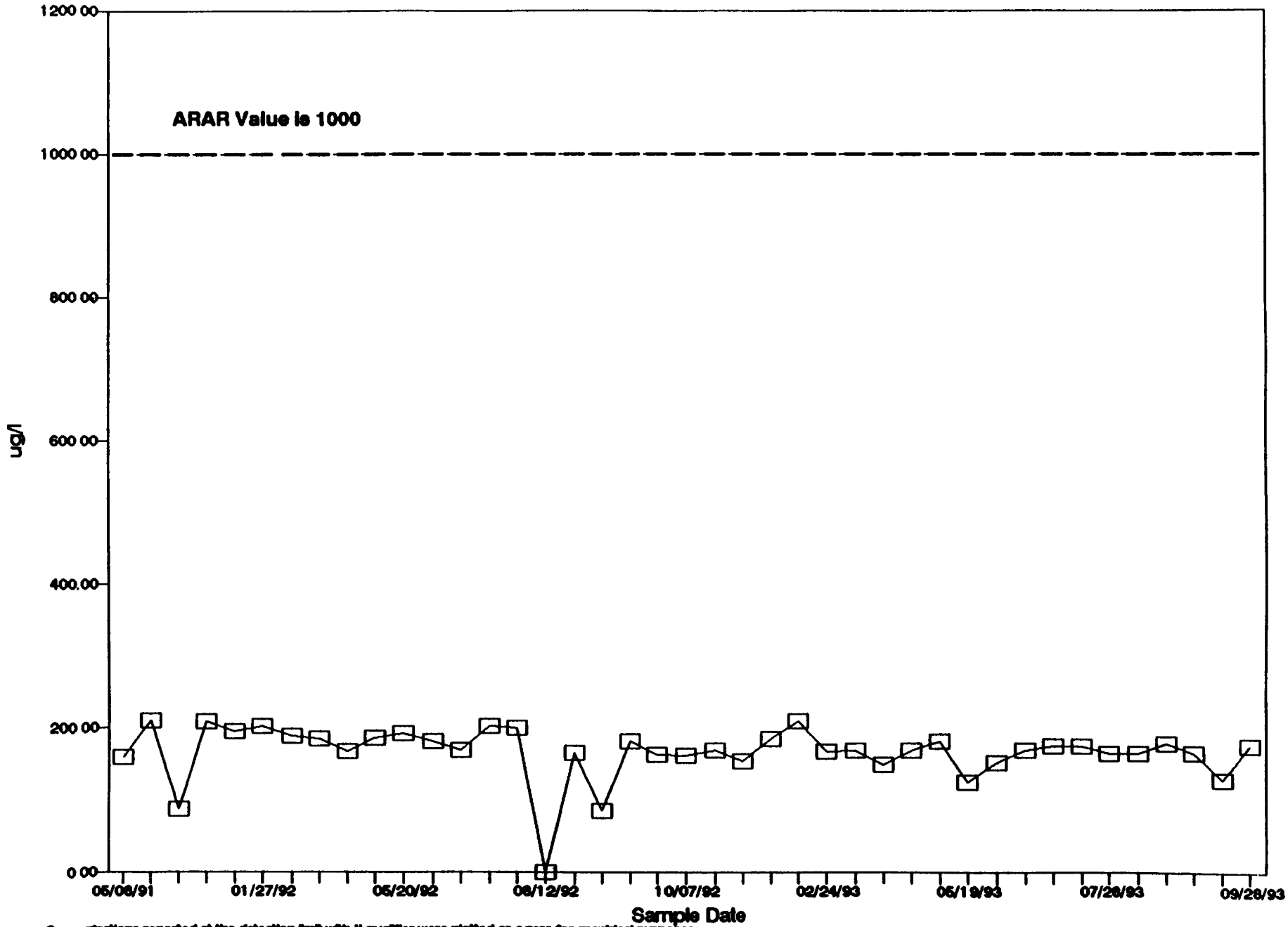
Concentrations reported at the detection limit with U qualifier were plotted as a zero for graphical purposes

Surface Water Station SW059
Total Arsenic Concentrations



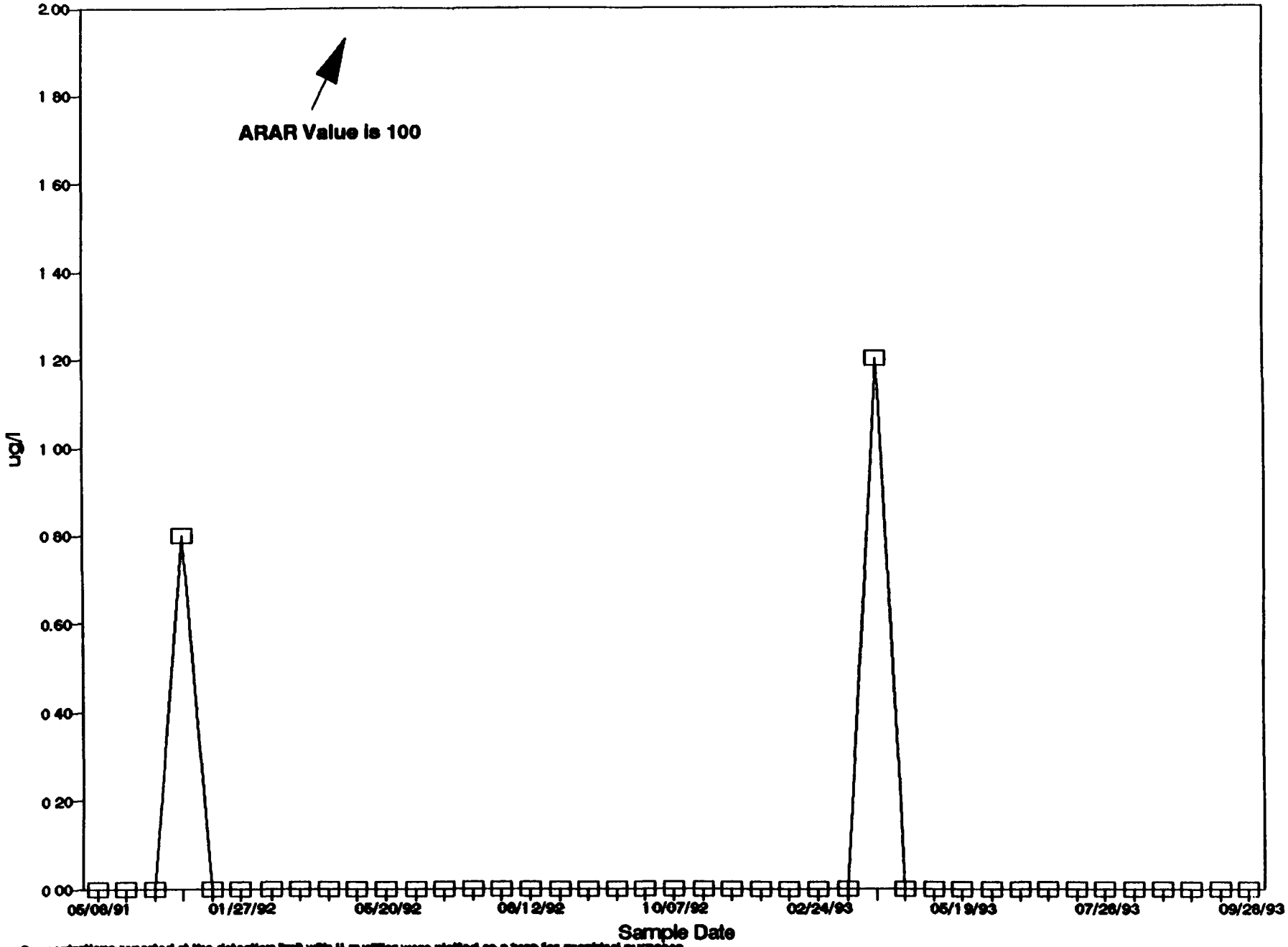
Concentrations reported at the detection limit with U qualifier were plotted as a zero for graphical purposes

Surface Water Station SW059
Total Barium Concentrations



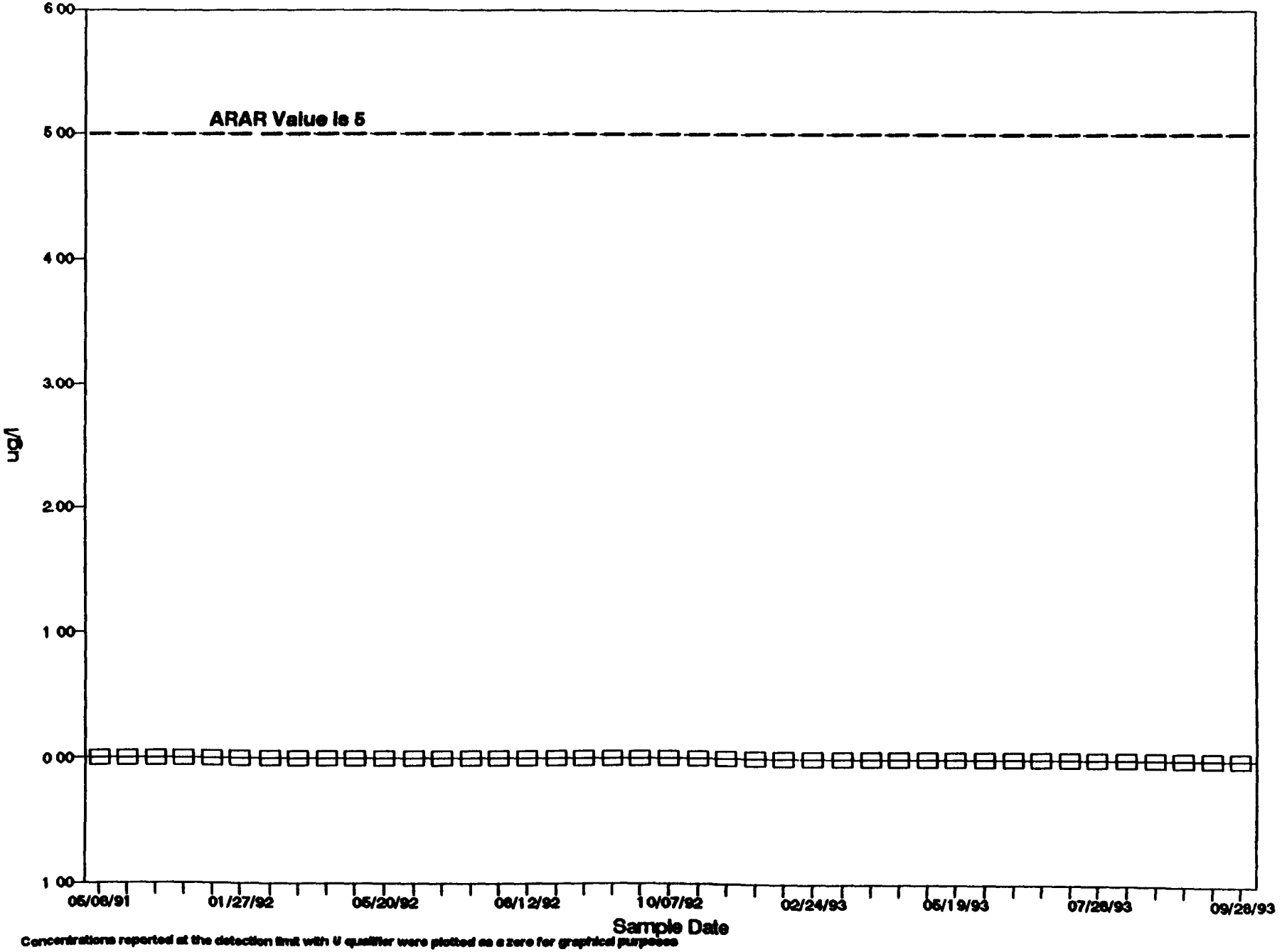
Concentrations reported at the detection limit with U qualifier were plotted as a zero for graphical purposes

Surface Water Station SW059
Total Beryllium Concentrations



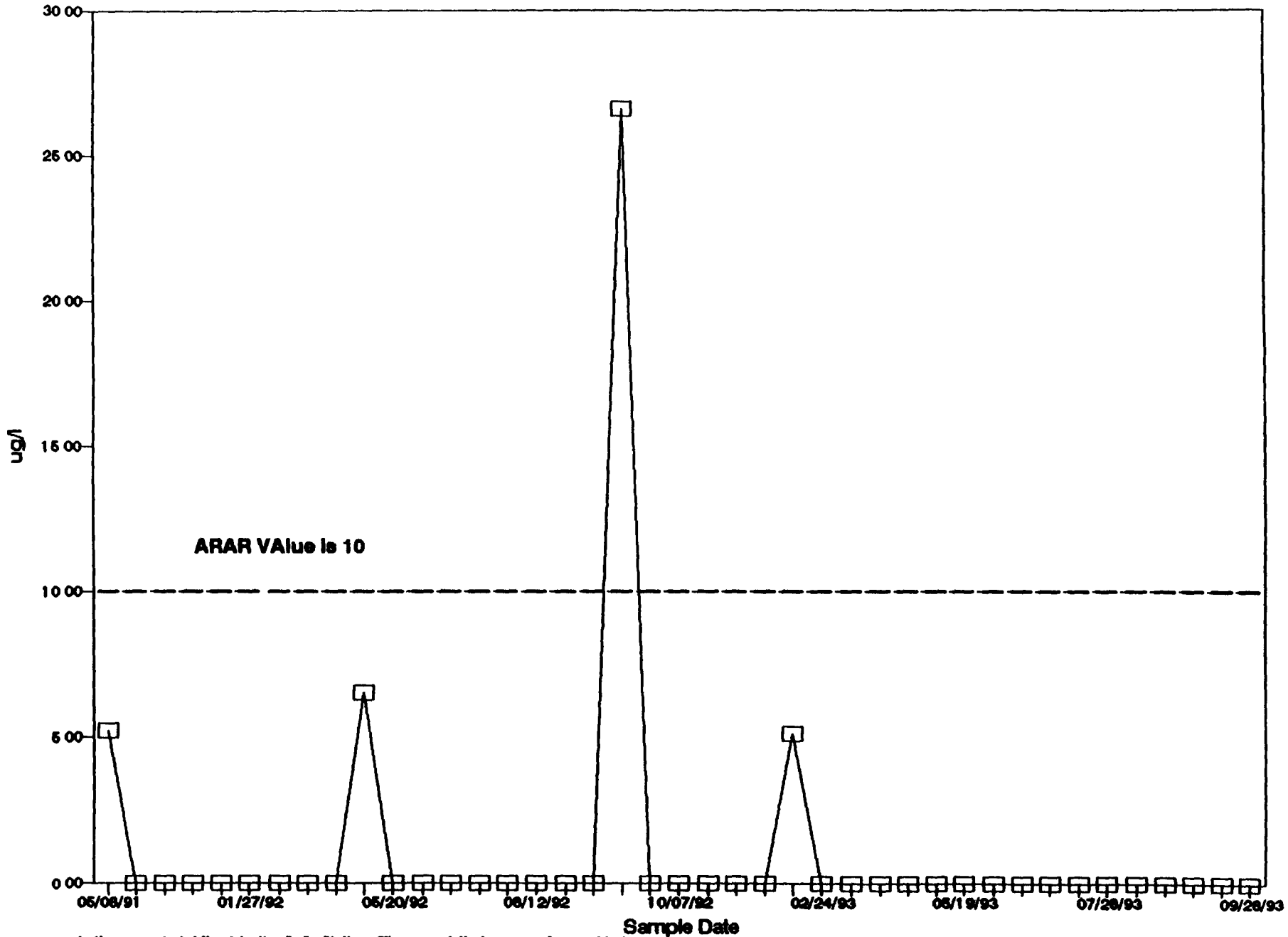
Concentrations reported at the detection limit with U qualifier were plotted as a zero for graphical purposes

Surface Water Station SW059
Total Cadmium Concentrations



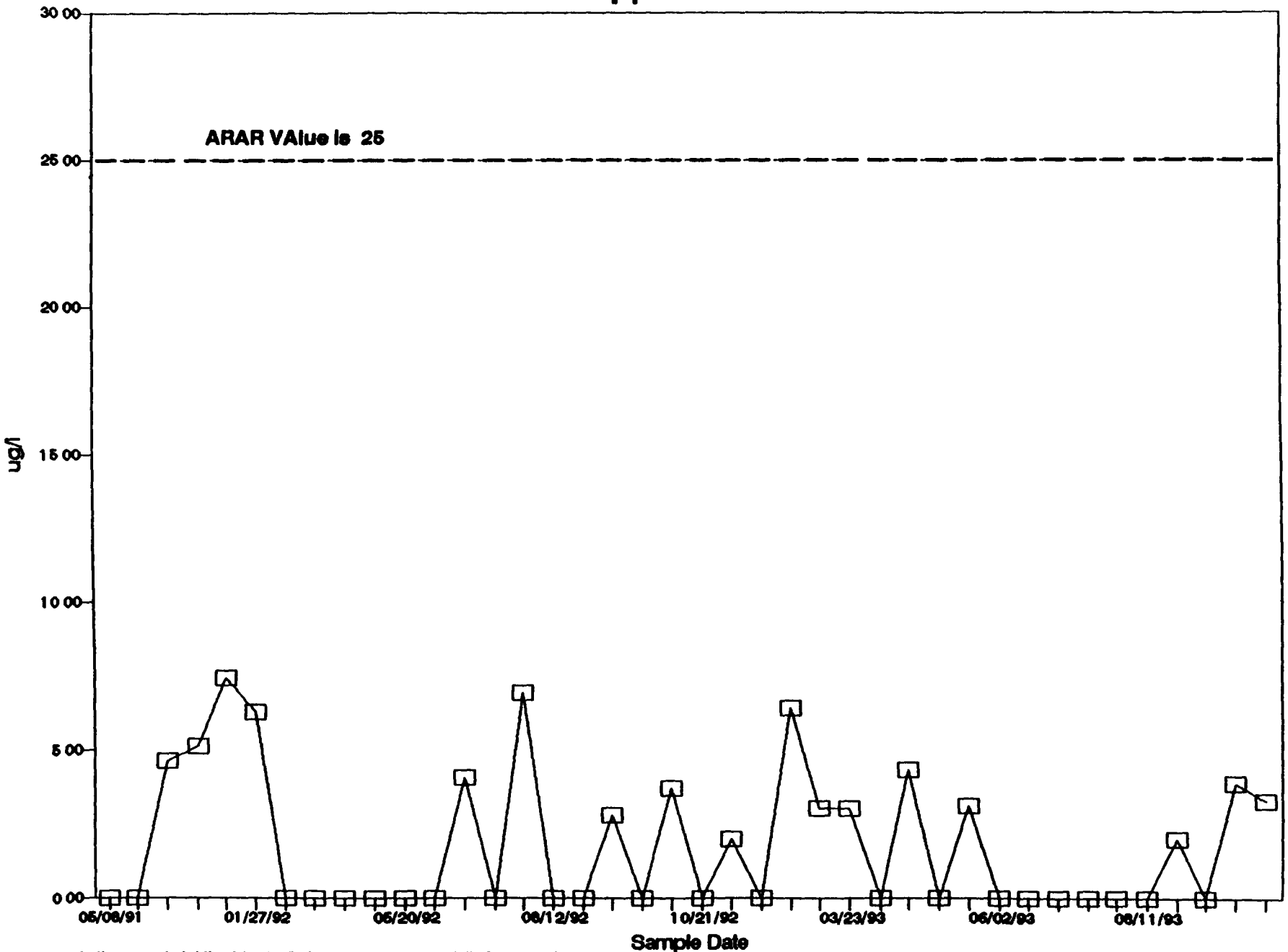
Concentrations reported at the detection limit with U qualifier were plotted as a zero for graphical purposes

Surface Water Station SW059
Total Chromium Concentrations



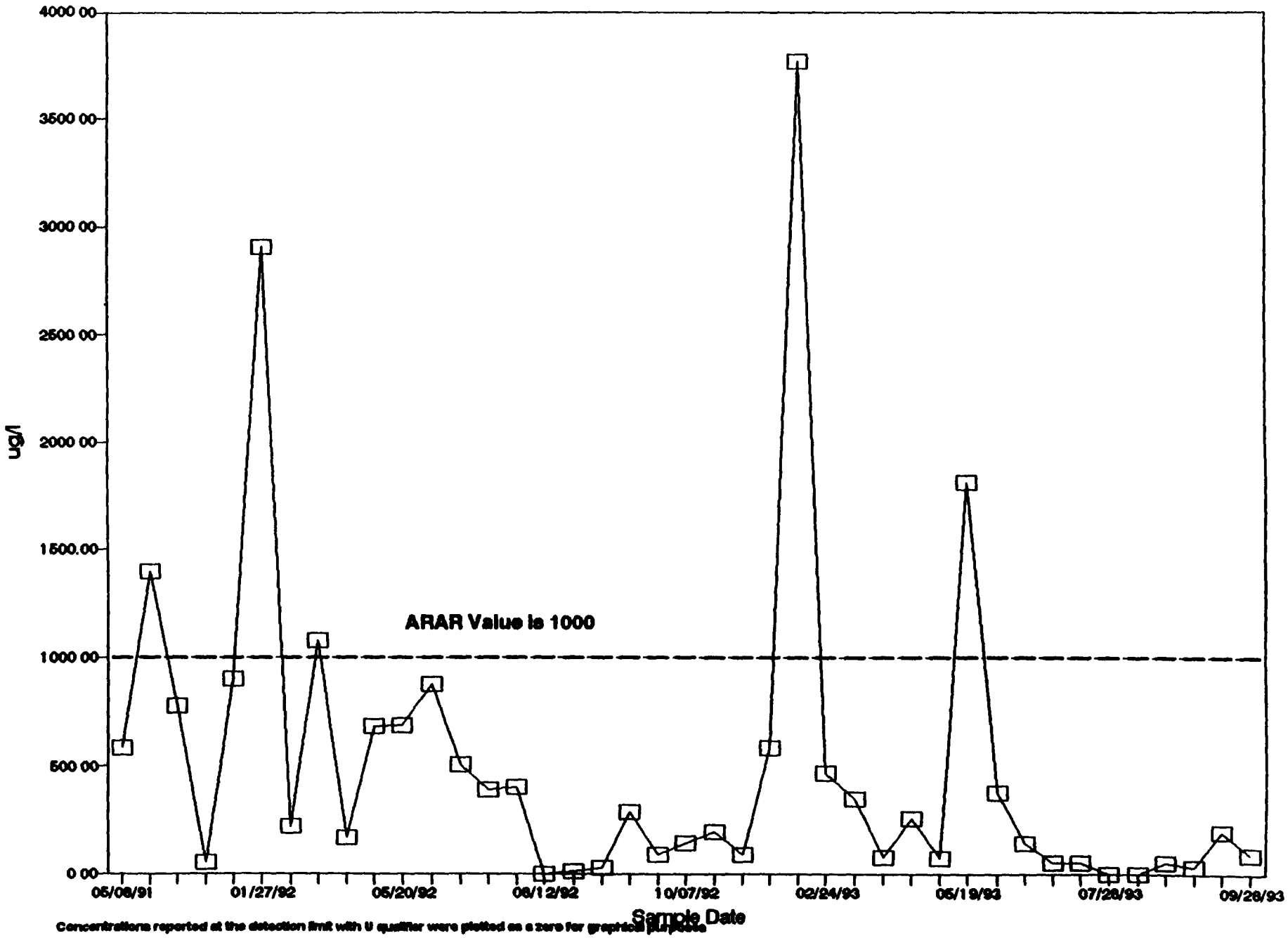
Concentrations reported at the detection limit with U qualifier were plotted as a zero for graphical purposes

Surface Water Station SW059
Total Copper Concentrations



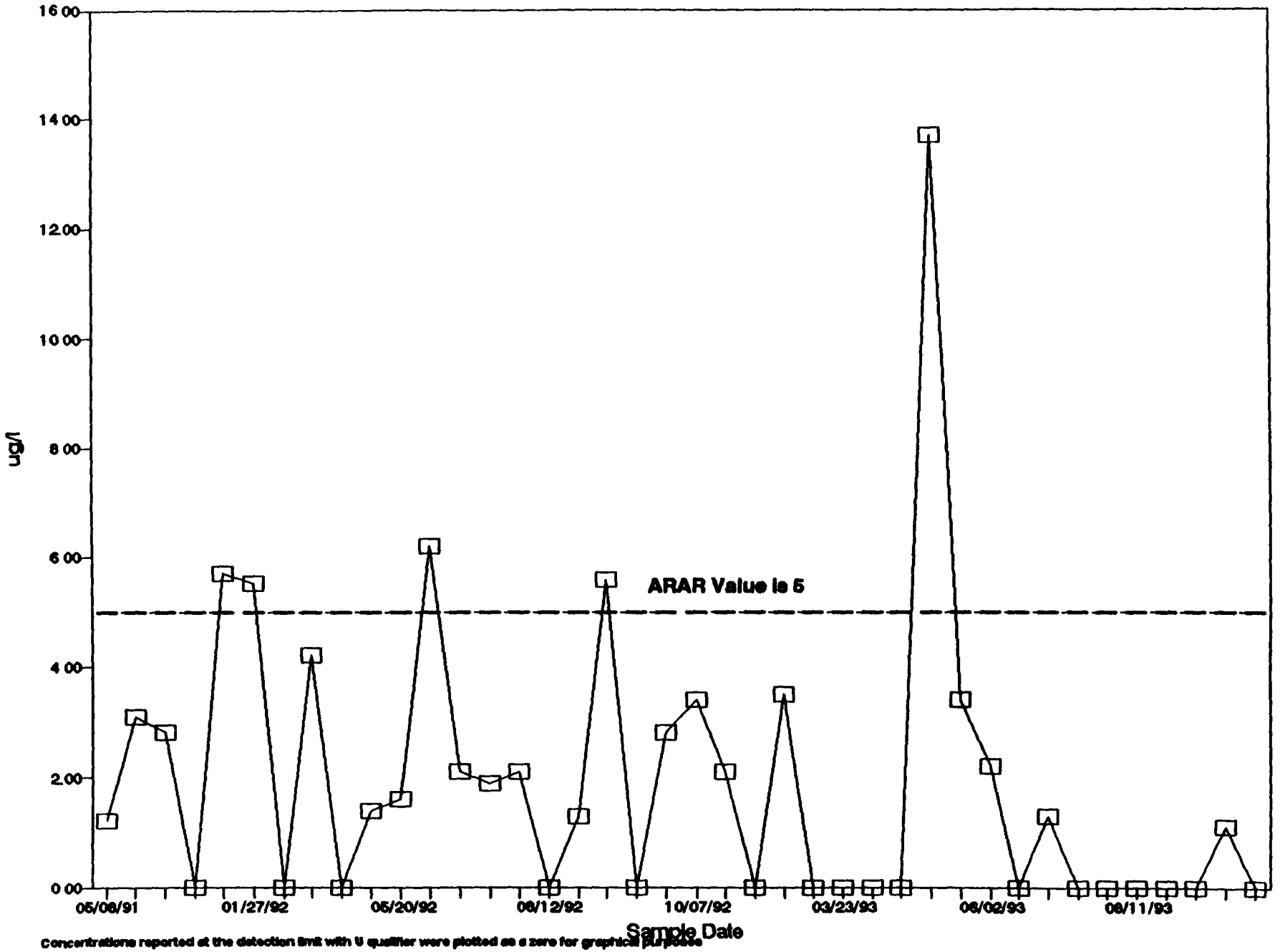
Concentrations reported at the detection limit with U qualifier were plotted as a zero for graphical purposes

Surface Water Station SW059
Total Iron Concentrations



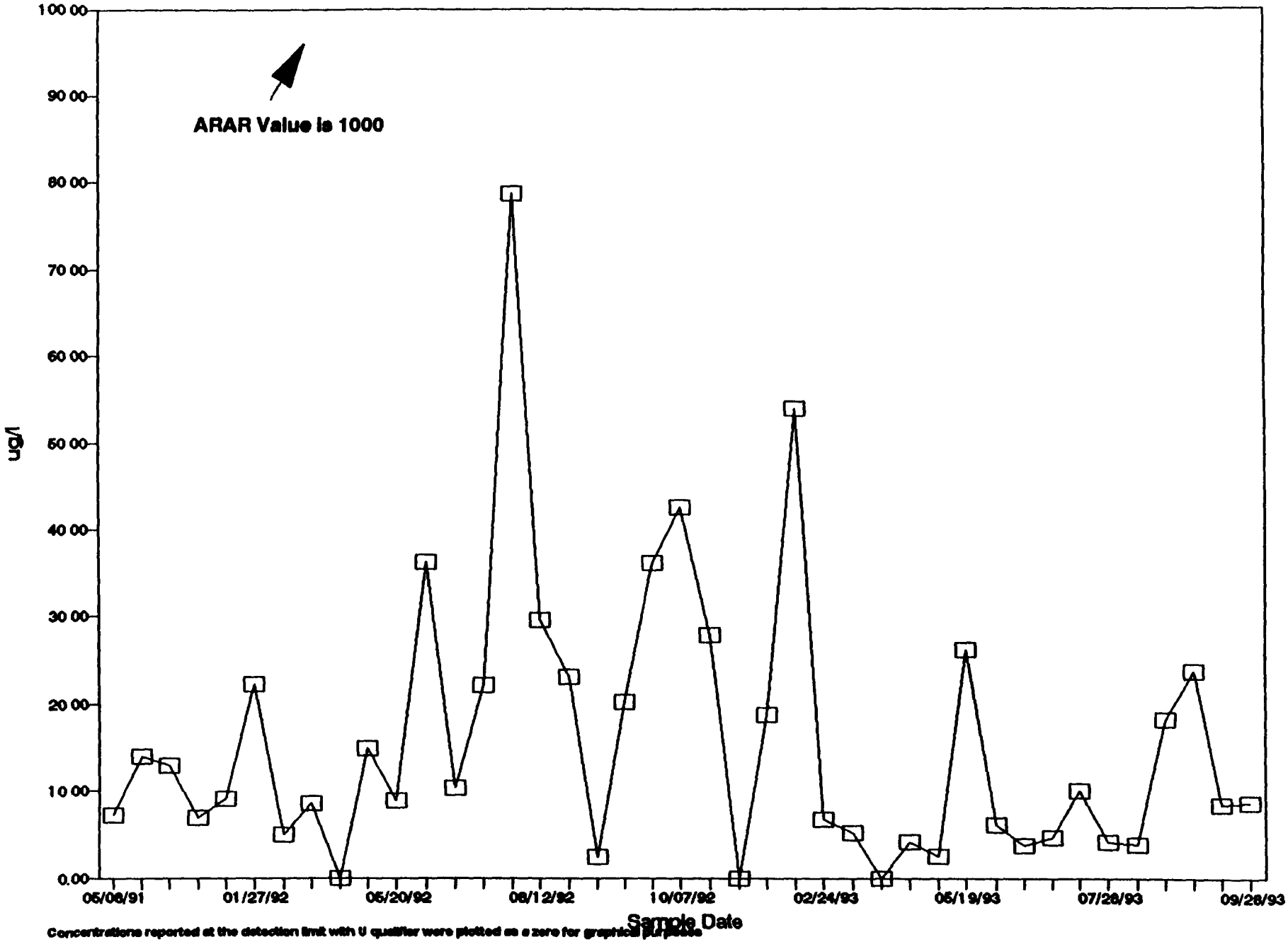
Concentrations reported at the detection limit with U qualifier were plotted as a zero for graphical purposes.

Surface Water Station SW059
Total Lead Concentrations



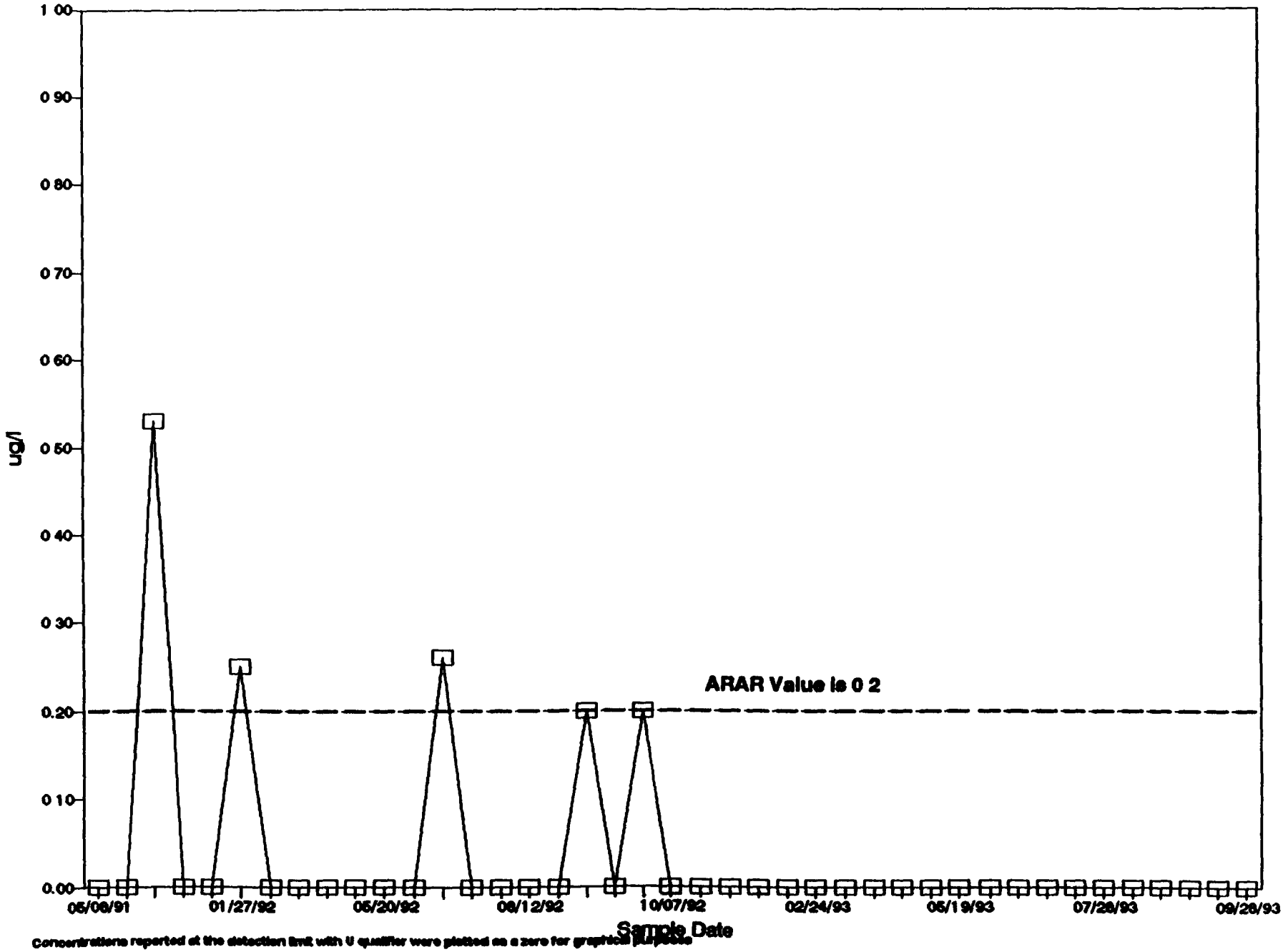
Concentrations reported at the detection limit with U qualifier were plotted as a zero for graphical purposes

Surface Water Station SW059
Total Manganese Concentrations



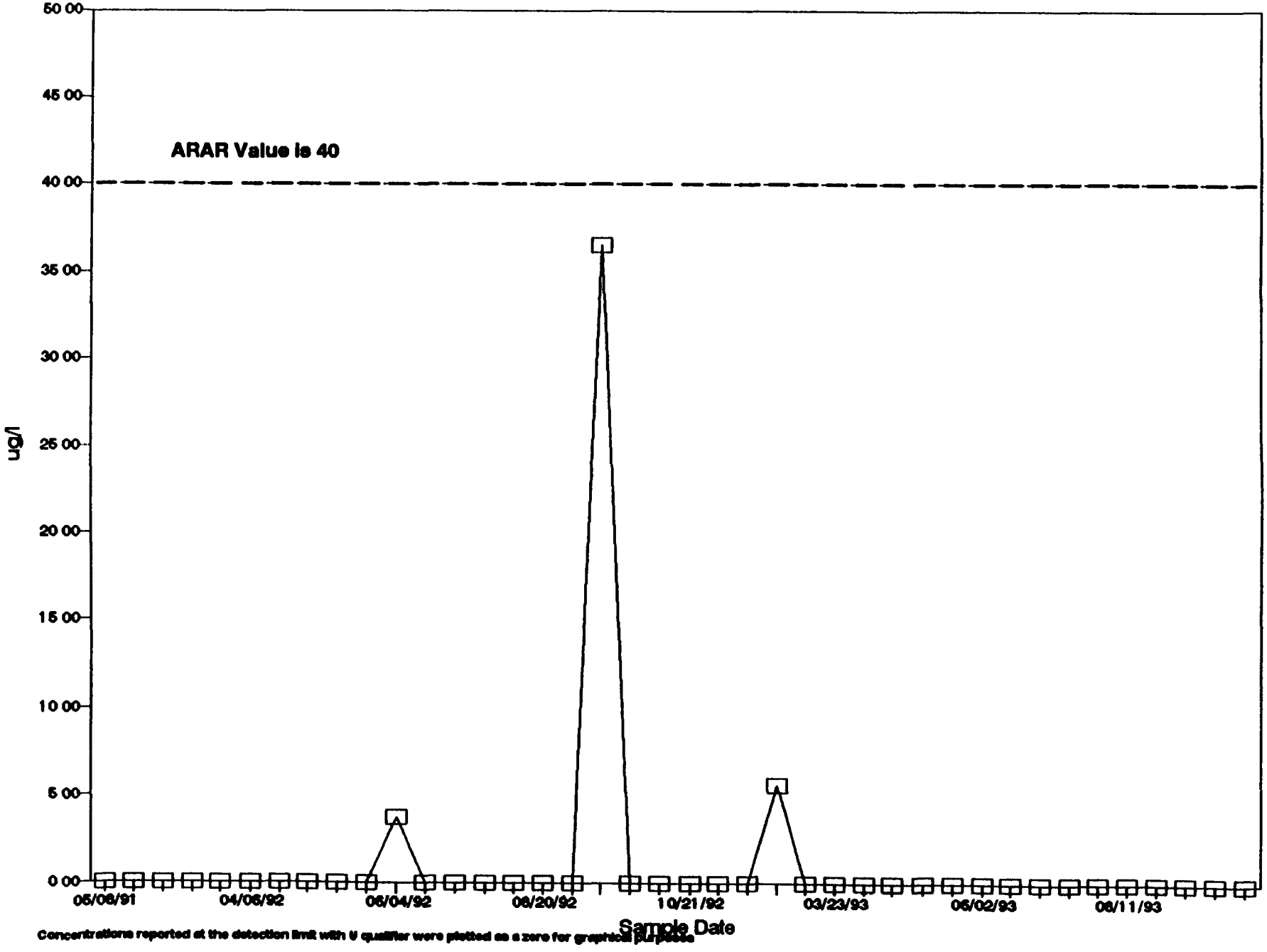
Concentrations reported at the detection limit with U qualifier were plotted as a zero for graphical purposes

Surface Water Station SW059
Total Mercury Concentrations



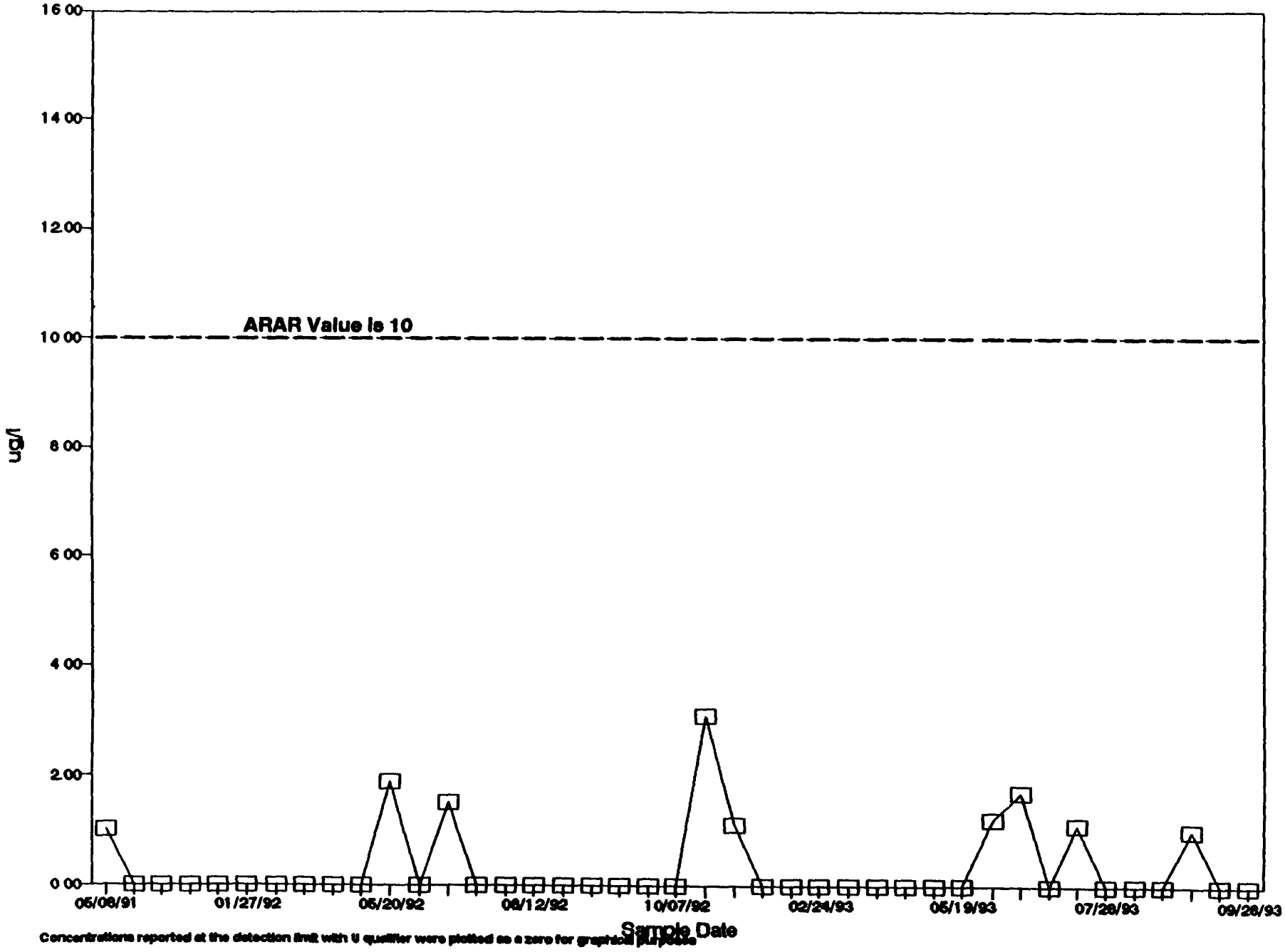
Concentrations reported at the detection limit with U qualifier were plotted as a zero for graphical purposes

Surface Water Station SW059
Total Nickel Concentrations



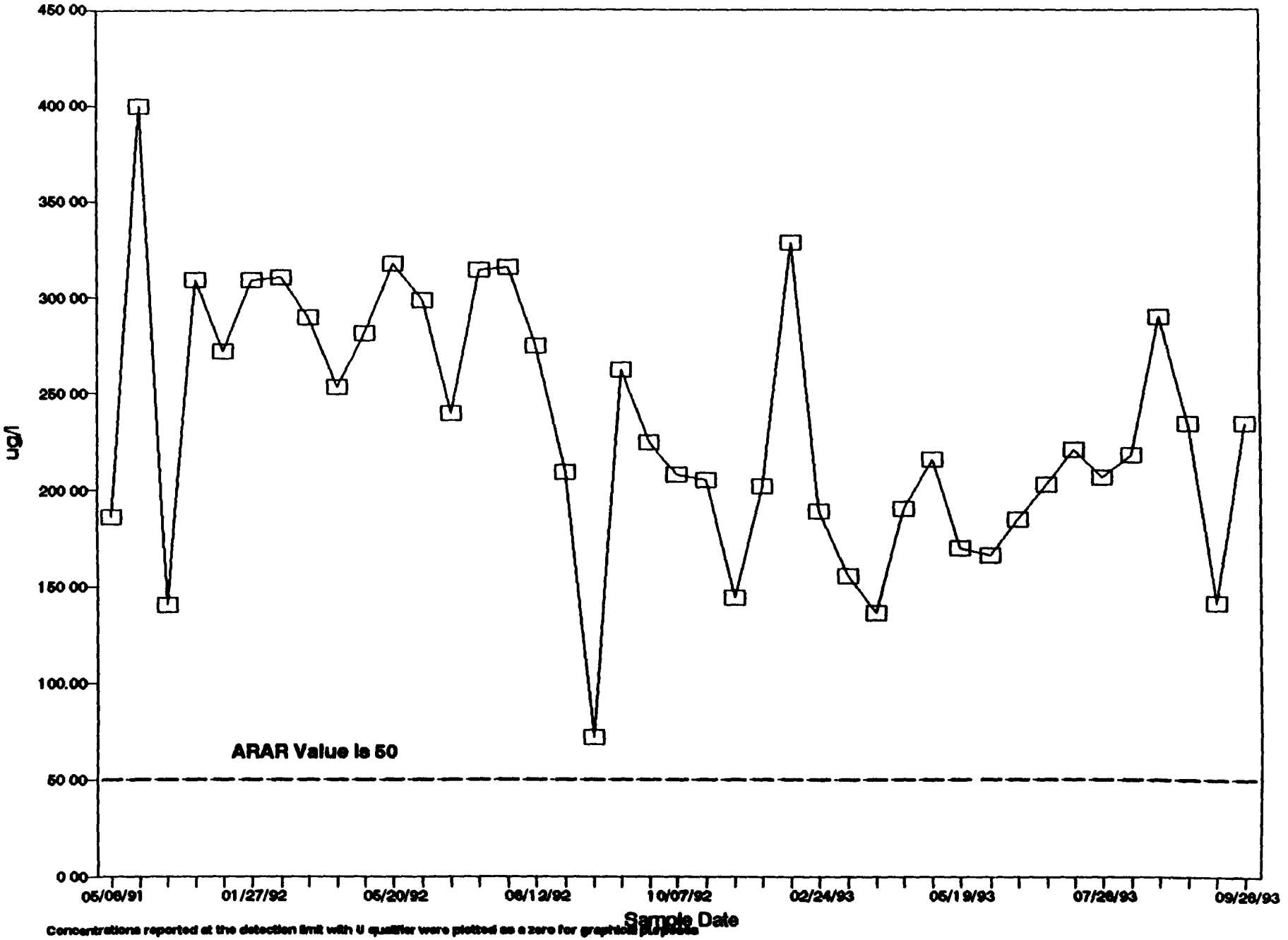
Concentrations reported at the detection limit with U qualifier were plotted as a zero for graphical purposes.

Surface Water Station SW059
Total Selenium Concentrations



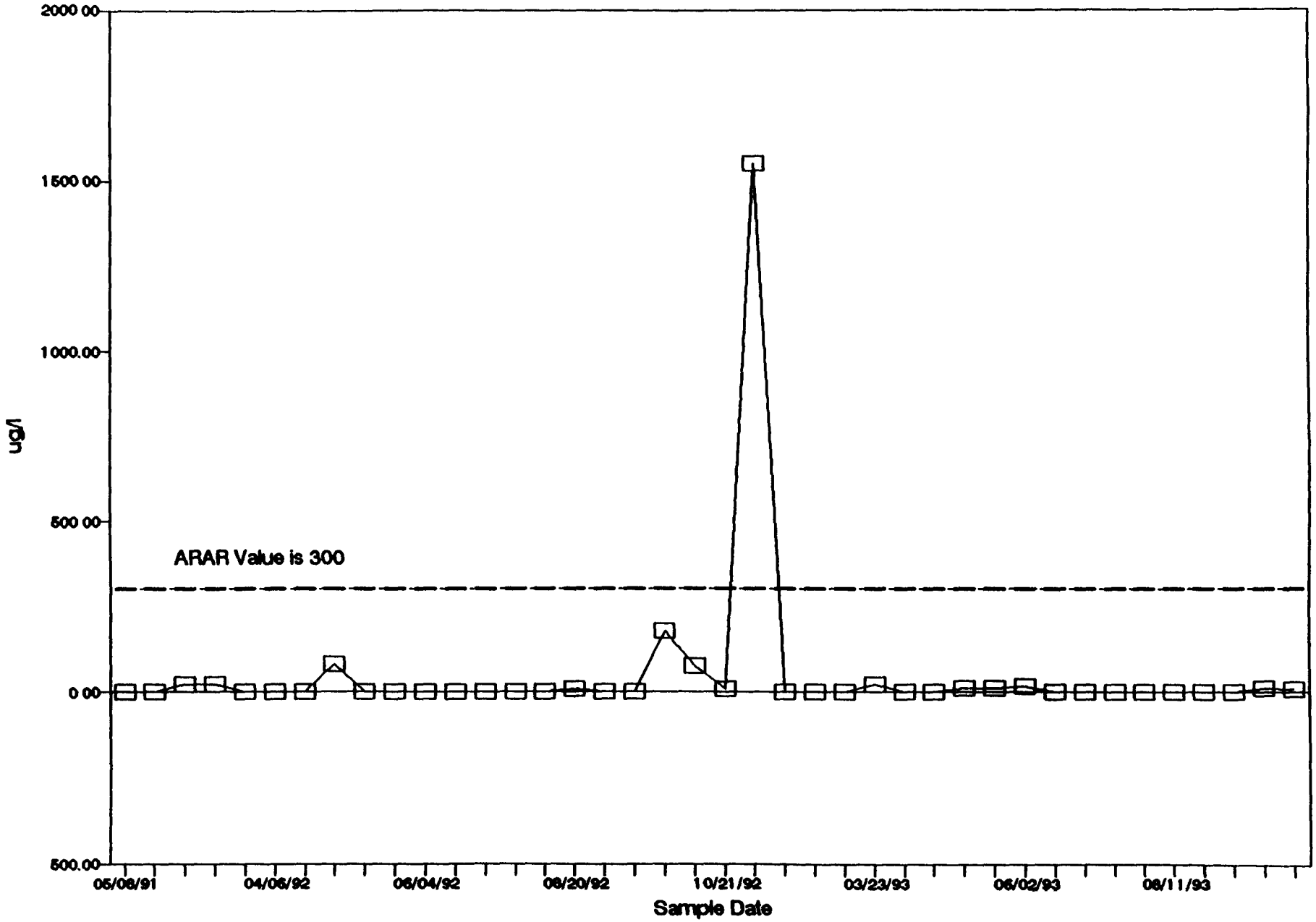
Concentrations reported at the detection limit with U qualifier were plotted as a zero for graphical purposes

Surface Water Station SW059
Total Zinc Concentrations



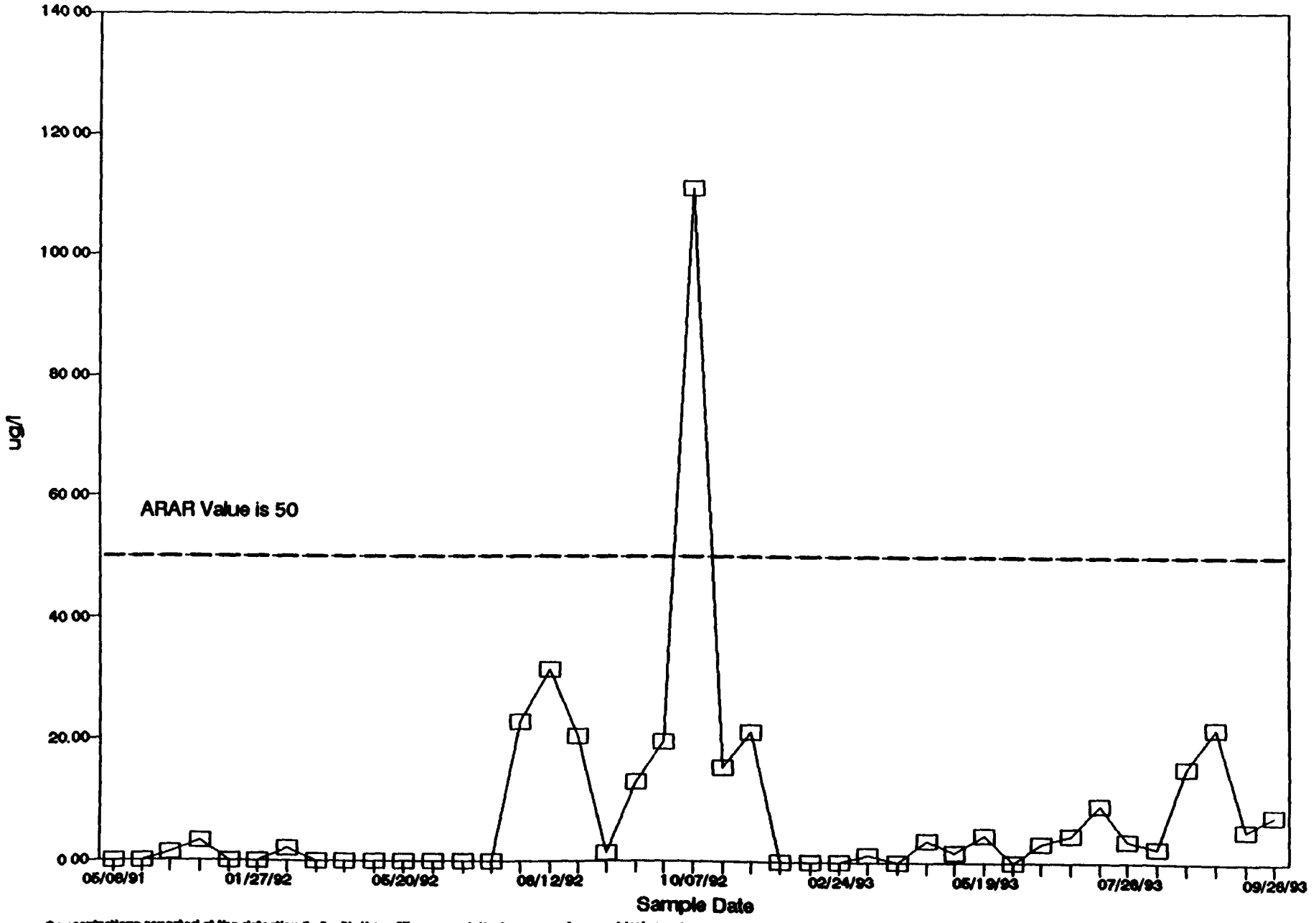
Concentrations reported at the detection limit with U qualifier were plotted as a zero for graphical purposes

Surface Water Station SW059
Filtered Iron Concentrations



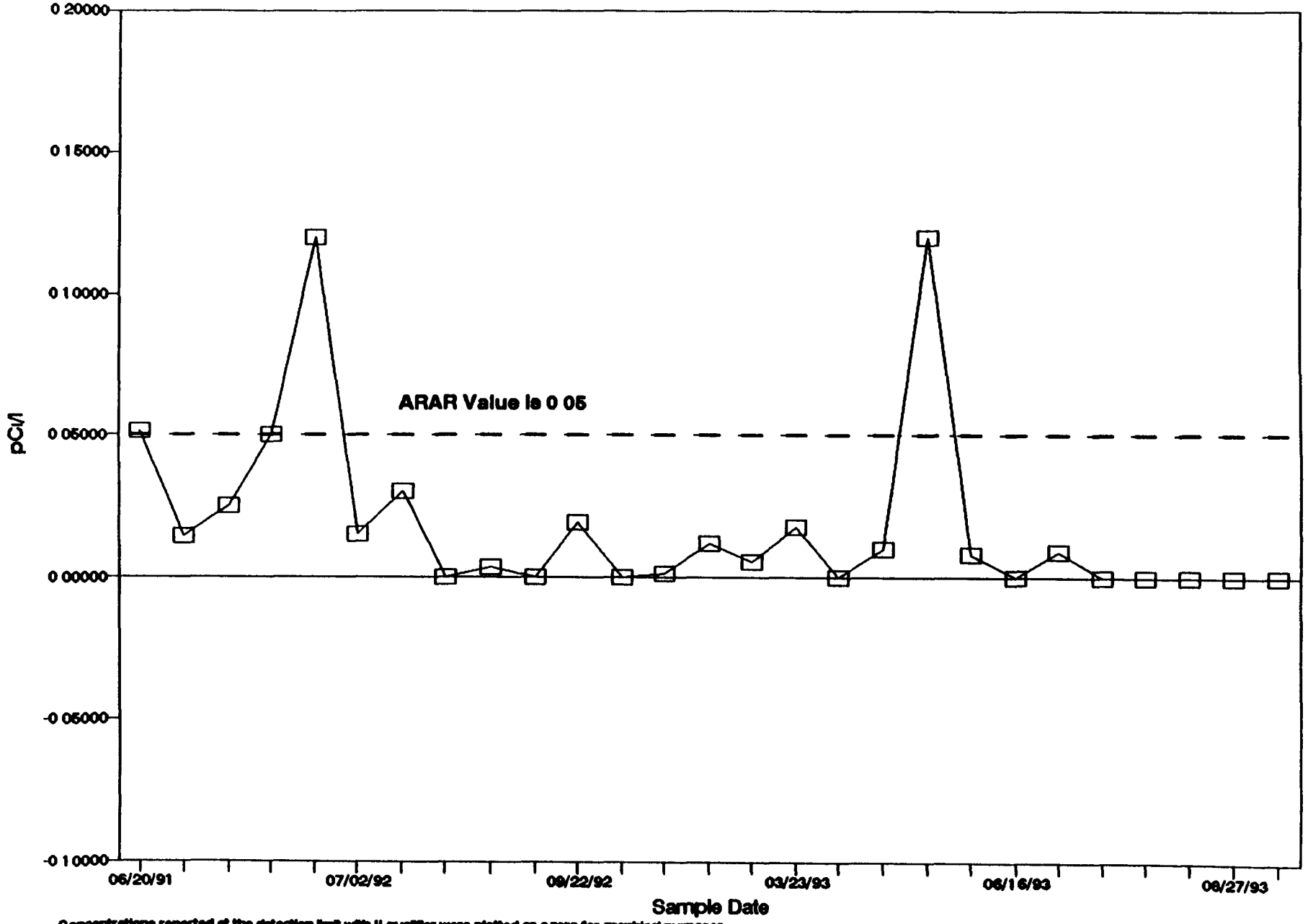
Concentrations reported at the detection limit with U qualifier were plotted as a zero for graphical purposes

Surface Water Station SW059
Filtered Manganese Concentrations



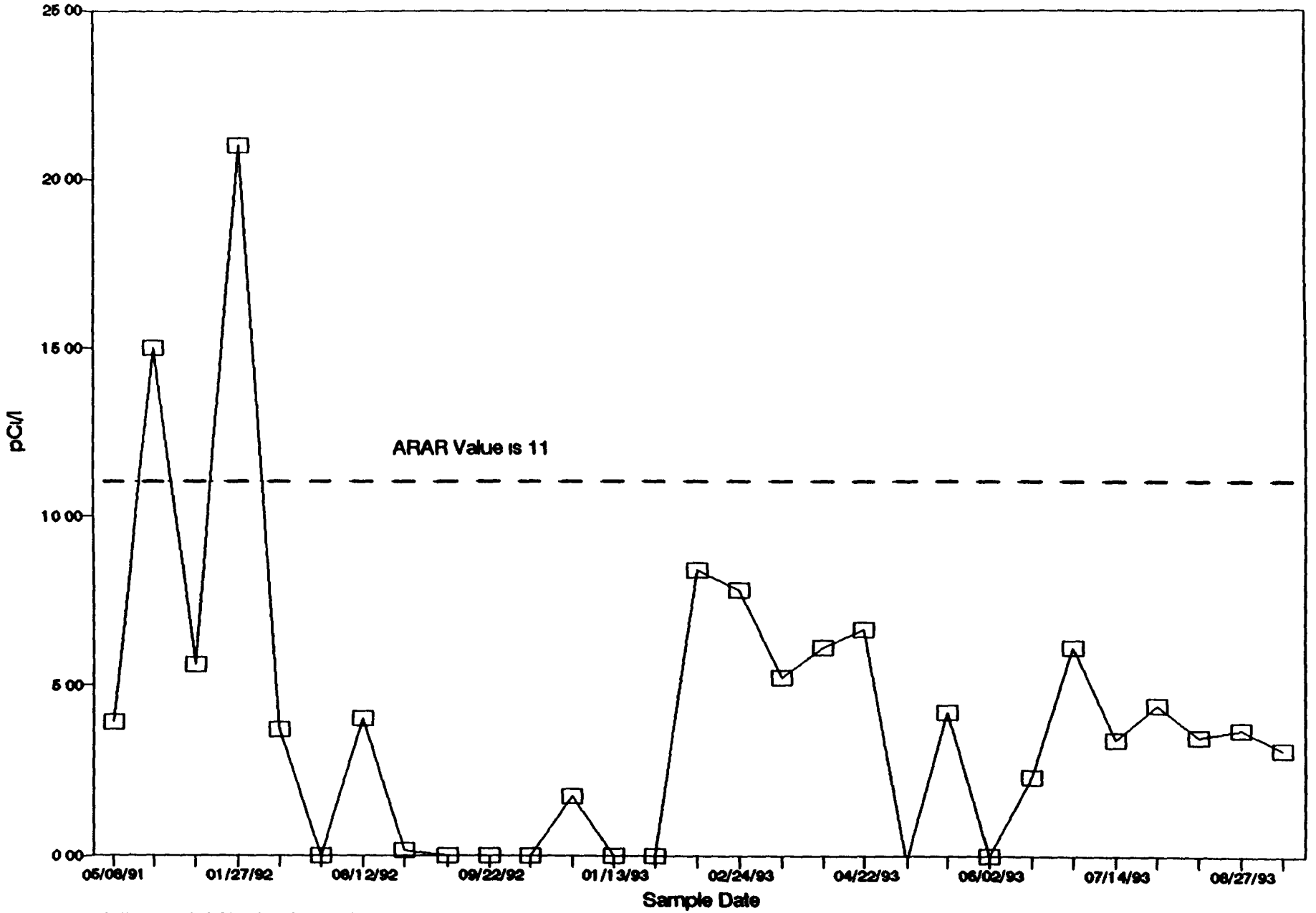
Concentrations reported at the detection limit with U qualifier were plotted as a zero for graphical purposes

Surface Water Station SW059
Total Americium-241 Activities



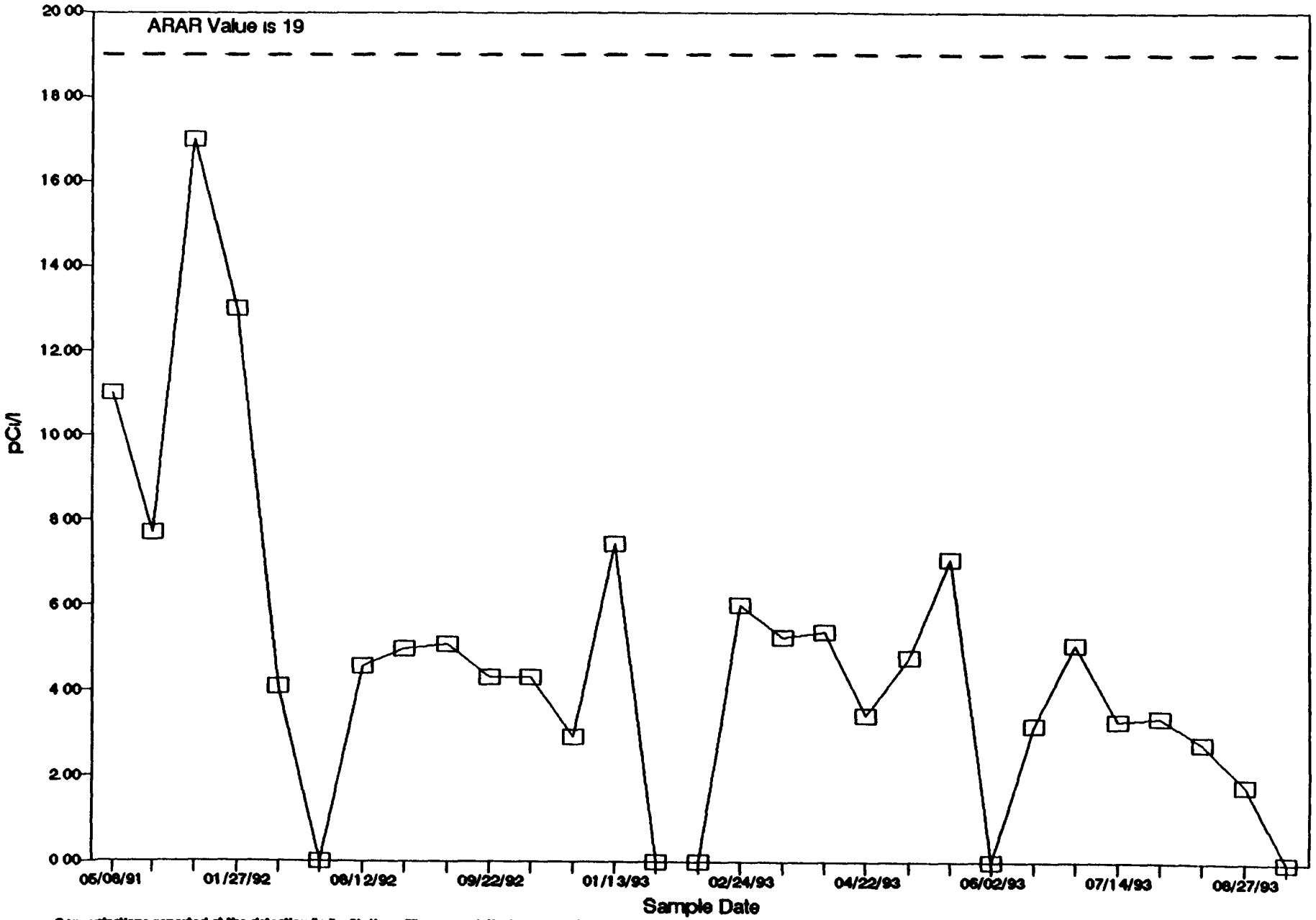
Concentrations reported at the detection limit with U qualifier were plotted as a zero for graphical purposes

Surface Water Station SW059
Gross Alpha Activities



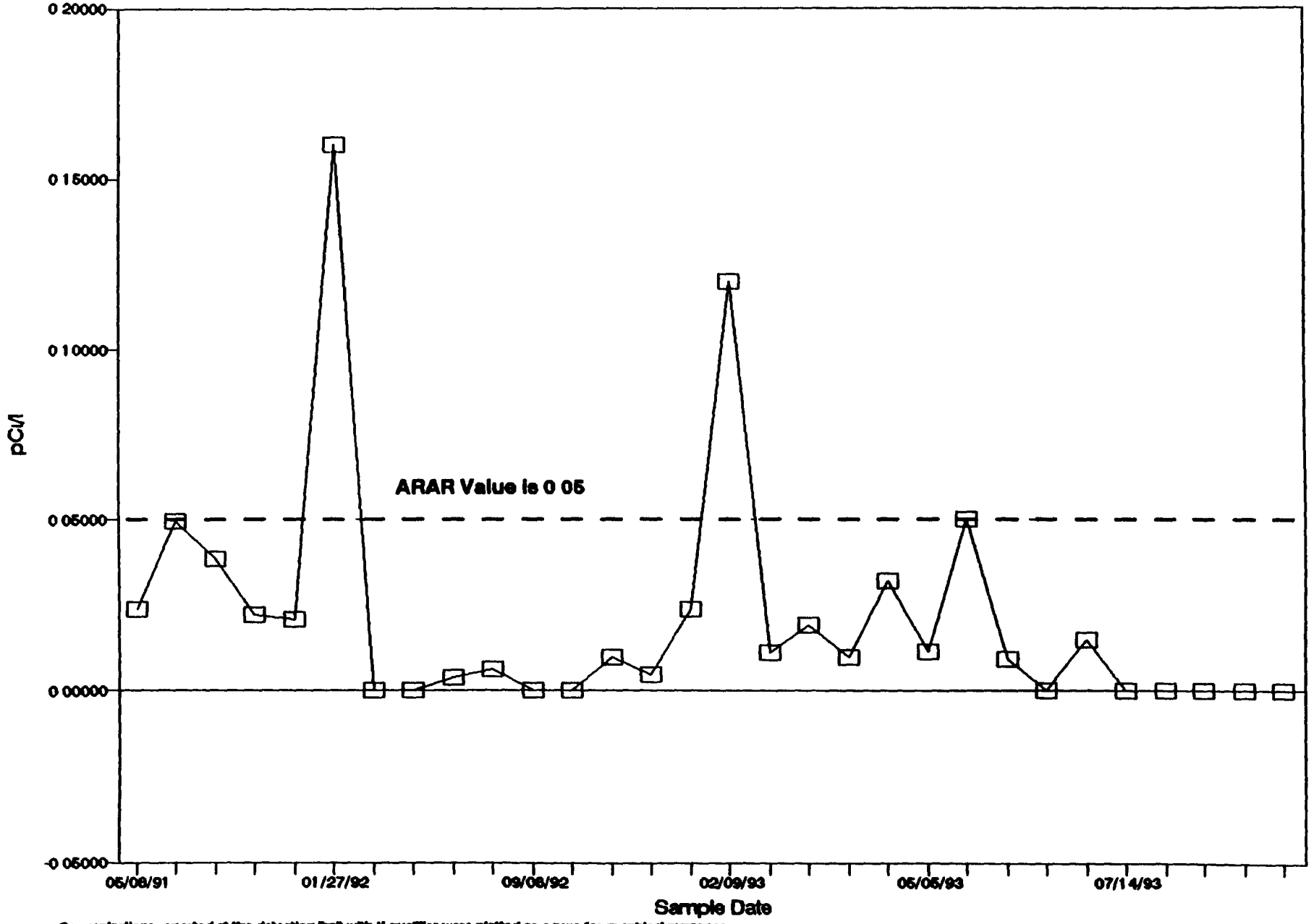
Concentrations reported at the detection limit with U qualifier were plotted as a zero for graphical purposes

Surface Water Station SW059
Gross Beta Activities



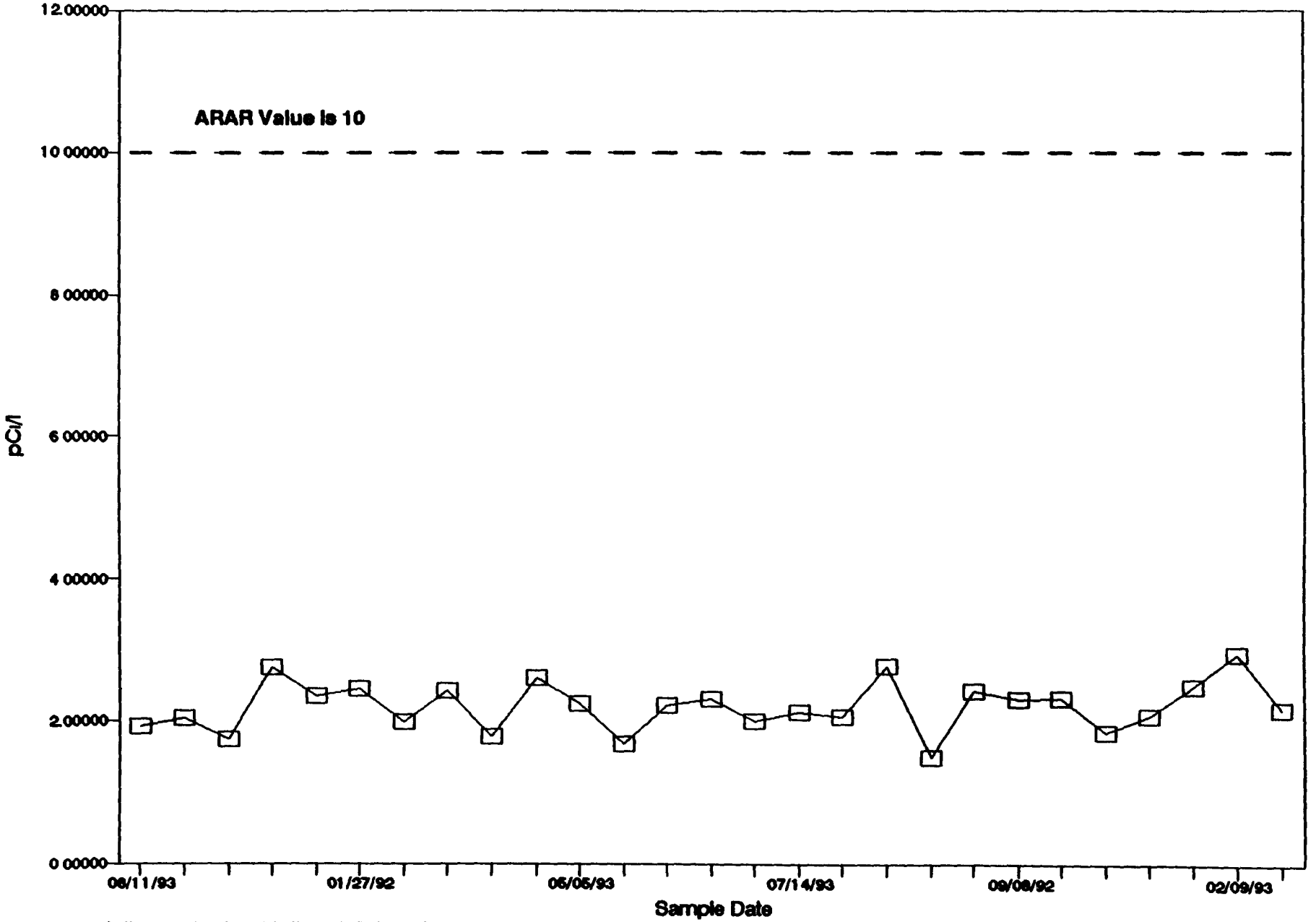
Concentrations reported at the detection limit with U qualifier were plotted as a zero for graphical purposes

Surface Water Station SW059
Total Plutonium-239,-240 Activities



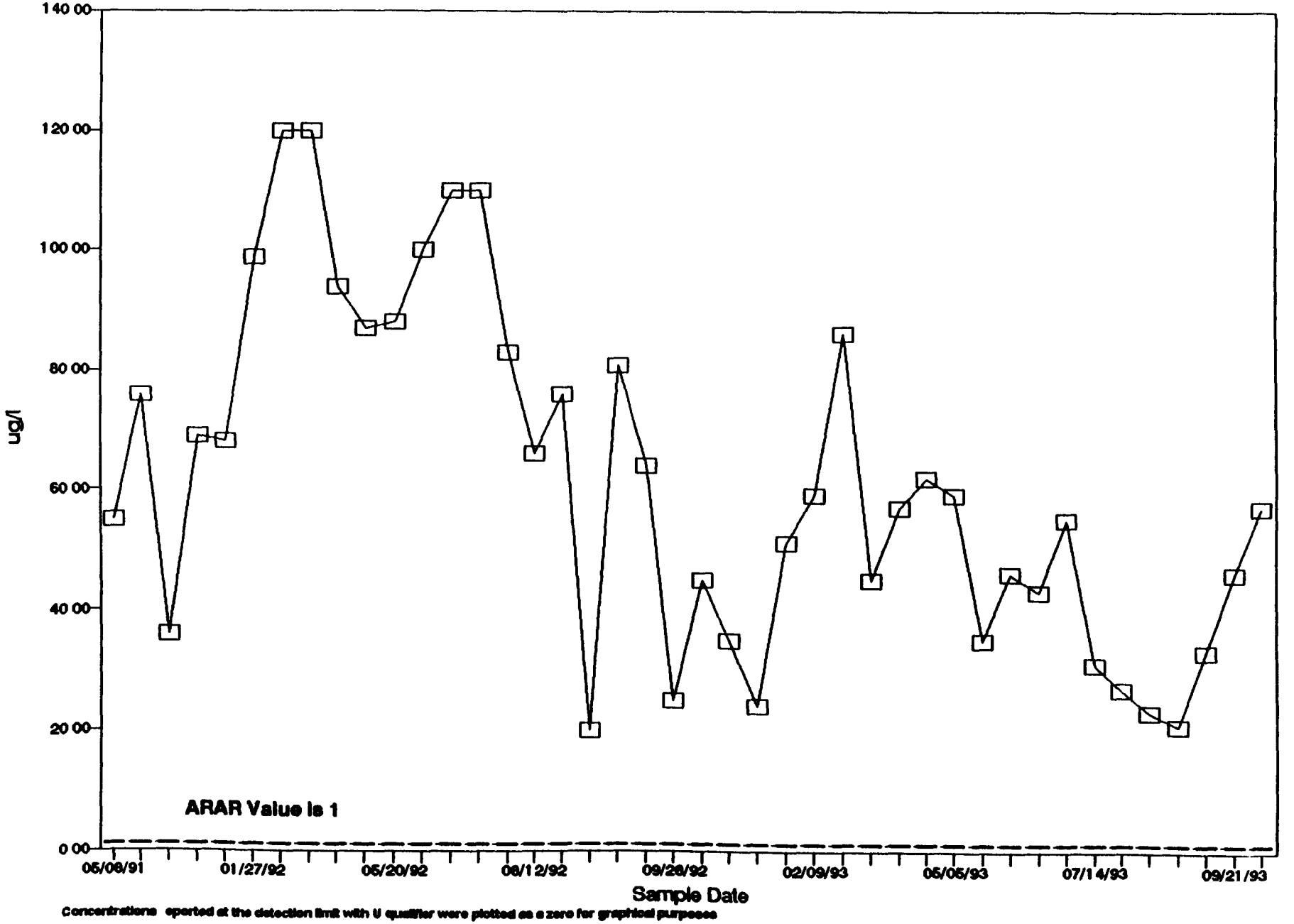
Concentrations eported at the detection limit with U qualifier were plotted as a zero for graphical purposes

Surface Water Station SW059
Total Uranium (Total) Activities



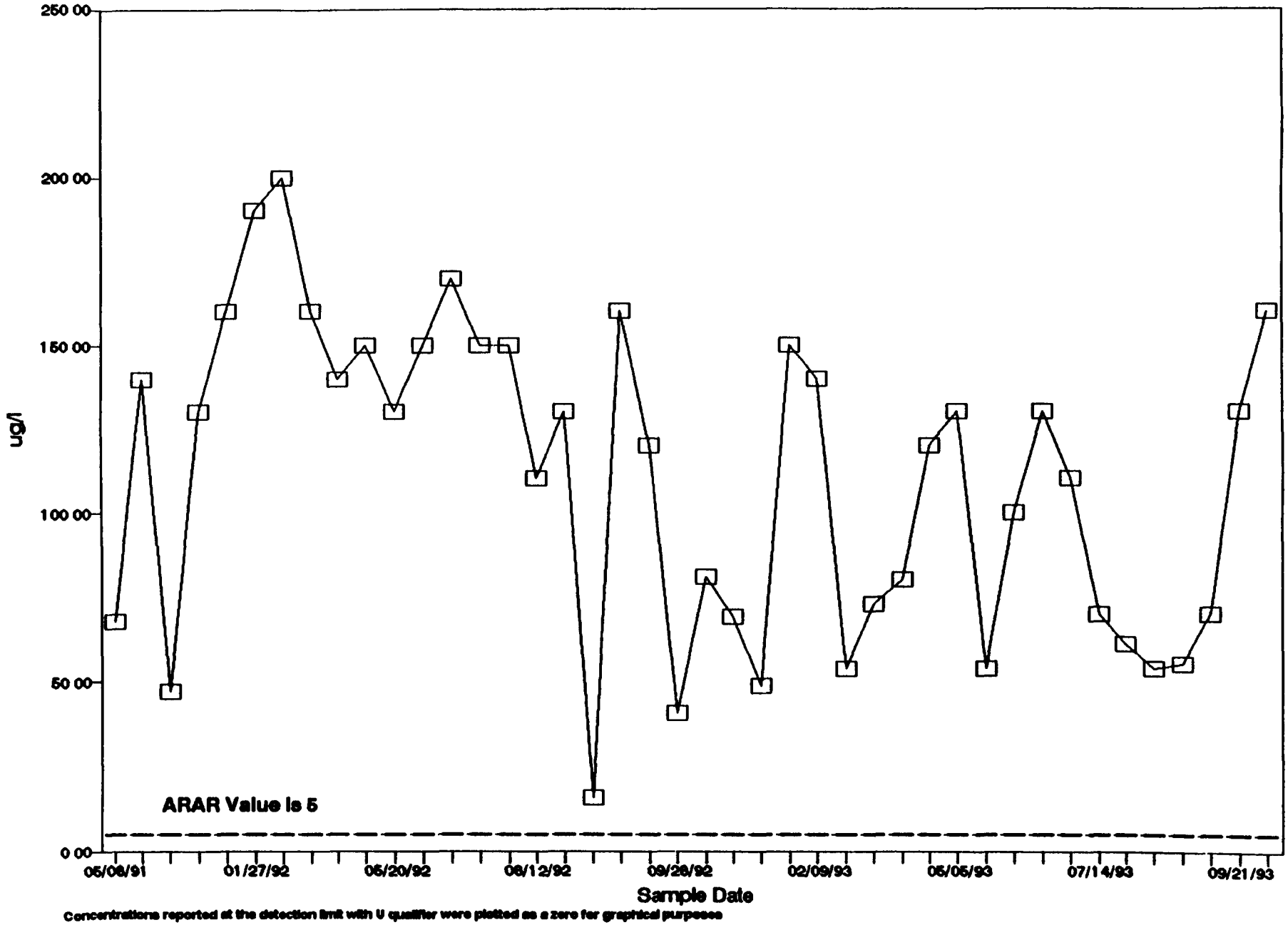
Concentrations reported at the detection limit with U qualifier were plotted as a zero for graphical purposes

Surface Water Station SW059
Tetrachloroethene Concentrations



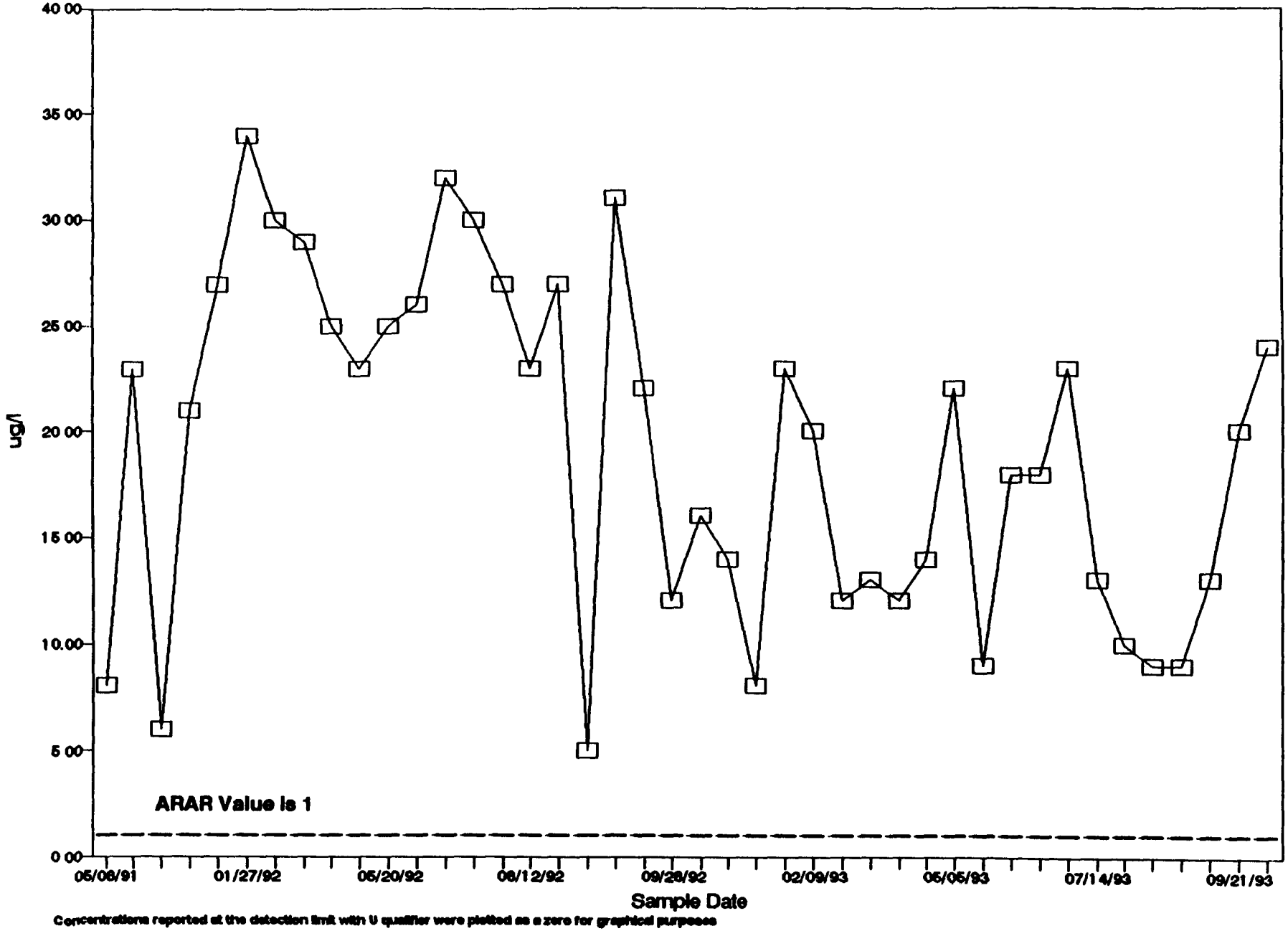
Concentrations eported at the detection limit with U qualifier were plotted as a zero for graphical purposes

Surface Water Station SW059
Carbon Tetrachloride Concentrations



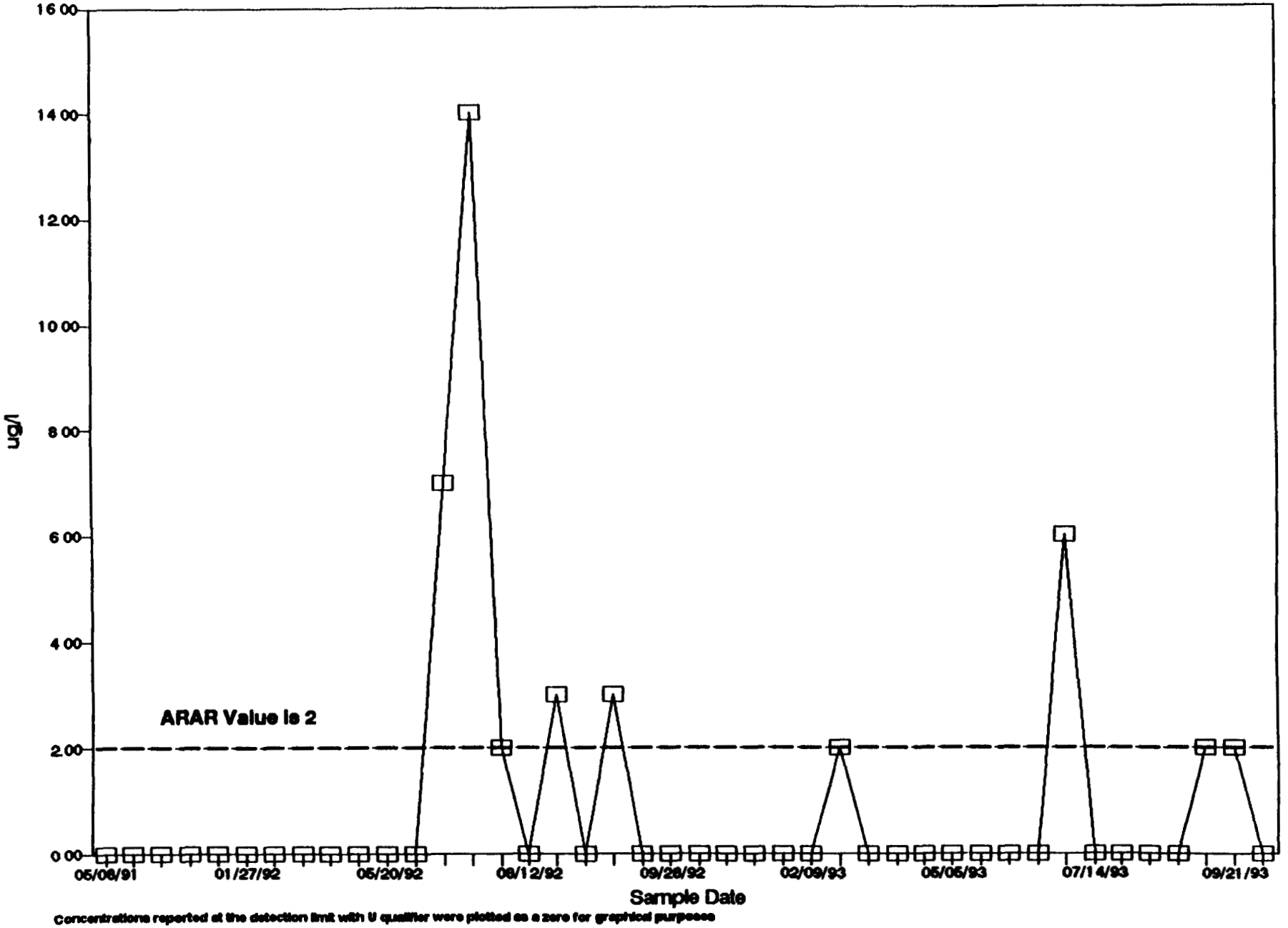
Concentrations reported at the detection limit with U qualifier were plotted as a zero for graphical purposes

Surface Water Station SW059
Chloroform Concentrations



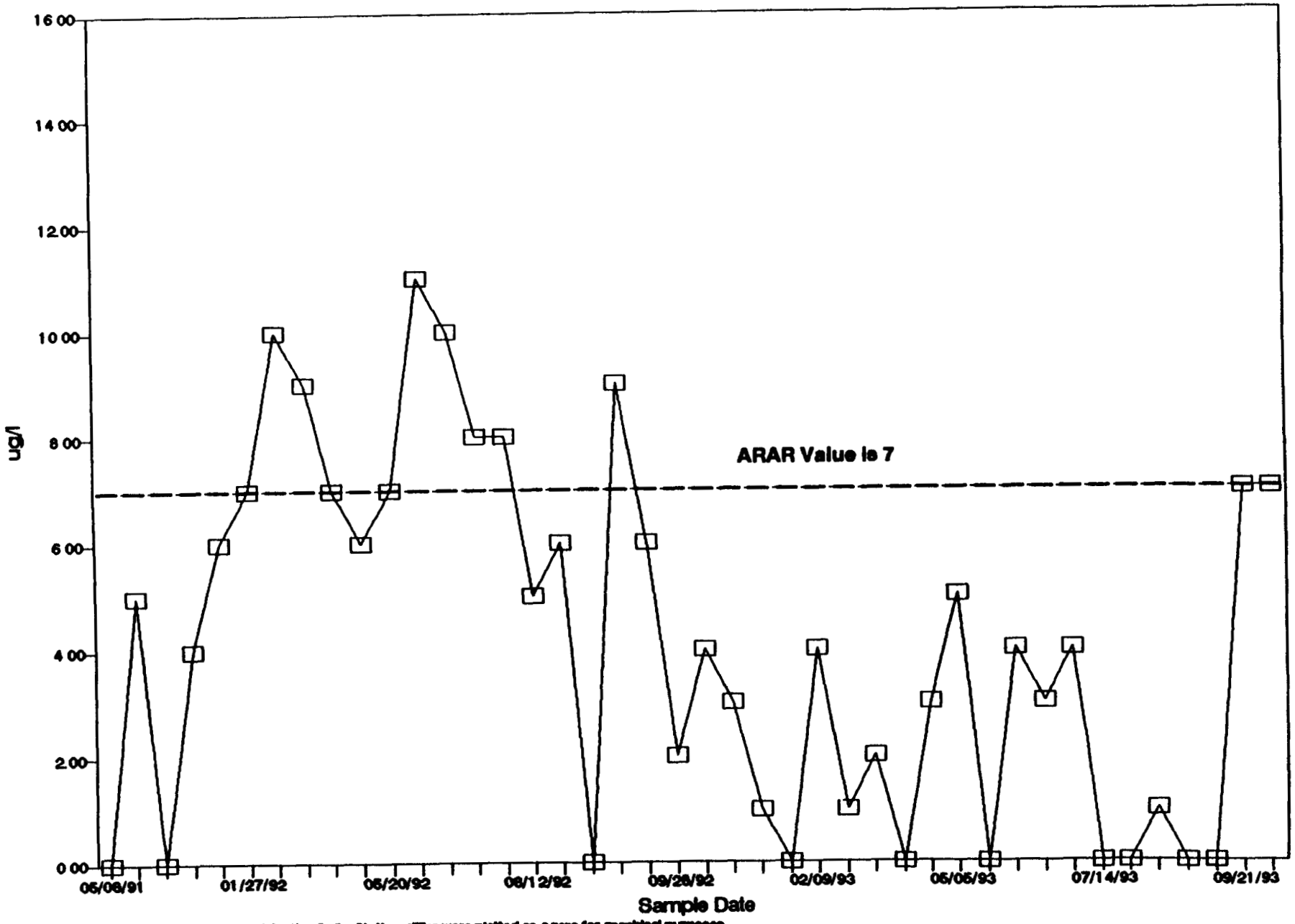
Concentrations reported at the detection limit with U qualifier were plotted as a zero for graphical purposes

Surface Water Station SW059
Vinyl Chloride Concentrations



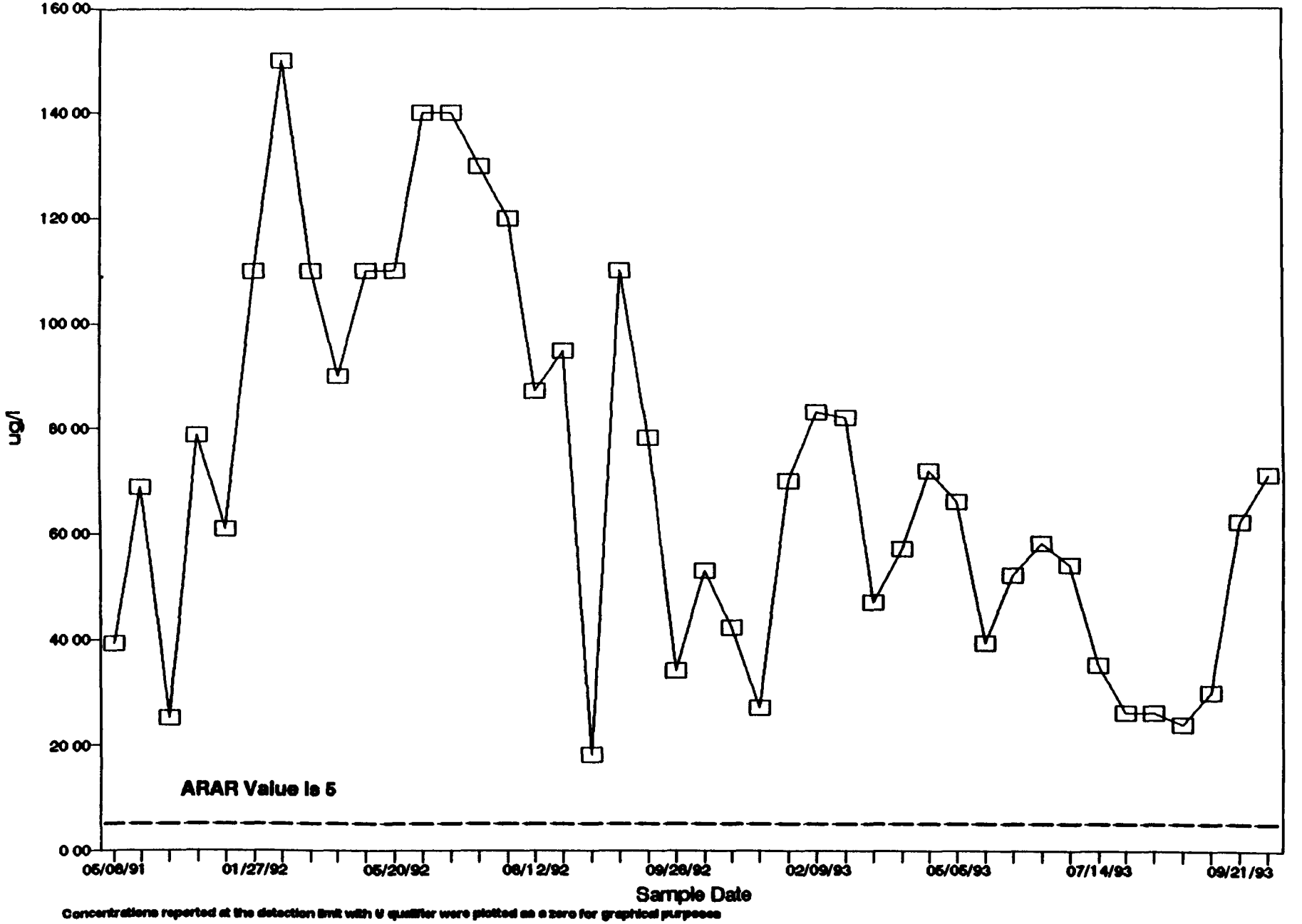
Concentrations reported at the detection limit with U qualifier were plotted as a zero for graphical purposes

Surface Water Station SW059
1,1-Dichloroethene Concentrations



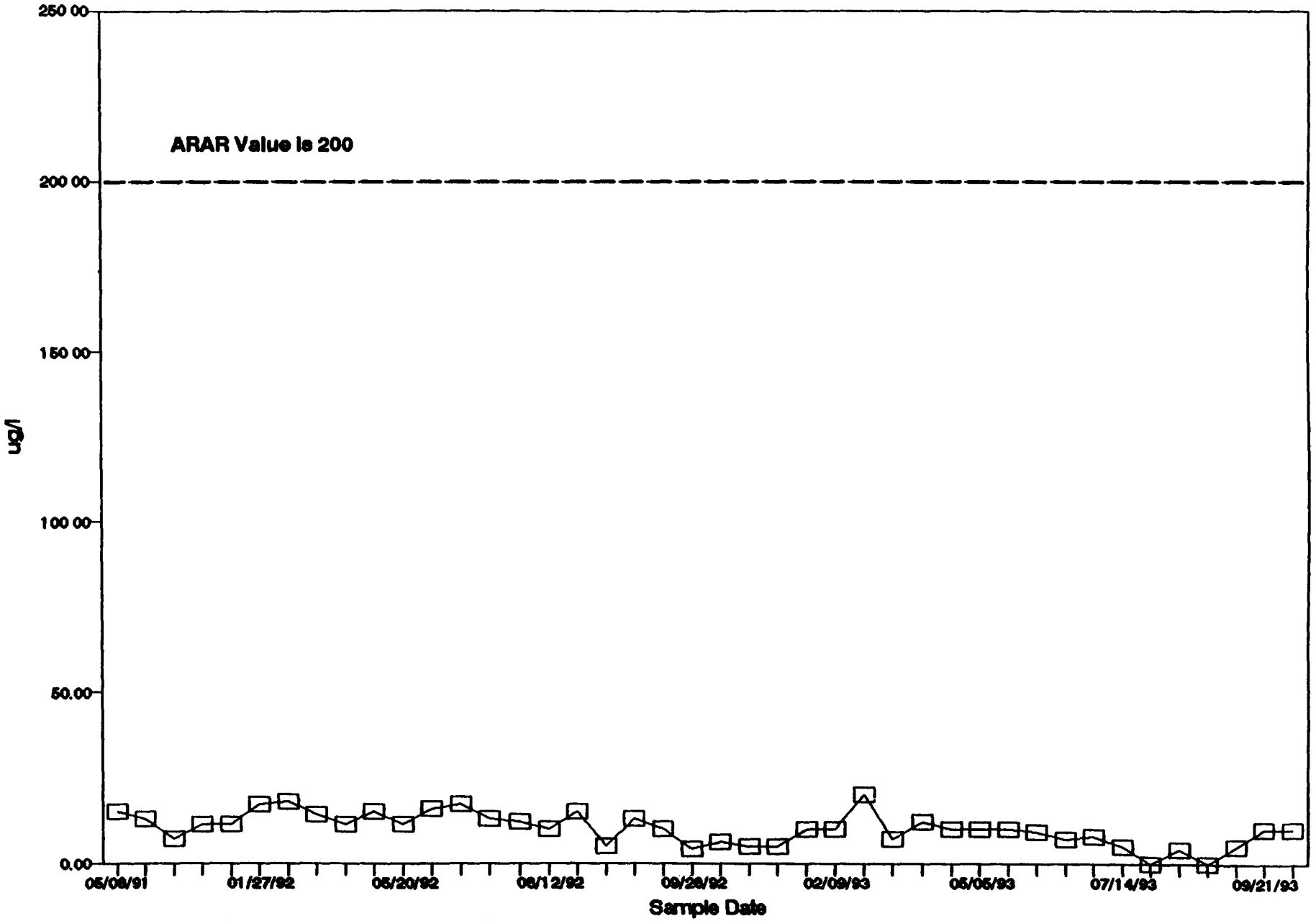
Concentrations reported at the detection limit with U qualifier were plotted as a zero for graphical purposes

Surface Water Station SW059
Trichloroethene Concentrations



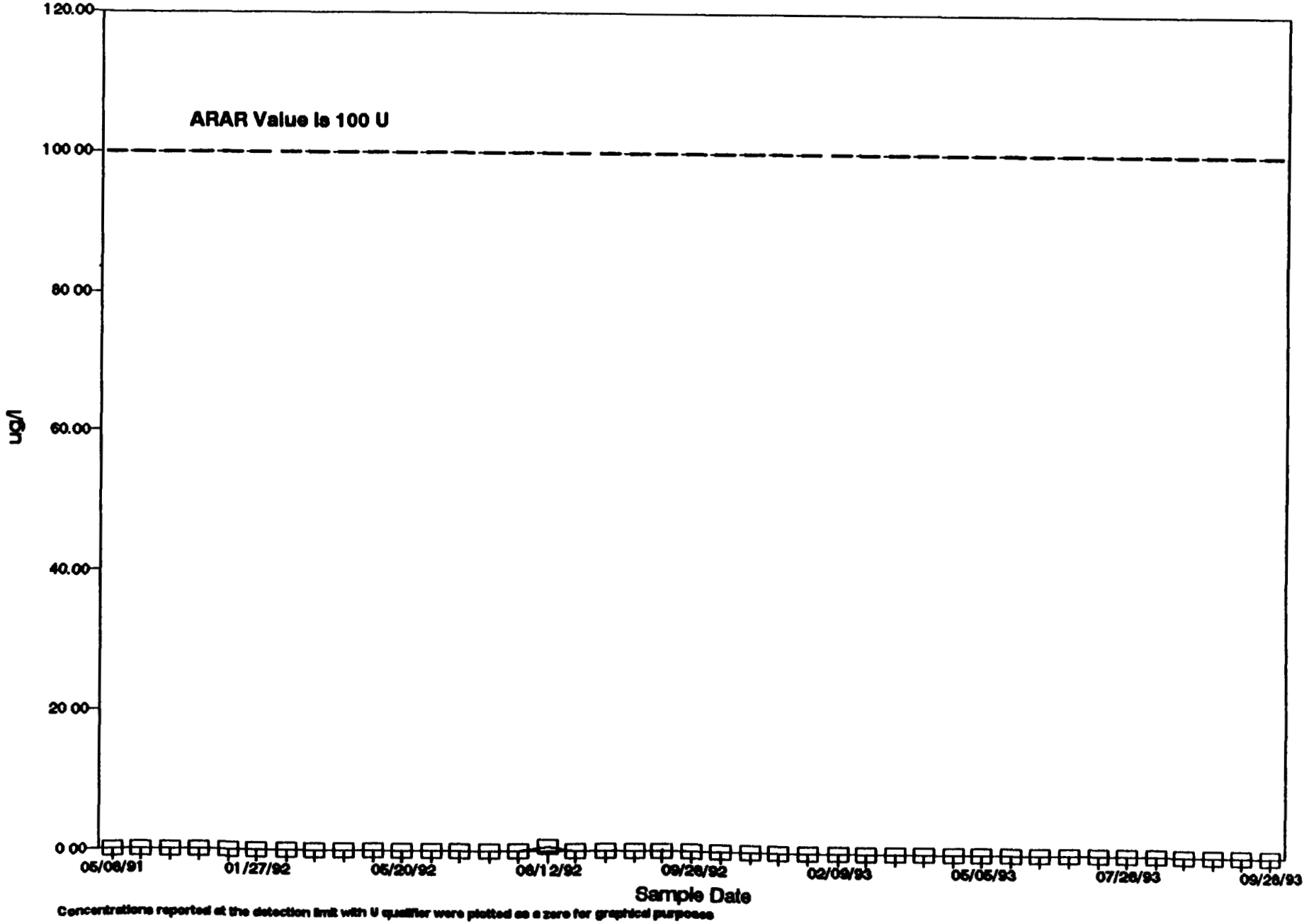
Concentrations reported at the detection limit with U qualifier were plotted as a zero for graphical purposes

Surface Water Station SW059
1,1,1-Trichloroethane Concentrations



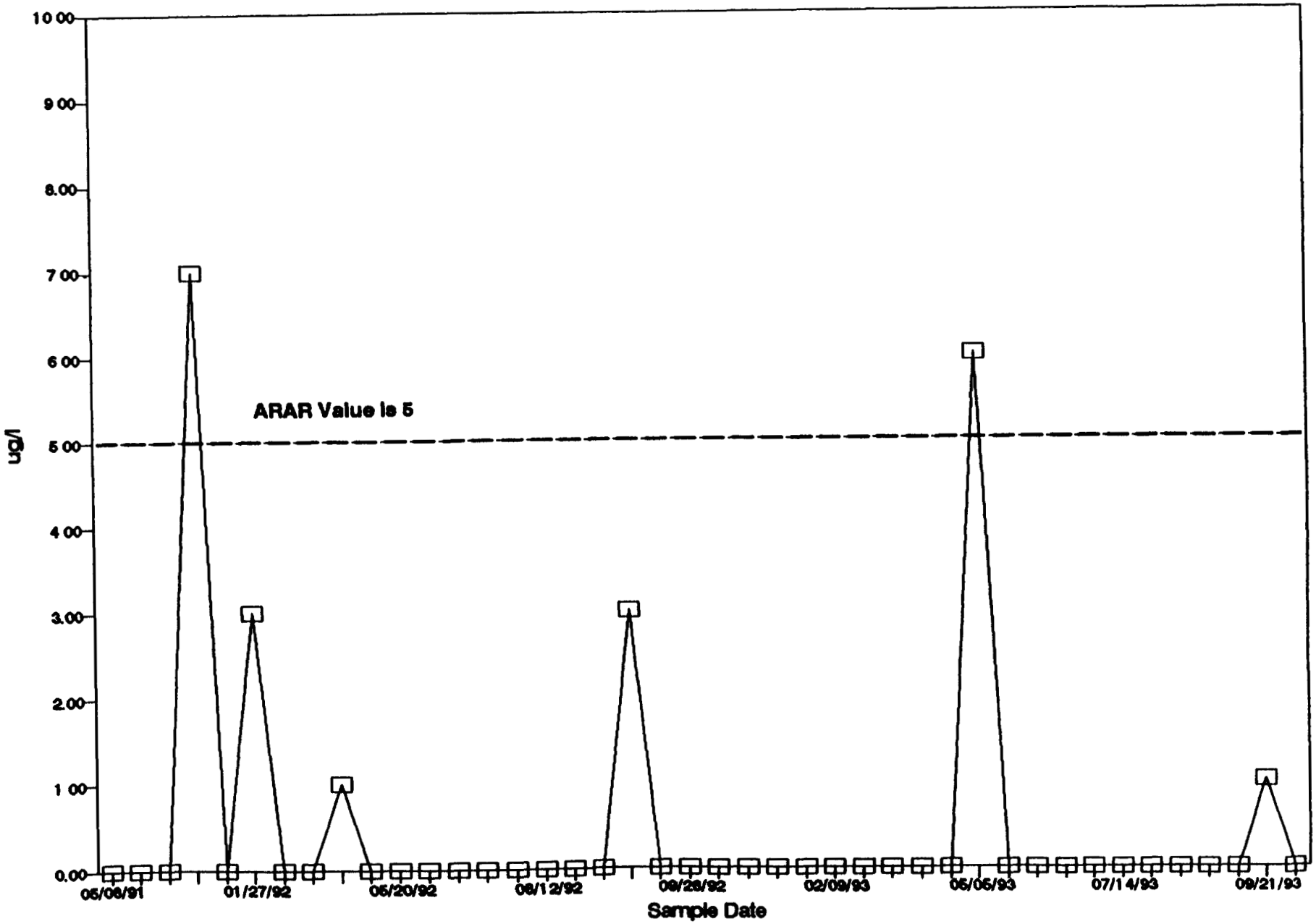
Concentrations reported at the detection limit with U qualifier were plotted as a zero for graphical purposes

Surface Water Station SW059
Bromodichloromethane Concentrations



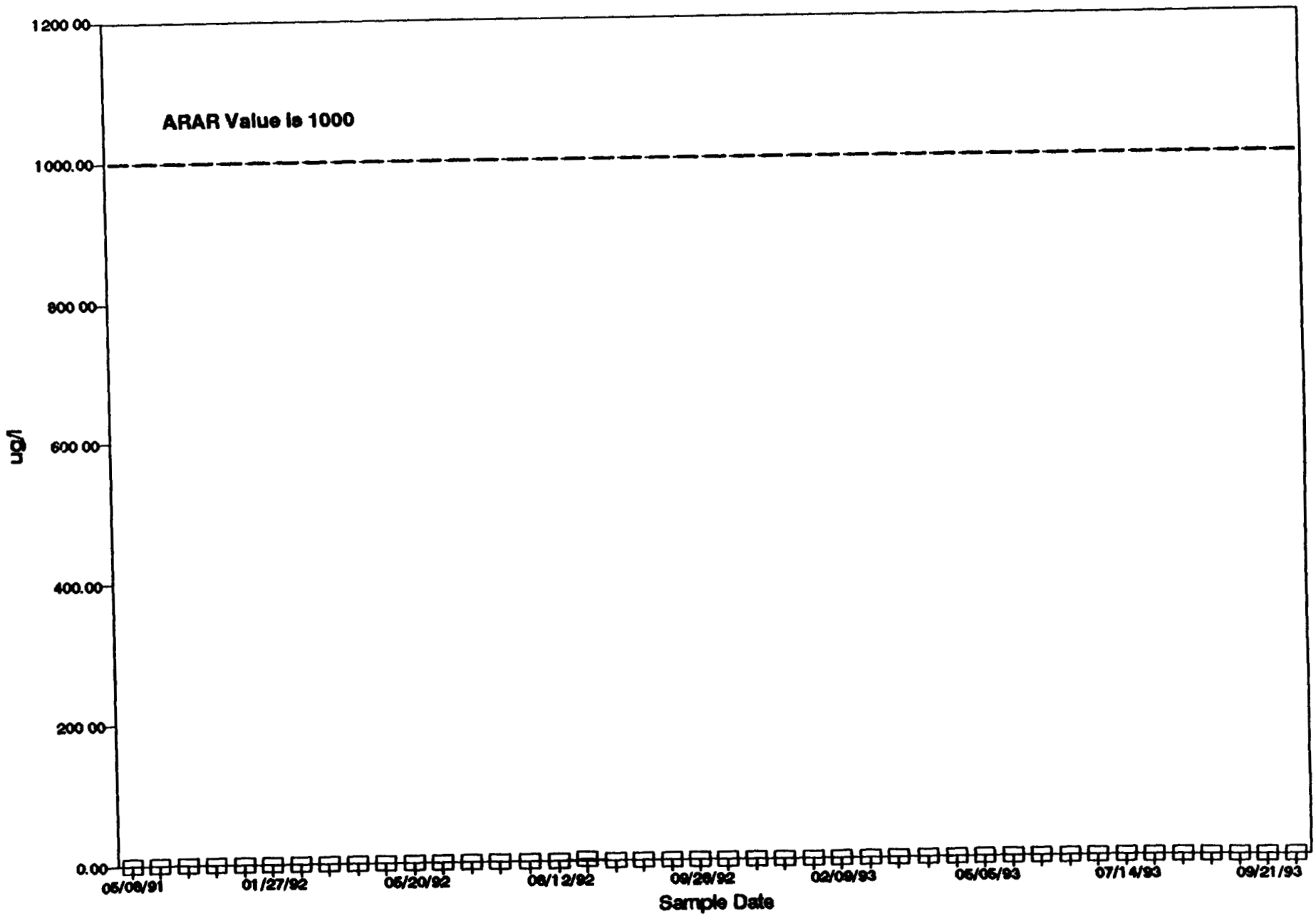
Concentrations reported at the detection limit with U qualifier were plotted as a zero for graphical purposes

Surface Water Station SW059
Methylene Chloride Concentrations



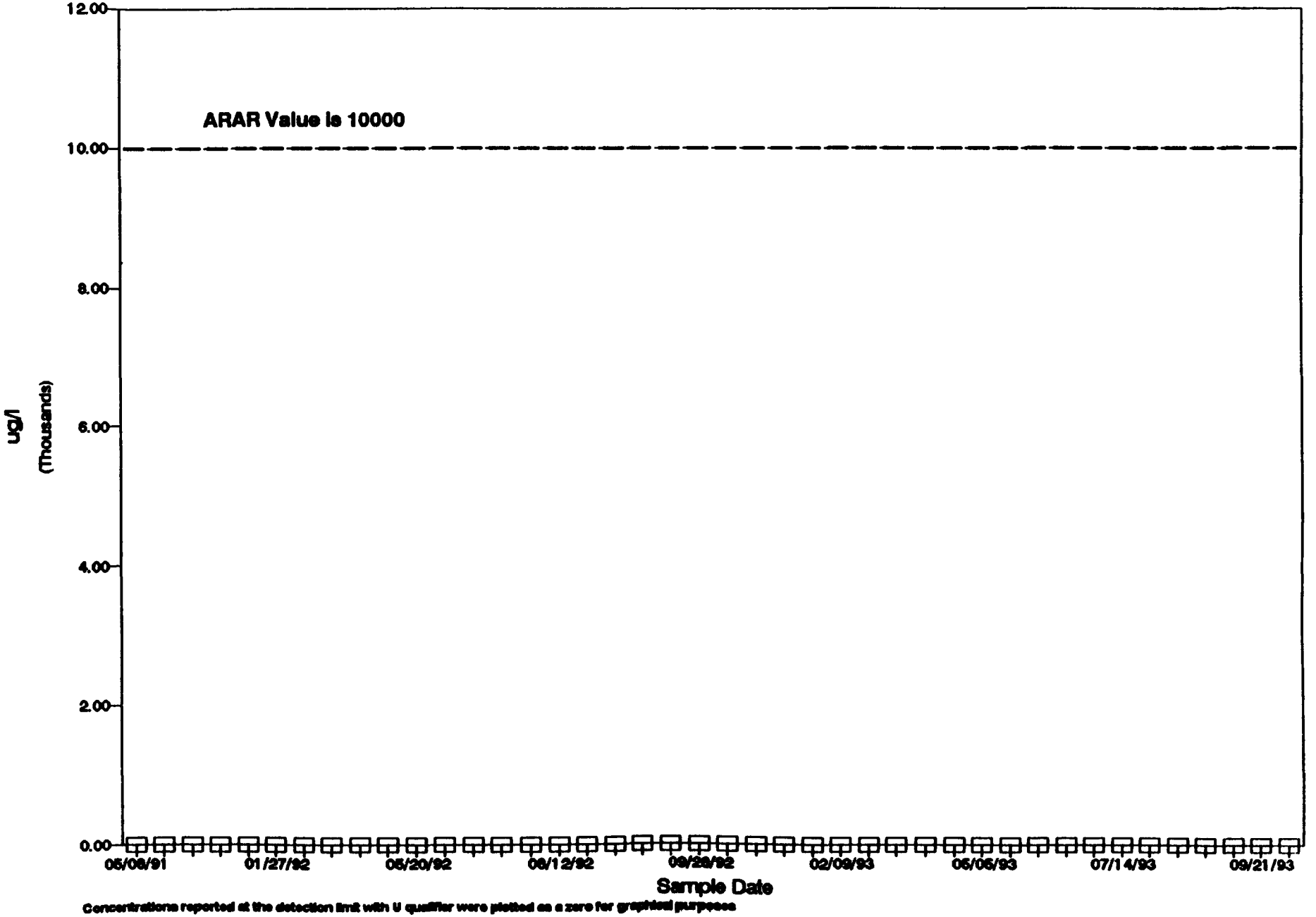
Concentrations reported at the detection limit with U qualifier were plotted as a zero for graphical purposes

Surface Water Station SW059
Toluene Concentrations



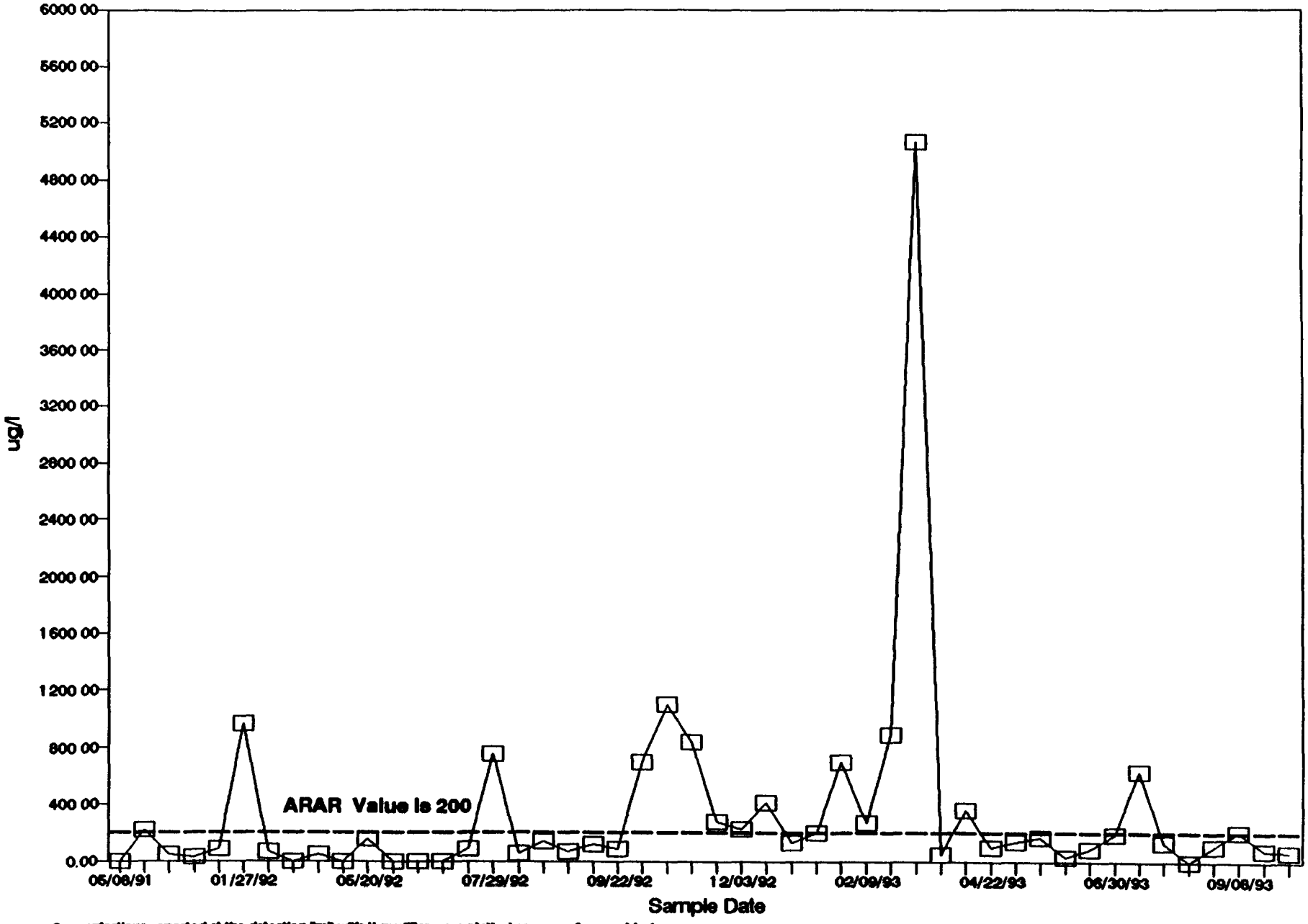
Concentrations reported at the detection limit with U qualifier were plotted as a zero for graphical purposes

Surface Water Station SW059
Total Xylenes Concentrations



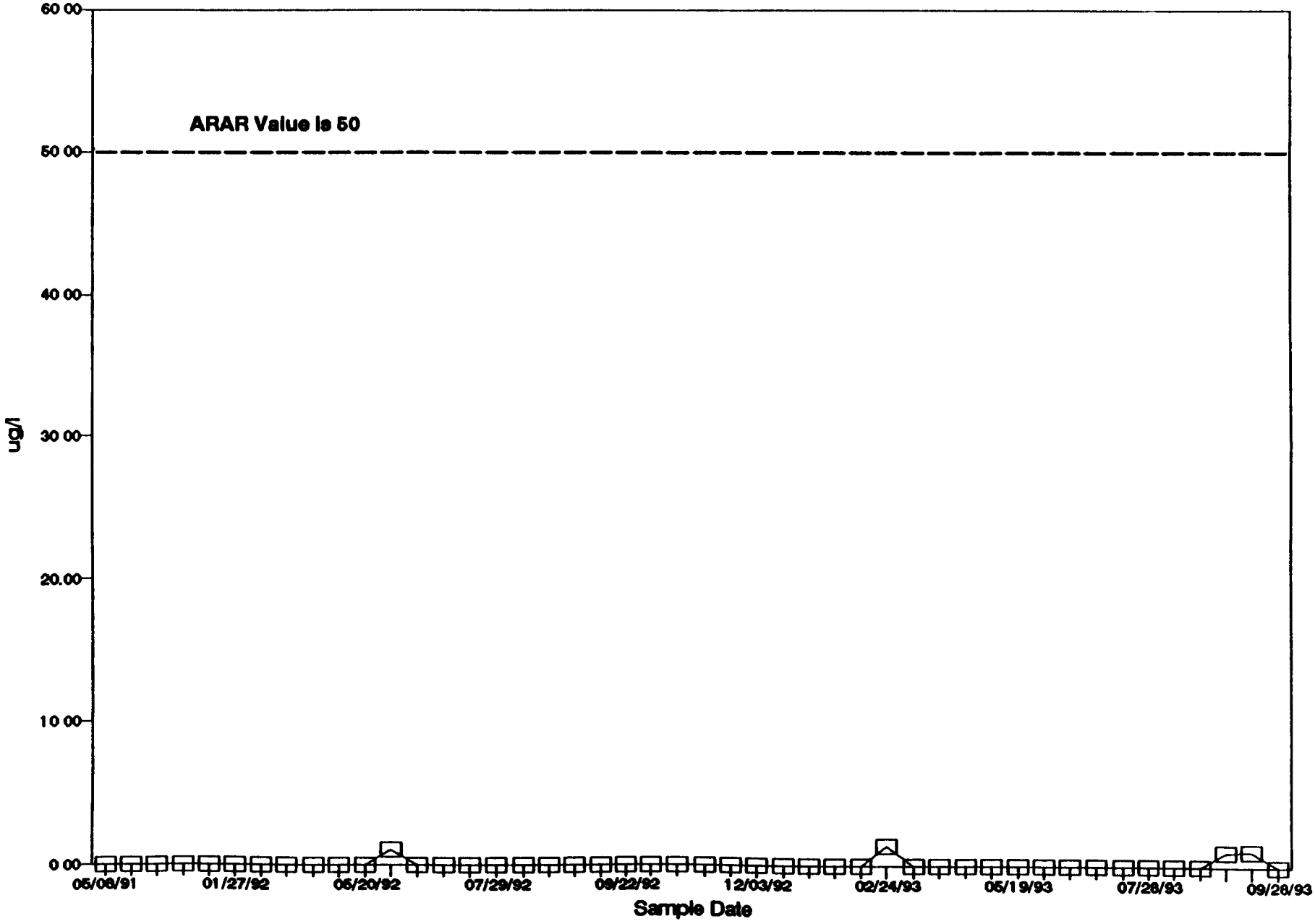
Concentrations reported at the detection limit with U qualifier were plotted as a zero for graphical purposes

Surface Water Station SW061
Total Aluminum Concentrations



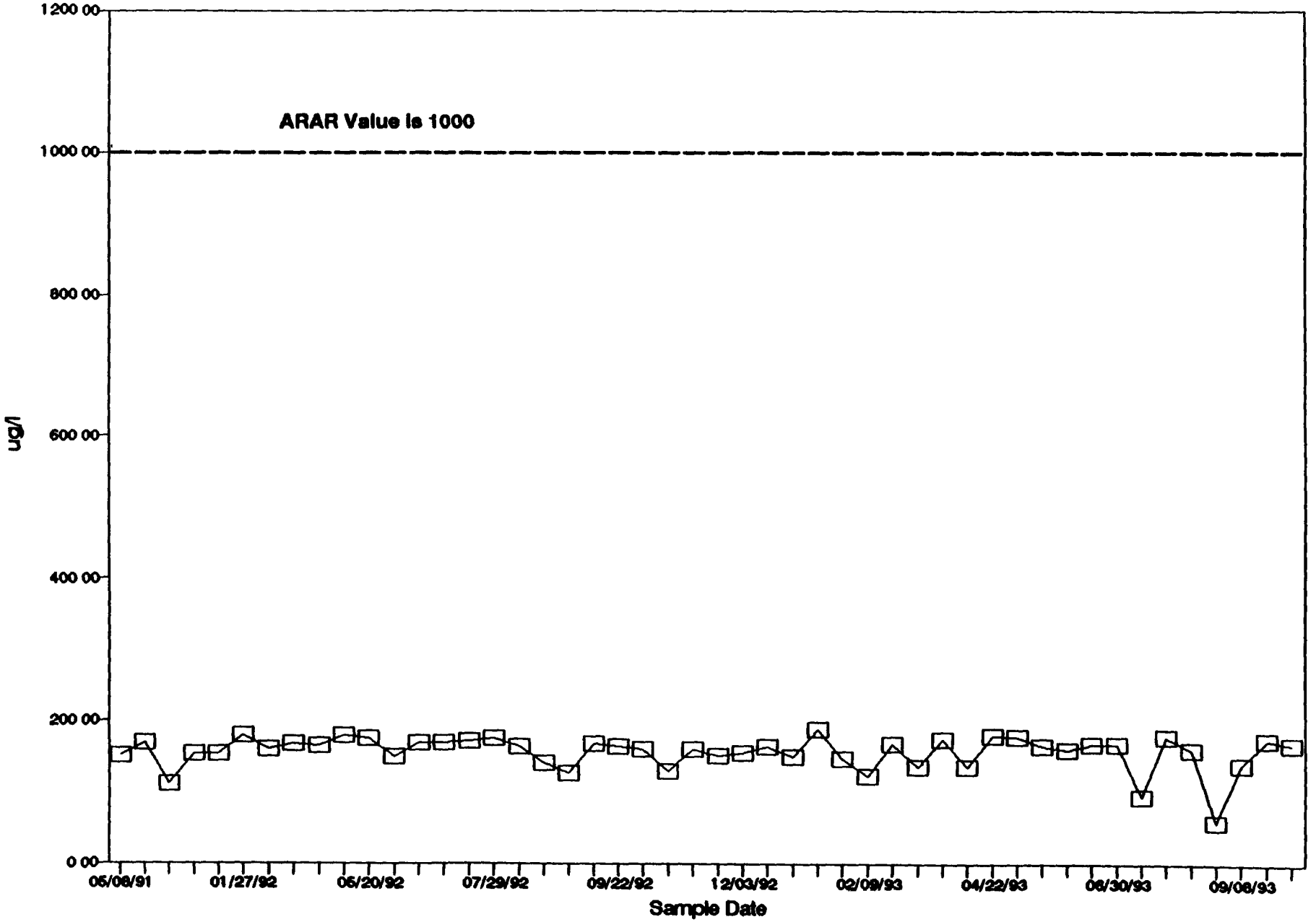
Concentrations eported at the detection limit with U qualifier were plotted as a zero for graphical purposes

Surface Water Station SW061
Total Arsenic Concentrations



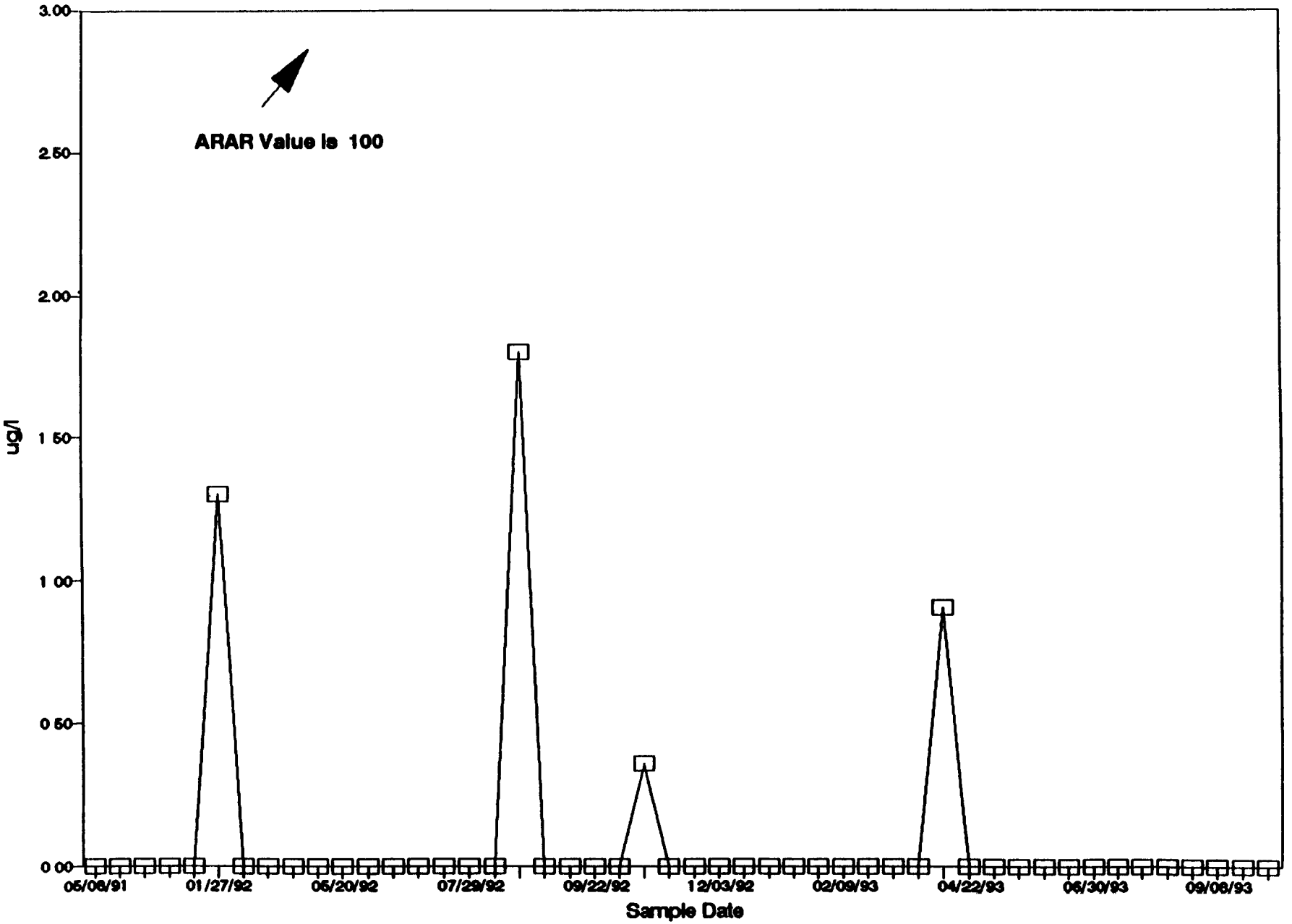
Concentrations reported at the detection limit with U qualifier were plotted as a zero for graphical purposes

Surface Water Station SW061
Total Barium Concentrations



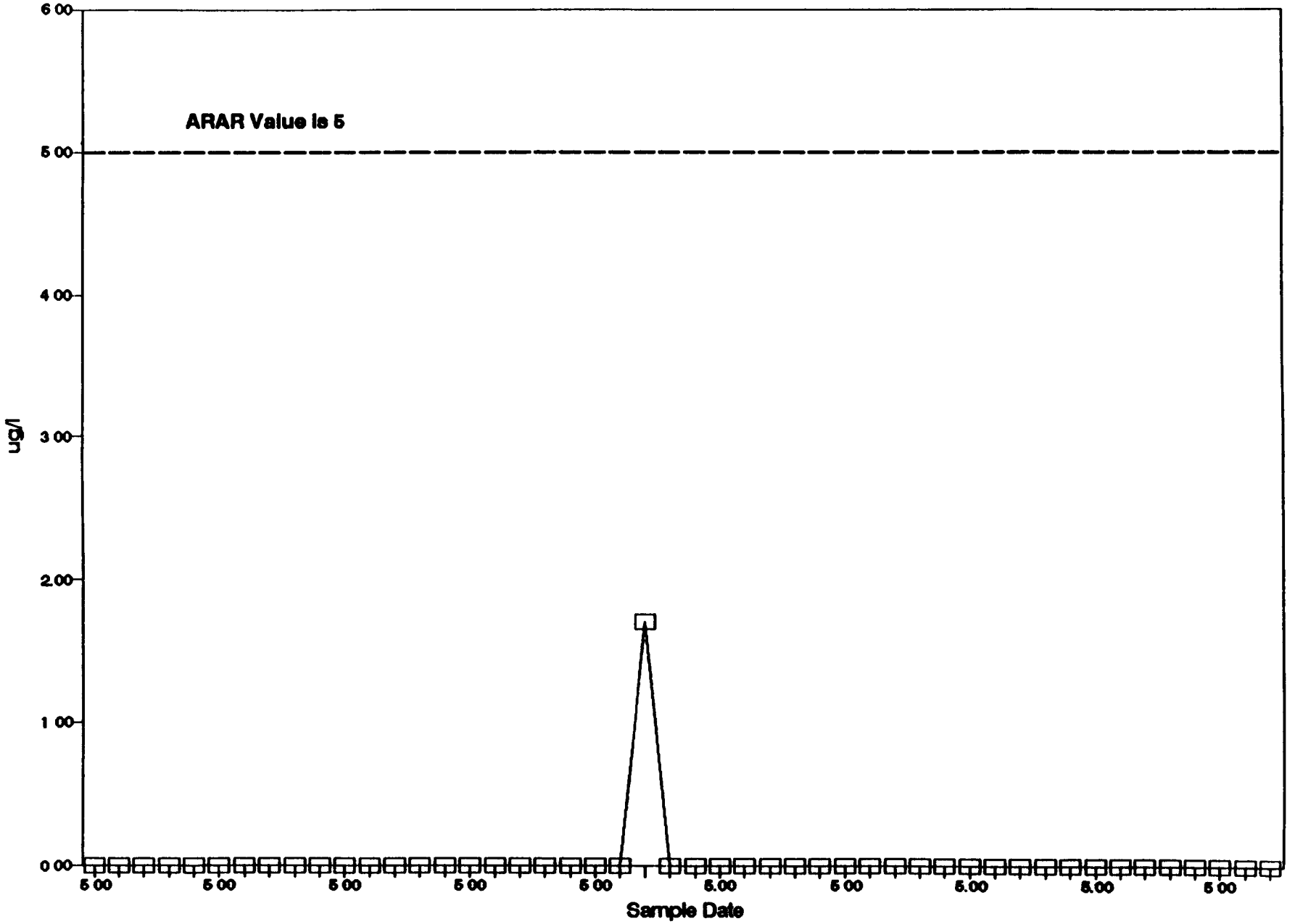
Concentrations reported at the detection limit with U qualifier were plotted as a zero for graphical purposes

Surface Water Station SW061
Total Beryllium Concentrations



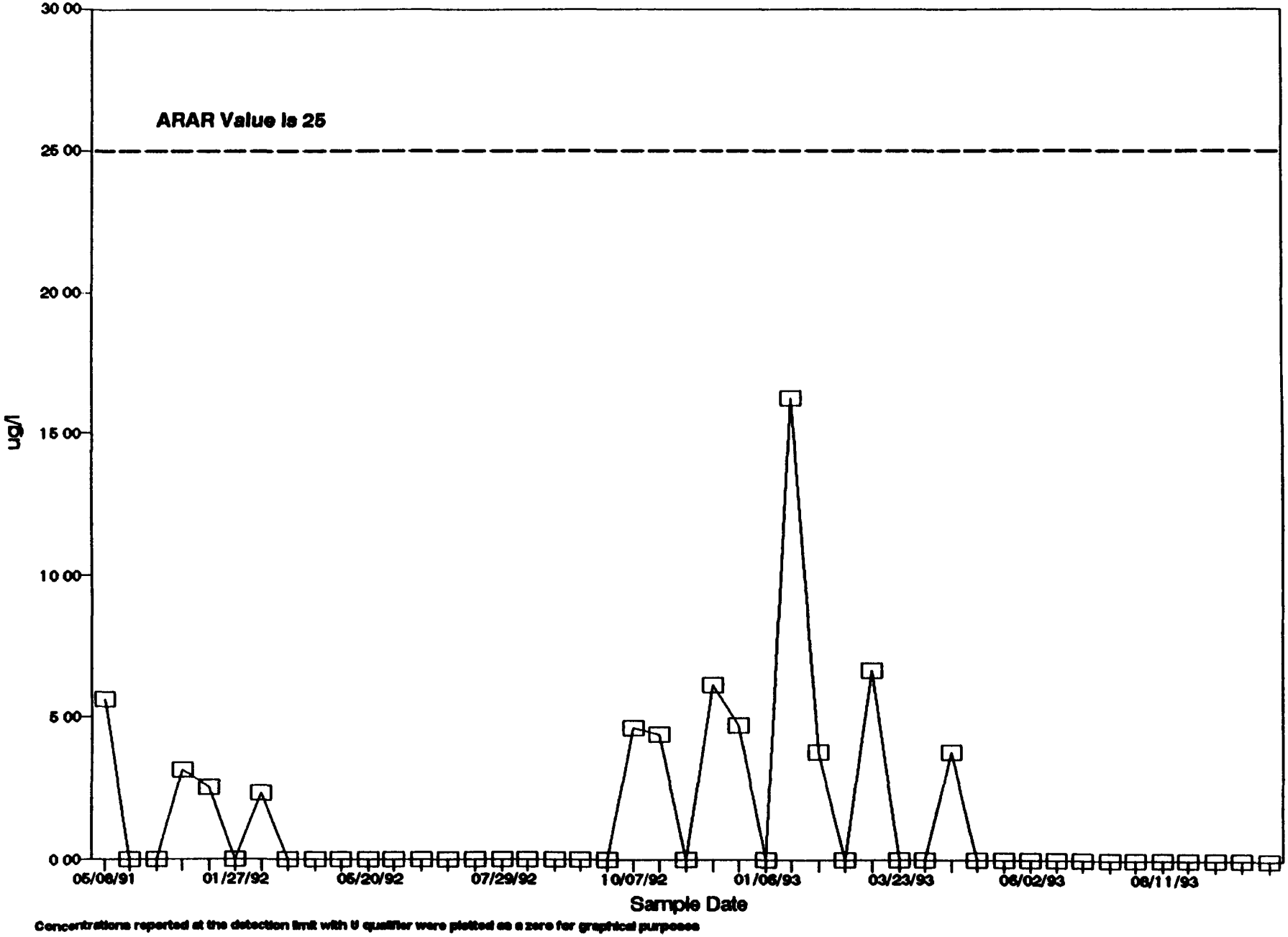
Concentrations reported at the detection limit with U qualifier were plotted as a zero for graphical purposes

Surface Water Station SW061
Total Cadmium Concentrations



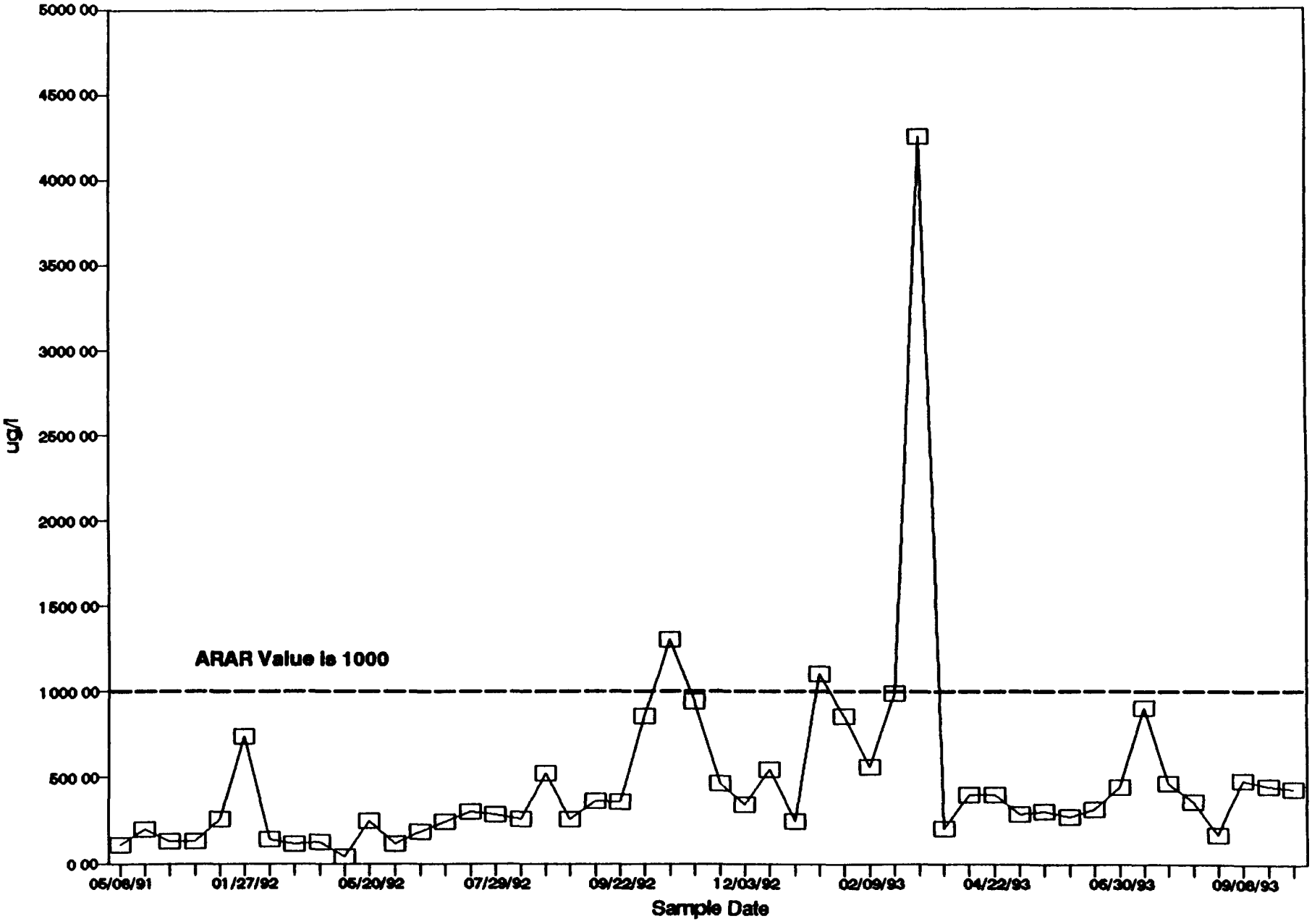
Concentrations reported at the detection limit with U qualifier were plotted as a zero for graphical purposes

Surface Water Station SW061
Total Copper Concentrations



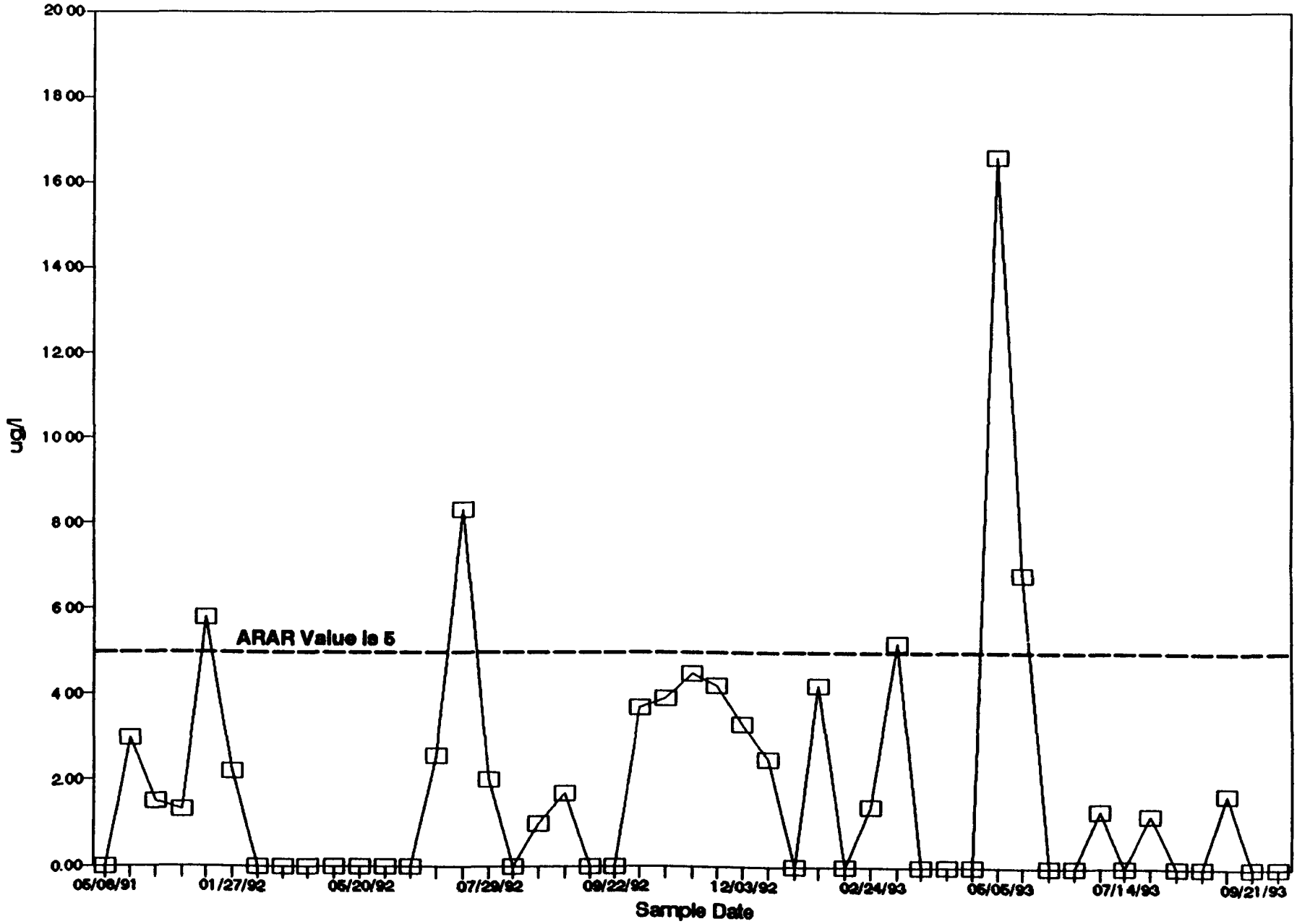
Concentrations reported at the detection limit with U qualifier were plotted as a zero for graphical purposes

Surface Water Station SW061
Total Iron Concentrations



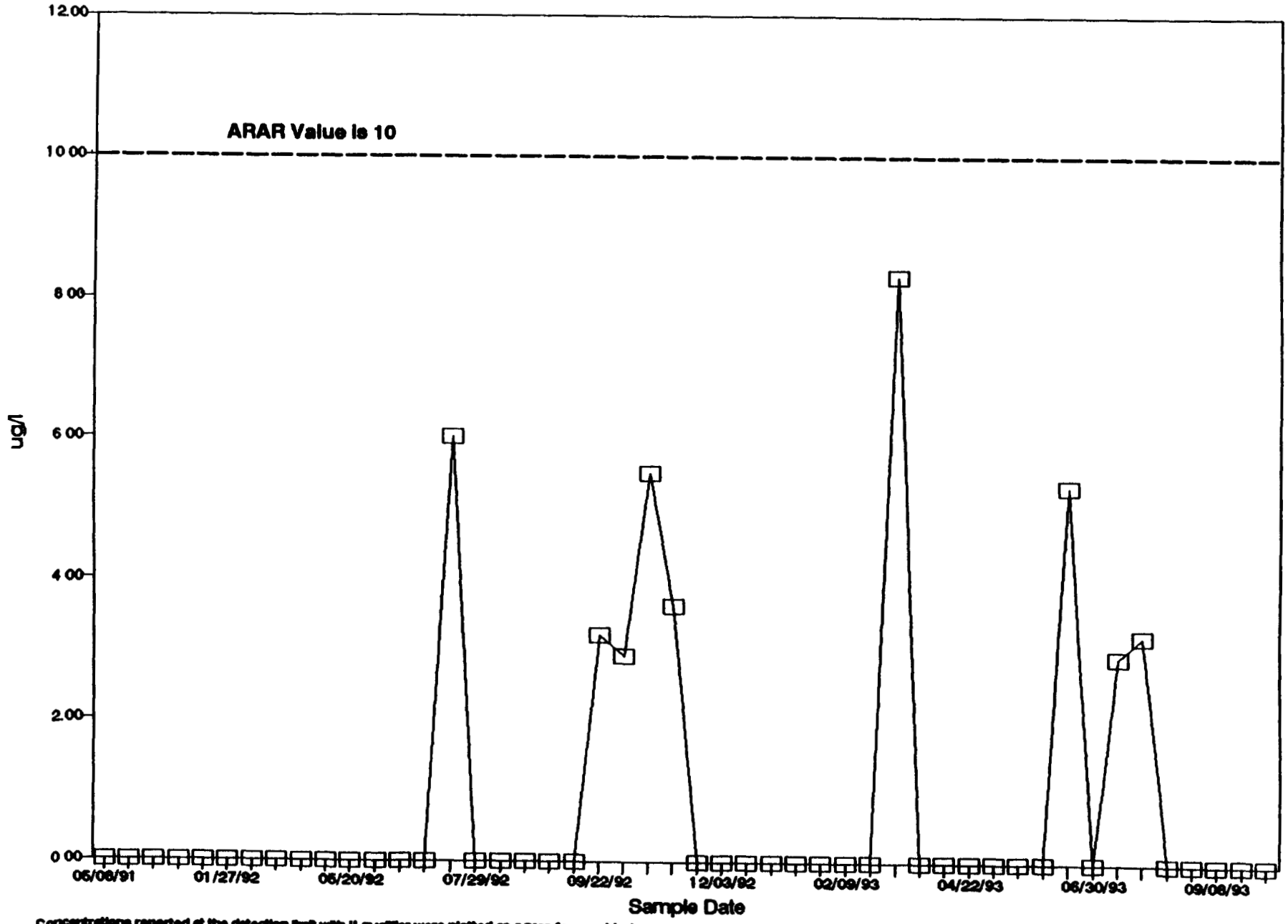
Concentrations reported at the detection limit with U qualifier were plotted as a zero for graphical purposes

Surface Water Station SW061
Total Lead Concentrations



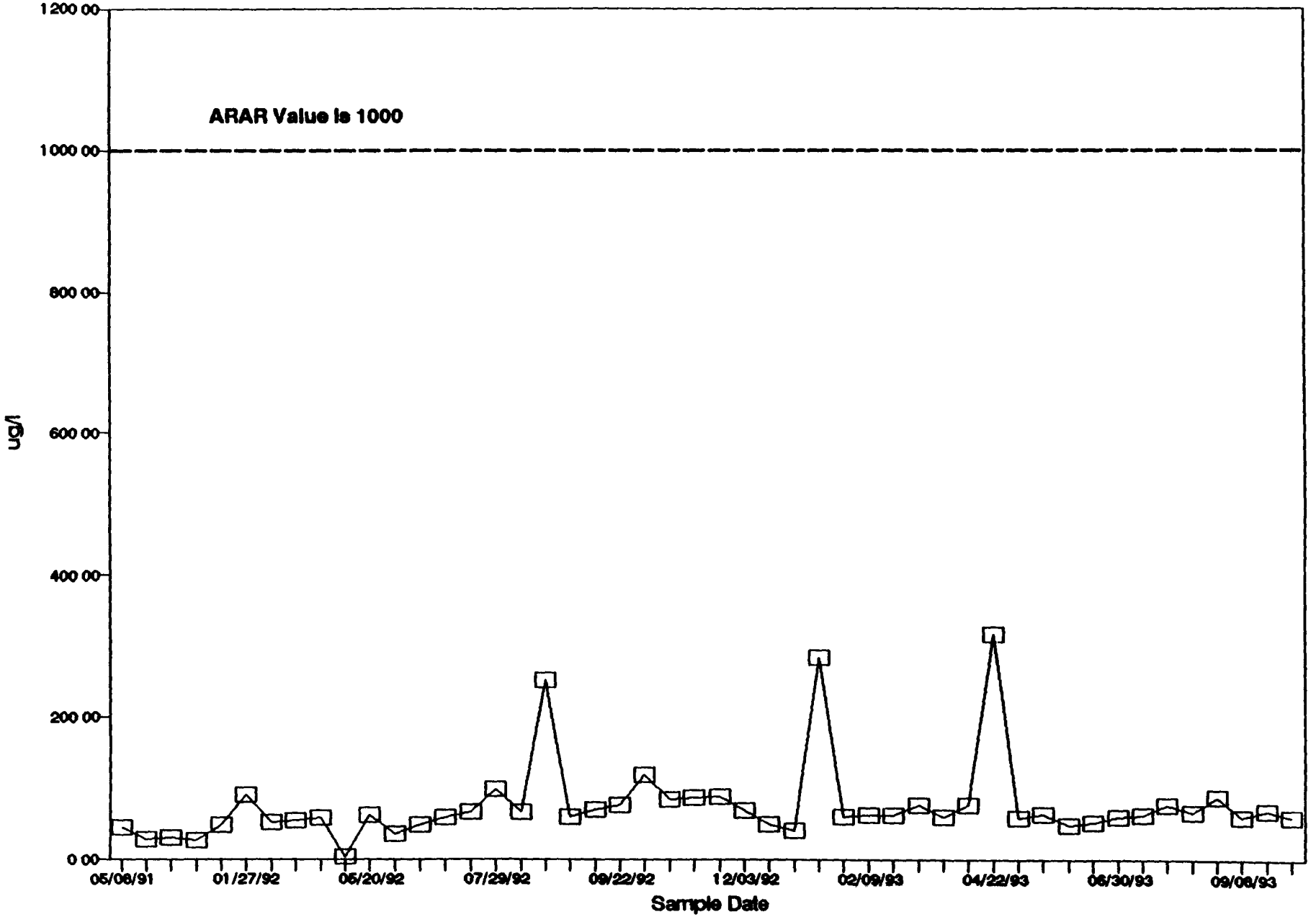
Concentrations reported at the detection limit with U qualifier were plotted as a zero for graphical purposes

Surface Water Station SW061
Total Chromium Concentrations



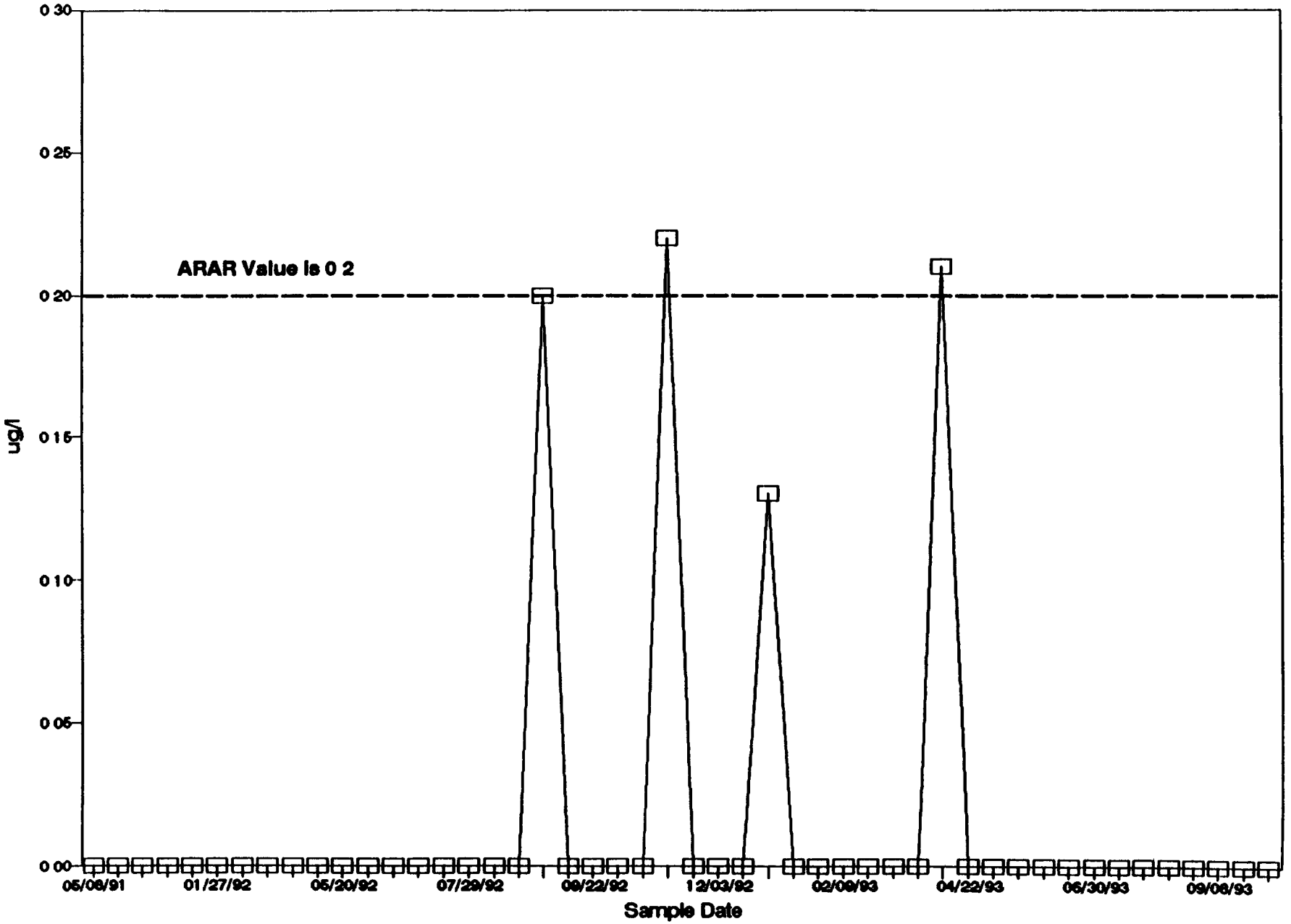
Concentrations reported at the detection limit with U qualifier were plotted as a zero for graphical purposes

Surface Water Station SW061
Total Manganese Concentrations



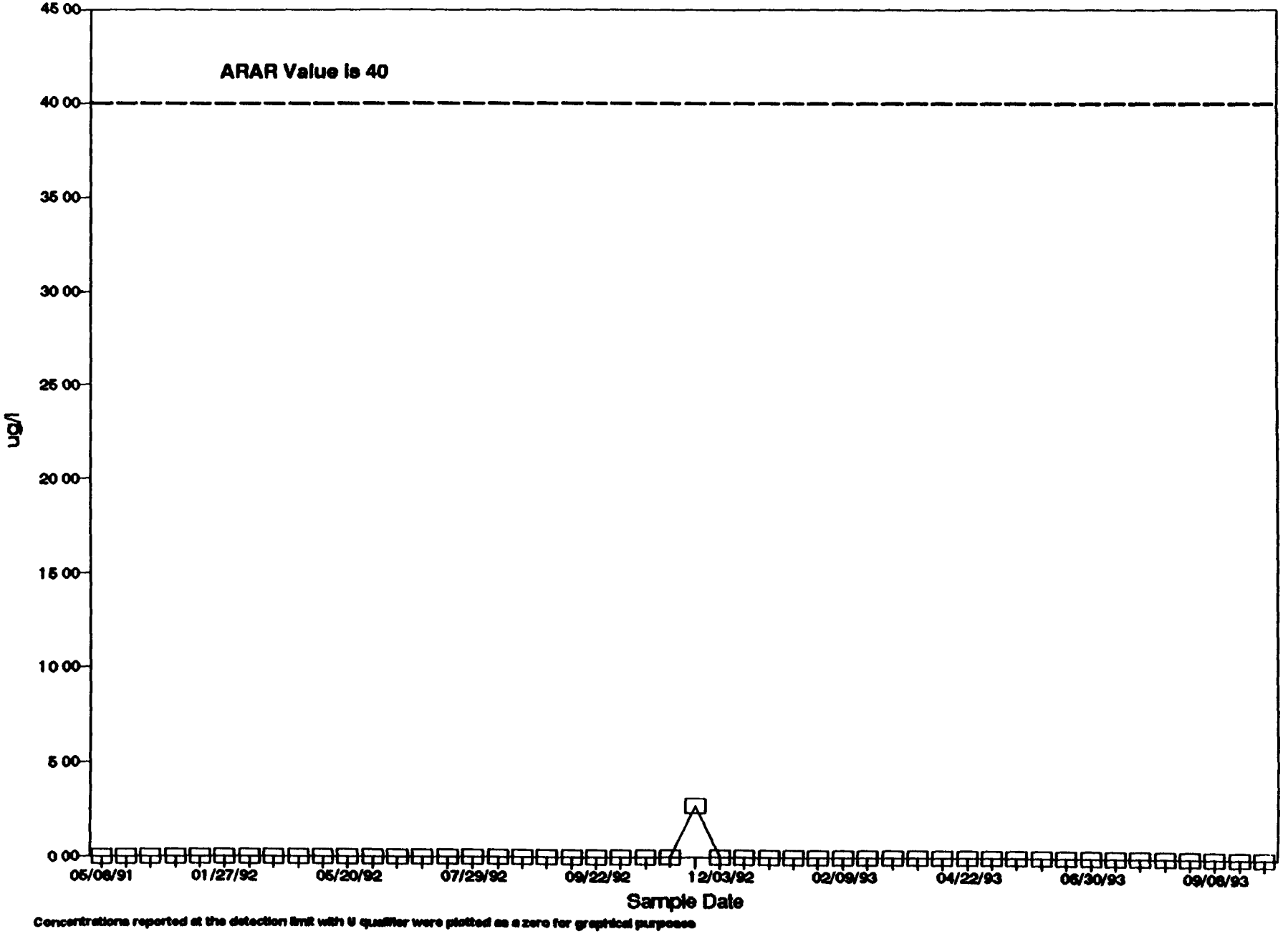
Concentrations reported at the detection limit with U qualifier were plotted as a zero for graphical purposes

Surface Water Station SW061
Total Mercury Concentrations



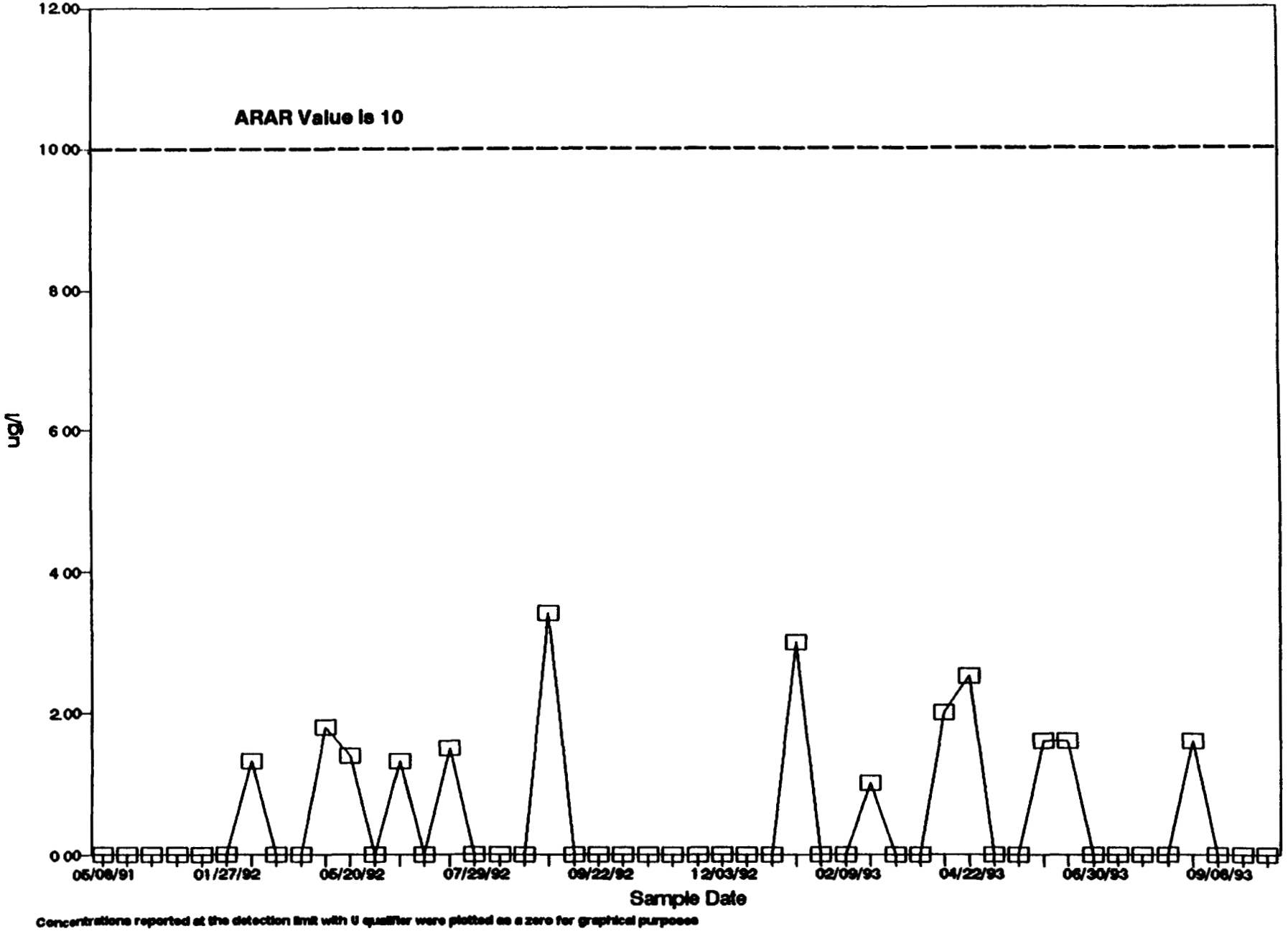
Concentrations reported at the detection limit with U qualifier were plotted as a zero for graphical purposes

Surface Water Station SW061
Total Nickel Concentrations



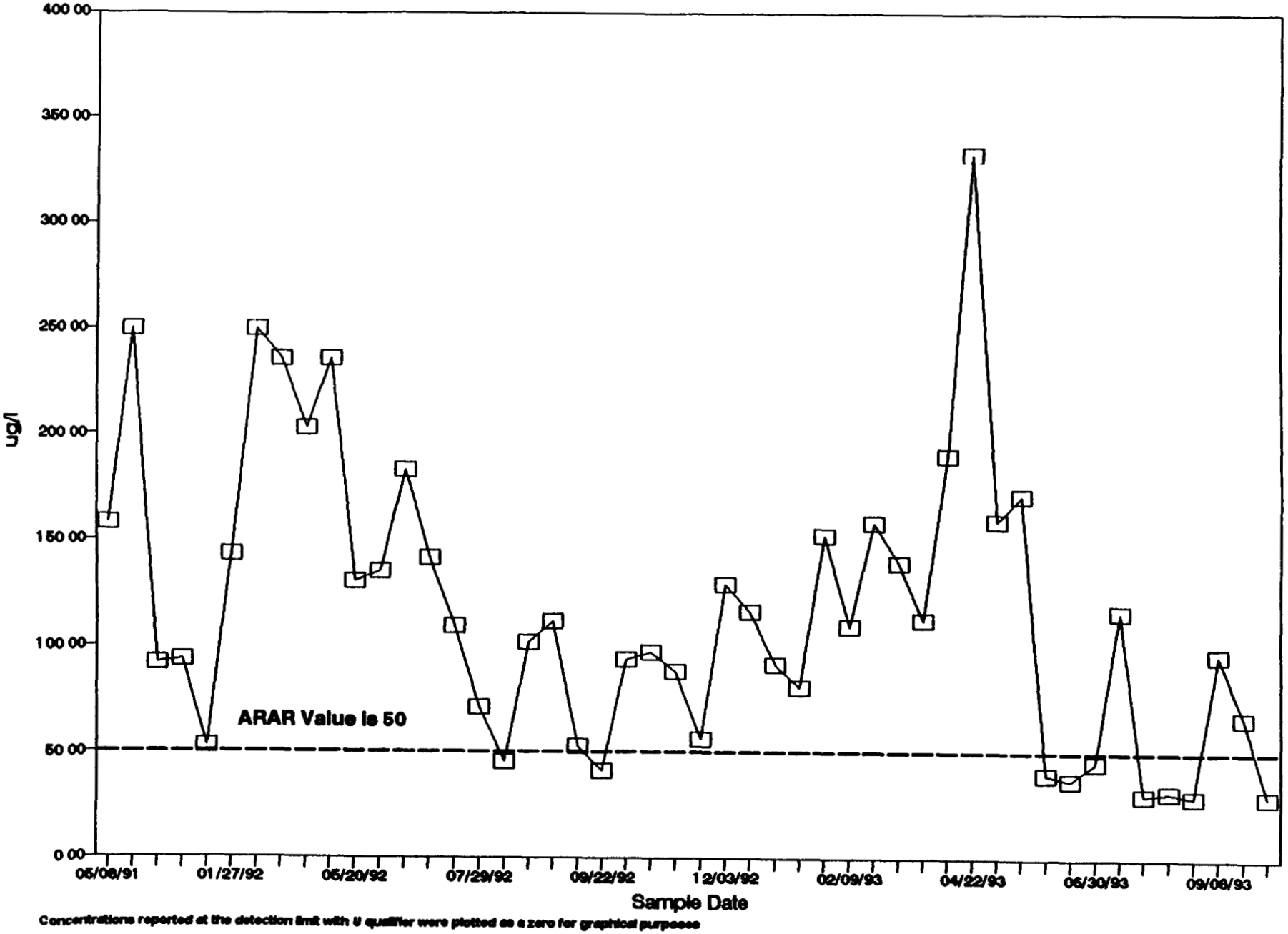
Concentrations reported at the detection limit with U qualifier were plotted as a zero for graphical purposes

Surface Water Station SW061
Total Selenium Concentrations



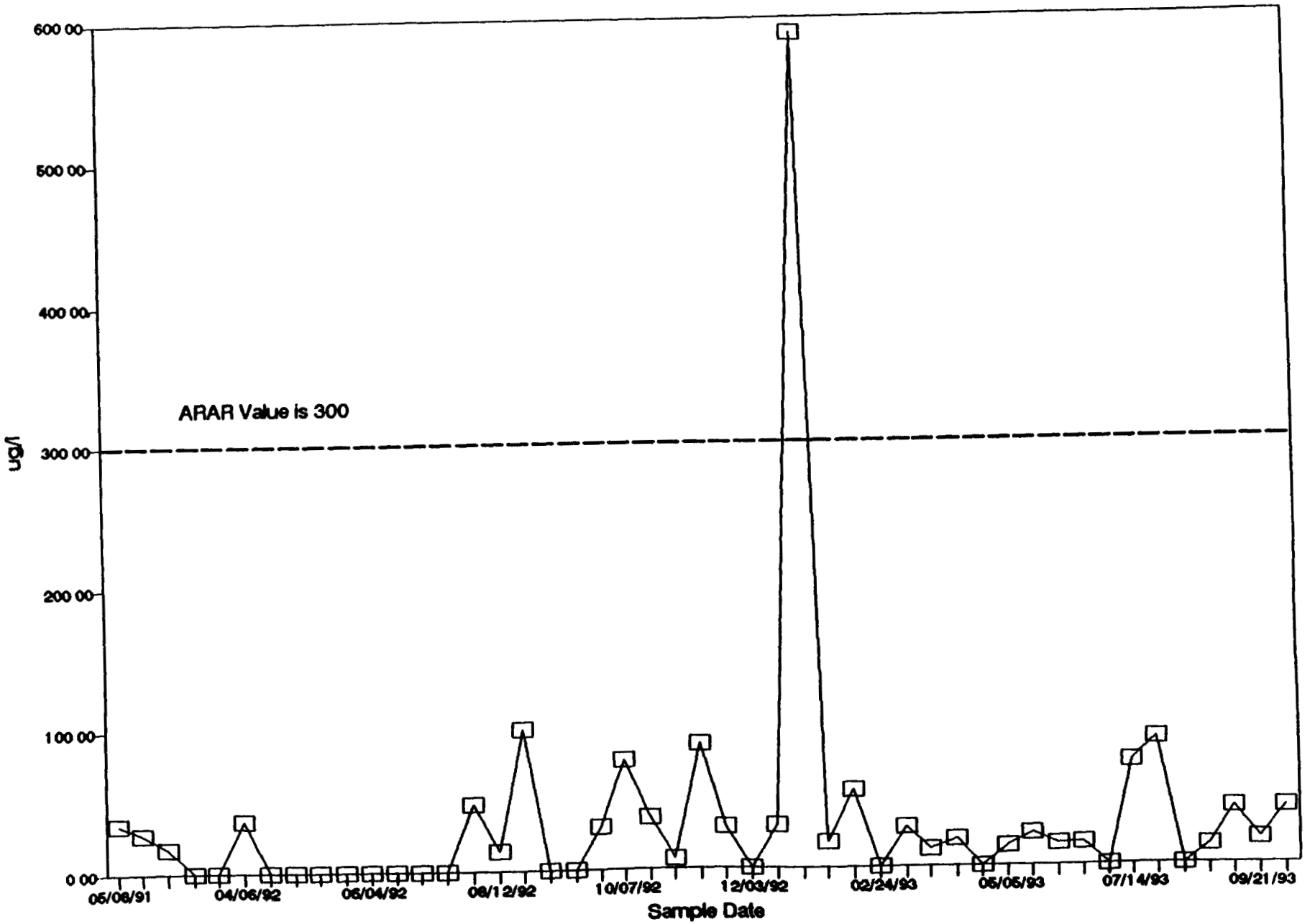
Concentrations reported at the detection limit with U qualifier were plotted as a zero for graphical purposes

Surface Water Station SW061
Total Zinc Concentrations



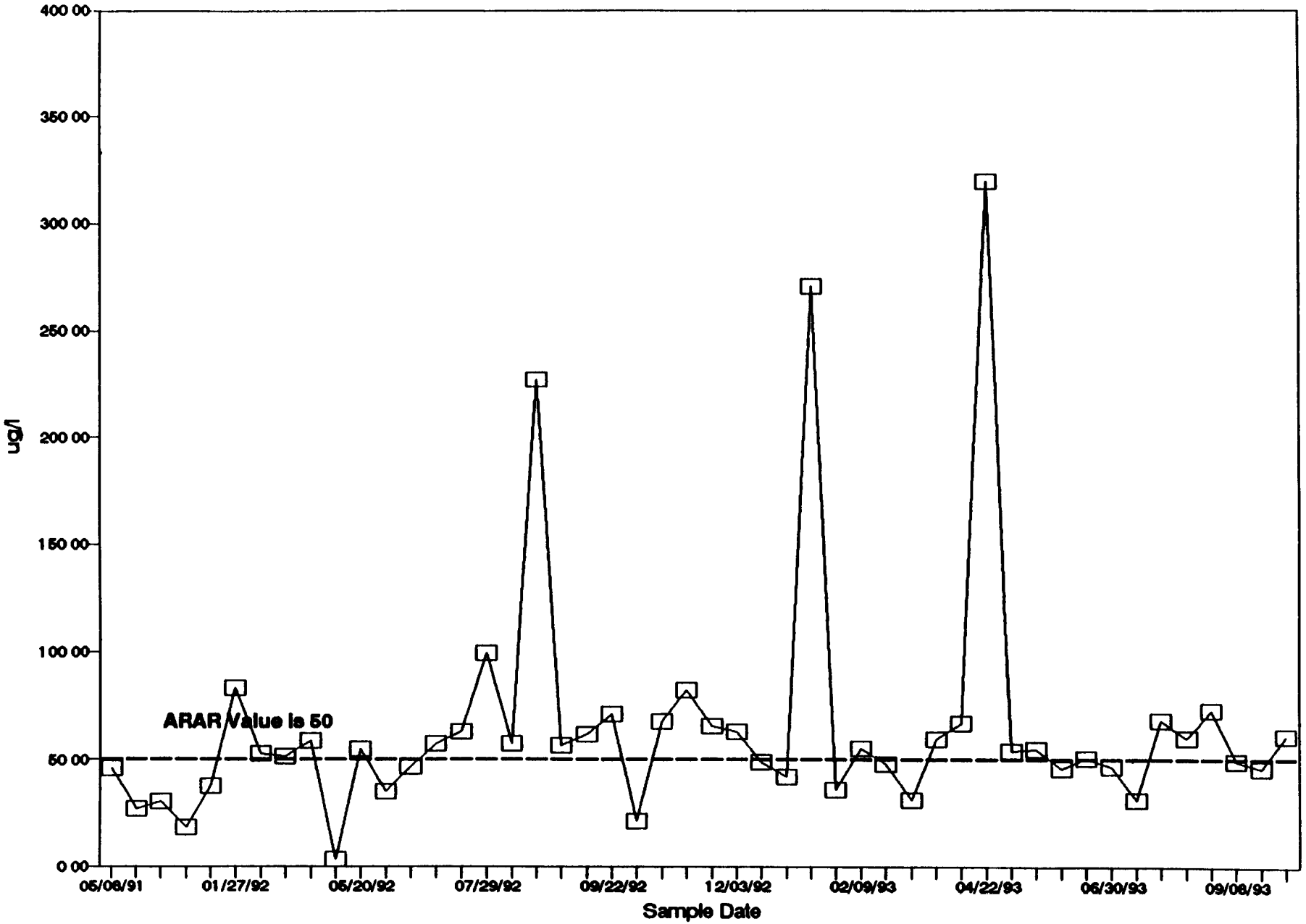
Concentrations reported at the detection limit with U qualifier were plotted as a zero for graphical purposes

Surface Water Station SW061
Filtered Iron Concentrations



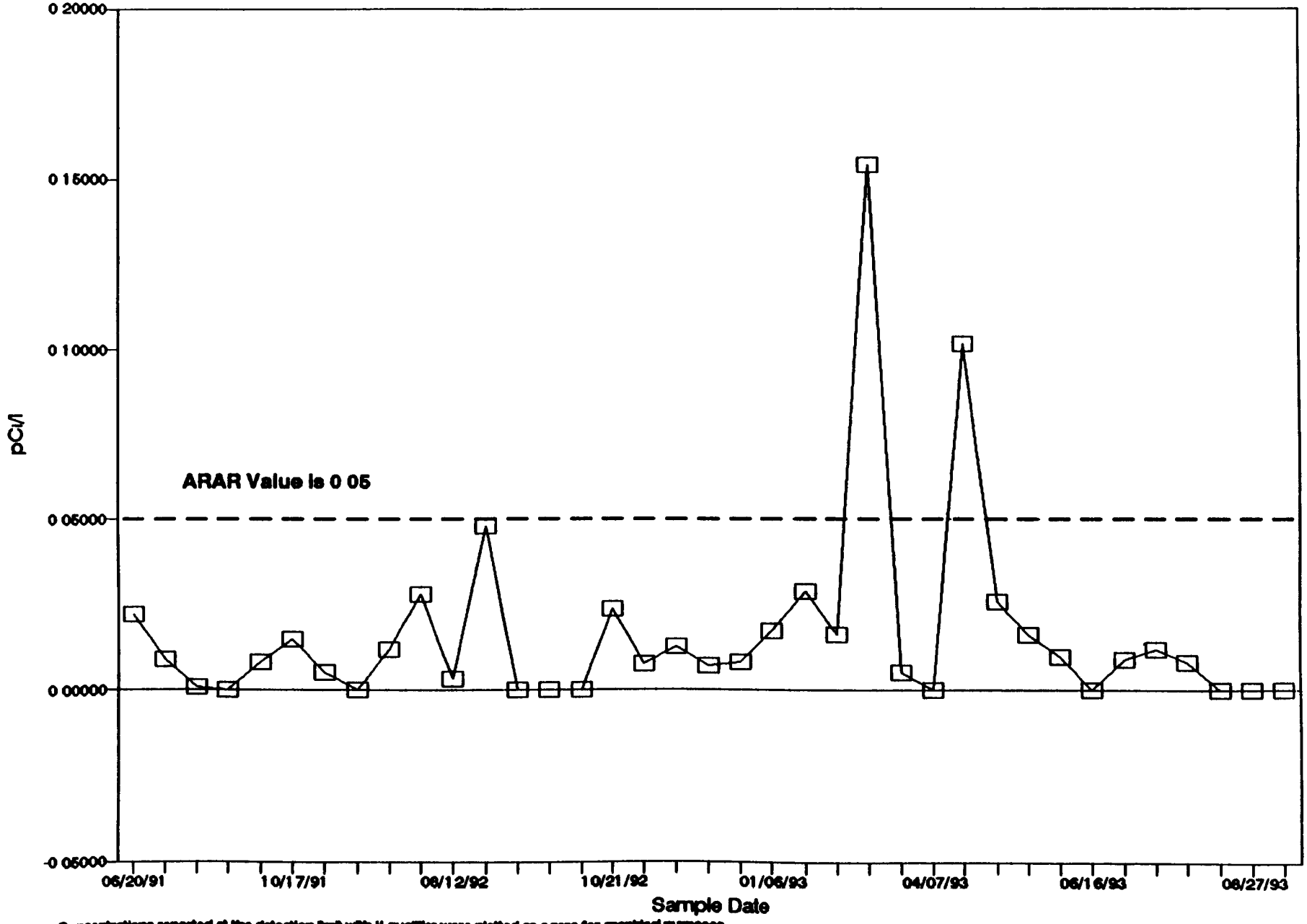
Concentrations reported at the detection limit with U qualifier were plotted as a zero for graphical purposes

Surface Water Station SW061
Filtered Manganese Concentrations



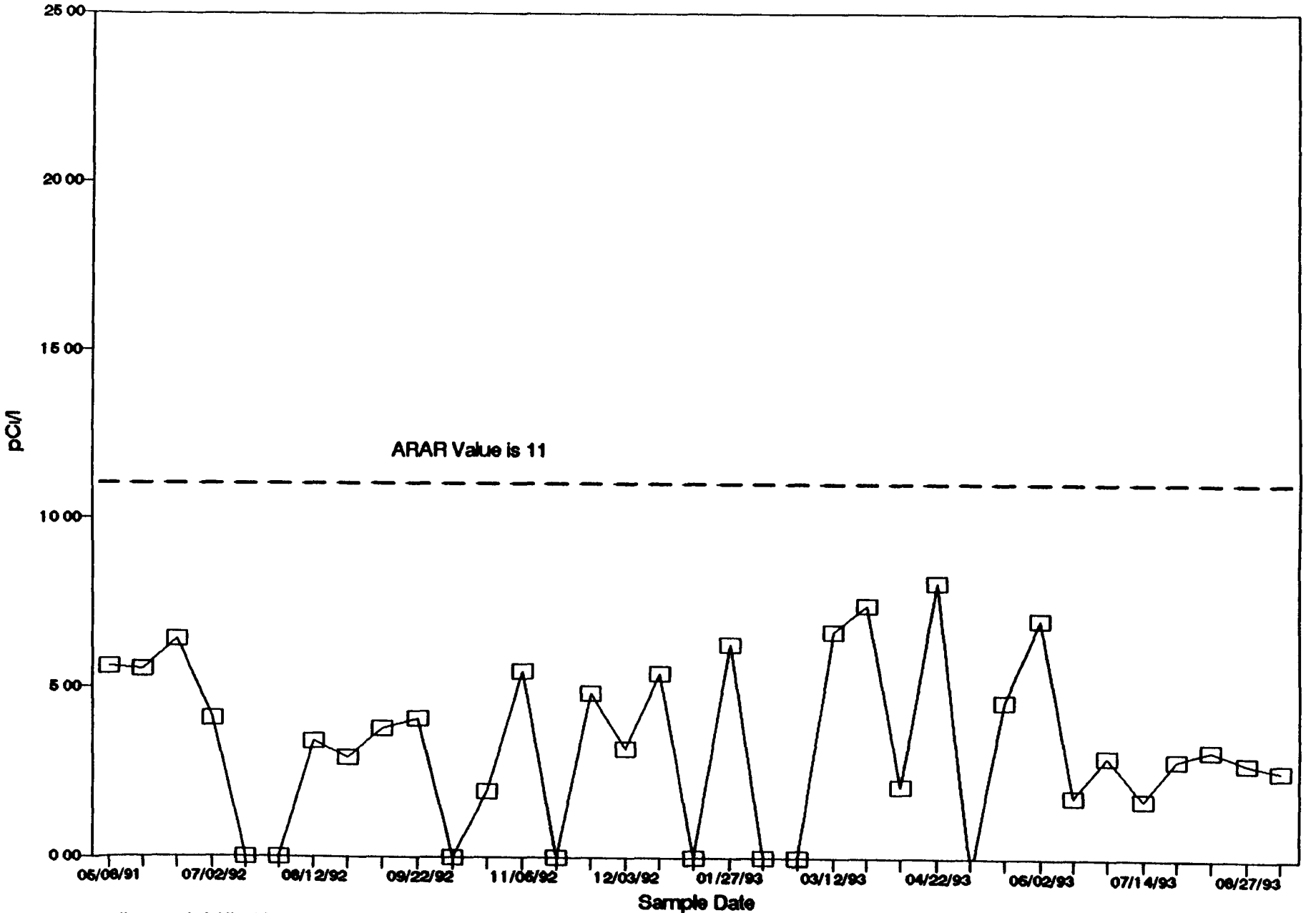
Concentrations reported at the detection limit with U qualifier were plotted as a zero for graphical purposes

Surface Water Station SW061
Total Americium-241 Activities



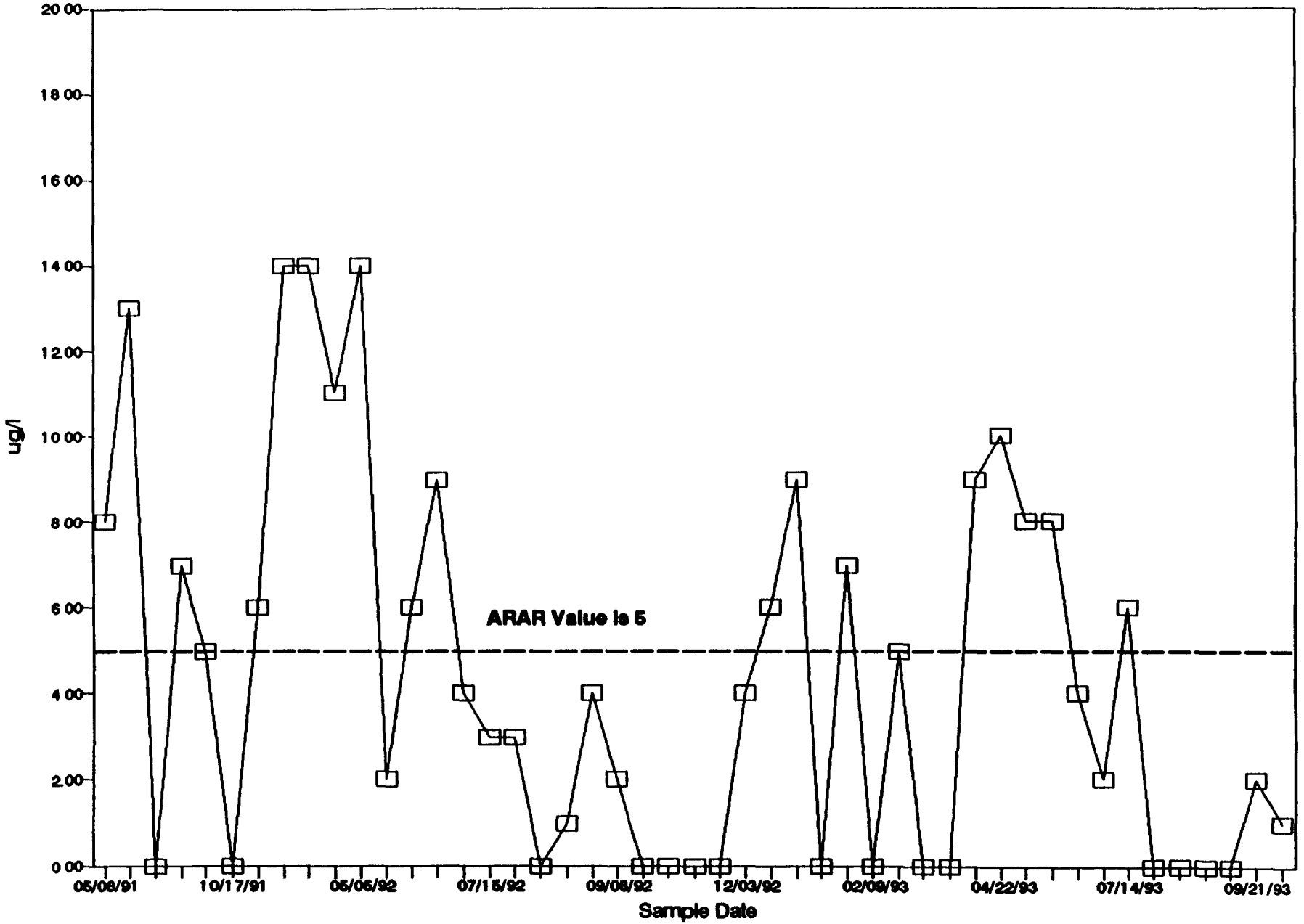
Concentrations reported at the detection limit with U qualifier were plotted as a zero for graphical purposes

Surface Water Station SW061
Gross Alpha Activities



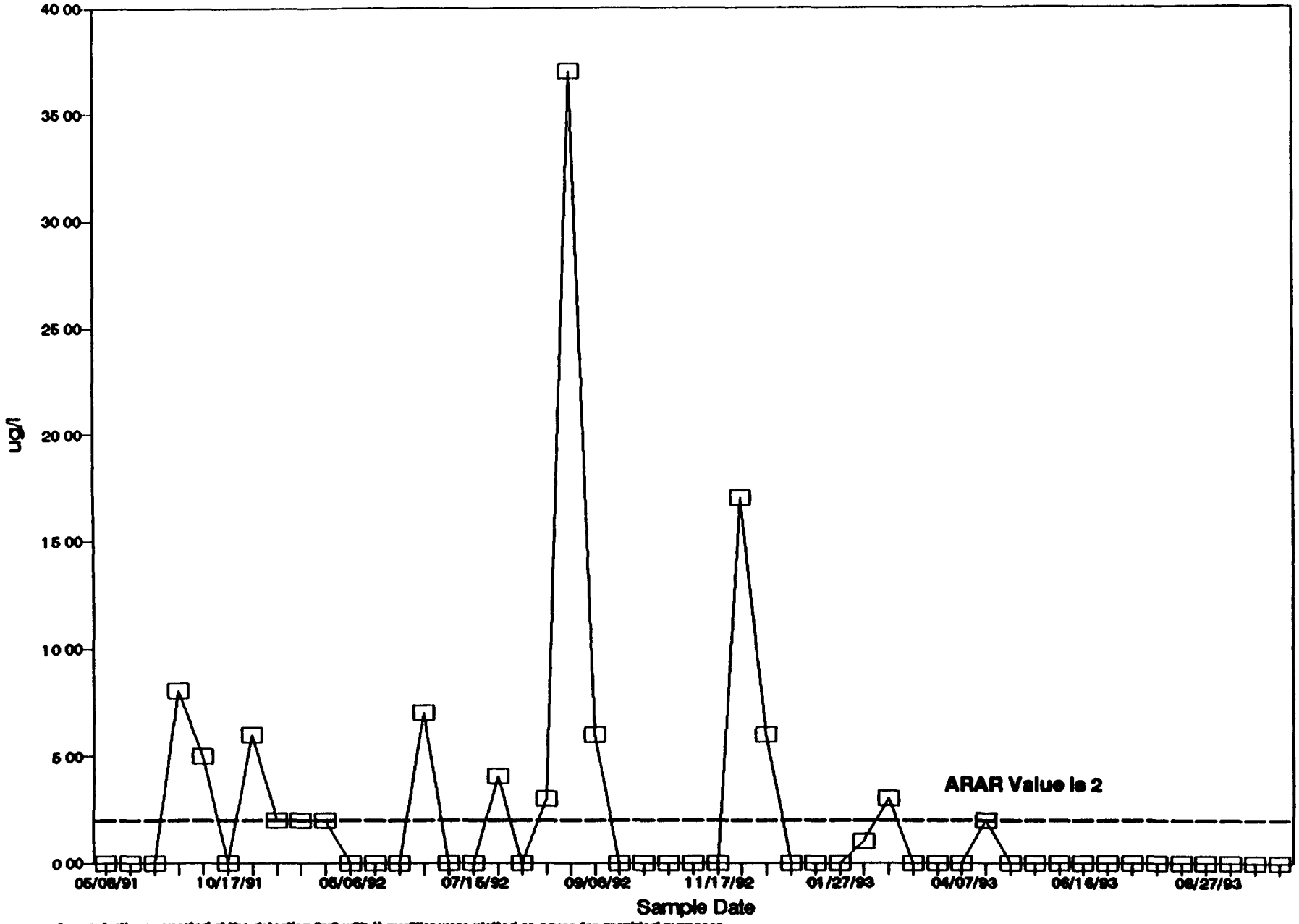
Concentrations reported at the detection limit with U qualifier were plotted as a zero for graphical purposes

Surface Water Station SW061
Carbon Tetrachloride Concentrations



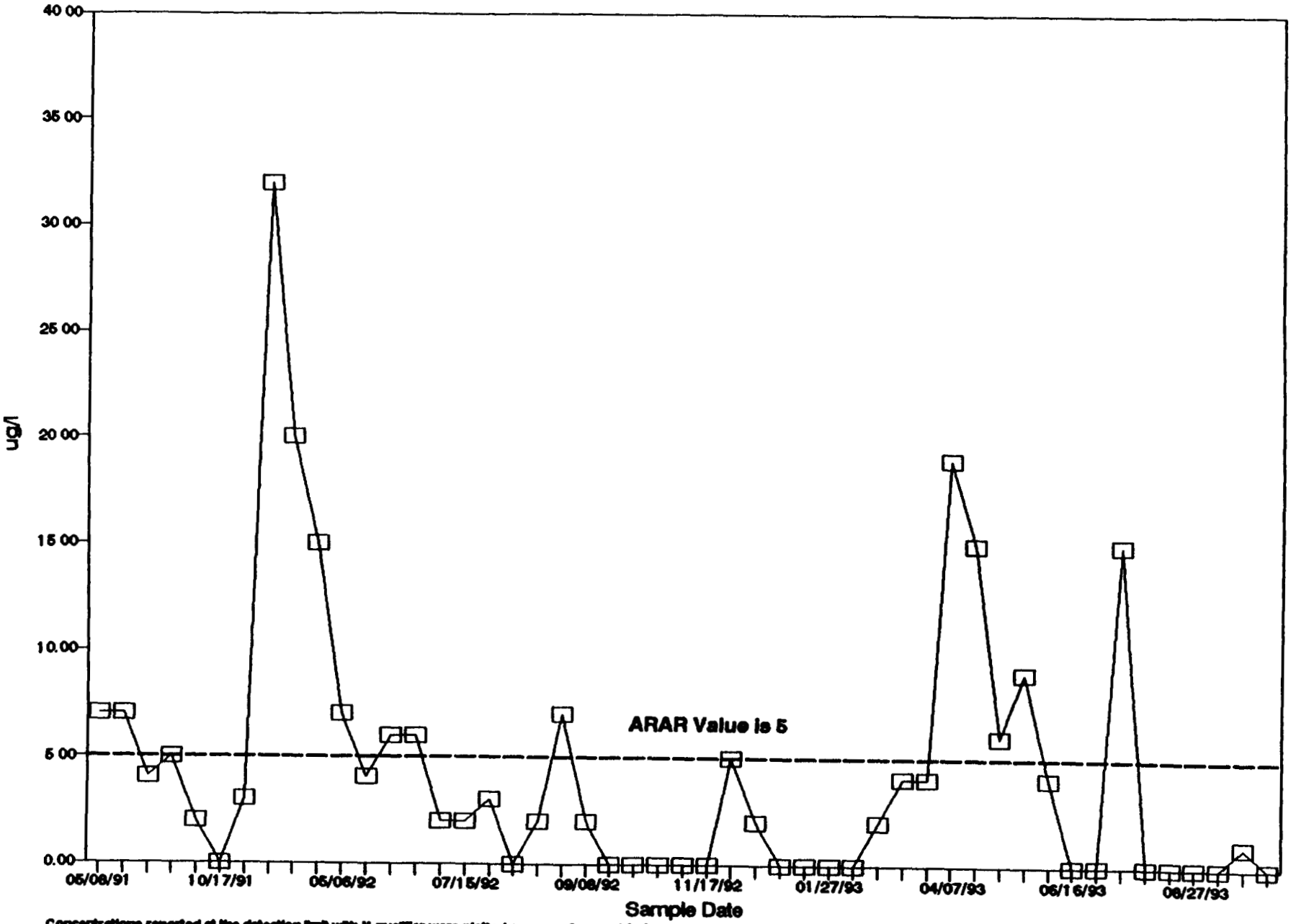
Concentrations reported at the detection limit with U qualifier were plotted as a zero for graphical purposes

Surface Water Station SW061
Vinyl Chloride Concentrations



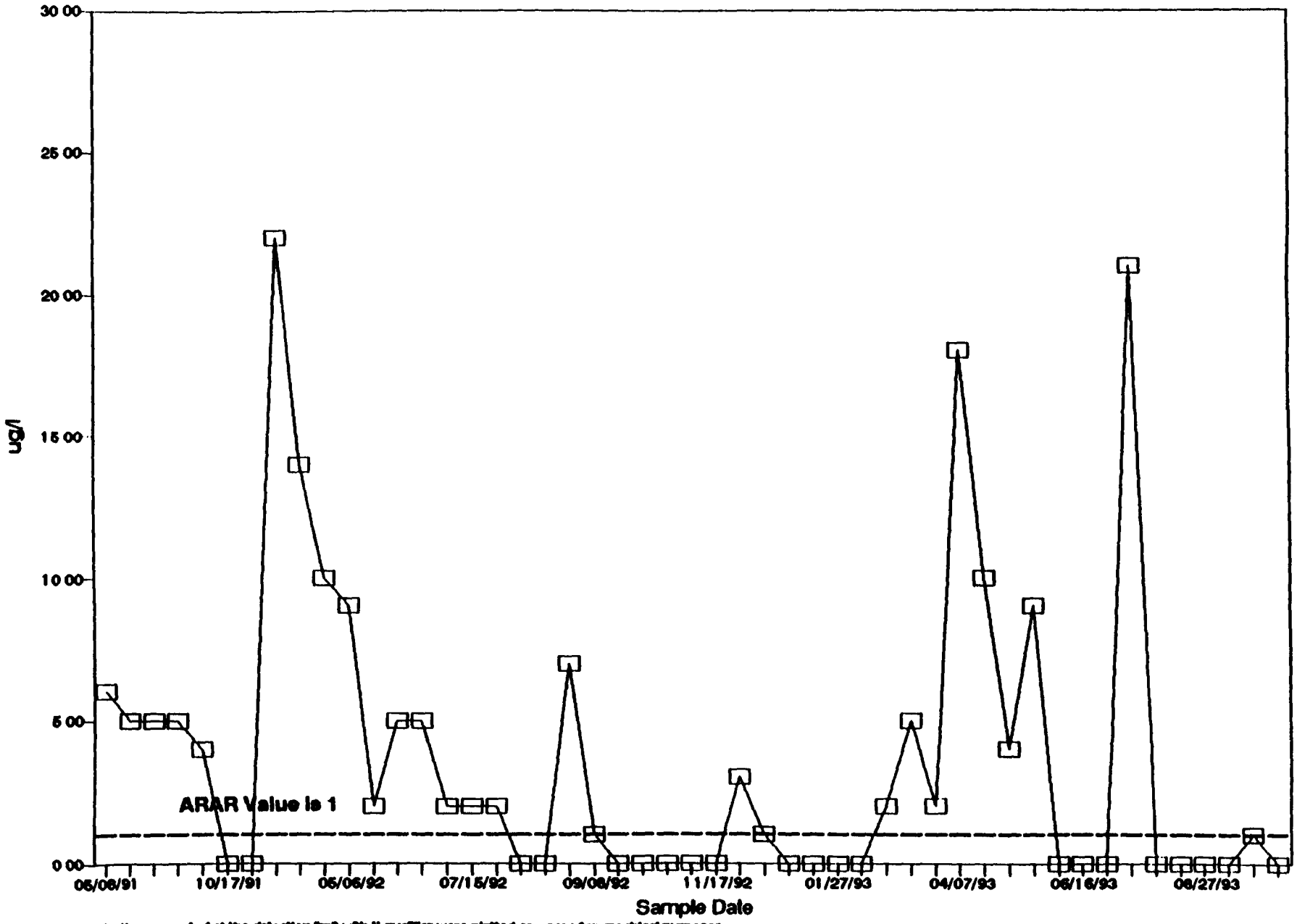
Concentrations reported at the detection limit with U qualifier were plotted as a zero for graphical purposes

Surface Water Station SW061
Trichloroethene Concentrations



Concentrations reported at the detection limit with U qualifier were plotted as a zero for graphical purposes

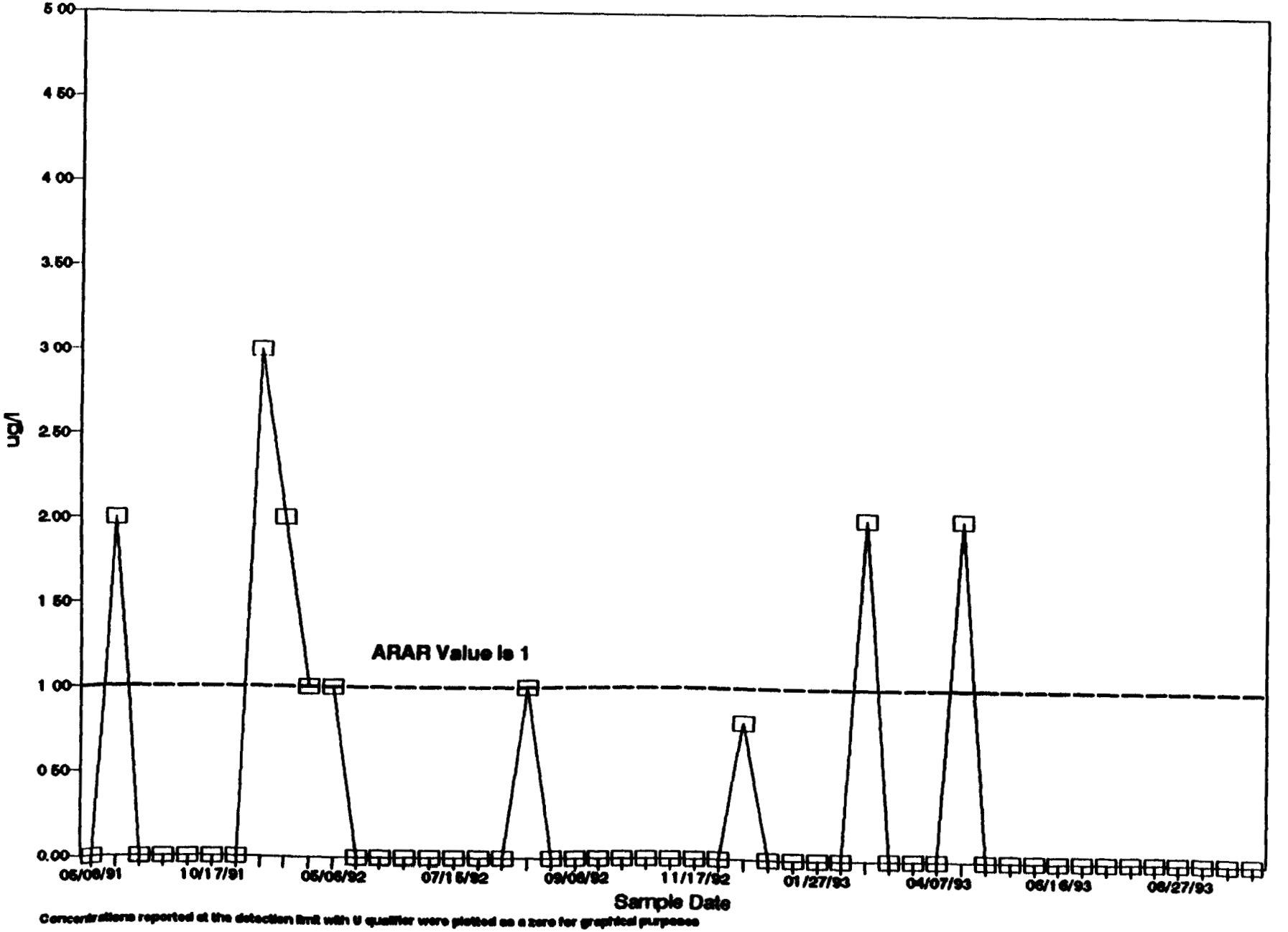
Surface Water Station SW061
Tetrachloroethene Concentrations



Concentrations eported at the detection limit with U qualifier were plotted as zero for graphical purposes

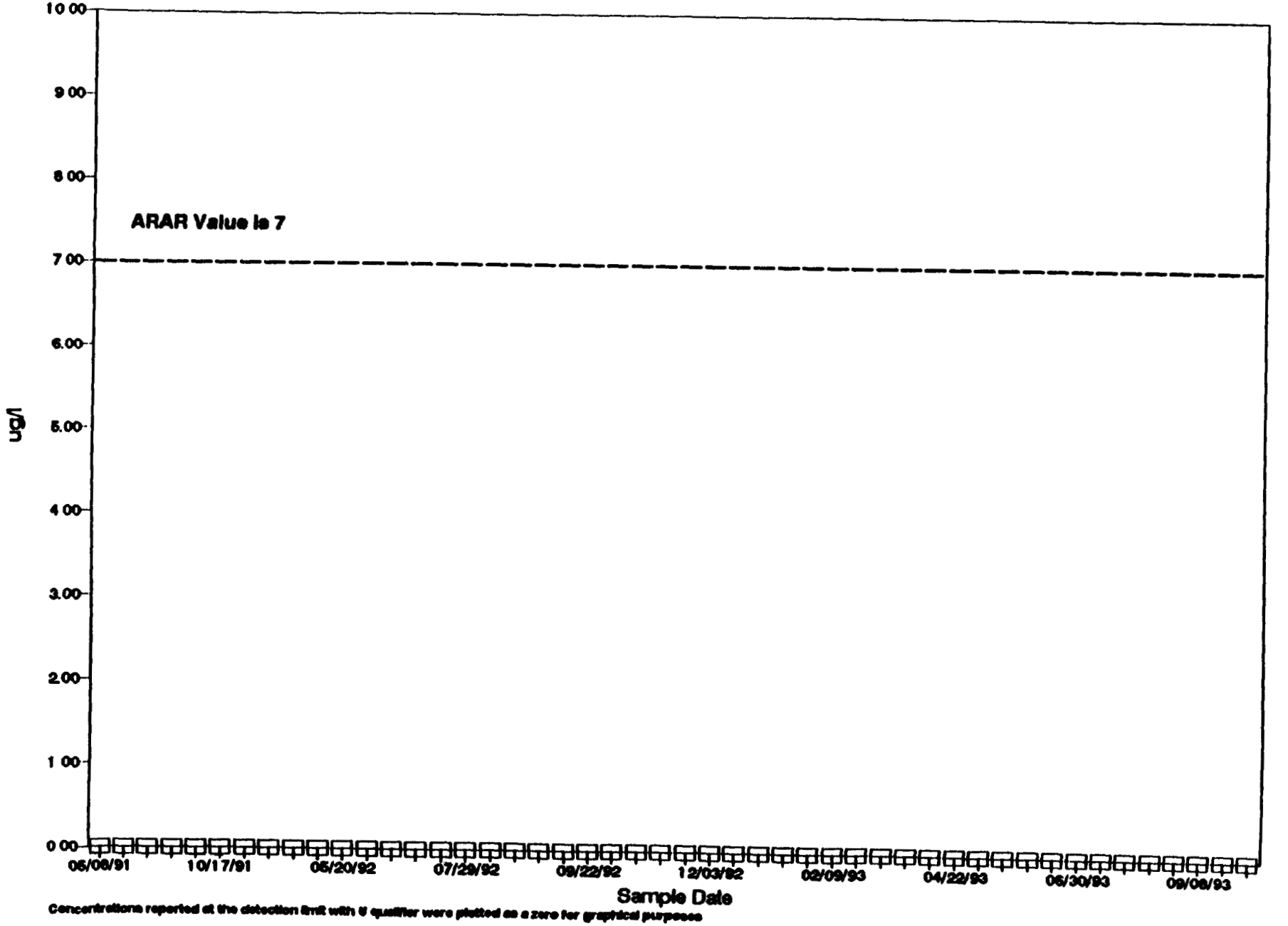
Concentrations reported at the detection limit with U qualifier were plotted as a zero for graphical purposes

Surface Water Station SW061
Chloroform Concentrations



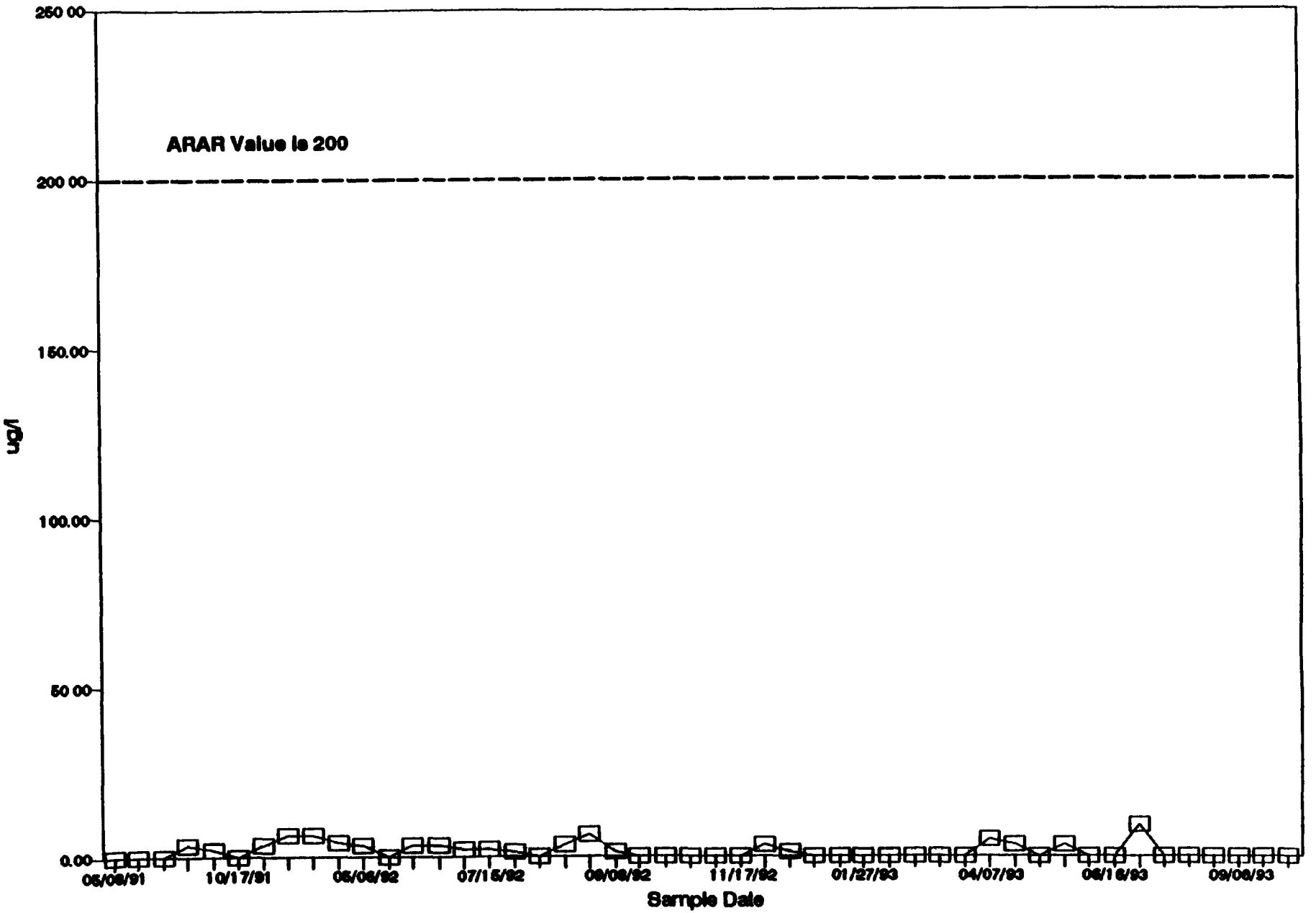
Concentrations reported at the detection limit with U qualifier were plotted as a zero for graphical purposes

Surface Water Station SW061
1,1-Dichloroethene Concentrations



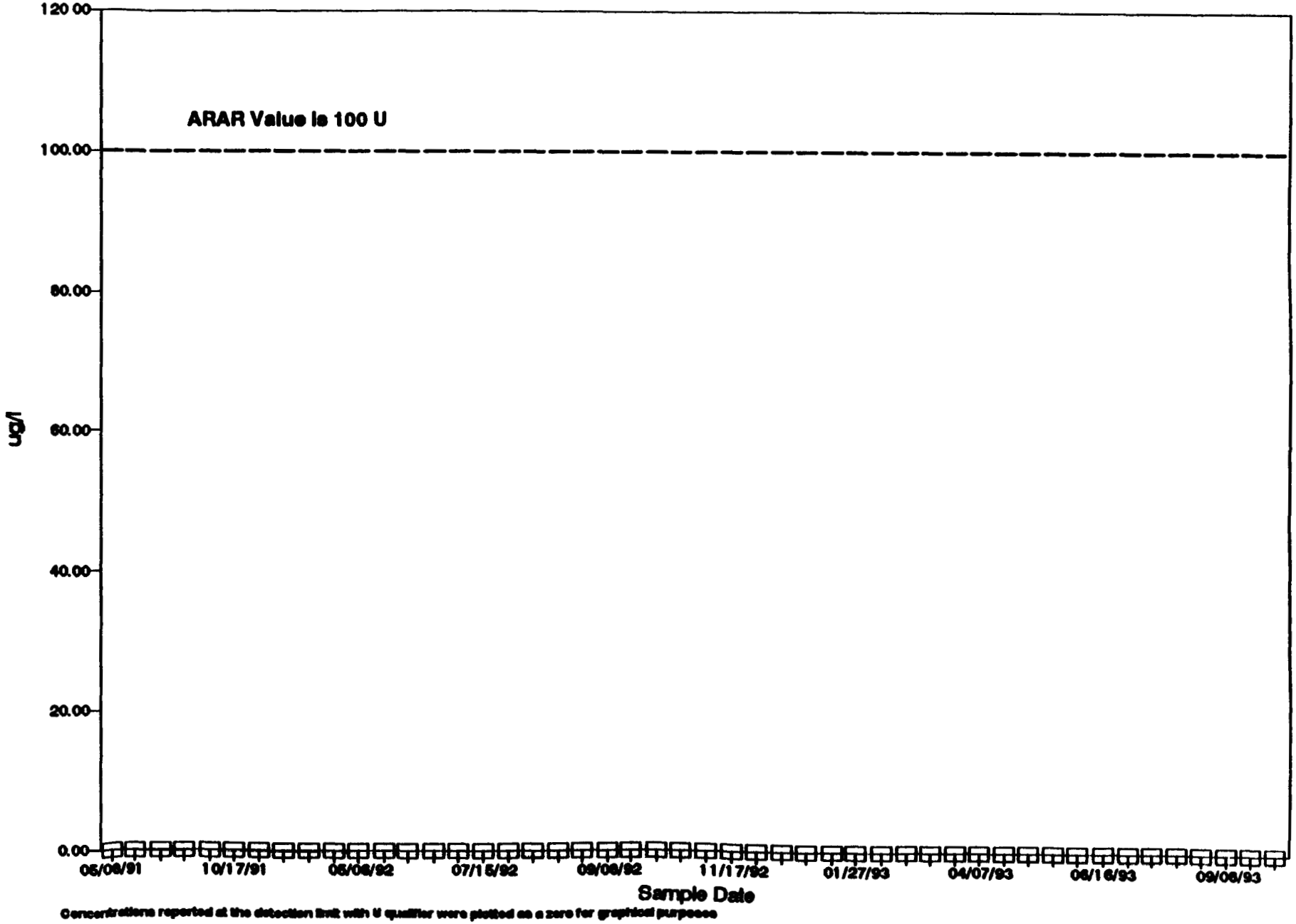
Concentrations reported at the detection limit with U qualifier were plotted as a zero for graphical purposes

Surface Water Station SW061
1,1,1-Trichloroethane Concentrations



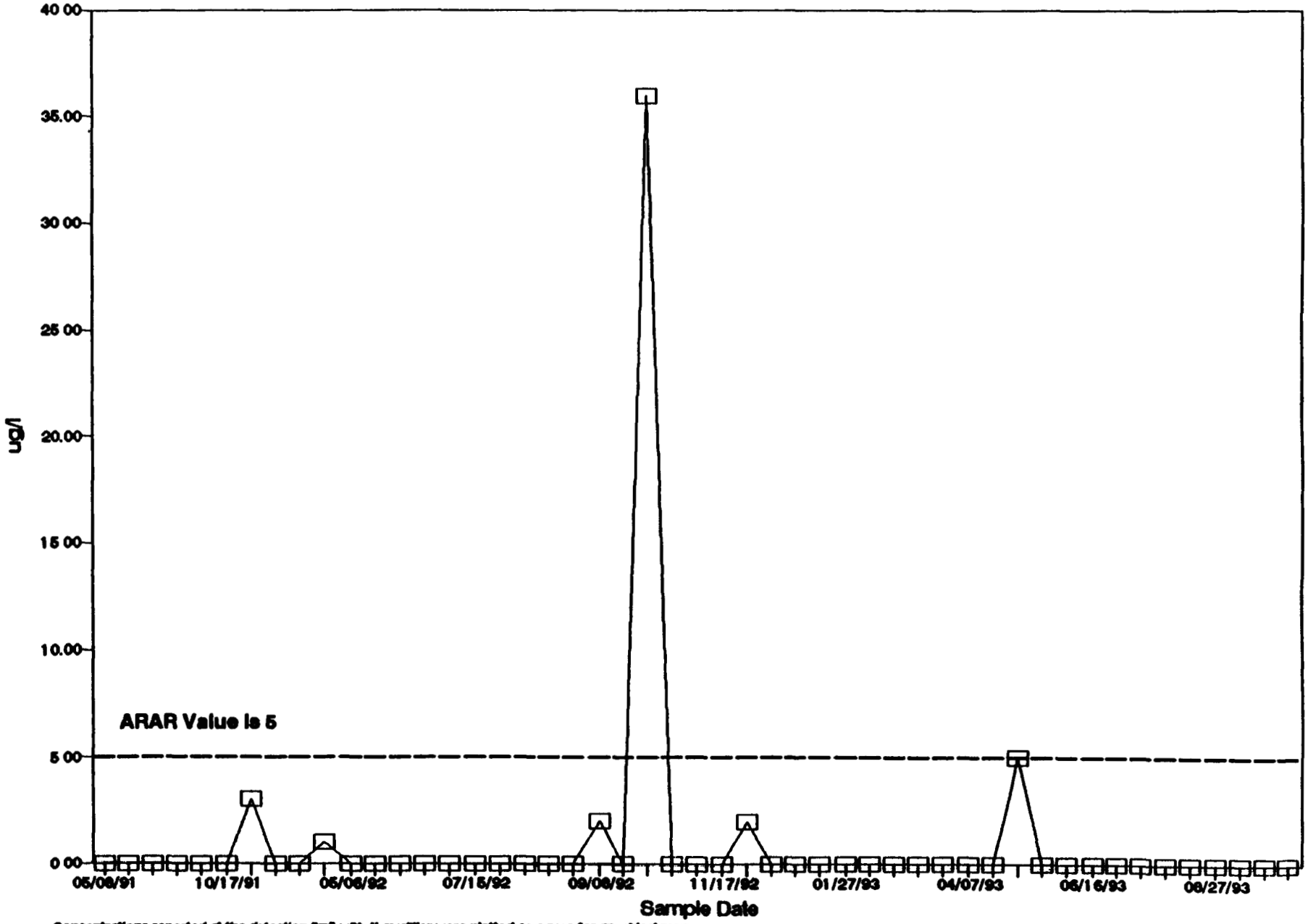
Concentrations reported at the detection limit with U qualifier were plotted as a zero for graphical purposes

Surface Water Station SW061
Bromodichloromethane Concentrations



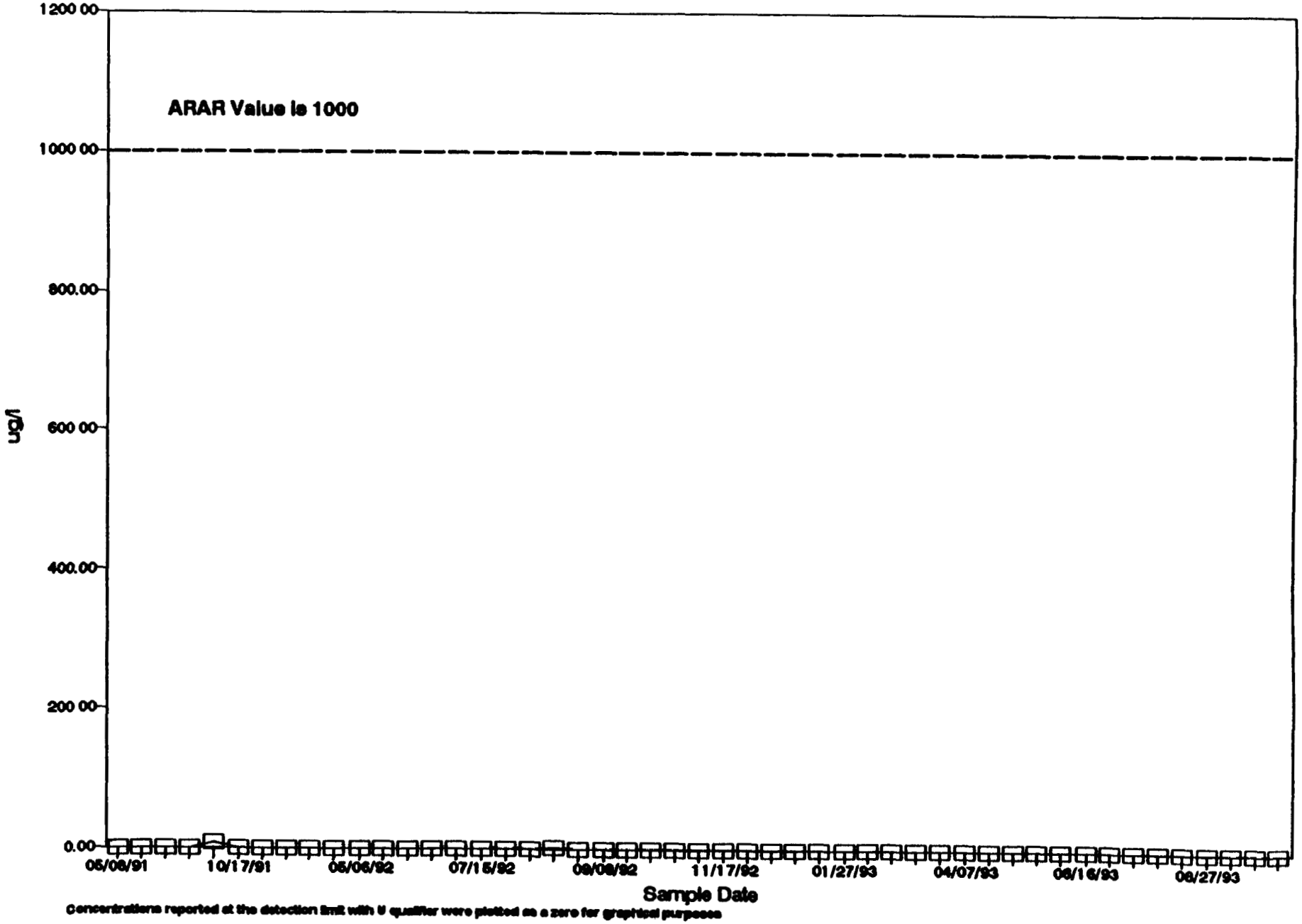
Concentrations reported at the detection limit with U qualifier were plotted as a zero for graphical purposes

Surface Water Station SW061
Methylene Chloride Concentrations



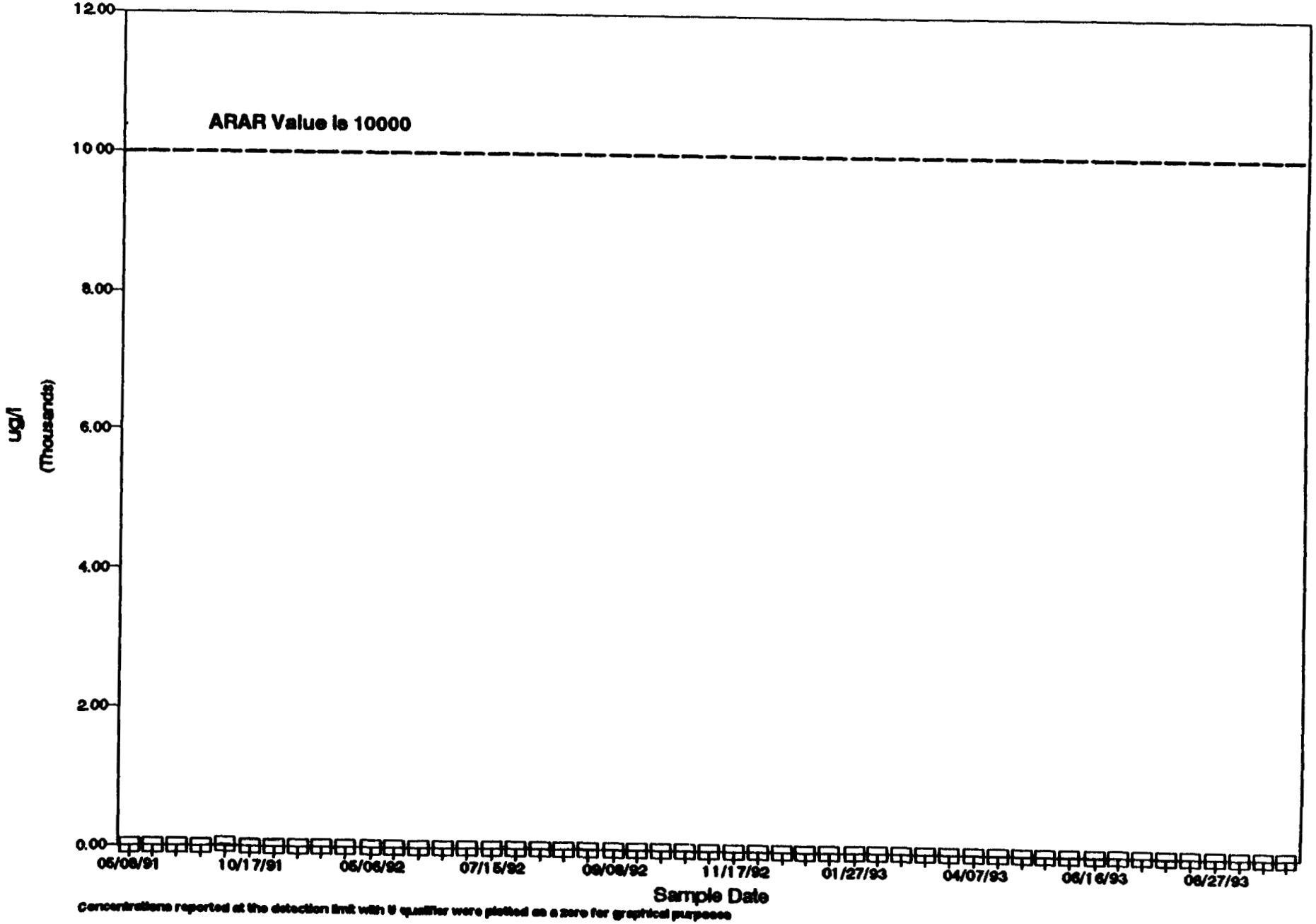
Concentrations reported at the detection limit with U qualifier were plotted as a zero for graphical purposes

Surface Water Station SW061
Toluene Concentrations



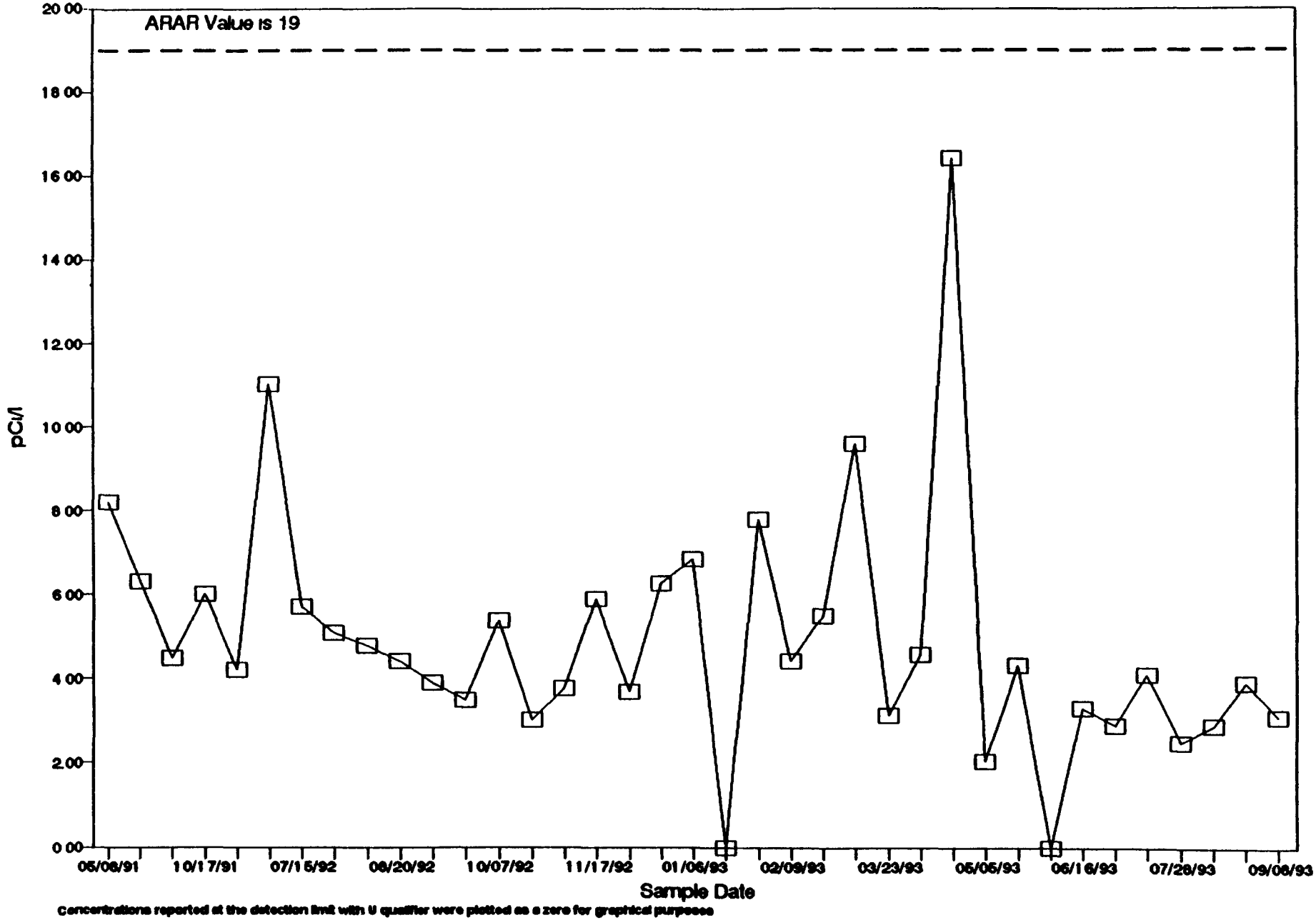
Concentrations reported at the detection limit with U qualifier were plotted as a zero for graphical purposes

Surface Water Station SW061
Total Xylenes Concentrations



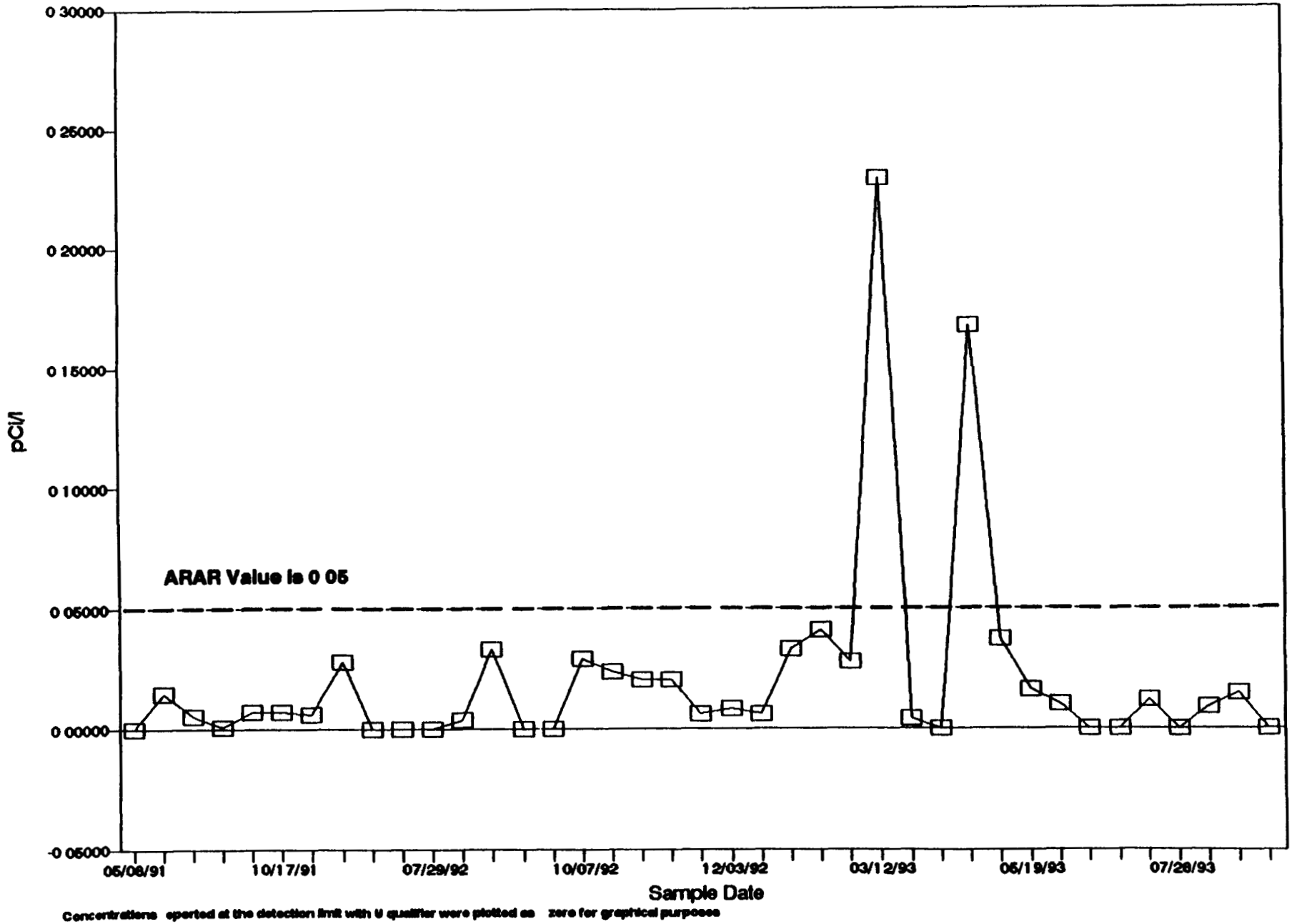
Concentrations reported at the detection limit with U qualifier were plotted as a zero for graphical purposes

Surface Water Station SW061
Gross Beta Activities



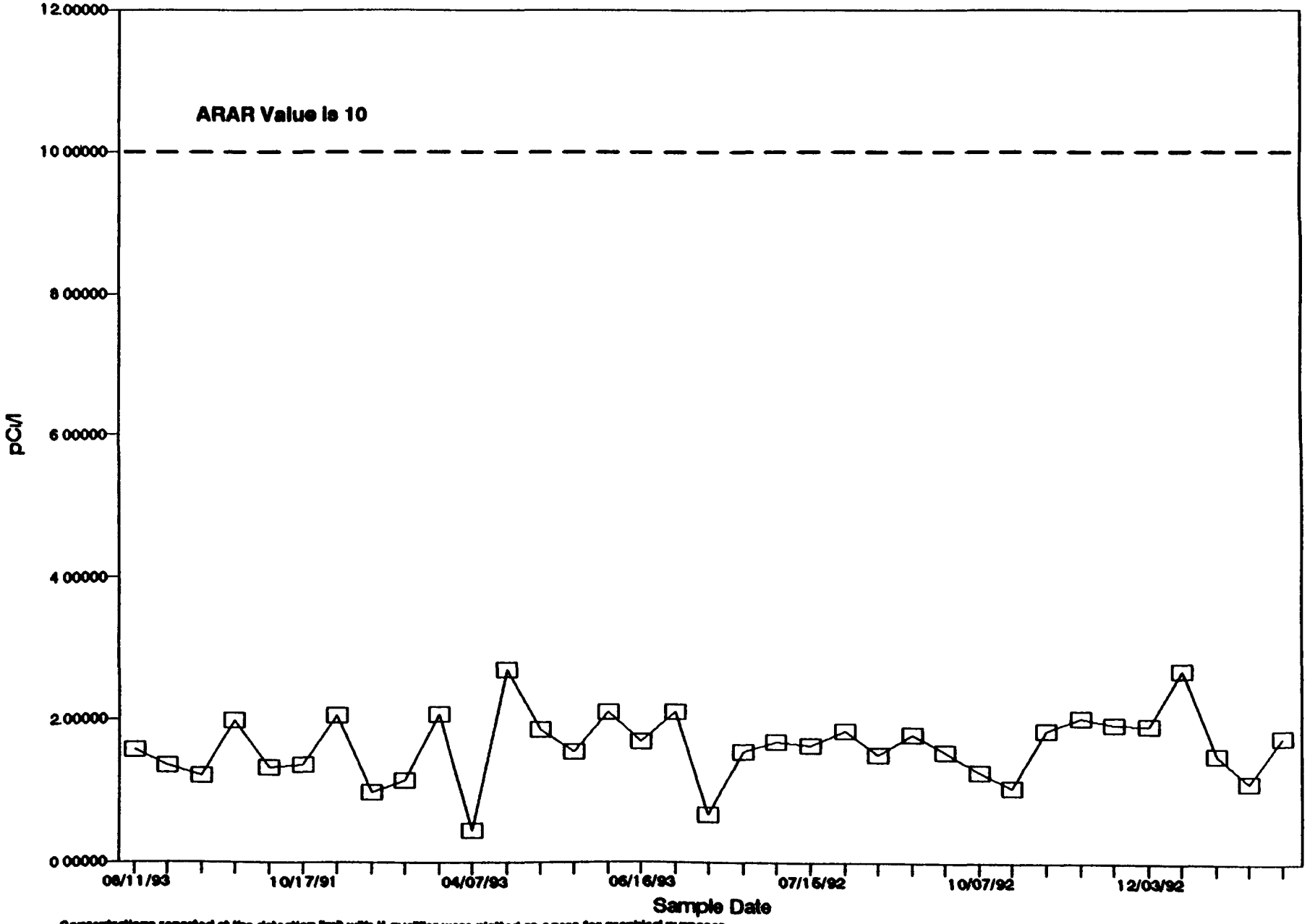
Concentrations reported at the detection limit with U qualifier were plotted as a zero for graphical purposes

Surface Water Station SW061
Total Plutonium-239,-240 Activities



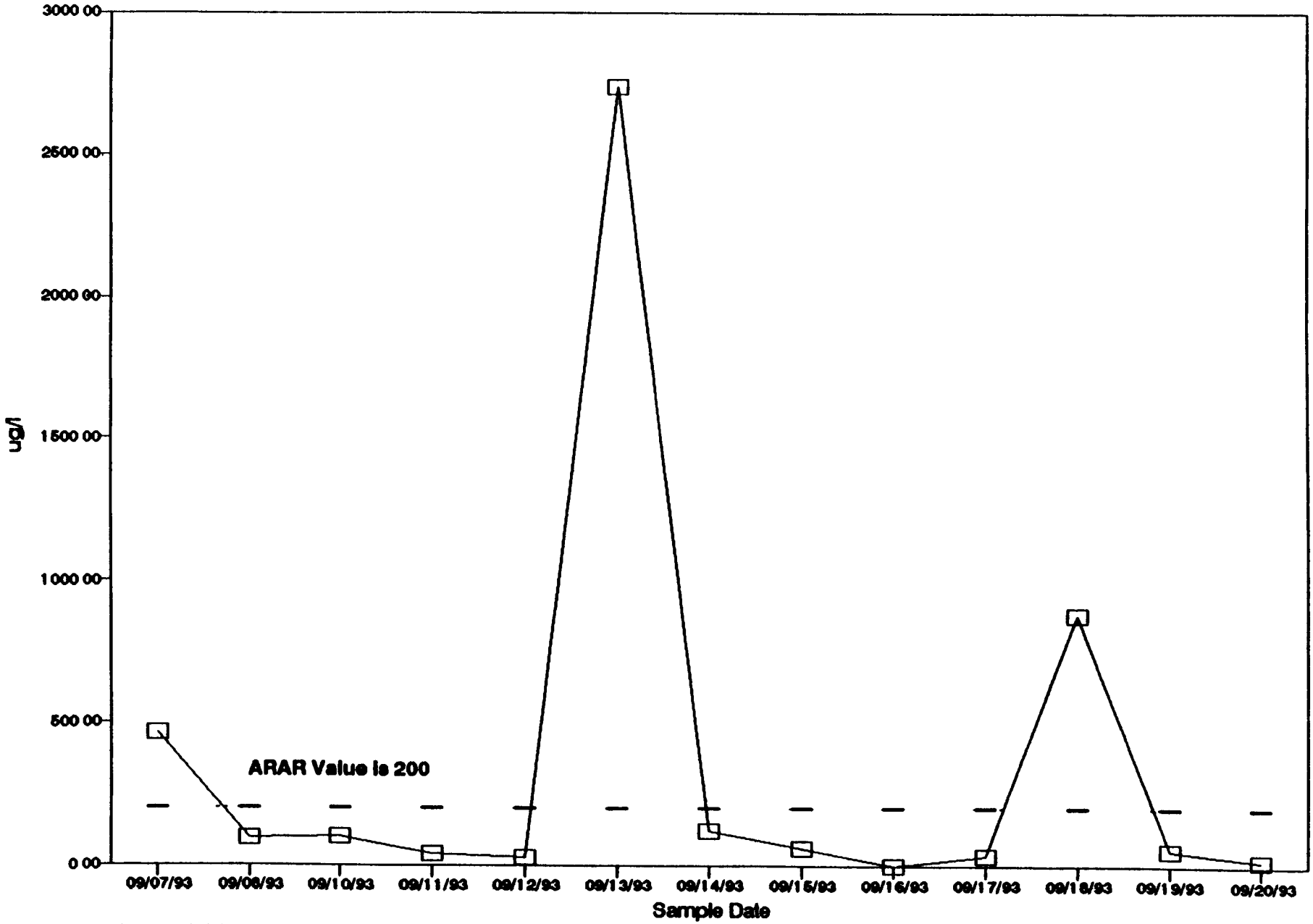
Concentrations reported at the detection limit with U qualifier were plotted as zero for graphical purposes

Surface Water Station SW061
Total Uranium (Total) Activities



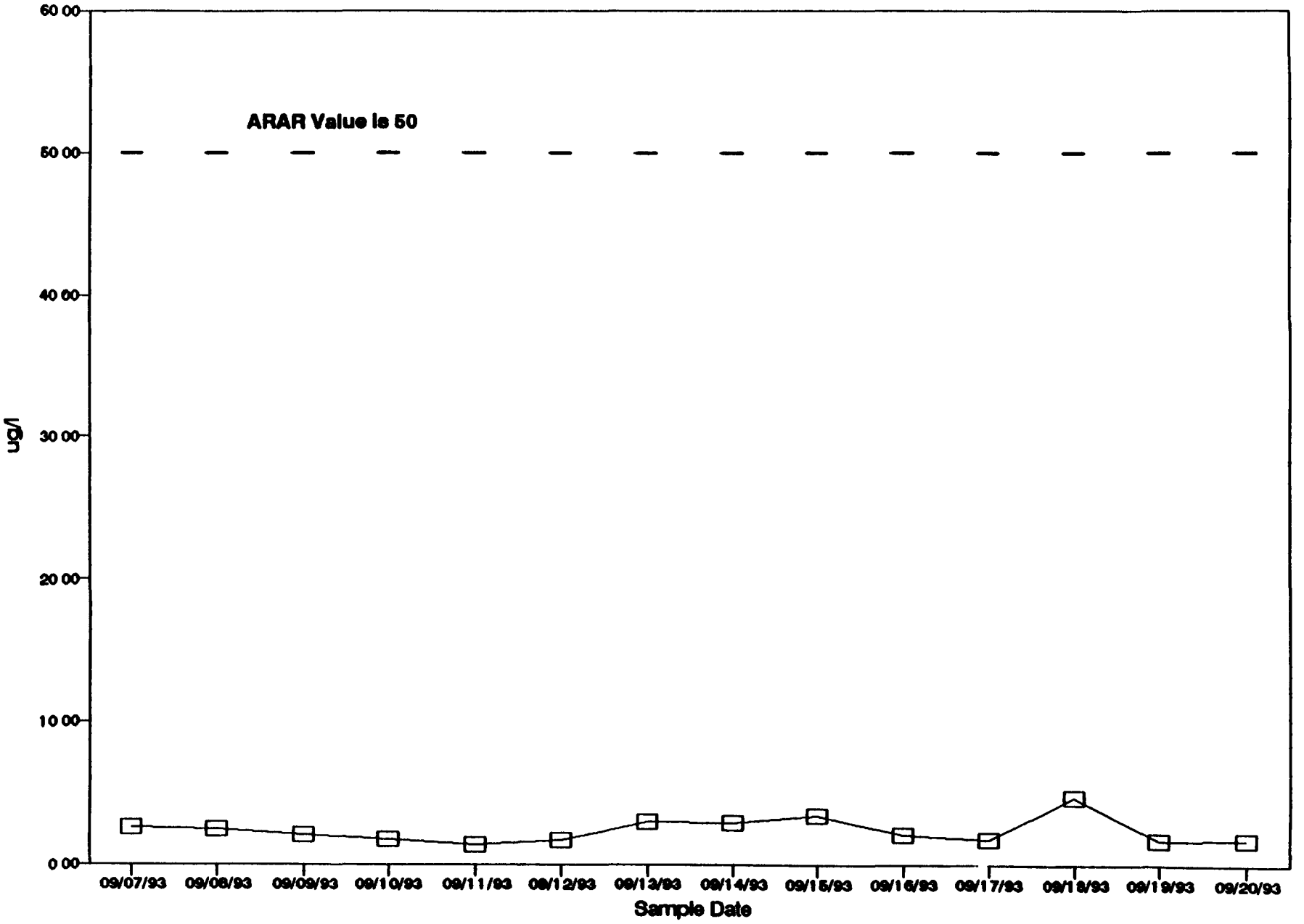
Concentrations reported at the detection limit with U qualifier were plotted as a zero for graphical purposes

Surface Water Station SW132
Total Aluminum Concentrations



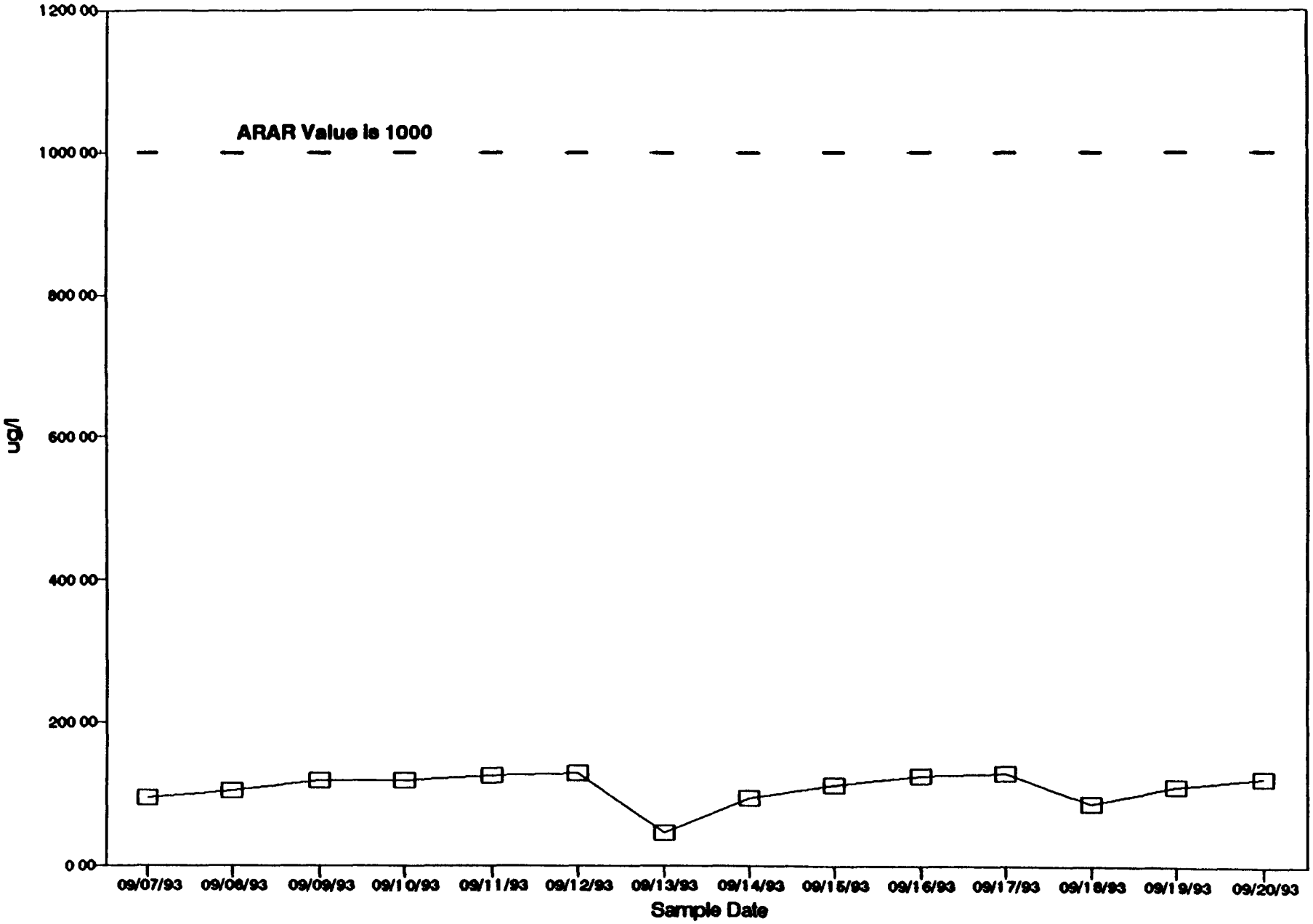
Concentrations reported at the detection limit with U qualifier were plotted as a zero for graphical purposes

Surface Water Station SW132
Total Arsenic Concentrations



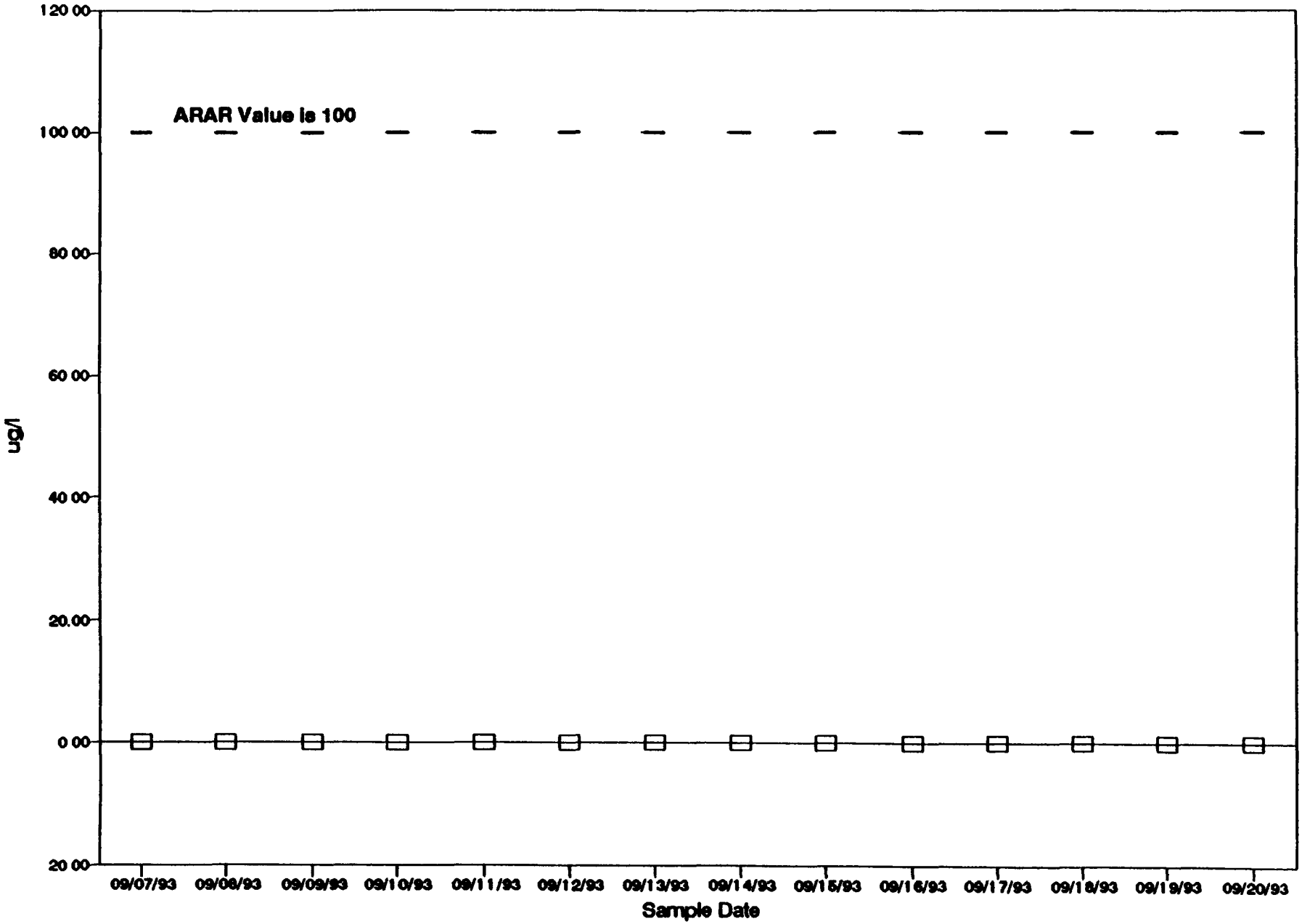
Concentrations reported at the detection limit with U qualifier were plotted as a zero for graphical purposes

Surface Water Station SW132
Total Barium Concentrations



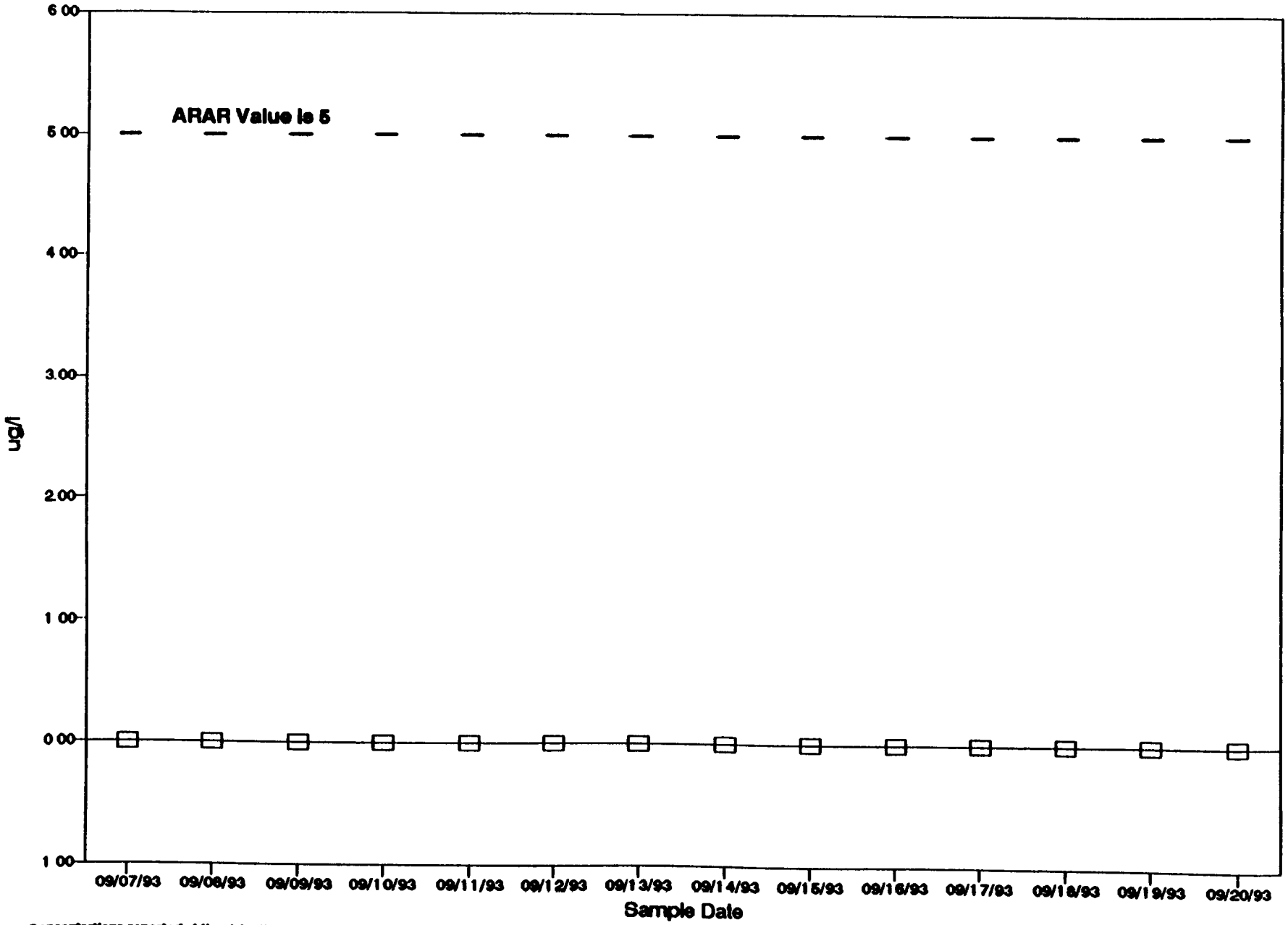
Concentrations reported at the detection limit with U qualifier were plotted as a zero for graphical purposes

Surface Water Station SW132
Total Beryllium Concentrations



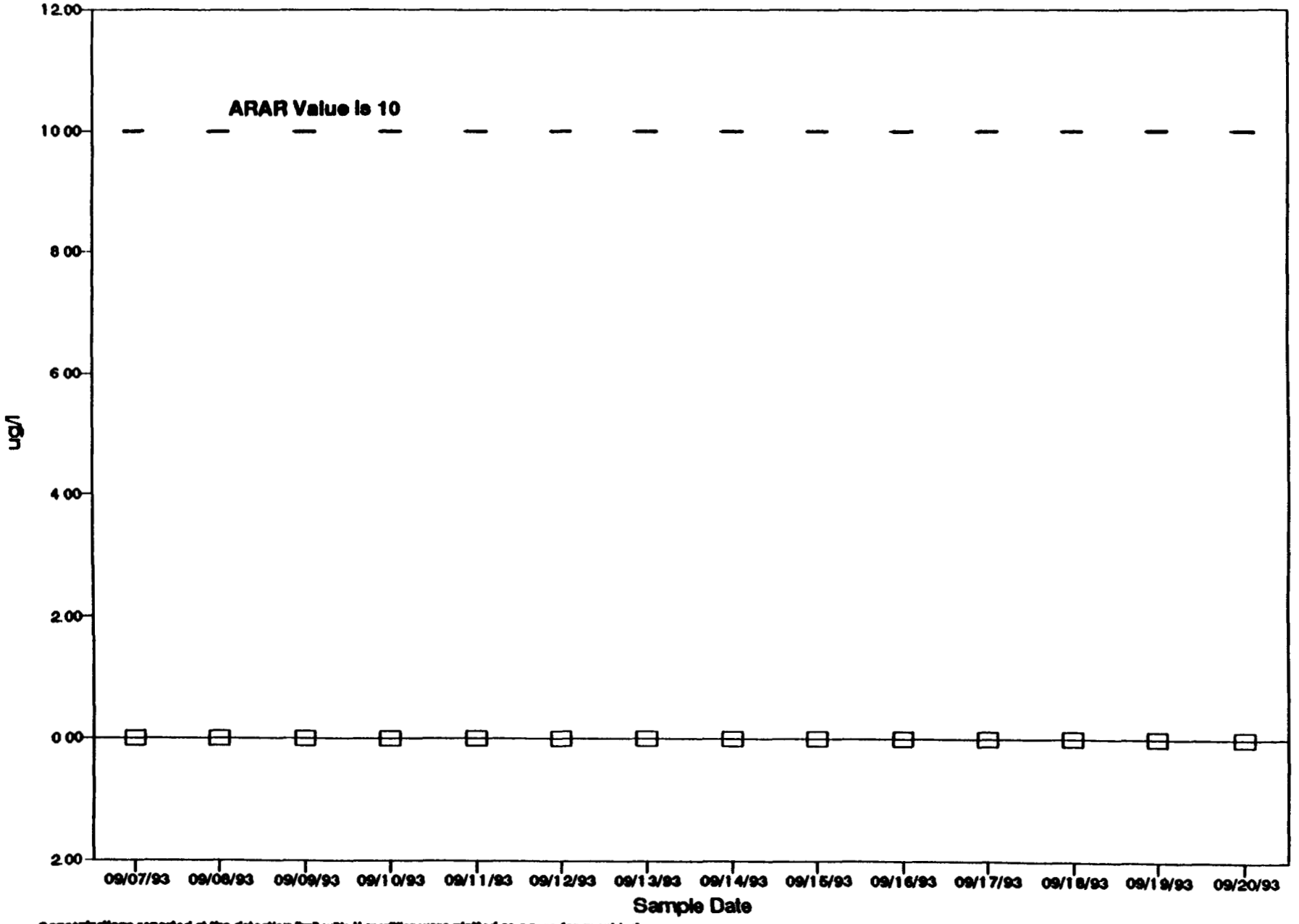
Concentrations reported at the detection limit with U qualifier were plotted as a zero for graphical purposes

Surface Water Station SW132
Total Cadmium Concentrations



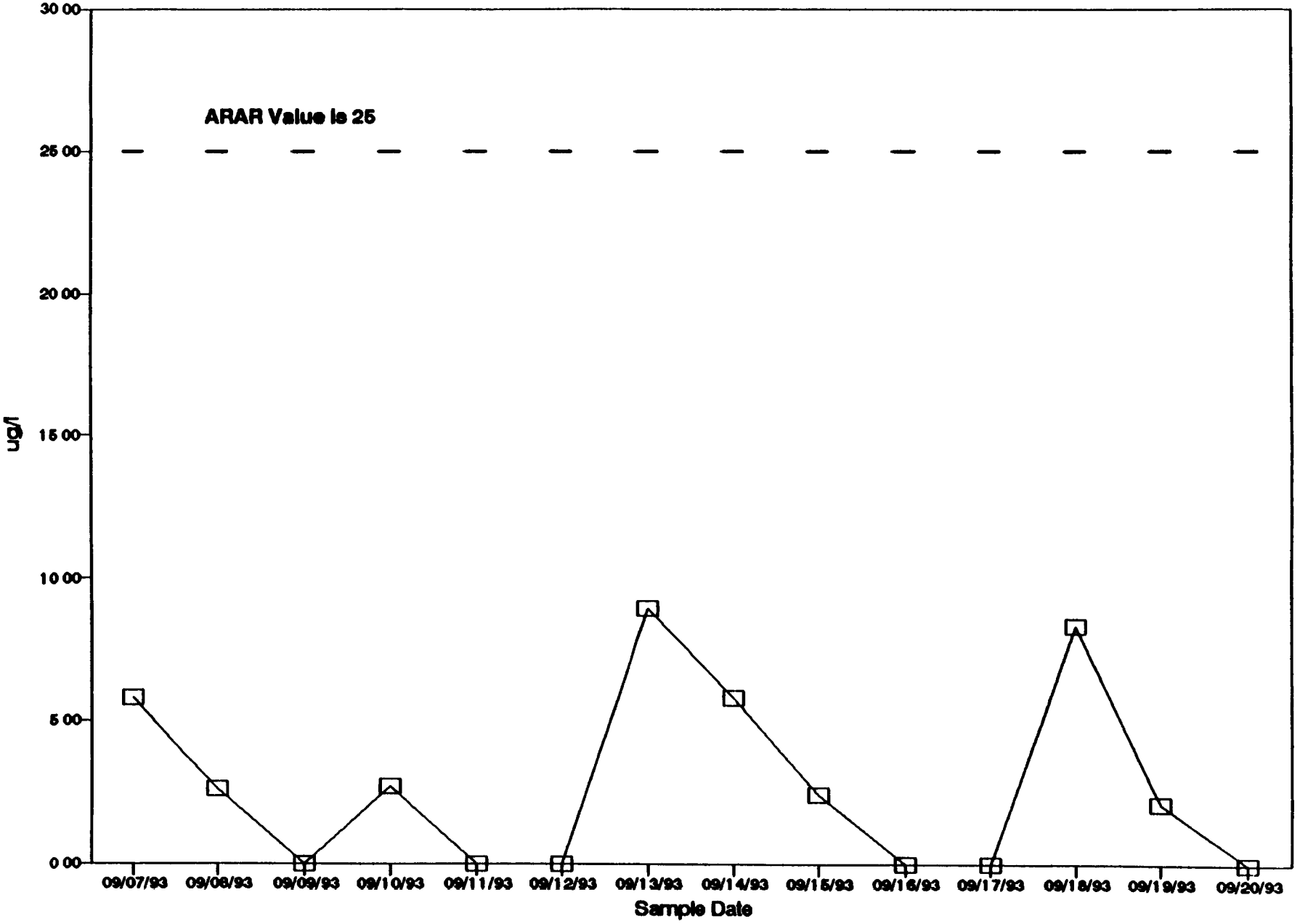
Concentrations reported at the detection limit with U qualifier were plotted as a zero for graphical purposes

Surface Water Station SW132
Total Chromium Concentrations



Concentrations reported at the detection limit with U qualifier were plotted as a zero for graphical purposes

Surface Water Station SW132
Total Copper Concentrations

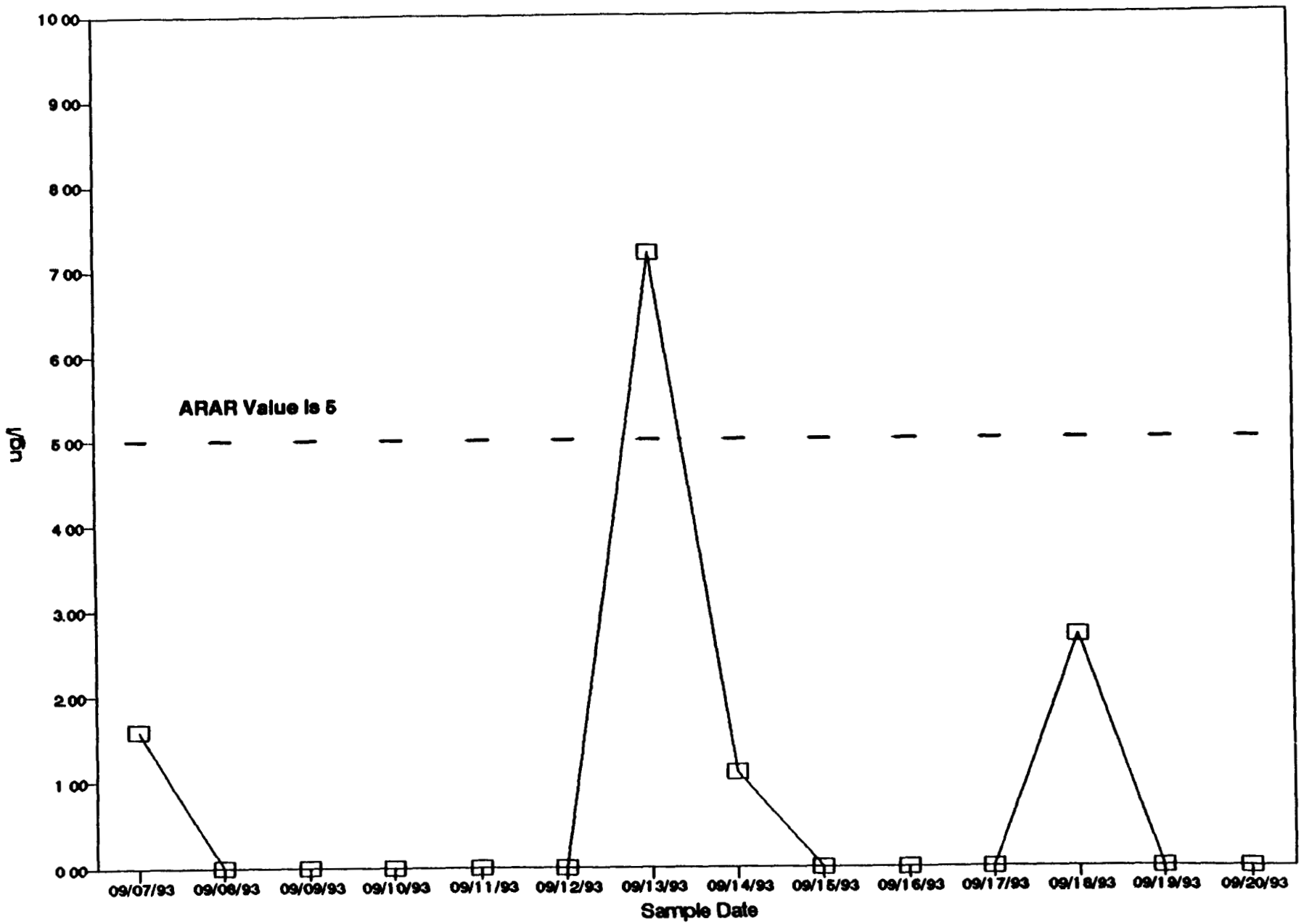


Concentrations reported at the detection limit with U qualifier were plotted as a zero for graphical purposes

Appendix C-3

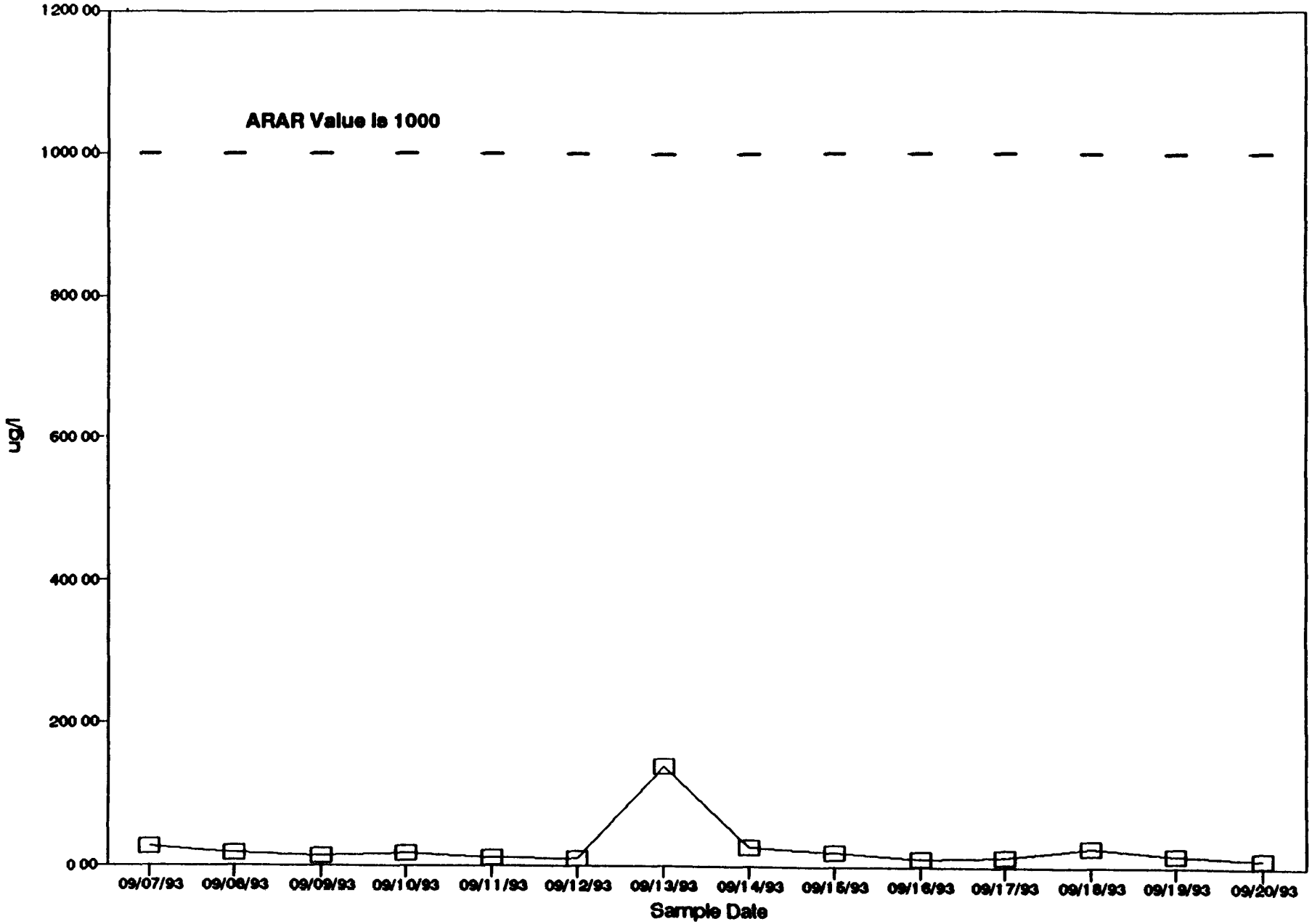
Surface Water Volatile Organic Compounds Data

Surface Water Station SW132
Total Lead Concentrations



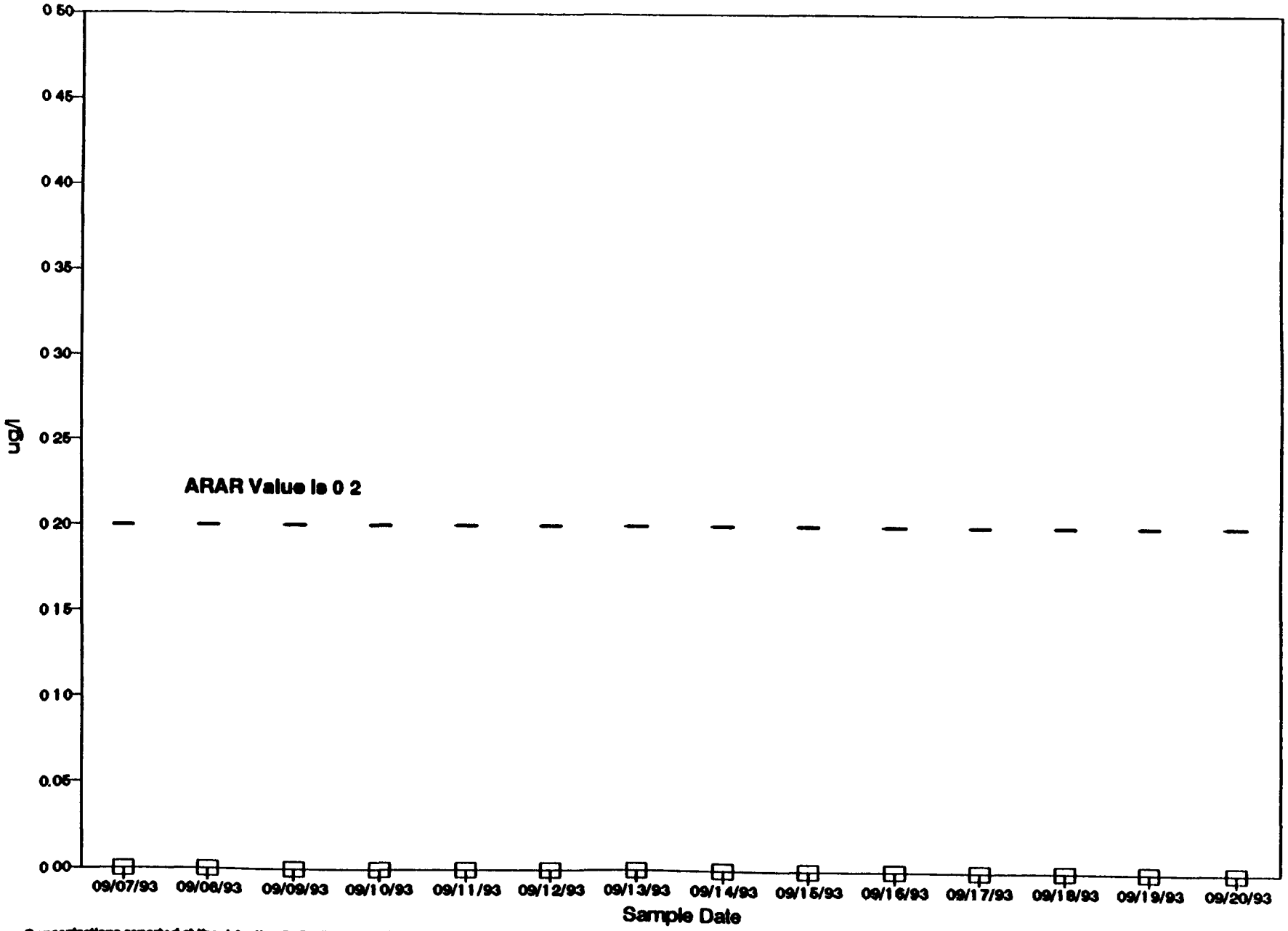
Concentrations reported at the detection limit with U qualifier were plotted as a zero for graphical purposes

Surface Water Station SW132
Total Manganese Concentrations



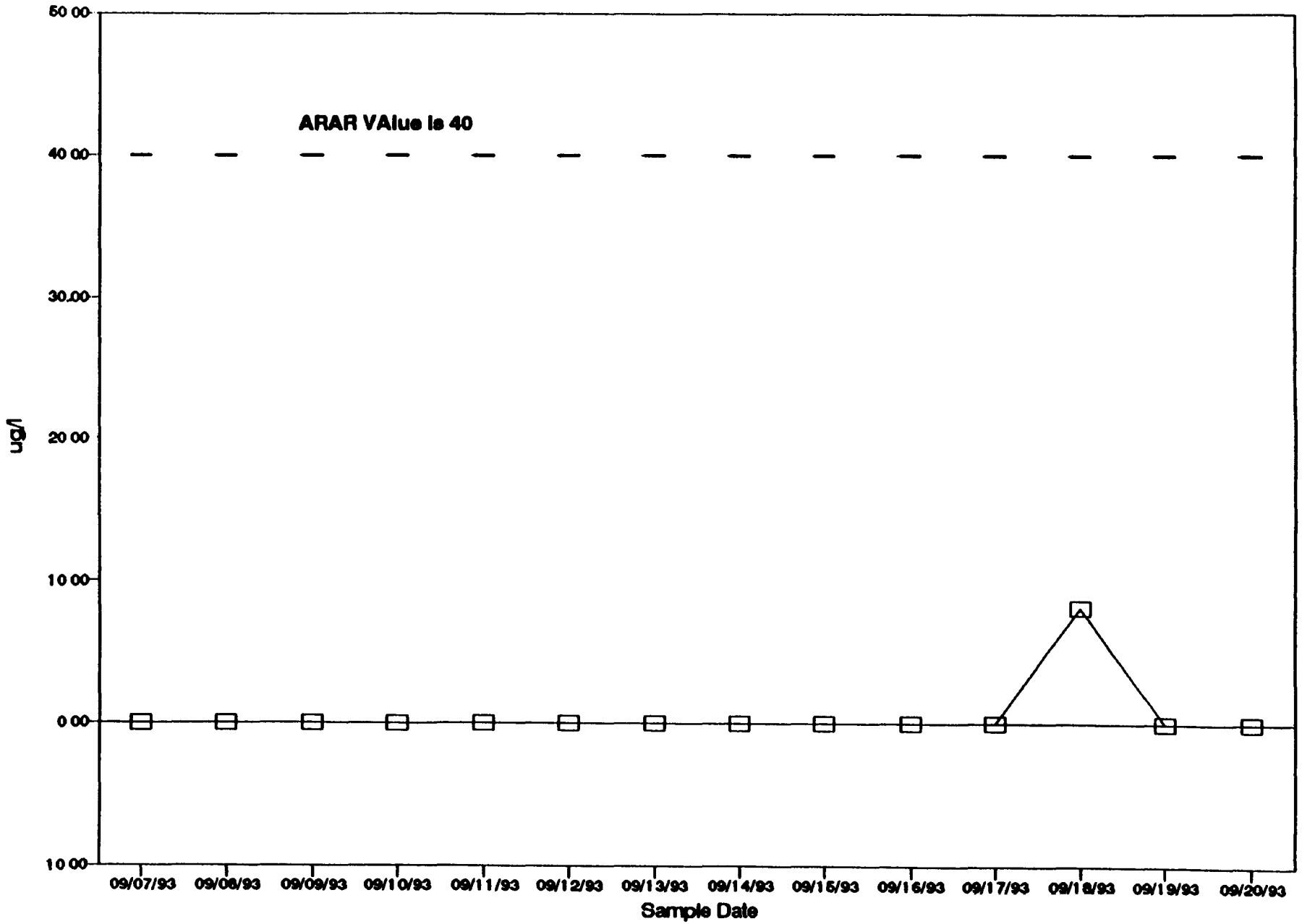
Concentrations reported at the detection limit with U qualifier were plotted as a zero for graphical purposes

Surface Water Station SW132
Total Mercury Concentrations



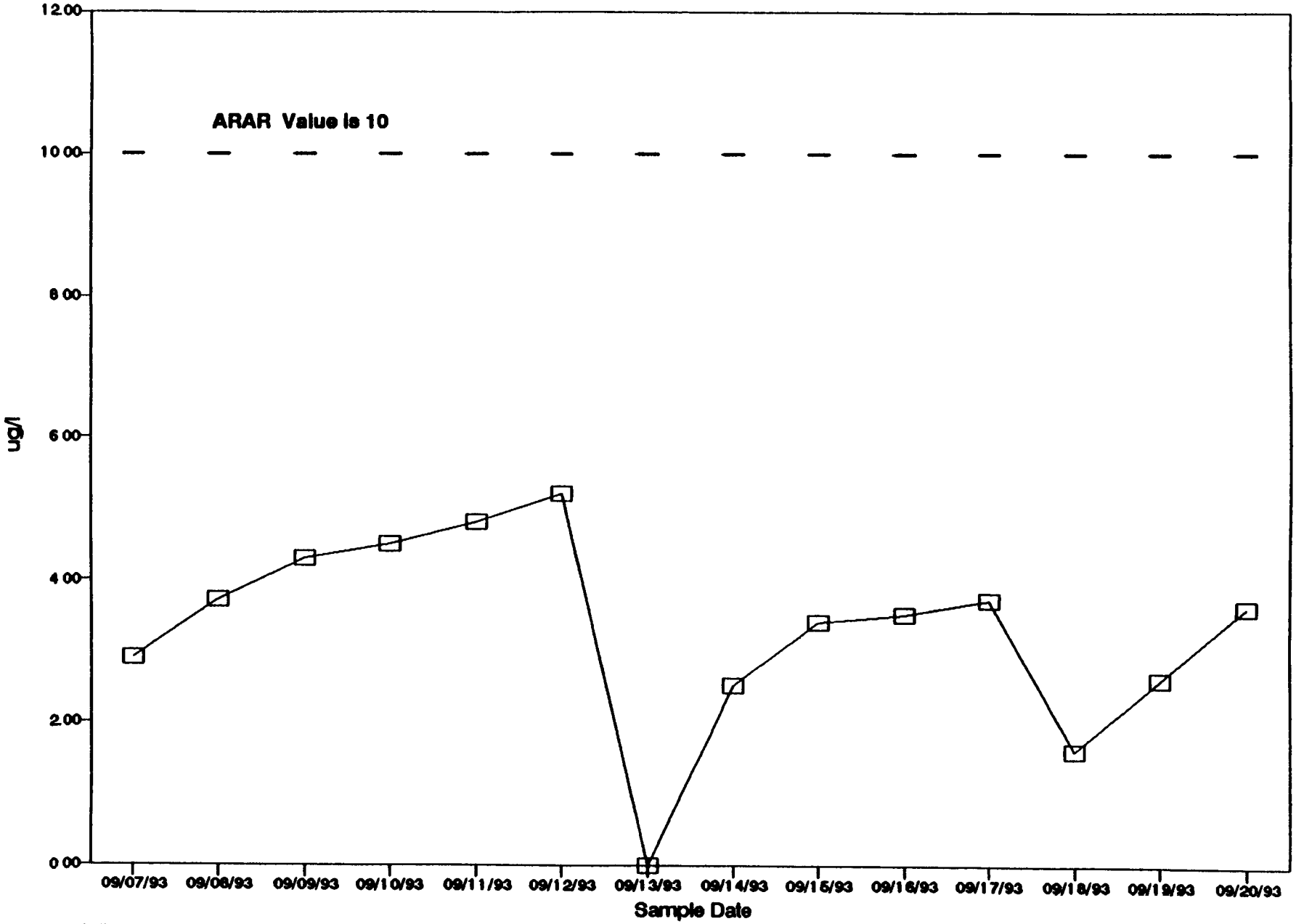
Concentrations reported at the detection limit with U qualifier were plotted as a zero for graphical purposes

Surface Water Station SW132
Total Nickel Concentrations



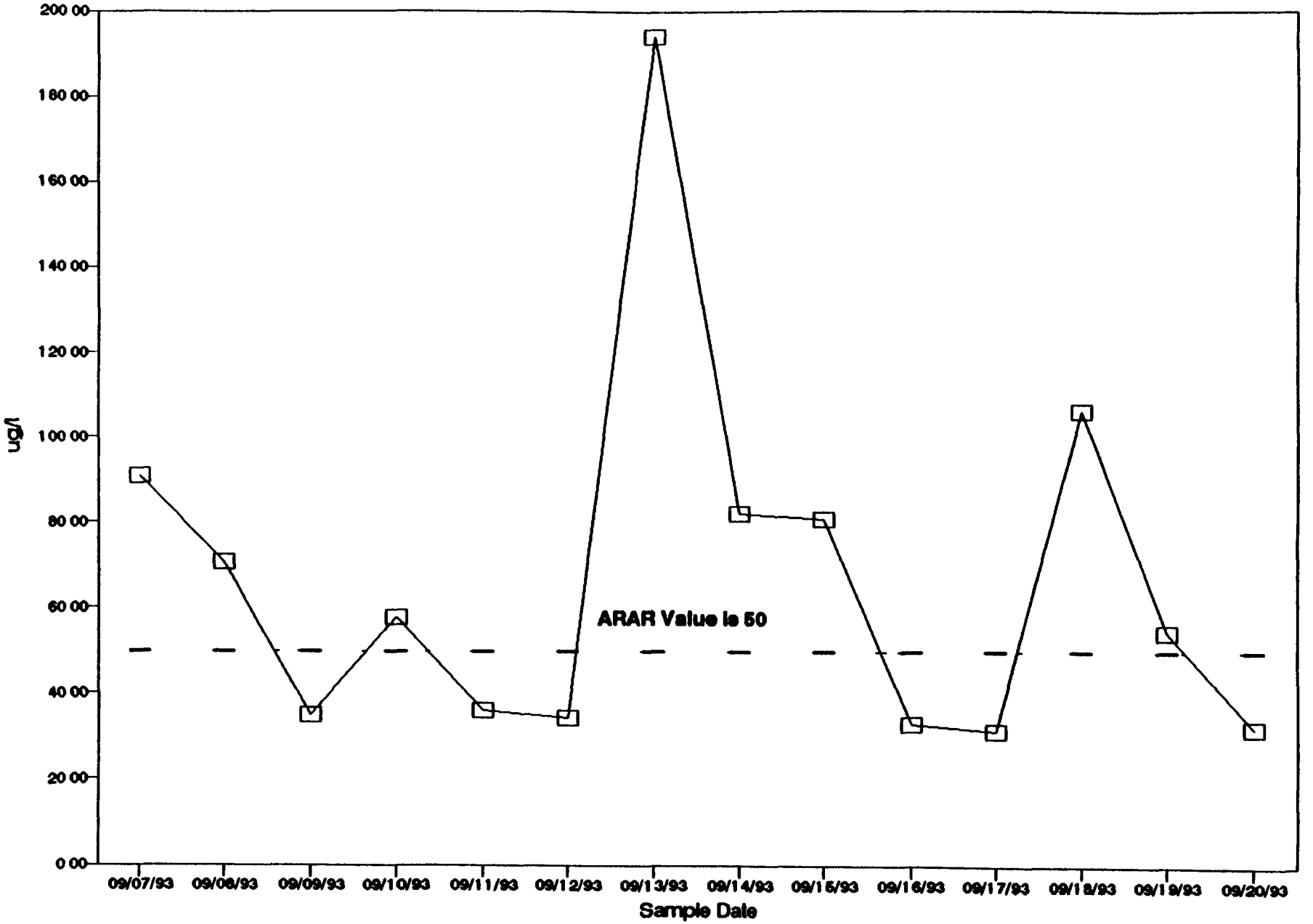
Concentrations eported at the detection limit with U qualifier were plotted as a zero for graphical purposes

Surface Water Station SW132
Total Selenium Concentrations



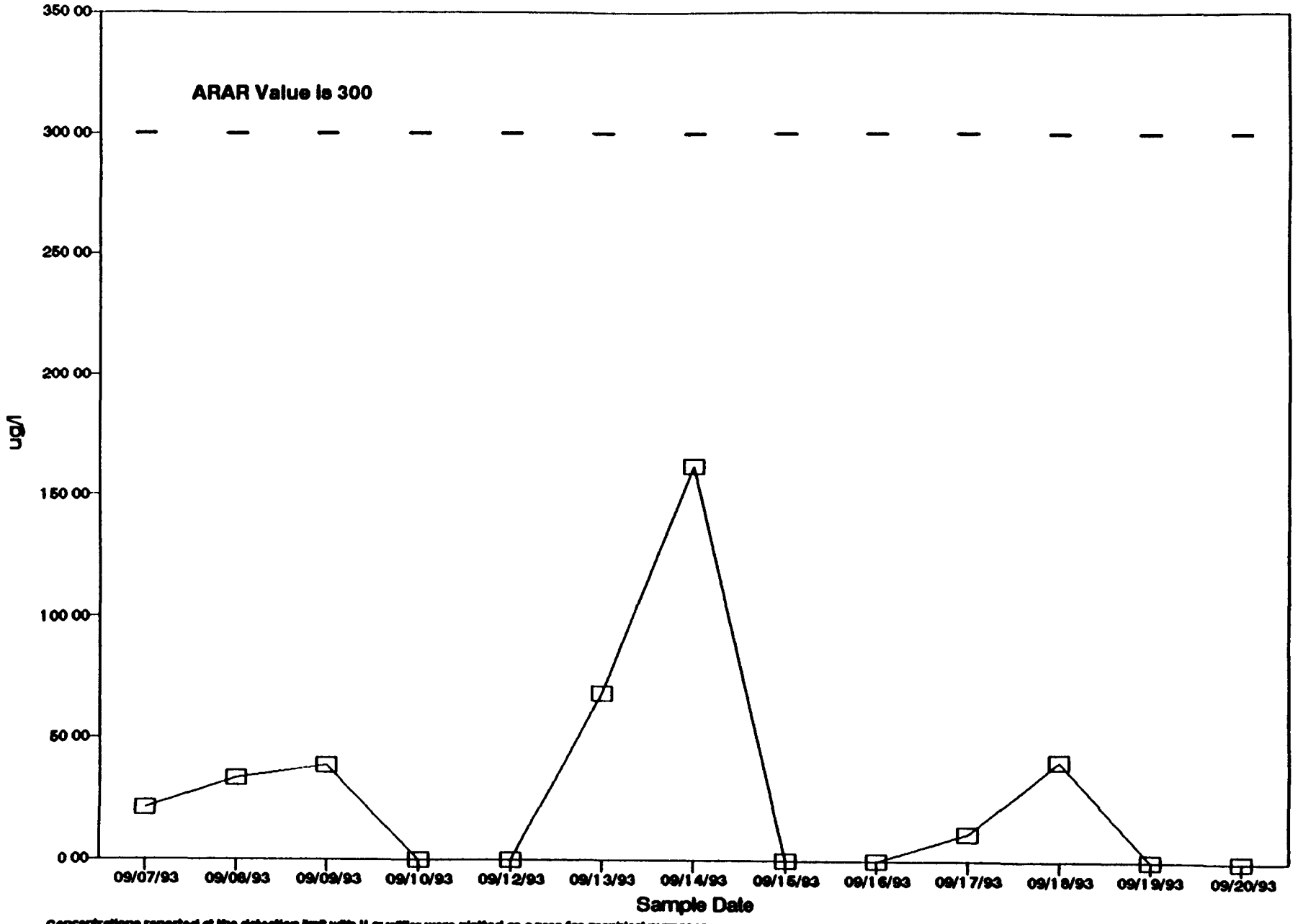
Concentrations reported at the detection limit with U qualifier were plotted as a zero for graphical purposes

Surface Water Station SW132
Total Zinc Concentrations



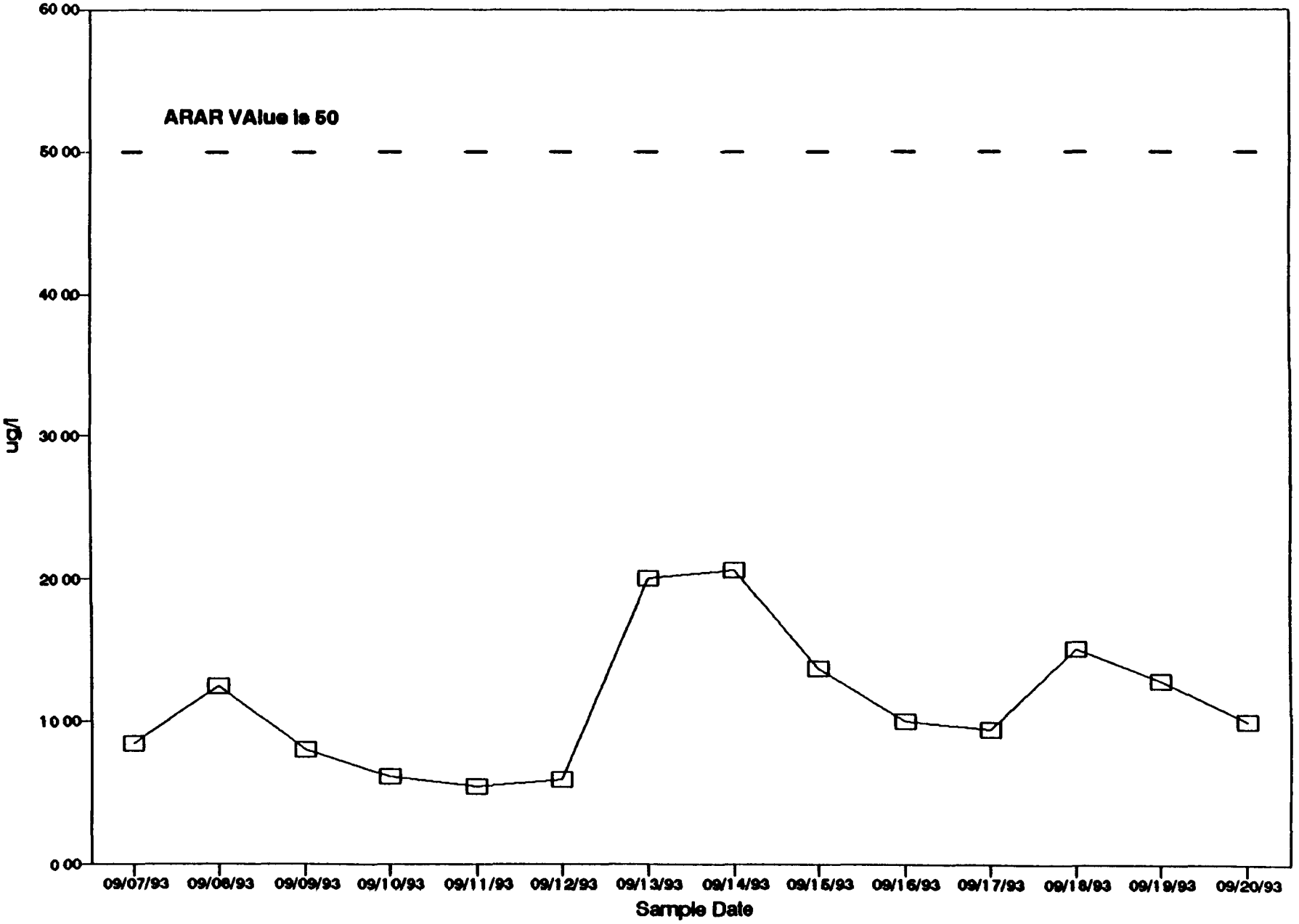
Concentrations reported at the detection limit with U qualifier were plotted as a zero for graphical purposes

Surface Water Station SW132
Filtered Zinc Concentrations



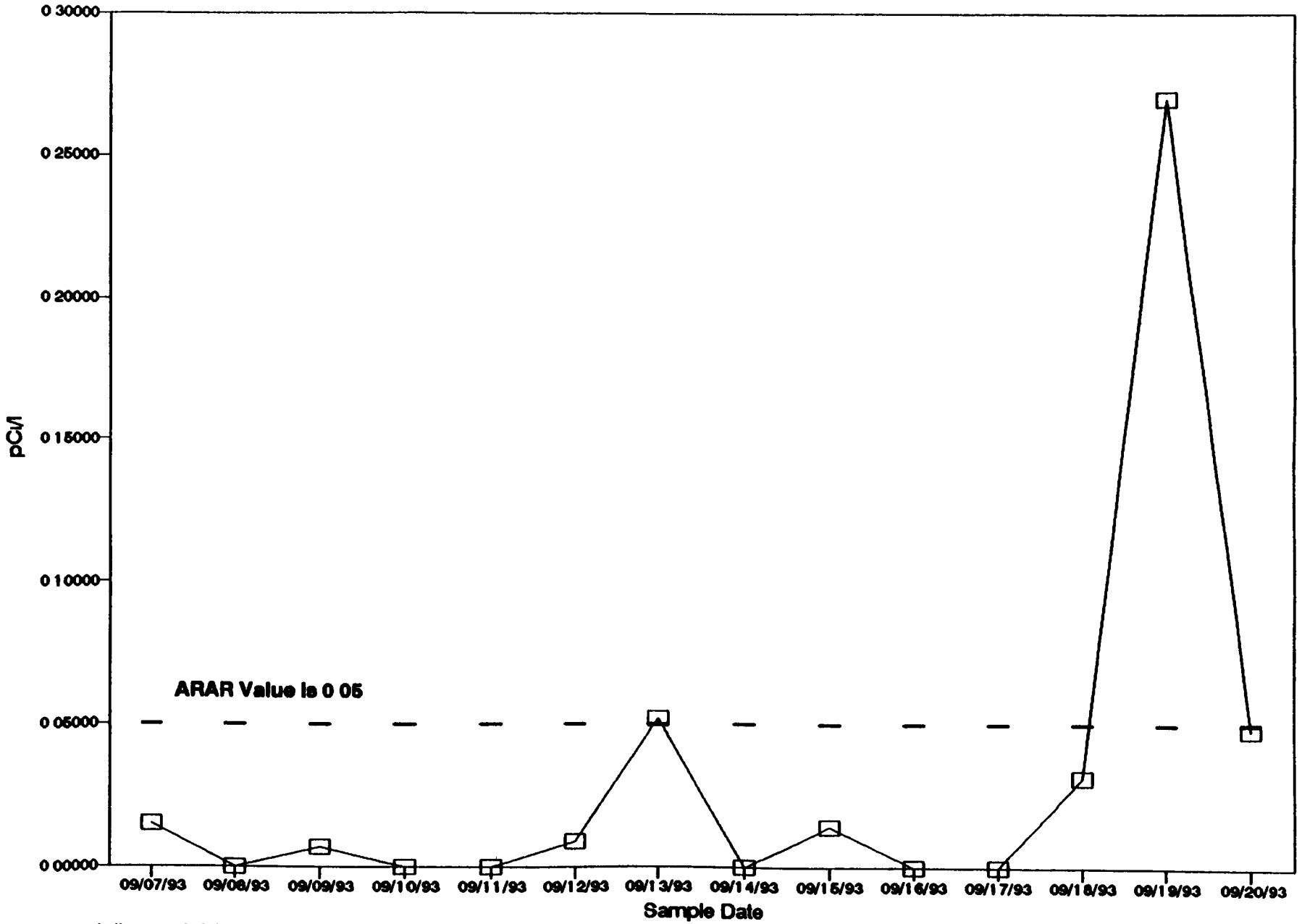
Concentrations reported at the detection limit with U qualifier were plotted as a zero for graphical purposes

Surface Water Station SW132
Filtered Manganese Concentrations



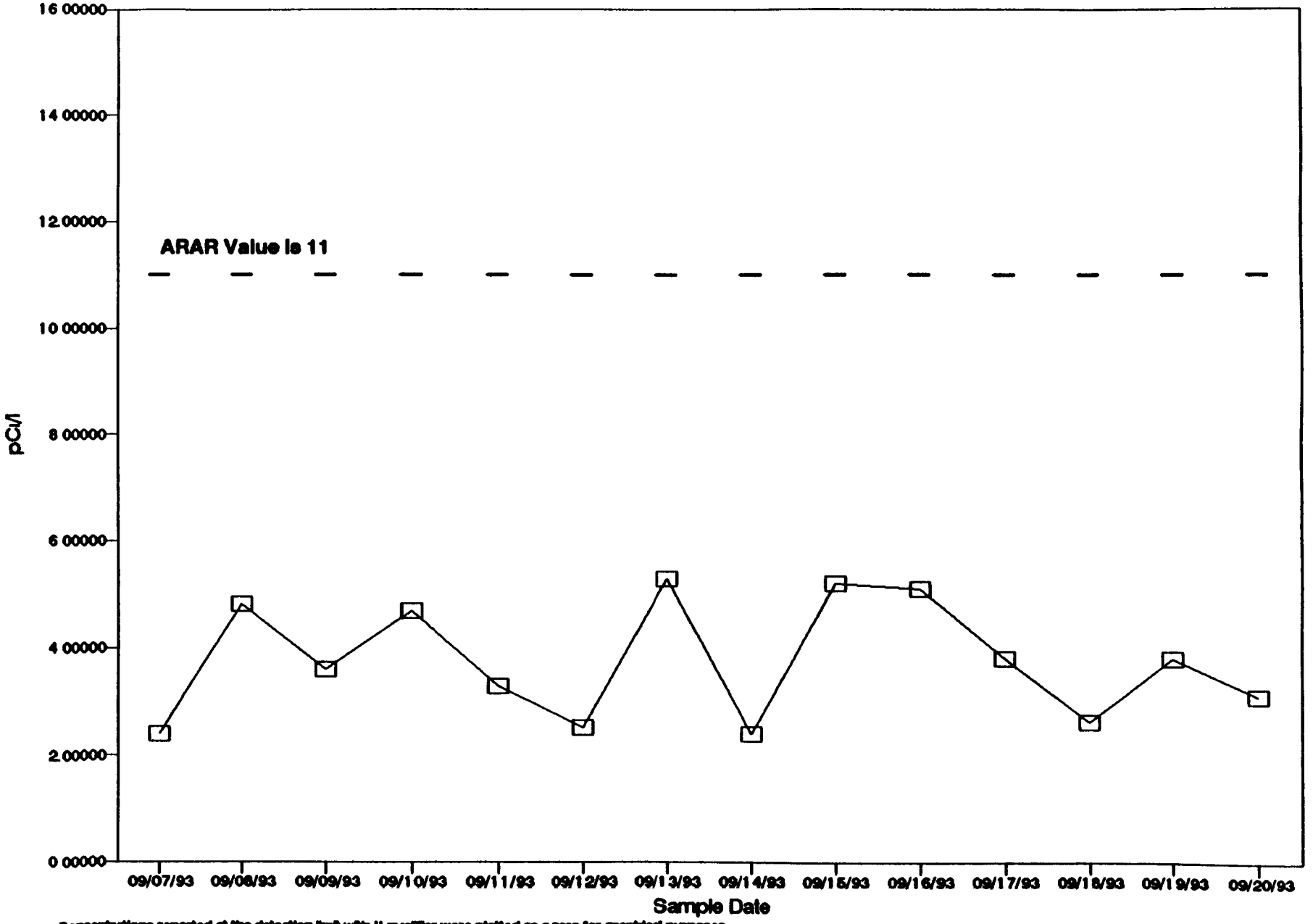
Concentrations reported at the detection limit with U qualifier were plotted as a zero for graphical purposes

Surface Water Station SW132
Total Americium-241 Activities



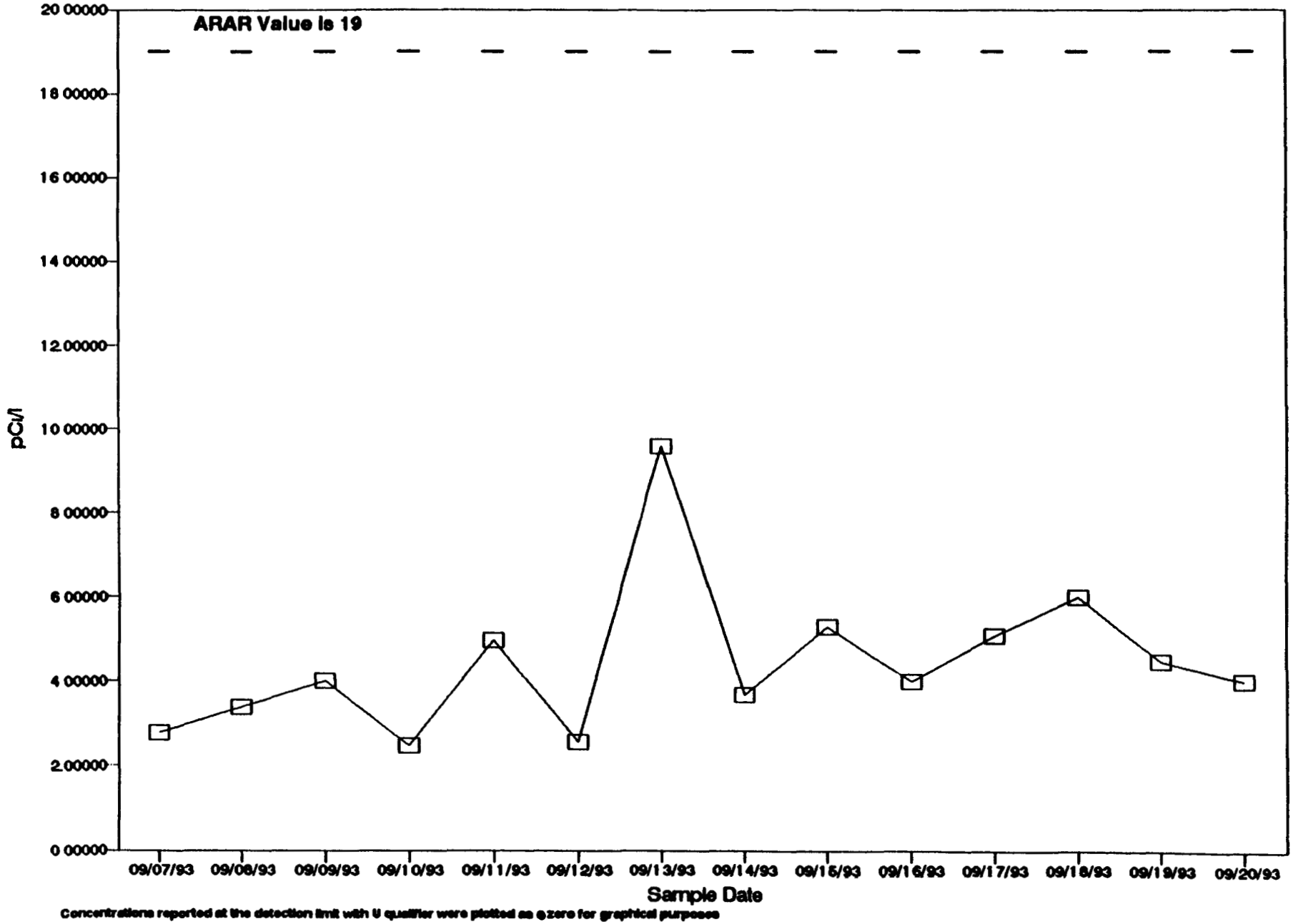
Concentrations reported at the detection limit with U qualifier were plotted as a zero for graphical purposes

Surface Water Station SW132
Total Gross Alpha Activities



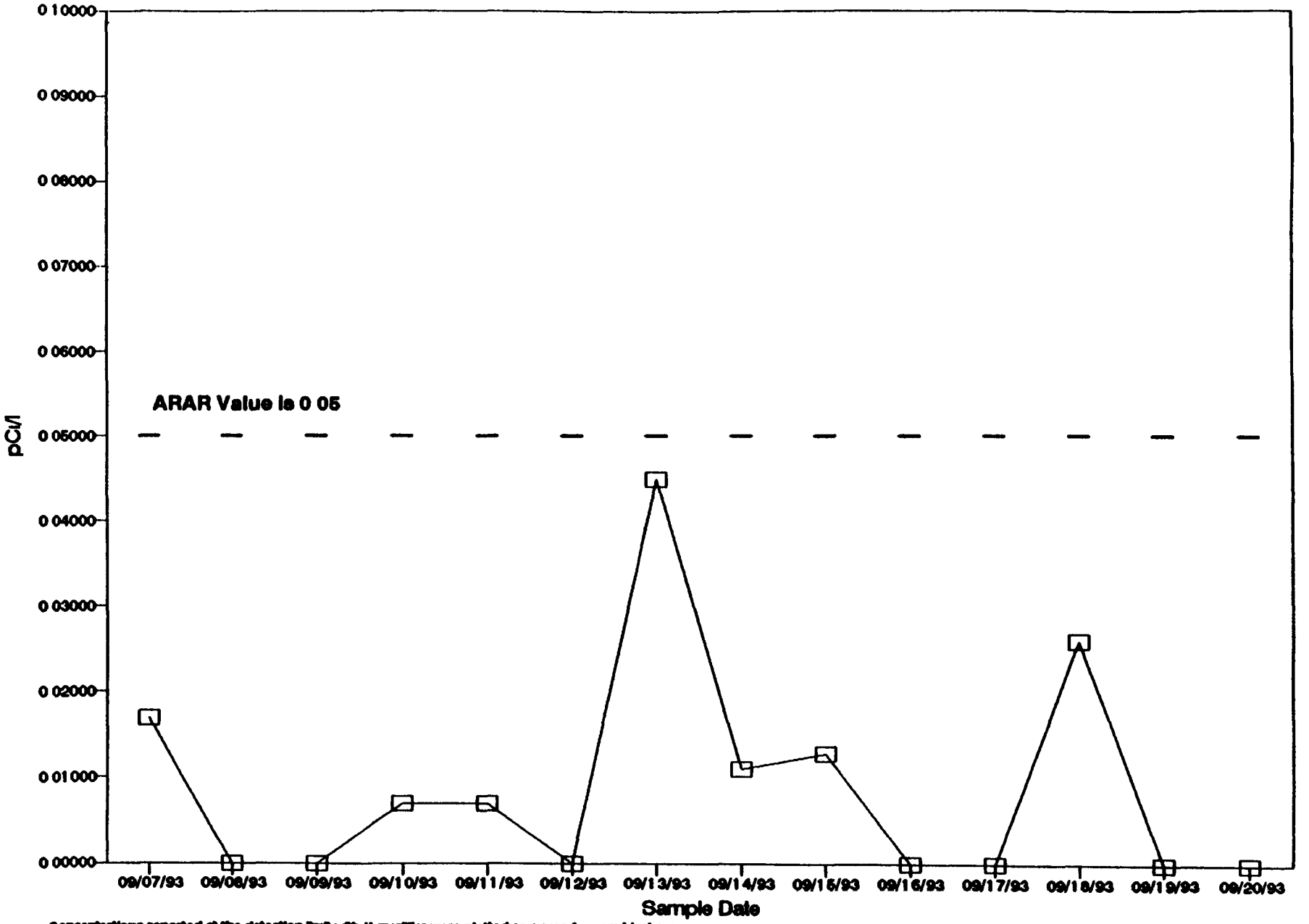
Concentrations reported at the detection limit with U qualifier were plotted as a zero for graphical purposes

Surface Water Station SW132
Total Gross Beta Activities



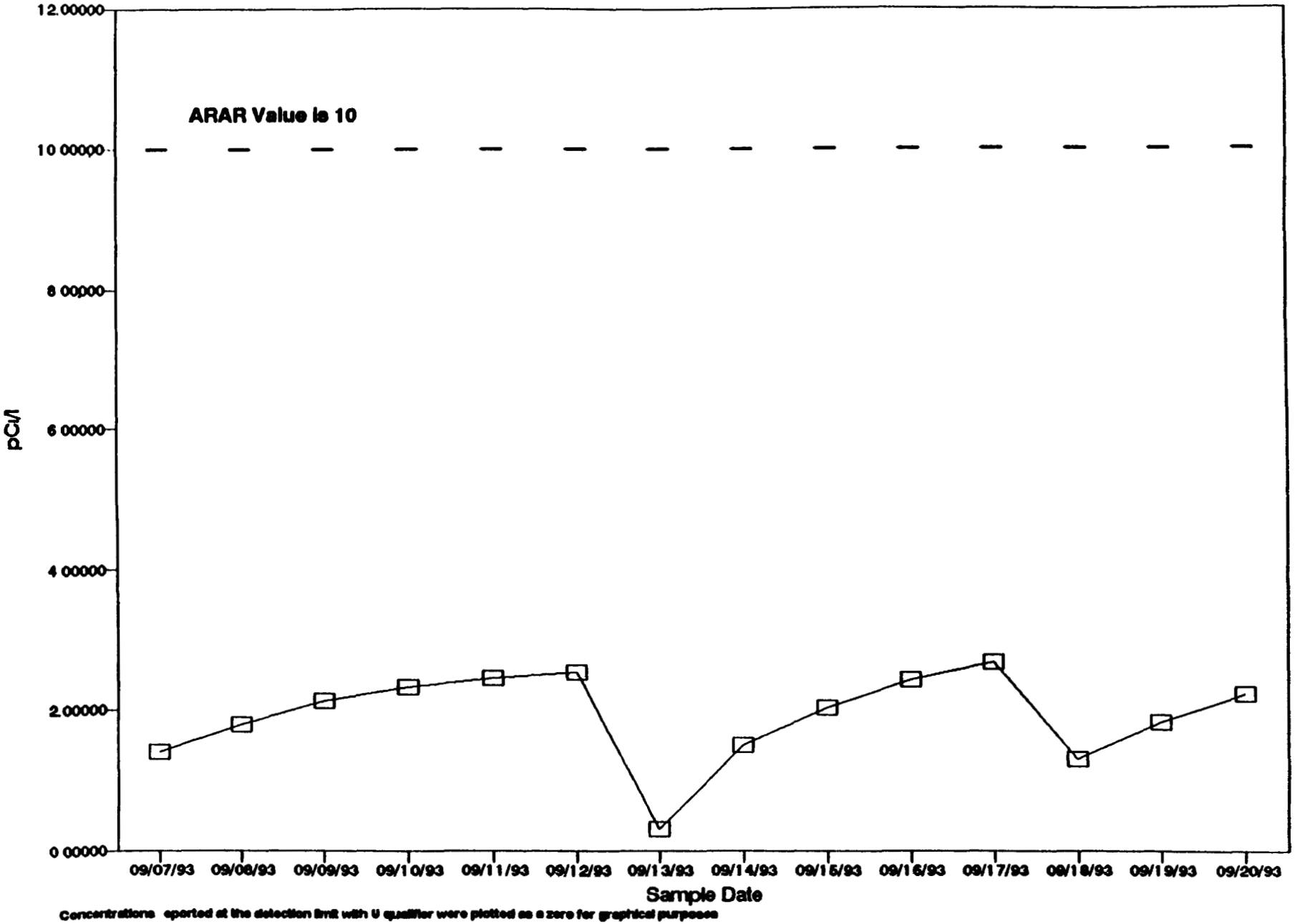
Concentrations reported at the detection limit with U qualifier were plotted as a zero for graphical purposes

Surface Water Station SW132
Total Plutonium-239,240 Activities



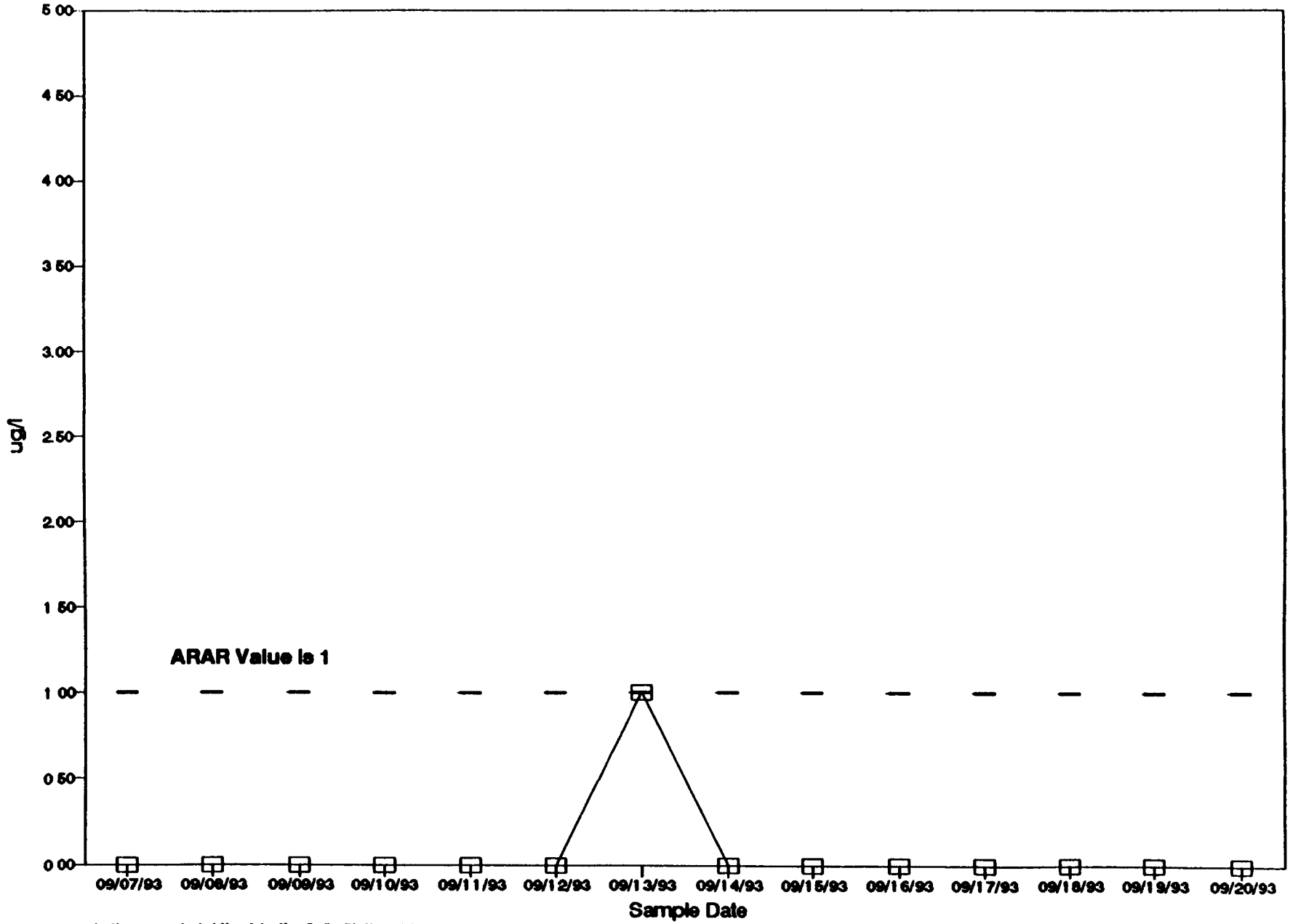
Concentrations reported at the detection limit with U qualifier were plotted as a zero for graphical purposes

Surface Water Station SW132
Total Uranium (Total) Activities



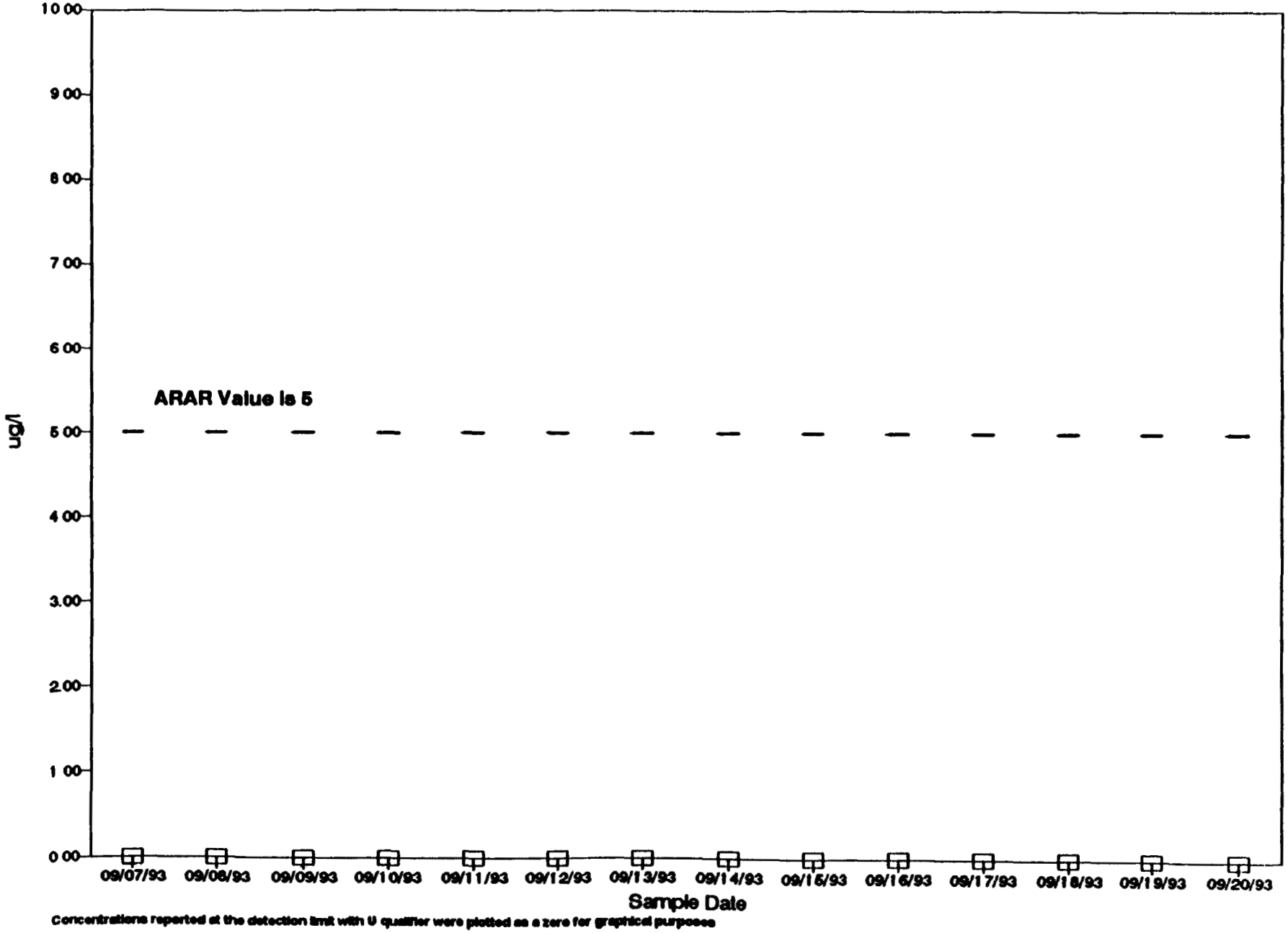
Concentrations reported at the detection limit with U qualifier were plotted as a zero for graphical purposes

Surface Water Station SW132
Tetrachloroethene Concentrations



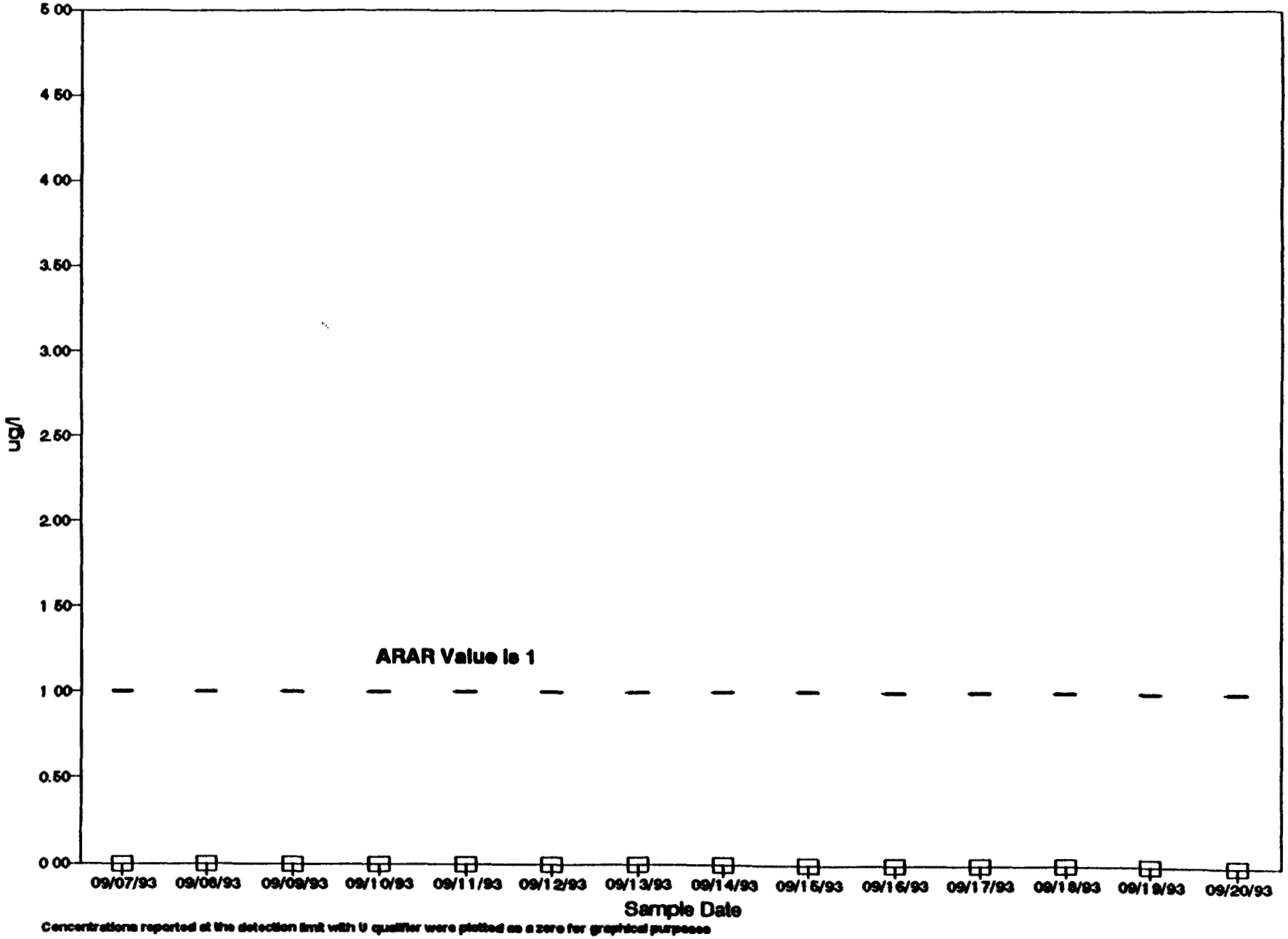
Concentrations reported at the detection limit with U qualifier were plotted as zero for graphical purposes

Surface Water Station SW132
Carbon Tetrachloride Concentrations



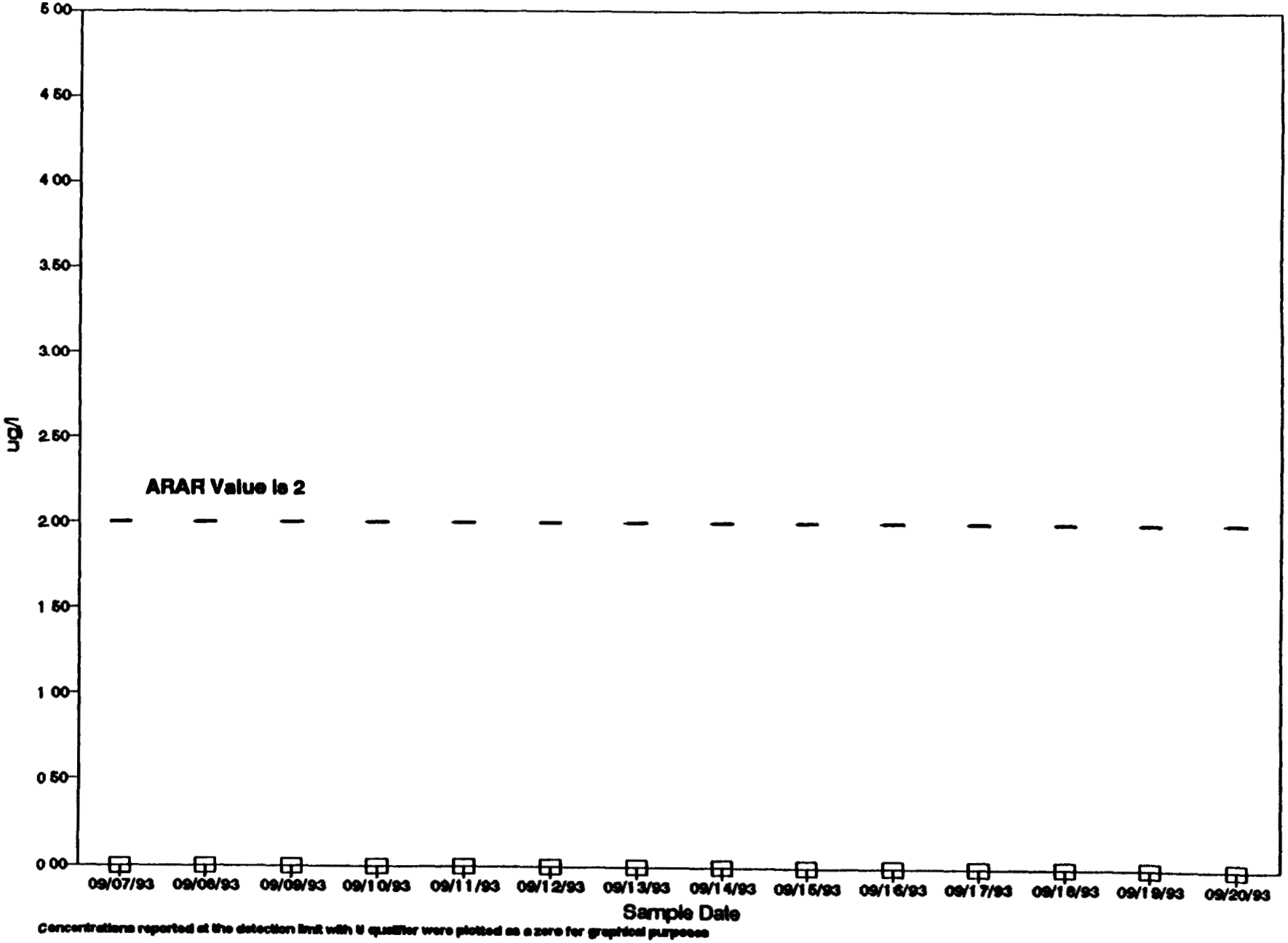
Concentrations reported at the detection limit with U qualifier were plotted as a zero for graphical purposes

Surface Water Station SW132
Chloroform Concentrations



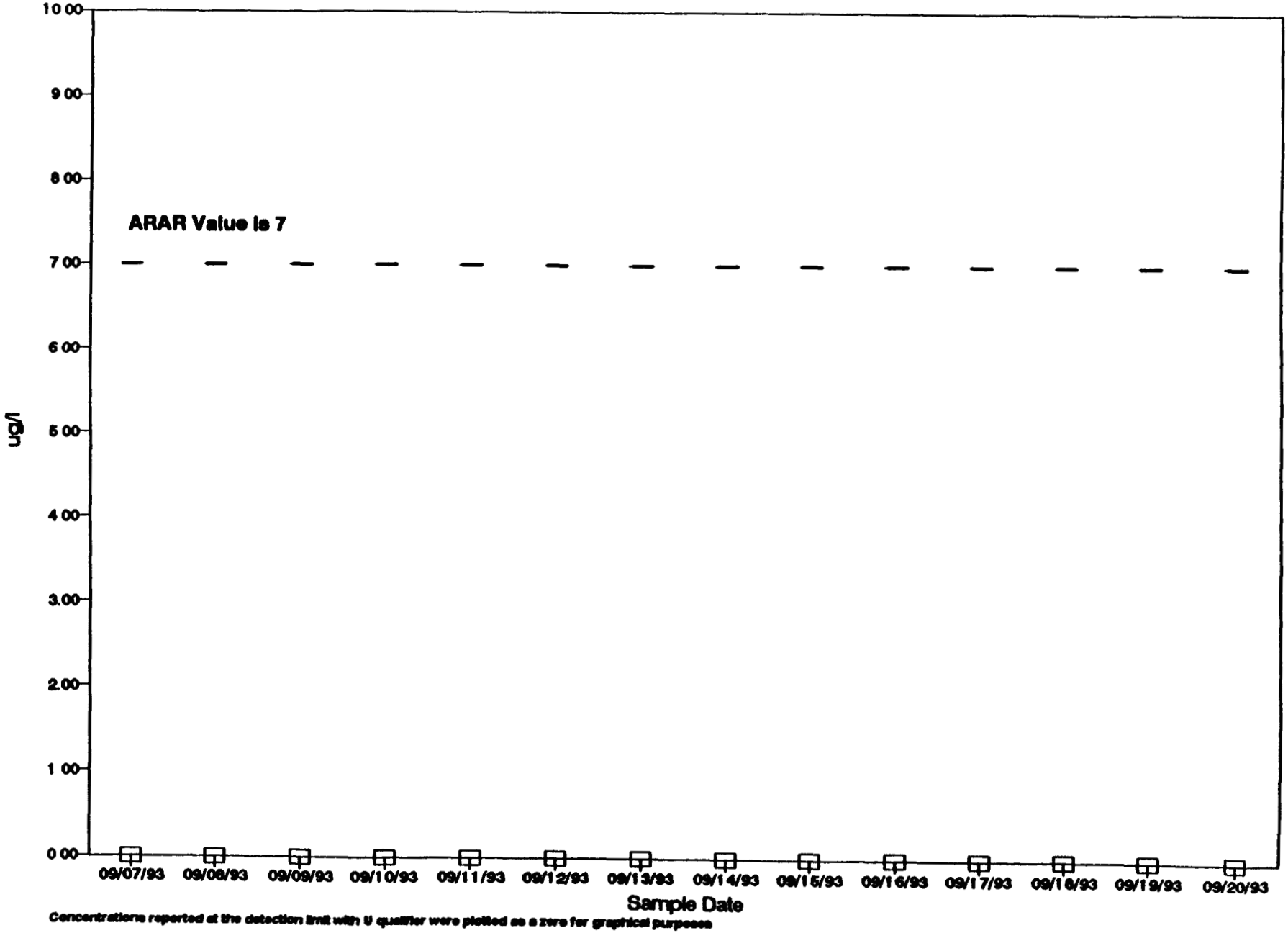
Concentrations reported at the detection limit with U qualifier were plotted as a zero for graphical purposes

Surface Water Station SW132
Vinyl Chloride Concentrations



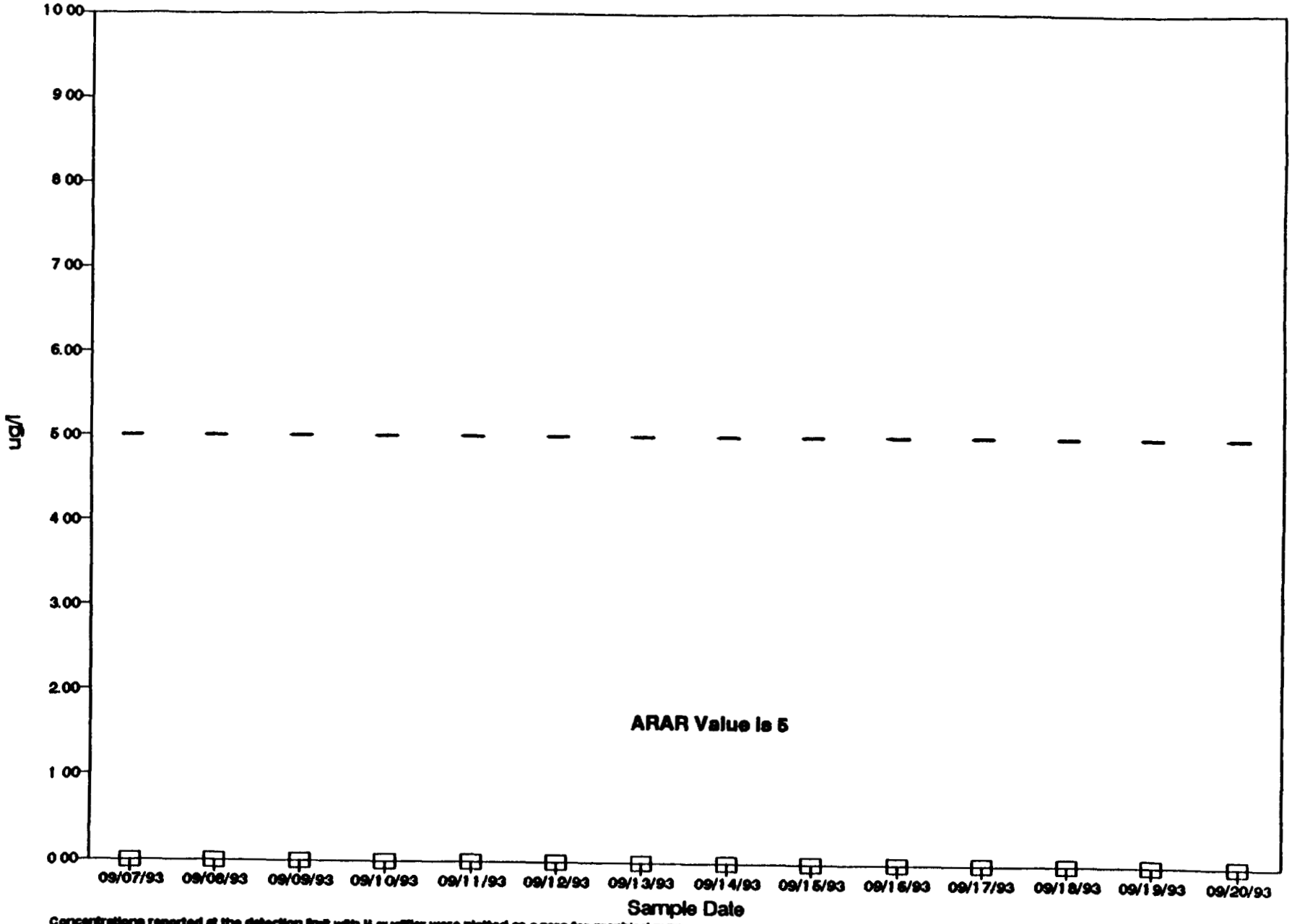
Concentrations reported at the detection limit with U qualifier were plotted as a zero for graphical purposes

Surface Water Station SW132
1,1-Dichloroethene Concentrations



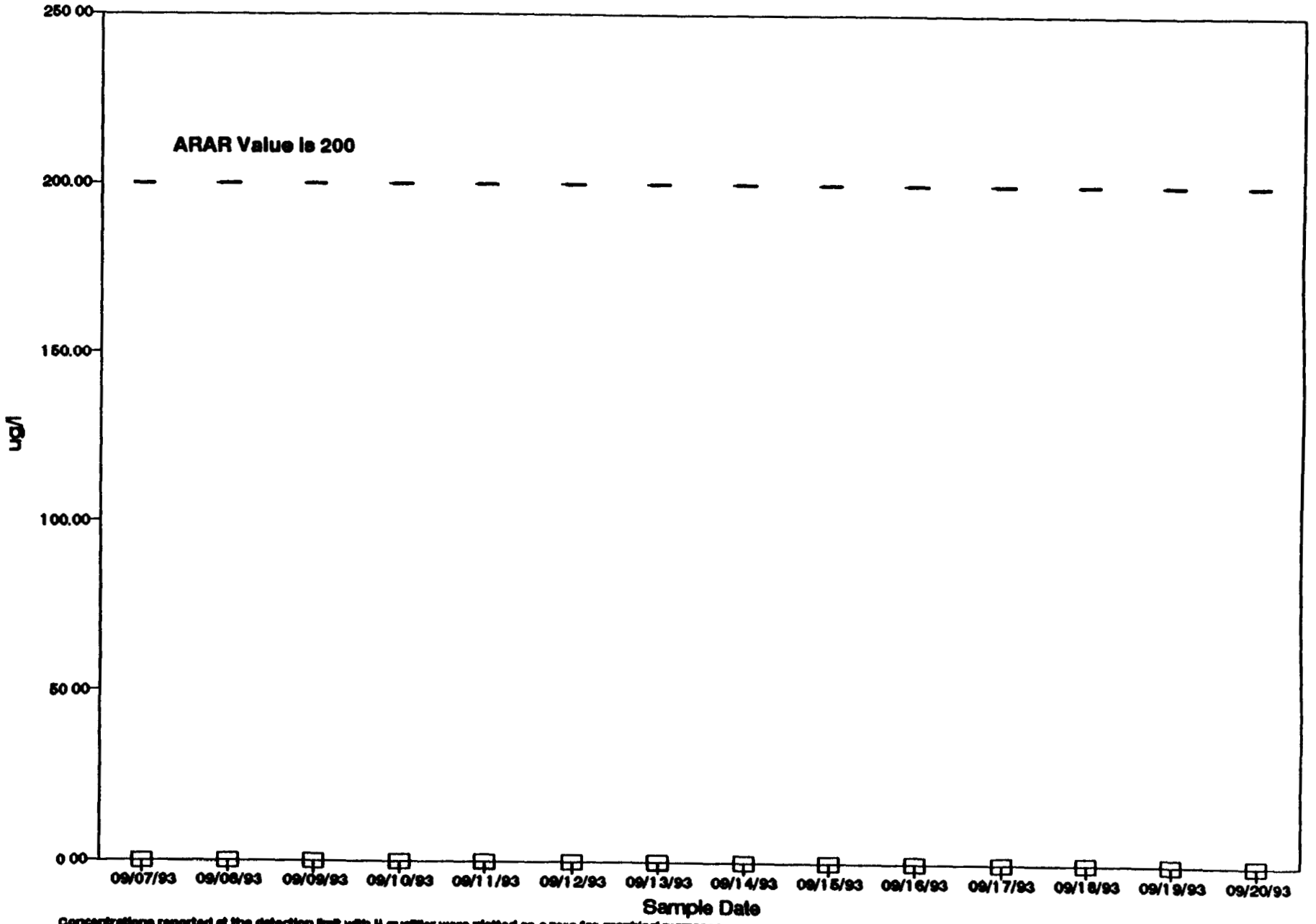
Concentrations reported at the detection limit with U qualifier were plotted as a zero for graphical purposes

Surface Water Station SW132
Trichloroethene Concentrations



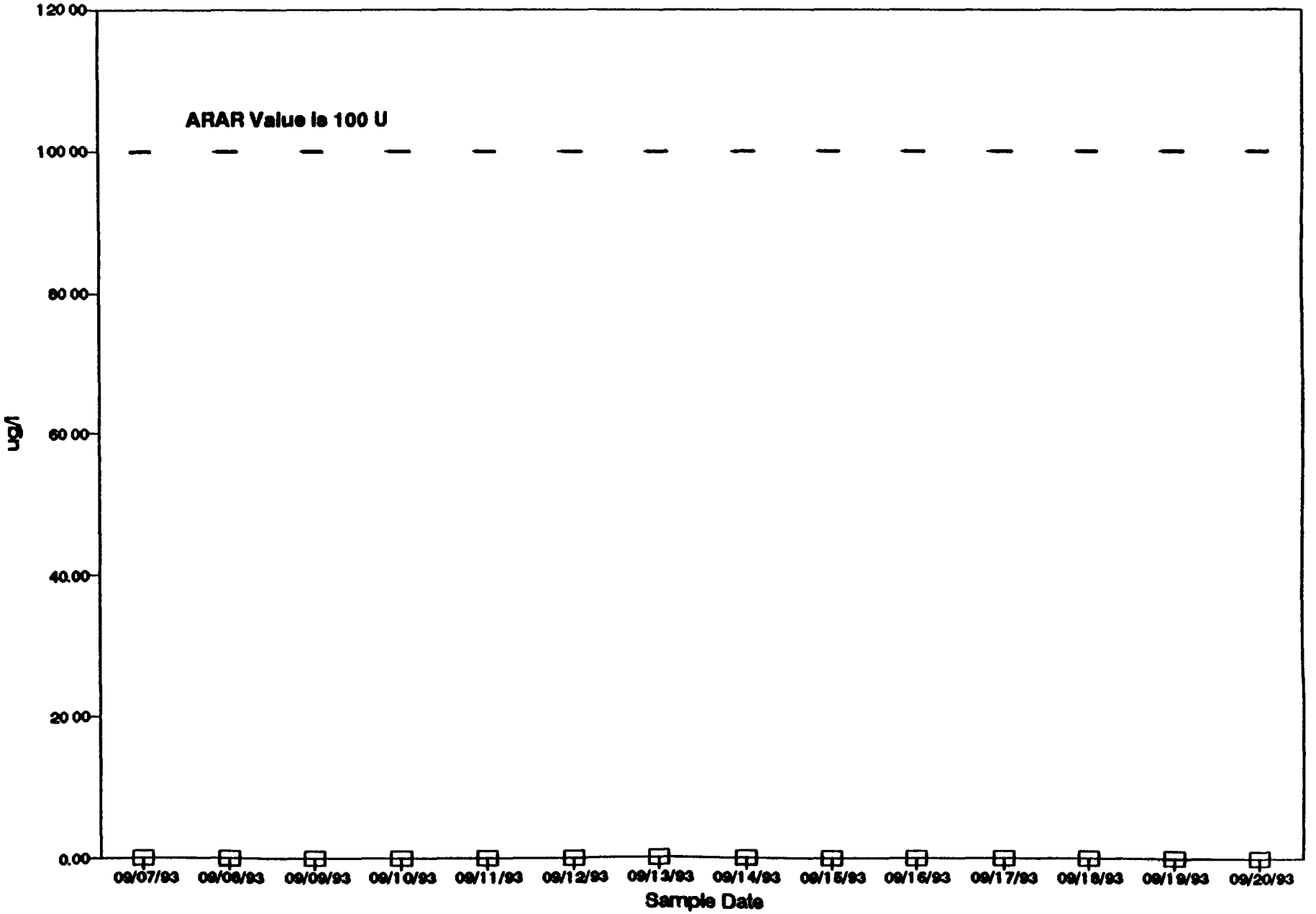
Concentrations reported at the detection limit with U qualifier were plotted as a zero for graphical purposes

Surface Water Station SW132
1,1,1-Trichloroethane Concentrations



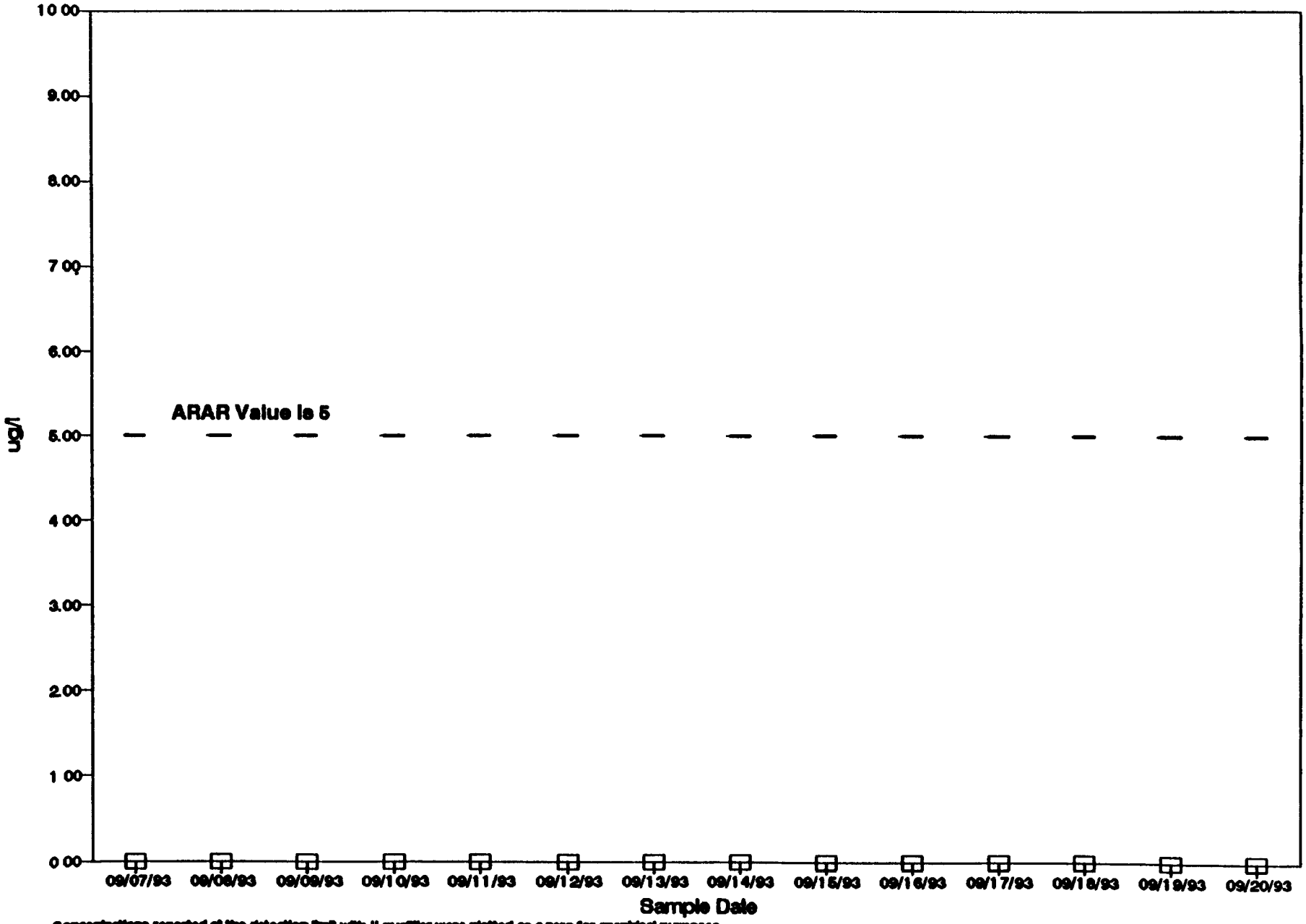
Concentrations reported at the detection limit with U qualifier were plotted as a zero for graphical purposes

Surface Water Station SW132
Bromodichloromethane Concentrations



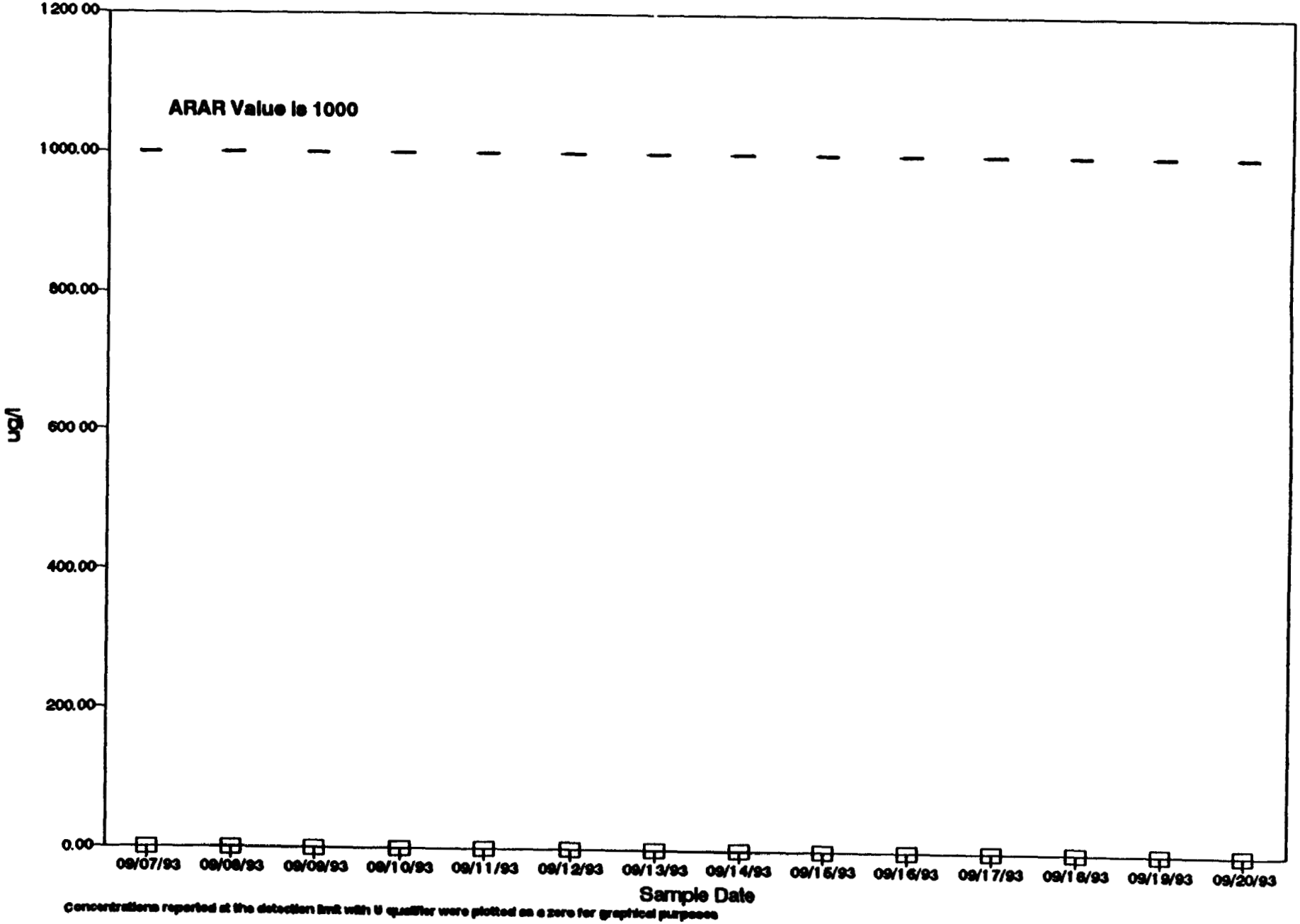
Concentrations reported at the detection limit with U qualifier were plotted as a zero for graphical purposes

Surface Water Station SW132
Methylene Chloride Concentrations



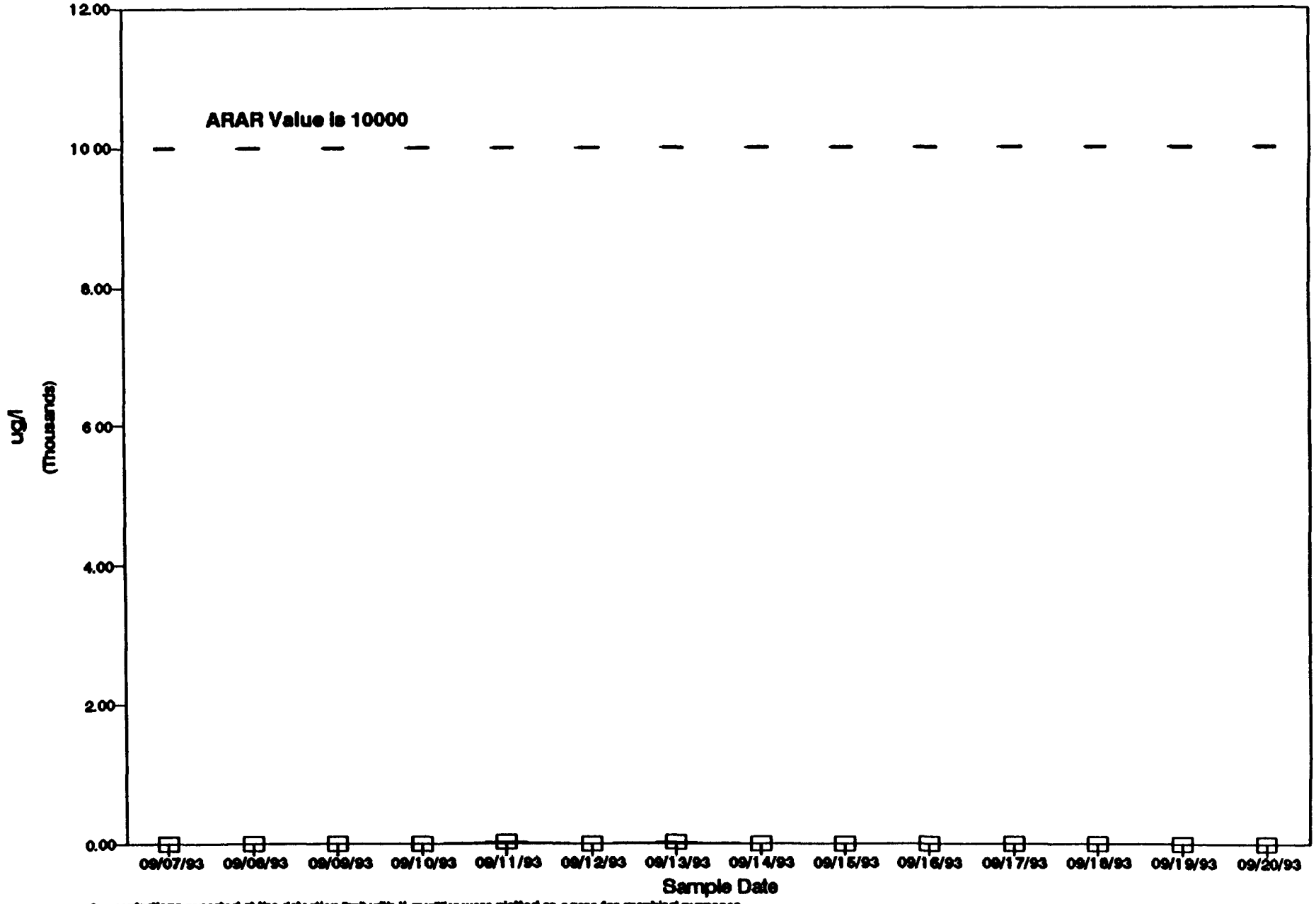
Concentrations reported at the detection limit with U qualifier were plotted as a zero for graphical purposes

Surface Water Station SW132
Toluene Concentrations



Concentrations reported at the detection limit with U qualifier were plotted as a zero for graphical purposes

Surface Water Station SW132
Total Xylenes Concentrations



Concentrations reported at the detection limit with U qualifier were plotted as a zero for graphical purposes

Appendix E

OU2 IM/IRA Treatment Unit Operational History

OU2 IM/IRA
T eatm nt Unit Ope ational History

Week tarting	4 29 92	5 6 92	5 13/92	5/20/92	5/27/92
Time SW61 Bypassed (hrs)	0	0	0	0	0
Influent Flow (avg gpd)	25378 6	23145 7	17941 4	25120 0	33214 3
Influent Flow (gpw)	177650	162020	125590	175840	232500
P ecipitation (in)	0 00	0 02	0 04	0 86	0 91
Avg Streamflow at Station 61 (gpm)	NA	NA	NA	NA	NA
System Operation Time (hrs/day)	10/7/9/9/7/8/7	7 9 8 8 8 6/7	9/6/8/5/6/6/7	3/10/7/7/8/13/15	10/12/7/8/17/24/5
Influent Turbidity (NTU)	NA	NA	NA	NA	NA
Lime Used Process (lbs)	750	350	150	400	200
H2SO4 Used-Process (gal)	70	35	0	25	NA
Fe2SO4 Used-Process (lbs)	150	70	80	150	125
Process Flowrate (gpd)	26057 1	21794 3	19010 0	25050 0	32024 4
Process Flowrate (gpw)	182400	152580	133070	175350	224171
Process Flowrate (gpm)	18 1	15 1	13 2	17 4	22 4
Membrane Flux Rate (gpm)	50/50/50/50/49/49/49	49/49/50/50/49/49/49	48/49/49/49/49/49/49	50/49/49/50/49/50/50	50/50/50/50/50/50/49
Microfilter Pressure In (psi)	NA	NA	NA	NA	NA
Microfilter Pressure Out (psi)	NA	NA	NA	NA	NA
pH at TK1	5 3/4 7/5 3/5 2/5 0/5 0/5 0	4 7/4 7/4 6/4 8/4 6/4 8/4 5	4 1/4 4/4 2/4 0/4 2/4 3/4 4	4 2/4 6/4 6/4 3/4 4/4 6/4 5	4 7/4 7/4 9/4 8/4 4/5 0/4 7
pH at TK2	9 6/9 1/9 7/9 6 9 5/9 5/9 8	9 6/10 2/9 3/9 5/9 2/9 4/9 6	9 6/8 8/9 5/9 7/10 2/9 9/9 1	9 1/9 3/9 2/9 5/9 3/9 4/9 6	9 1/9 3/9 7/9 2/8 6/10 1/9 6
Cleaning Dates for Microfilter			5/13/92		
Hypo Used In Cleaning (gal)			150		
H2SO4 Used In Cleaning (gal)					
H2O2 Used In Cleaning (gal)					
HCl Used In Cleaning (gal)					
HNO3 Used In Cleaning (gal)					
RRS Effluent Turbidity (NTU)	0 01 2 2 (0 04)	0 02 1 0 (0 06)	0 02 0 1 (0 04)	0 02 0 14 (0 08)	0 0 11 (0 02)
GAC Changeouts	5/1/92				
Discharge Flowrate (gpw)	152489	113699	105975	172453	243945
Sludge Processing (lbs)	NA	NA	NA	NA	NA
Comments	Iron feed @ 15 ppm	Began sludge wasting. Problems with filt at pump	F st Cleaning cycle First sludge processing.	RTG reprogram PLC Heavy ain all week.	Sludge pump down. Heavy ain 6/1

OU2 IM/IRA
1 atment Unit Ope ational History

6/3/92	6/10 92	6 17 92	6/24/92	7/1/92	7/8/92	7/15/92
0	3	3	0	0	0	0
22748 6	22390 0	21287 1	19378 6	15875 7	14208 6	17782 9
159240	156730	149010	135650	109730	99460	124460
0 14	0 88	0 56	0 50	0 18	0 44	0 39
NA	NA	NA	NA	NA	NA	NA
10/10/9/9/7/9/7	7/9/9/9/9/9/8	8 8/10/8 6/7 8	8/13/10/6/0/5/7	3/8/6/5/3/6/8	4/7/4/3/9/4/7	9/6/3/7/8/8/8
NA	NA	NA	NA	NA	NA	NA
250	100	200	50	250	250	300
15	0	0	30	28	3	80
25	5	20	0	0	0	20
20840 0	20968 8	20801 4	19191 4	18032 9	15197 1	17116 7
145880	146780	145810	134340	112230	106380	119810
14 5	14 8	14 4	13 3	11 1	10 5	11 9
50/50/50/50/50 49/49	50/49/49/49/NA/NA/NA	50/50/50/50/50/50/50	50/50/49/NA/NA/NA/NA	50/50/60/50/55/50/55	75/67/70/65/65/NA/NA	70/70/71/67/67/50/50
NA	NA	NA	NA	42	41	42
NA	NA	NA	NA	14	14	14
4 9/4 9/5 1/4 9/4 9/4 7/4 7	4 7/4 6/7 2/5 1	8 2/7 9/5 2 4 6/8 8/5 1/7 4	7 2/7 2/7 1	4 1/4 7/8 2/5 9/6 1/8 2/8 3	NA/4 5/4 8/5 0/4 7/5 4	8 0/5 4/4 5/4 9/4 5/4 4/4 2
9 5/9 4/9 3/9 9/9 1/9 3/9 2	9 6/9 4/9 3/9 2	7 9/9 5/9 3/10 4/9 4/9 3/9 3	9 4/9 6/10 0	7 9/9 5/9 3/10 4/9 4/9 3/9 3	NA/9 2/9 0/9 9/9 6/9 2	9 3/9 6/9 1/9 0/9 5/9 3/9 4
	8/12/92		6/26/92	7/1/92	7/8/92 (3)	
	50		100		100	
			20	20	40	
0 01 0 06 (0 03)	0 0 04 (0 03)	0 0 05 (0 03)	0 01 0 05 (0 04)	0 01 0 09 (0 05)	0-0 06 (0 0)	0 0 06 (0 01)
145880	NA	137117	65961	100482	122955	113787
500	0	5400	0	0	600	0
Discontinued acid use at TK1 per EG&G.	Iron feed decrease to 7 5 ppm. Generator breaker switch out	Heavy rain 6/19 SW58 pipe leak repaired.	Hypo clean not effective Did first H2SO4 clean Generator down 6/26		H2SO4 not effective Returned to Hypo, worked good. Resumed adding acid to TK1 Did multiple acid cleanings per RTG.	

OU2 IM/IRA
T atment Unit Ope ational History

7/22/92	7 29/92	8 5/92	8/12 92	8/19/92	8/26/92
4	4	0	0	3	0
14190 0	13054 3	11720 0	10851 4	17037 1	16041 4
99330	91380	82040	75960	119260	112280
0 31	0 01	0 10	0 33	2 53	0 00
NA	6 6/6 7/6/6 5/8/8 8/8	8/8/7 2 14 7 1/6 5/7 4	9 1 6 6 5/5 7/12/6	10/8 6/11/10/20/18/0	0/11/10/8/8/6/13 6
9/5/4/8/6/3/5	4/3/6/3/5/6/2	4 2/4/5 6/3 2	5 4/3/2 3/8/4	6 6/4/6 10/20/0	8/8/5/4/4/5/6
NA	NA	NA	NA	NA	NA
150	250	200	50	700	300
15	15	10	30	30	0
50	0	0	125	0	0
15647 1	11920 0	13051 4	11285 7	17282 9	15805 7
109530	83440	91360	79000	120980	110840
11 0	8 3	9 0	7 8	12 0	11 0
67/68/52/66/64	70/75/67/70/69/59/68	68/68/72/67/68/64/65	56/60/65 66/70/55/55	58/58/65/65/55/40	70/68/70/68/68/68/60
41	40	39	40	40	42
14	14	14	14	14	15
4 5/4 3/4 9/4 4/4 4	4 5/4 9 4 4/4 8/4 4/4 3/4 6	4 6/4 7/4 7/4 5/4 4/4 8/4 9	4 5/4 8/3 8/4 6/4 8/4 4/4 6	4 4/4 6/5 0/4 6/4 5/4 5	3 4/4 3/4 3/4 9/4 8/4 3/4 5
9 4/9 0/9 9/9 4/9 4	9 9/9 8/8 8/8 8/9 3/8 9/9 3	9 3/9 4/9 2/9 6 9 6/9 5/9 3	9 4/9 5/9 4/9 3/9 3/9 5/9 4	9 2/9 1/9 9/9 2/9 3/9 7	10 5/10 2/10 0/10 8/9 7/10 8/9 9
			8/14/92 (2)	8/24/92 8/25/92	
				100	
				20	
				2	
0 0 06 (0 01)	0 0 06 (0 01)	0 0 14 (0 01)	0 0 12 (0 02)	0 0 04 (0 0)	0 0 01 (0 0)
85595	77982	86501	74328	110842	98122
0	0	0	1000	1000	2500
Serious problems with generator	Serious problems with generator Backup set on line	GAC vessels have pinhole leaks	Hypo clean not effective H2SO4 used, worked good.	EG&G generator eturned to service Heavy ain 8/24 Serious cleaning problems F st H2SO4/H2O2 cleaning. Increased chem feed ates Added chemicals to TK2 & TK8	Leaking GAC vessels off line. Chemical feed ates reduced.

OU2 IM/IRA
T atm nt Unit Ope ational History

9/2/92	9 9 92	9 16/92	9/23/92	9/30/92	10/7/92
0	0	0	0	0	0
10827 1	8938 6	8138 8	6694 3	7007 1	9222 9
75790	62570	58970	46860	49050	64580
0 00	0 00	0 00	0 00	0 10	0 04
8/7/8/6/7/6 5/8	8/8/6/5/5/6/6	5 5/5 5 5 5/5	4 3/4 3 4/4/3 7/5/4	4/4/4/4/3 5/4 2/4 3	4 5/6 3/4 7/3 5/7/6 2/13
3/4/3/2/6/4/1	3/1/4/2/2/4/1	4 3/2/3 2/2/1	2/2/2/2/2/0/2	2/1/2/2/2/3/1	3/2/3/2/1/3/4
NA	NA	NA	NA	NA	NA
500	100	100	100	150	150
23	10	10	13	20	0
25	10	5	0	0	25
10111 4	8834 3	7254 3	6142 9	5910 0	7945 0
70780	61840	50780	43000	41370	55615
7 0	6 1	5 1	4 2	4 1	5 5
52/60/63/71/74/72/75	61/78/65/85/85/82/80	60/62/69/67/62/65/66	65/63/66/63/63/NA/60	85/80/80/80/85/85/56	61/63/65/68/65/64/66
42	42	42	42	42	41
14	14	14	15	15	14
4 4/4 9/4 7/5 0/4 8/5 5/5 1	5 2/4 4/4 7/4 5/4 6/4 5/4 7	4 7/4 7/4 7/4 9/4 8/4 6/4 4	5 1/4 7/4 8/4 5/4 9/NA/4 7	4 9/4 9/4 6/4 7/4 6/3 5/4 2	4 6/4 9/4 1/4 8/4 7/4 7/4 9
10 0/10 1/9 8/9 8/9 8/9 3/9 2	11 1/9 4/9 4/8 8/9 8/10 0/9 5	9 9/9 9/10 1/9 0/9 4/9 9/9 7	9 2/9 4/9 7/9 6/9 2/NA/9 3	9 2/10 0/10 0/9 2/9 9/9 8/11 1	9 7/10 6/10 8/10 5/11 4/10 5/11 2
9/3/92		9/16/92		10/5/92	
2		2		2	
0-0 1 (0 0)	0 0 0 (0 0)	0 0 1 (0 0)	0-0 0 (0 0)	0 0 0 (0 0)	0-0 08 (0 0)
		9/18/92			
83800	55583	50169	38625	37094	53891
0	0	0	0	0	0
H2SO4/H2O2 worked very well	L w influent flow	Low influent flow	SW56 seep location disrupted Low influent flow	H2SO4/H2O2 working very well. Low influent flow	Began particle study Low influent flow

OU2 IM/IRA
Treatment Unit Operational History

10/14/92	10/21/92	10/28/92	11/4/92	11/11/92	11/18/92
0	0	0	0	0	0
13268 6	14151 4	23200 0	17558 6	13495 7	NA
92880	99060	162400	122910	94470	NA
0 00	0 41	0 33	0 00	0 00	0 89
7 5/8 7/7 4/8/8/8	10/9/8/8/11/13 8 14 3	22 4/24 6/24/13/9 2/27/2 3	14/13 5/14/10 8/9 3/9 8/9 8	10/9/9 5/8 2/7 9/8 3/8	8 3/7 8/18 7/28 5/8 1/8 8/10 4
3/4/5/4/4/4/3	4/5/3/5/8/4/4	4/8/8/5 4/12/11	5/8/9/8/4/5/5	4/4/5/4/4/3/4	
NA	NA	NA	NA	NA	NA
200	300	450	400	100	350
25	35	15	35	15	38
0	0	50	0	335	10
11930 7	13144 3	21440 0	17627 1	12865 7	18878 8
83515	92010	150080	123380	90760	130750
8 3	9 1	14 8	12 2	9 0	13 0
64/64/65/45/65/66/66	65/64/63/60/53/65/63	63/62/60/64/66/66/64	64/66/64/63/66/66/64	69/64/66/66/67/65/64	69/66/64/62/63/64/60
42	42	42	42	42	43
16	14	14	NA	NA	NA
4 5/4 7/4 0/4 7/4 8/4 7/4 7	4 6/4 5/4 6/4 5/4 0/4 7/4 8	4 5/4 3/4 8/4 7/4 2/4 9/4 0	3 7/5 8/4 7/4 8/4 7/4 8/4 7	4 9/4 9/5 0/4 6/4 6/4 7/4 8	4 9/5 4/4 7/4 5/4 3/4 5/4 3
9 8/10 3/10 2/10 9/10 2/10 7/9 5	10 1/9 8/10 2/9 3/10 8/9 7 8 7	9 4/9 4/9 5/9 4/9 7/9 1/10 3	10 9/10 1/10 1/10 0/9 4/9 8/9 5	9 3/9 2/9 5/9 1/9 4/9 1/9 2	11 2/9 4/9 2/9 2/9 9/10 1/10 1
10/18/92	10/25/92		11/7/92		
2	2		20 2		
0 0 04 (0 0)	0 0 08 (0 0)	0 0 02 (0 0)	0 0 10 (0 0)	0-0 04 (0 0)	0-0 10 (0 0)
76727	83735	136015	111439	84093	NA
1000	0	0	1000	0	1000
Low influent flow	SW132 leak repaired. Low influent flow	SW132 flow incr significantly SW58 pipe repaired		Low influent flow	Heavy snow increased chem. feedrates

OU2 IM/IRA
Treatment Unit Operational History

11/25/92	12/2/92	12/9/92	12/16/92	12/23/92	12/30/92
0	0	0	0	5	0
20151 4	29762 8	37187 1	29145 7	21141 4	22104 3
141060	208340	260310	204020	147980	154730
0 07	0 16	0 13	0 14	0 00	0 03
13 3/12 7/11/8/11/10/27	28 3/21/18 2/17 3/16/16 4/21	31/28/30/20/20/21/24	22 9/20/19 3/16 4/17 5/20/17	16/14/17 2/18/17/15 3/16 7	15 7/14/15 6/22 8/17/13 2/19
10/9/4/5/5/5/12	14/9/10/9/11/10/8	15/15/13/9/8/11/12	11/10/10/8 10/9/10	8/8/9/11/9/7/10	7/5/8/9/8/7/8
NA	NA	NA	NA	NA	NA
500	700	500	550	400	300
32	63	33	85	38	18
73	13	15	25	25	0
18432 9	29884 3	37585 7	28220 0	20983 3	20935 0
129030	209050	263170	197540	146883	146545
13 0	20 7	26 1	19 6	14 6	14 5
40/64/68/6 /67/66/64	64/68/62/63/60/64/68	64/66/65/65/62/66/64	65/65/65/67/68/67/63	66/64/64/62/60/60/60	61/64/65/64/57/62/61
42	43	44	43	NA	NA
NA	13	14	14	14	14
4 8/4 7/4 7/4 5/4 6/4 7		4 4/4 6/4 7/4 6/4 6/4 4/4 6	4 4/4 7/4 5/4 5/4 6/4 7/4 4	4 7/4 4/4 7/4 5/4 7/4 6/4 6	4 3/4 7/5 6/3 6/5 6/5 3/5 3
10 9/10 6/10 8/11 3/10 4/10 3		9 5/10 2/10 7/10 5/10 5/10 1/9 3	9 5/9 2/9 6/10 2/9 6/9 6/9 3	9 3/9 4/10 5/10 3/9 9/10 2/10 4	9 5/10 5/9 8/10 1/9 4/10 1/10 3
11/25/92	12/7/92		12/18/92		12/30/92
2	2		2		20
					2
0 3 0 (0 06)	0 0 06 (0 0)	0 0 0 13 (0 02)	0 0 3 (0 01)	0 0 01 (0 0)	0 0 04 (0 0)
120230	219047	238874	180097	155252	133806
2000	2000	0	4000	0	0
Heavy snow H2SO4/H2O2 clean no effective Added chemicals to TK2 & TK8 Increased chemical feedrates.	SW132 flows high Heavy snow Chemical feedrates increased.	High influent flow	High influent flow	Serious generator problems Rental on line	

OU2 IM/IRA
T atment Unit Operational History

1/6/93	1/13/93	1/20/93	1/27/93	2/3/93
0	0	0	0	0
14548 6	21548 6	24891 4	NA	19342 9
101840	150840	172840	NA	135400
0 07	0 02	0 01	0 00	0 25
11/10 4/10/10/9/9 6/7	8 5/10 1/24/29 4/27/27/27	26 6/30/30 12 9 5/10 4 13 1	12 5/8 3/10 1/10/10/11/9	14/13 2/11 2/10/10/15/21
3/6/4/3/5/8/2	5/4/7/7/8/6 5	7/10 10/5/6/5/6		8/6/6/4/5/5/6
NA	NA	3/10 12/22 NA/18/23	NA/9/12/14/61/12/8	49/93/16/7/6/9/20
250	450	400	300	450
15	18	35		
0	0	0	5	0
12734 3	17891 4	22151 4	14937 9	18462 9
89140	125840	155060	104585	129240
8 8	12 5	15 4	10 7	12 8
62/64/65 66/77/77/81	70/65/65/63/58/53/52	66/65/58/60/69/68/65	60/60/60/55/62/59/67	66/65/59/62/54/68/64
42	43	42	43	43
14	14	14	14	14
5 3/5 4/5 5/5 5/5 3/5 0/4 8	5 3/5 2/5 1/4 8/4 9/4 6/3 4	5 1/4 8/4 9/4 1/5 5/5 0/5 1	5 2/5 4/5 2/5 3/4 6/4 7/4 8	4 8/4 7/3 9/4 7/4 8/4 5/4 8
10 8/10 1/10 4/10 0/10 5/10 5/9 5	10 2/10 8/10 2/8 4/9 3/9 4 9 5	10 8/10 4/10 8/10 2/8 7/10 4/9 7	9 6/9 6/8 6/10 0/11 0/10 2/9 2	9 8/10 4/9 9/10 0/8 3/9 4/10 6
		1/20/93 1/23/93		2/7/93
		20		20
		2		2
0-0 0 (0 0)	0 0 0 (0 0)	0 2 10 (0 02)	0 0 04 (0 02)	0-0 70 (0 04)
	1/16/93			
NA	115979	130877	95443	118198
0	0	0	0	2000
Generator problems. Fuel jelling.	Diesel fuel spill.	GAC reconfiguration.	EG&G generator overhauled, on line	

OU2 IMMRA
Treatment Unit Operational History

2/10/93	2/17/93	2/24/93	3/3/93	3/10/93
0	0	0	0	0
19024 3	21162 9	17895 7	21277 1	35246 7
133170	148140	125270	148940	246720
0 21	0 00	0 08	0 00	0 32
18 3/13/16/12/10/8 8/7 2	12 3/20/27/23/13/10 9/10 1	8 3/8 3/13/11 4/12 4/12	17 3/22/26/25 9/24/19 4/18	29/33/34 4/30 7/32/28 7/23
7/10/7/5/5/4/3	3/12/10/11/5/5/6	4/5/7/6 6/5 8	5/8/5/6/4/4/7	7/14/12/14/15/13/7
72/24/61/24/16/19/7	22/10/5/NA/6/6/NA	NA/93/93/93/94/94/94	95/10/8/5/5/4/4	28/148/207/43/28/122/80
600	750	300	350	700
35	41	12	30	69
24	25	12	15	60
17974 3	20548 8	16510 0	16518 6	33182 9
125820	143840	115670	115630	232280
12 5	14 3	11 5	11 5	23 0
58/62/65.67/68/67/67	66/60/60/66/68/65/66	66/67/65/63/61/61/61	66/66/66/67/66/68/66	63/57/58/58/59/60/68
42	42	42	42	43
14	13	13	13	13
4 7/4 4/3 3/5 0/4 6/4 8/5 0	4 7/4 7/4 6/4 6/4 3/4 6/4 7	4 6/4 6/4 6/4 7/4 3/4 4/4 5	4 3/4 6/4 7/4 6/4 7/4 3/4 5	4 6/4 6/4 5/4 0/4 4/4 2/4 5
11 3/10 7/10 3/10 7/10 2/9 7/10 4	10 0/10 8/10 7/10 7/9 0/9 7/9 4	10 3/10 0/10 0/10 5/10 3/9 9/10 8	9 5/10 3/10 3/10 3/10 1/8 4/8 4	9 3/10 3/10 9/10 8/10 2/10 3/10 2
	2/19/93	3/2/93		3/13/93 3/16/93
	20	20		40
	2	2		4
0 0 18 (0 04)	0 0 12 (0 02)	0 0 08 (0 02)	0 0 06 (0 03)	0 0 14 (0 03)
117392	150808	107171	107280	212125
1000	0	1000	1000	3000
	Storage tank frozen.	PLC malfunctioned reprogrammed.	Influent line broke/repaired.	Cleaning problems. High influent flow

OU2 IM/IRA
T atment Unit Ope ational History

3/17/93	3/24/93	3/31/93	4/7/93	4/14/93
0	0	30	0	0
23718 6	28707 1	NA	NA	49960 0
166030	200950	NA	NA	349720
0 00	1 18	0 62	0 54	0 06
28 7/14/15 1/15 1/14 2/14 1/13	13/12 8/12 5/17 5/26 5/33/29 9	7/6 39 2/40 3/26 4/23 32 3	43/38/37/38/30/36/48 3	41/41/40/38/37/35/34
9/6/8/9/7/5/7	6/6/6/8/14/12/20	3/3/4/22/15/10/24	22/19/18/14/11/19/23	23/22/22/17/18/15/20
30/8/13/9/4/5/4	5/8/5/73/89/161/NA	43/5 71/61/72/44/138	NA/15/17/35/10/58/67	25/19/10/9/17/11/14
600	550	650	875	1375
68	40	68	80	101
0	25	95	150	150
22111 4	29441 4	36874 3	51684 3	50868 6
154780	206090	256720	361790	356080
15 4	20 4	25 5	35 9	35 3
65/65/57/ 0/65/66/67	67/69 67/65/65/52	23/69/64/64/65/61/65	65/65/64/64 67/66/62	57/58/62/62/61/64/62
42	42	41	40	40
13	13	13	13	13
4 7/4 7/4 6/3 7/4 7/4 9/4 3	4 8/4 6/4 8/4 8/4 5/NA/4 3	3 3/4 8/4 7/4 7/4 6/4 5/4 7	4 5/4 8/4 6/4 4/4 0/4 7/4 5	4 4/4 8/4 2/4 6/4 5/4 5/4 5
9 8/10 7/9 8/9 6/10 0/10 1/9 5	9 4/9 2/9 8/9 8/10 5/NA/10 2	10 2/8 5/9 7/10 0/9 8/9 9/11 1	11 7/10 5/10 4/10 2/9 9/10 0/11 0	10 8/10 3/11 3/11 2/11 3/10 8/10 6
3/20/93 (2)	3/24/93 3/25/93			
20	20			
4	2			
	20			
	20			
0 0 24 (0 02)	0 0 44 (0 03)	0 1 0 (0 03)	0 0 02 (0 0)	0-0 02 (0 0)
147853	152699	262662	339242	325539
0	1000	2000	4000	2000
H2SO4/H2O2 worked well.	Heavy snow Extremely high influent turbidity Chemical feedrates incr Flux low Major cleaning probs Tried H2SO4/H2O2 citric, nitric, & HCl acids to clean. Not effective. Added chemicals to TK2 & TK8.	Chemical feedrates increased. Extremely high influent flow	Chemical flowrates increased. Extremely high influent flow	Chemical flowrates increased Extremely high influent flow. Cleaning problems

Appendix F
Waste Characterization Data
1. Sludge (RS-8)
2. Carbon (RS-9)

OPERABLE UNIT NO 2 IM/IRA
Raw Data from RS8

T tal Radiochemi try
(Conc ntration Units pCi/g)

CHEMICAL	SAMPLE NUMBER	SAMPLE DATE	CONCENTRATION			ERROR
AMERICIUM 241	FT00364REU2	06/10/92	0 0066	J	A	0 0054
	FT00365REU2	06/10/92	0 0086	J	A	0 0065
	FT00366REU2	06/10/92	0 0341		A	0 0138
	FT00393REU2	07/14/92	0 0375		V	0 0156
	FT00394REU2	07/14/92	0 0532		V	0 0170
	FT00435REU2	08/25/92	0 0222			0 0114
	FT00434REU2	08/25/92	0 0239			0 0112
	FT00456REU2	10/16/92	0 0049	J		0 0023
	FT00455REU2	10/16/92	0 0151	J		0 0041
	FT00479REU2	11/17/92	0 0190	J		0 0083
	FT00488REU2	11/18/92	0 0253			0 0097
	FT00489REU2	12/01/92	0 0338			0 0126
	FT00490REU2	12/01/92	0 0411			0 0138
	FT00492REU2	12/08/92	0 0370			0 0151
	FT00491REU2	12/08/92	0 0448			0 0142
GROSS ALPHA	FT00364REU2	06/10/92	3 0320	J		2 1800
	FT00366REU2	06/10/92	3 4680	J		2 3700
	FT00365REU2	06/10/92	4 4270			2 4100
	FT00394REU2	07/14/92	5 4990			2 8100
	FT00393REU2	07/14/92	6 9280			3 2500
	FT00435REU2	08/25/92	5 1950			2 7800
	FT00434REU2	08/25/92	7 2370			3 1700
	FT00456REU2	10/16/92	1 6890	J		1 9700
	FT00455REU2	10/16/92	14 2100			4 6300
	FT00479REU2	11/17/92	11 2500			3 9100
	FT00488REU2	11/18/92	11 3300			4 2300
	FT00489REU2	12/01/92	12 3600			4 1300
	FT00490REU2	12/01/92	14 2700			4 3400
	FT00492REU2	12/08/92	11 5100			3 7000

QUALIFIER CODES U Analyzed but not detected J Indicates an estimated alue
I Indicates interference X Result is by calculation
GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J A ociated numerical value is an estimated value

OPERABLE UNIT NO 2 IM/IRA
R w Data from RSB

Total Radiochemistry
(Concentration Units pCi/g)

CHEMICAL	SAMPLE NUMBER	SAMPLE DATE	CONCENTRATION			ERROR
GROSS ALPHA	FT00491REU2	12/08/92	12 9400			4 1700
GROSS BETA	FT00366REU2	06/10/92	5 0400	J		1 5800
	FT00364REU2	06/10/92	6 1140	J		1 6500
	FT00365REU2	06/10/92	6 7430	J		1 6700
	FT00394REU2	07/14/92	5 3200	J		1 5600
	FT00393REU2	07/14/92	5 5560	J		1 5700
	FT00434REU2	08/25/92	6 6900	J		1 6700
	FT00435REU2	08/25/92	6 9570	J		1 7800
	FT00456REU2	10/16/92	4 1250	J		1 5600
	FT00455REU2	10/16/92	10 8000			2 0000
	FT00479REU2	11/17/92	6 9210	J		1 7000
	FT00488REU2	11/18/92	12 4000			2 1300
	FT00490REU2	12/01/92	11 1900			2 0000
	FT00489REU2	12/01/92	11 5900			2 0800
	FT00492REU2	12/08/92	10 7600			2 0000
	FT00491REU2	12/08/92	11 0900			2 0100
PLUTONIUM 239/240	FT00365REU2	06/10/92	0 0116	J	A	0 0097
	FT00364REU2	06/10/92	0 0145	J	A	0 0094
	FT00366REU2	06/10/92	0 0706		A	0 0182
	FT00393REU2	07/14/92	0 0760		A	0 0265
	FT00394REU2	07/14/92	0 0801		A	0 0311
	FT00435REU2	08/25/92	0 0347			0 0147
	FT00434REU2	08/25/92	0 0530			0 0157
	FT00456REU2	10/16/92	0 0041	J		0 0061
	FT00455REU2	10/16/92	0 0226	J		0 0099
	FT00479REU2	11/17/92	0 0350			0 0218
	FT00488REU2	11/18/92	0 0512			0 0160
	FT00489REU2	12/01/92	0 0665			0 0198

QUALIFIER CODES U Analyzed but not detected J Indicates an estimated value
I Indicates interference X Result is by calculation
GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated alue

OPERABLE UNIT NO 2 IM/IRA
R w Data f om RS8

T t l Rad ochemistry
(Concentration Units pCi/g)

CHEMICAL	SAMPLE NUMBER	SAMPLE DATE	CONCENTRATION		ERROR
PLUTONIUM 239/240	FT00490REU2	12/01/92	0 0839		0 0195
	FT00492REU2	12/08/92	0 0676		0 0287
	FT00491REU2	12/08/92	0 0702		0 0184
URANIUM TOTAL	FT00366REU2	06/10/92	8 8108	A	1 4440
	FT00365REU2	06/10/92	9 7106	R	1 5347
	FT00364REU2	06/10/92	9 9476	A	1 5649
	FT00394REU2	07/14/92	2 9722	V	0 7842
	FT00393REU2	07/14/92	3 5855	V	1 2010
	FT00435REU2	08/25/92	5 5177		1 3289
	FT00434REU2	08/25/92	6 9450		1 4590
	FT00456REU2	10/16/92	6 0312		0 9280
	FT00455REU2	10/16/92	20 5105		2 7304
	FT00479REU2	11/17/92	9 3329		1 8180
	FT00488REU2	11/18/92	8 1769		1 5393
	FT00490REU2	12/01/92	6 3159		1 1520
	FT00489REU2	12/01/92	8 5280		1 5682
	FT00491REU2	12/08/92	8 5636		1 6180
	FT00492REU2	12/08/92	9 4958		1 5666
URANIUM 233 234	FT00366REU2	06/10/92	4 3790	A	0 6810
	FT00365REU2	06/10/92	4 9320	R	0 7450
	FT00364REU2	06/10/92	5 2350	A	0 7810
	FT00394REU2	07/14/92	1 5140	V	0 3670
	FT00393REU2	07/14/92	1 8490	V	0 5660
	FT00435REU2	08/25/92	3 0680		0 6800
	FT00434REU2	08/25/92	3 4420		0 6800
	FT00456REU2	10/16/92	2 9320		0 4420
	FT00455REU2	10/16/92	10 2500		1 3500
	FT00479REU2	11/17/92	4 4520		0 8340

QUALIFIER CODES U Analyzed but not detected J Indicates an estimated value
I Indicates interference X Result is by calculation
GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value

OPERABLE UNIT NO 2 IM/IRA
R Data from RS8

T t l Radiochemi try
(Conc ntration Units pCi/g)

CHEMICAL	SAMPLE NUMBER	SAMPLE DATE	CONCENTRATION			ERROR
URANIUM 233 234	FT00488REU2	11/18/92	4 2500			0 7570
	FT00490REU2	12/01/92	3 3160			0 5690
	FT00489REU2	12/01/92	4 4320			0 7730
	FT00491REU2	12/08/92	4 1500			0 7500
	FT00492REU2	12/08/92	4 5990			0 7330
URANIUM 235	FT00365REU2	06/10/92	0 1806	J	R	0 0867
	FT00364REU2	06/10/92	0 2146	J	A	0 0949
	FT00366REU2	06/10/92	0 2808	J	A	0 1110
	FT00394REU2	07/14/92	0 0852	J	V	0 0732
	FT00393REU2	07/14/92	0 1075	J	V	0 1150
	FT00435REU2	08/25/92	0 0937	J		0 0879
	FT00434REU2	08/25/92	0 2210	J		0 1230
	FT00456REU2	10/16/92	0 0962	J		0 0340
	FT00455REU2	10/16/92	0 3405			0 0704
	FT00479REU2	11/17/92	0 1859	J		0 1140
	FT00488REU2	11/18/92	0 1449	J		0 0923
	FT00490REU2	12/01/92	0 1059	J		0 0700
	FT00489REU2	12/01/92	0 1460	J		0 0902
	FT00492REU2	12/08/92	0 1348	J		0 0786
	FT00491REU2	12/08/92	0 1946	J		0 1080
URANIUM 238	FT00366REU2	06/10/92	4 1510		A	0 6520
	FT00364REU2	06/10/92	4 4980		A	0 6890
	FT00365REU2	06/10/92	4 5980		R	0 7030
	FT00394REU2	07/14/92	1 3730		V	0 3440
	FT00393REU2	07/14/92	1 6290		V	0 5200
	FT00435REU2	08/25/92	2 3560			0 5610
	FT00434REU2	08/25/92	3 2820			0 6560
	FT08456REU2	10/16/92	3 0030			0 4520

QUALIFIER CODES U Analyzed but not detected J Indicates an estimated value
I Indicates interfe ence X Result is by calculation
GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J A sociated numerical value is an estimated value

OPERABLE UNIT NO 2 IM/IRA
Ra Data from RSB

T t l R di chemistry
(C nc nt ation Units pCi/g)

CHEMICAL	SAMPLE NUMBER	SAMPLE DATE	CONCENTRATION	ERROR
URANIUM 238	FT00455REU2	10/16/92	9 9200	1 3100
	FT00479REU2	11/17/92	4 6950	0 8700
	FT00488REU2	11/18/92	3 7820	0 6900
	FT00490REU2	12/01/92	2 8940	0 5130
	FT00489REU2	12/01/92	3 9500	0 7050
	FT00491REU2	12/08/92	4 2190	0 7600
	FT00492REU2	12/08/92	4 7620	0 7550

QUALIFIER CODES U Analyzed but not detected J Indicates an stimated alue
I Indicates interference X Result is by calculation
GENERAL CODES Missing
VALIDATION CODES V Valid A Ac eptable R Rejected J Associated numerical value is an estimated value

OPERABLE UNIT NO 2 IM/IRA
TCLP Data from RSB

Total M tals CLP & Non CLP
(Conc nt ation Units ug/l)

CHEMICAL	SAMPLE NUMBER	SAMPLE DATE	CONCENTRATION	DETECTION LIMIT
ARSENIC	FT00455REU2	10/16/92	54 20 U JA	500 00
	FT00456REU2	10/16/92	54 20 U JA	500 00
	FT00479REU2	11/17/92	87 20 U	500 00
	FT00488REU2	11/18/92	87 20 U	500 00
	FT00489REU2	12/01/92	87 20 U	500 00
	FT00490REU2	12/01/92	87 20 U	500 00
	FT00491REU2	12/08/92	87 20 U	500 00
	FT00492REU2	12/08/92	87 20 U	500 00
	FT00501REU2	12/17/92	87 20 U	500 00
	FT00507REU2	12/22/92	87 20 U	500 00
	FT00508REU2	12/22/92	87 20 U	500 00
	FT00509REU2	12/22/92	87 20 U	500 00
	FT00510REU2	12/22/92	87 20 U	500 00
	FT00528REU2	01/07/93	38 00 U	500 00
	FT00529REU2	01/07/93	38 00 U	500 00
	FT00530REU2	01/21/93	38 00 U	500 00
	FT00543REU2	02/04/93	38 00 U	500 00
	FT00544REU2	02/05/93	38 00 U	500 00
BARIUM	FT00456REU2	10/16/92	354 00 U JA	10 00
	FT00455REU2	10/16/92	2000 00 U JA	10 00
	FT00479REU2	11/17/92	1150 00	10 00
	FT00488REU2	11/18/92	1060 00	10 00
	FT00489REU2	12/01/92	958 00	10 00
	FT00490REU2	12/01/92	1140 00	10 00
	FT00491REU2	12/08/92	583 00	10 00
	FT00492REU2	12/08/92	1150 00	10 00
	FT00501REU2	12/17/92	708 00	10 00

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported alue was dete mined by method f standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associ ted numerical value is an estimated value

OPERABLE UNIT NO 2 IM/IRA
TCLP Data f om RSB

T tal Metals CLP & Non CLP
(Concentr tion Units ug/l)

CHEMICAL	SAMPLE NUMBER	SAMPLE DATE	CONCENTRATION	DETECTION LIMIT
BARIUM	FT00507REU2	12/22/92	785 00	10 00
	FT00508REU2	12/22/92	876 00	10 00
	FT00510REU2	12/22/92	904 00	10 00
	FT00509REU2	12/22/92	1000 00	10 00
	FT00528REU2	01/07/93	833 00	10 00
	FT00529REU2	01/07/93	882 00	10 00
	FT00530REU2	01/21/93	898 00	10 00
	FT00543REU2	02/04/93	756 00	10 00
	FT00544REU2	02/05/93	825 00	10 00
CADMIUM	FT00455REU2	10/16/92	4 40 U JA	10 00
	FT00456REU2	10/16/92	4 40 U JA	10 00
	FT00479REU2	11/17/92	4 10 U	10 00
	FT00488REU2	11/18/92	4 10 U	10 00
	FT00489REU2	12/01/92	4 90 B	10 00
	FT00490REU2	12/01/92	5 60 B	10 00
	FT00491REU2	12/08/92	4 10 U	10 00
	FT00492REU2	12/08/92	4 10 U	10 00
	FT00501REU2	12/17/92	5 20 B	10 00
	FT00509REU2	12/22/92	4 10 U	10 00
	FT00510REU2	12/22/92	4 10 U	10 00
	FT00507REU2	12/22/92	5 50 B	10 00
	FT00508REU2	12/22/92	5 70 B	10 00
	FT00528REU2	01/07/93	3 00 U	10 00
	FT00529REU2	01/07/93	4 70 B	10 00
	FT00530REU2	01/21/93	3 00 U	10 00
	FT00543REU2	02/04/93	6 00 B	10 00
	FT00544REU2	02/05/93	3 70 U	10 00

QUALIFIER CODES U Analyzed but not detected B Reported alue is less than CRDL but greater than IDL
E Result is estimated W Post dig stion spike out of control limits duplicate analysis outside control limits
S Reported alue was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptabl R R jected J Associa d numerical value is an estimated value

OPERABLE UNIT NO 2 IM/IRA
TCLP Data from RSB

T tal Metal CLP & Non CLP
(Conc ntration Units ug/l)

CHEMICAL	SAMPLE NUMBER	SAMPLE DATE	CONCENTRATION	DETECTION LIMIT
CHROMIUM	FT00455REU2	10/16/92	4 90 U JA	25 00
	FT00456REU2	10/16/92	4 90 U JA	25 00
	FT00479REU2	11/17/92	5 40 U	25 00
	FT00488REU2	11/18/92	5 40 U	25 00
	FT00489REU2	12/01/92	5 40 U	25 00
	FT00490REU2	12/01/92	5 40 U	25 00
	FT00491REU2	12/08/92	5 40 U	25 00
	FT00492REU2	12/08/92	5 40 U	25 00
	FT00501REU2	12/17/92	5 40 U	25 00
	FT00507REU2	12/22/92	5 40 U	25 00
	FT00508REU2	12/22/92	5 40 U	25 00
	FT00509REU2	12/22/92	5 40 U	25 00
	FT00510REU2	12/22/92	5 40 U	25 00
	FT00528REU2	01/07/93	4 00 U	25 00
	FT00529REU2	01/07/93	4 00 U	25 00
	FT00530REU2	01/21/93	4 00 U	25 00
	FT00543REU2	02/04/93	4 00 U	25 00
	FT00544REU2	02/05/93	4 00 U	25 00
LEAD	FT00455REU2	10/16/92	47 50 U JA	200 00
	FT00456REU2	10/16/92	47 50 U JA	200 00
	FT00479REU2	11/17/92	73 10 U	200 00
	FT00488REU2	11/18/92	73 10 U	200 00
	FT00489REU2	12/01/92	73 10 U	200 00
	FT00490REU2	12/01/92	73 10 U	200 00
	FT00491REU2	12/08/92	73 10 U	200 00
	FT00492REU2	12/08/92	73 10 U	200 00
	FT00501REU2	12/17/92	73 10 U	200 00

QUALIFIER CODES U Analyzed but not detected B Reported alue is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value

OPERABLE UNIT NO 2 IM/IRA
TCLP D ta from RSB

Total Met ls CLP & Non CLP
(Con nt ation Units ug/l)

CHEMICAL	SAMPLE NUMBER	SAMPLE DATE	CONCENTRATION	DETECTION LIMIT
LEAD	FT00507REU2	12/22/92	73 10 U	200 00
	FT00508REU2	12/22/92	73 10 U	200 00
	FT00509REU2	12/22/92	73 10 U	200 00
	FT00510REU2	12/22/92	73 10 U	200 00
	FT00528REU2	01/07/93	45 00 U	200 00
	FT00529REU2	01/07/93	45 00 U	200 00
	FT00530REU2	01/21/93	45 00 U	200 00
	FT00543REU2	02/04/93	45 00 U	200 00
	FT00544REU2	02/05/93	45 00 U	200 00
MERCURY	FT00455REU2	10/16/92	1 00 U JA	0 20
	FT00456REU2	10/16/92	1 00 U JA	0 20
	FT00479REU2	11/17/92	1 00 U	0 20
	FT00488REU2	11/18/92	1 00 U	2 00
	FT00489REU2	12/01/92	1 00 U	2 00
	FT00490REU2	12/01/92	1 00 U	2 00
	FT00491REU2	12/08/92	1 00 U	2 00
	FT00492REU2	12/08/92	1 00 U	2 00
	FT00501REU2	12/17/92	1 00 U	2 00
	FT00507REU2	12/22/92	1 00 U	2 00
	FT00508REU2	12/22/92	1 00 U	2 00
	FT00509REU2	12/22/92	1 00 U	2 00
	FT00510REU2	12/22/92	1 00 U	2 00
	FT00528REU2	01/07/93	1 00 U	0 20
	FT00529REU2	01/07/93	1 00 U	0 20
	FT00530REU2	01/21/93	1 00 U	0 20
	FT00543REU2	02/04/93	1 00 U	0 20
	FT00544REU2	02/05/93	1 00 U	0 20

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of contr l limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value

OPERABLE UNIT NO 2 IM/IRA
TCLP D ta f om RSB

T tal Metals CLP & Non CLP
(Concent tion Units ug/l)

CHEMICAL	SAMPLE NUMBER	SAMPLE DATE	CONCENTRATION	DETECTION LIMIT
SELENIUM	FT00455REU2	10/16/92	109 00 U JA	500 00
	FT00456REU2	10/16/92	109 00 U JA	500 00
	FT00479REU2	11/17/92	144 00 U	500 00
	FT00488REU2	11/18/92	144 00 U	500 00
	FT00489REU2	12/01/92	144 00 U	500 00
	FT00490REU2	12/01/92	144 00 U	500 00
	FT00491REU2	12/08/92	144 00 U	500 00
	FT00492REU2	12/08/92	144 00 U	500 00
	FT00501REU2	12/17/92	144 00 U	500 00
	FT00507REU2	12/22/92	144 00 U	500 00
	FT00508REU2	12/22/92	144 00 U	500 00
	FT00509REU2	12/22/92	144 00 U	500 00
	FT00510REU2	12/22/92	144 00 U	500 00
	FT00528REU2	01/07/93	76 00 U	500 00
	FT00529REU2	01/07/93	76 00 U	500 00
	FT00530REU2	01/21/93	76 00 U	500 00
	FT00543REU2	02/04/93	76 00 U	500 00
	FT00544REU2	02/05/93	76 00 U	500 00
SILVER	FT00456REU2	10/16/92	4 00 U R	20 00
	FT00455REU2	10/16/92	4 40 U JA	20 00
	FT00479REU2	11/17/92	6 00 U	20 00
	FT00488REU2	11/18/92	6 00 U	20 00
	FT00489REU2	12/01/92	6 00 U	20 00
	FT00490REU2	12/01/92	6 00 U	20 00
	FT00491REU2	12/08/92	6 00 U	20 00
	FT00492REU2	12/08/92	6 00 U	20 00
	FT00501REU2	12/17/92	6 00 U	20 00

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was dete mined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value

OPERABLE UNIT NO 2 IM/IRA
TCLP D ta from RS8

T tal Metals CLP & Non CLP
(Conce tr tion Units ug/l)

CHEMICAL	SAMPLE NUMBER	SAMPLE DATE	CONCENTRATION	DETECTION LIMIT
SILVER	FT00507REU2	12/22/92	6 00 U	20 00
	FT00508REU2	12/22/92	6 00 U	20 00
	FT00509REU2	12/22/92	6 00 U	20 00
	FT00510REU2	12/22/92	6 00 U	20 00
	FT00528REU2	01/07/93	4 00 U	20 00
	FT00529REU2	01/07/93	4 00 U	20 00
	FT00530REU2	01/21/93	4 00 U	20 00
	FT00543REU2	02/04/93	4 00 U	20 00
	FT00544REU2	02/05/93	4 00 U	20 00

QUALIFIER CODES U Analyzed but not dete ted B Reported alue is less than CRDL but greater than IDL
E Re ult is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported alue was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value

OPERABLE UNIT NO 2 IM/IRA
TCLP Data from RSB

Spe ial M tals
(Concentration Units ug/l)

CHEMICAL	SAMPLE NUMBER	SAMPLE DATE	CONCENTRATION	DETECTION LIMIT
ARSENIC	FT00364REU2	06/10/92	500 00 U V	500 00
	FT00365REU2	06/10/92	500 00 U V	500 00
	FT00366REU2	06/10/92	500 00 U V	500 00
	FT00393REU2	07/14/92	54 20 U V	500 00
	FT00394REU2	07/14/92	54 20 U V	500 00
	FT00434REU2	08/25/92	54 20 U	500 00
	FT00435REU2	08/25/92	54 20 U	500 00
BARIUM	FT00366REU2	06/10/92	1100 00 JA	10 00
	FT00364REU2	06/10/92	1120 00 JA	10 00
	FT00365REU2	06/10/92	1210 00 JA	10 00
	FT00394REU2	07/14/92	1390 00 U JA	10 00
	FT00393REU2	07/14/92	1420 00 U JA	10 00
	FT00434REU2	08/25/92	1030 00	10 00
	FT00435REU2	08/25/92	1050 00	10 00
CADMIUM	FT00364REU2	06/10/92	10 00 U JA	10 00
	FT00365REU2	06/10/92	10 00 U JA	10 00
	FT00366REU2	06/10/92	10 00 U JA	10 00
	FT00393REU2	07/14/92	4 40 U V	10 00
	FT00394REU2	07/14/92	4 40 U V	10 00
	FT00434REU2	08/25/92	4 40 U	10 00
	FT00435REU2	08/25/92	4 40 U	10 00
CHROMIUM	FT00364REU2	06/10/92	25 00 U V	25 00
	FT00365REU2	06/10/92	25 00 U V	25 00
	FT00366REU2	06/10/92	25 00 U V	25 00
	FT00393REU2	07/14/92	4 90 U JA	25 00

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value

OPERABLE UNIT NO 2 IM/IRA
TCLP D ta from RS8

Special M tals
(Concentr tion Units ug/l)

CHEMICAL	SAMPLE NUMBER	SAMPLE DATE	CONCENTRATION	DETECTION LIMIT
CHROMIUM	FT00394REU2	07/14/92	4 90 U V	25 00
	FT00434REU2	08/25/92	4 90 U	25 00
	FT00435REU2	08/25/92	4 90 U	25 00
LEAD	FT00364REU2	06/10/92	200 00 U V	200 00
	FT00365REU2	06/10/92	200 00 U V	200 00
	FT00366REU2	06/10/92	200 00 U V	200 00
	FT00393REU2	07/14/92	47 50 U V	200 00
	FT00394REU2	07/14/92	47 50 U V	200 00
	FT00434REU2	08/25/92	47 50 U	200 00
	FT00435REU2	08/25/92	47 50 U	200 00
MERCURY	FT00364REU2	06/10/92	2 00 U JA	0 20
	FT00365REU2	06/10/92	2 00 U JA	0 20
	FT00366REU2	06/10/92	2 00 U JA	0 20
	FT00393REU2	07/14/92	1 00 U V	0 20
	FT00394REU2	07/14/92	1 00 U V	0 20
	FT00434REU2	08/25/92	1 00 U	0 10
	FT00435REU2	08/25/92	1 00 U	0 10
SELENIUM	FT00364REU2	06/10/92	500 00 U V	500 00
	FT00365REU2	06/10/92	500 00 U V	500 00
	FT00366REU2	06/10/92	500 00 U V	500 00
	FT00393REU2	07/14/92	109 00 U V	500 00
	FT00394REU2	07/14/92	109 00 U V	500 00
	FT00435REU2	08/25/92	109 00 U	500 00
	FT00434REU2	08/25/92	110 00 B	500 00

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post dig stion spike out of control limits duplicate analysis outside control limits
S Reported alue was dete mined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Ass ciated numerical value is an estimated value

OPERABLE UNIT NO 2 IM/IRA
TCLP D ta from RSB

Speci l M tals
(Conc ntration Units ug/l)

CHEMICAL	SAMPLE NUMBER	SAMPLE DATE	CONCENTRATION	DETECTION LIMIT
SILVER	FT00364REU2	06/10/92	20 00 U JA	20 00
	FT00365REU2	06/10/92	20 00 U JA	20 00
	FT00366REU2	06/10/92	20 00 U JA	20 00
	FT00393REU2	07/14/92	4 00 U JA	20 00
	FT00394REU2	07/14/92	4 00 U JA	20 00
	FT00434REU2	08/25/92	4 00 U	20 00
	FT00435REU2	08/25/92	4 00 U	20 00

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard add tions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J As ociated numerical value is an estimated value

OPERABLE UNIT NO 2 IM/IRA
TCLP Data from RS8

Special Organi s
(Concent tion Units ug/l)

CHEMICAL	SAMPLE NUMBER	SAMPLE DATE	CONCENTRATION	DETECTION LIMIT
1 1 DICHLOROETHENE	FT00364REU2	06/10/92	50 00 U V	5 00
	FT00365REU2	06/10/92	50 00 U V	5 00
	FT00366REU2	06/10/92	50 00 U V	5 00
	FT00393REU2	07/14/92	50 00 U V	5 00
	FT00394REU2	07/14/92	50 00 U V	5 00
	FT00434REU2	08/25/92	50 00 U	5 00
	FT00455REU2	10/16/92	50 00 U	5 00
	FT00456REU2	10/16/92	50 00 U	5 00
	FT00479REU2	11/17/92	50 00 U	5 00
	FT00488REU2	11/18/92	50 00 U	5 00
	FT00489REU2	12/01/92	50 00 U	5 00
	FT00490REU2	12/01/92	50 00 U	5 00
	FT00491REU2	12/08/92	50 00 U	5 00
	FT00492REU2	12/08/92	50 00 U	5 00
	FT00501REU2	12/17/92	50 00 U	5 00
	FT00507REU2	12/22/92	50 00 U	5 00
	FT00508REU2	12/22/92	50 00 U	5 00
	FT00509REU2	12/22/92	50 00 U	5 00
	FT00510REU2	12/22/92	50 00 U	5 00
1 2 DICHLOROETHANE	FT00364REU2	06/10/92	50 00 U V	5 00
	FT00365REU2	06/10/92	50 00 U V	5 00
	FT00366REU2	06/10/92	50 00 U V	5 00
	FT00393REU2	07/14/92	50 00 U V	5 00
	FT00394REU2	07/14/92	50 00 U V	5 00
	FT00434REU2	08/25/92	50 00 U	5 00
	FT00455REU2	10/16/92	50 00 U	5 00
	FT00456REU2	10/16/92	50 00 U	5 00

QUALIFIER CODES U Analyzed but not detected B Analyte is found in the associated blank as well as the sample
E Concentration e ceeds cal ibration range of instrument J Reported alue is less than CRDL but greater than IDL
D Identification of an analysis at a secondary dilution fact r GENERAL CODES Missing
VALIDATION CODES V Valid A A ceptable R Rejected J Associated numerical value is an estimated value

OPERABLE UNIT NO 2 IM/IRA
TCLP Data f om RS8

Speci l Organics
(Con nt ation Units ug/l)

CHEMICAL	SAMPLE NUMBER	SAMPLE DATE	CONCENTRATION	DETECTION LIMIT
1 2 DICHLOROETHANE	FT00479REU2	11/17/92	50 00 U	5 00
	FT00488REU2	11/18/92	50 00 U	5 00
	FT00489REU2	12/01/92	50 00 U	5 00
	FT00490REU2	12/01/92	50 00 U	5 00
	FT00491REU2	12/08/92	50 00 U	5 00
	FT00492REU2	12/08/92	50 00 U	5 00
	FT00501REU2	12/17/92	50 00 U	5 00
	FT00507REU2	12/22/92	50 00 U	5 00
	FT00508REU2	12/22/92	50 00 U	5 00
	FT00509REU2	12/22/92	50 00 U	5 00
	FT00510REU2	12/22/92	50 00 U	5 00
2 BUTANONE	FT00364REU2	06/10/92	100 00 U V	10 00
	FT00365REU2	06/10/92	100 00 U V	10 00
	FT00366REU2	06/10/92	100 00 U V	10 00
	FT00393REU2	07/14/92	100 00 U R	10 00
	FT00394REU2	07/14/92	100 00 U R	10 00
	FT00434REU2	08/25/92	100 00 U	10 00
	FT00455REU2	10/16/92	100 00 U	10 00
	FT00456REU2	10/16/92	100 00 U	10 00
	FT00479REU2	11/17/92	100 00 U	10 00
	FT00488REU2	11/18/92	100 00 U	10 00
	FT00489REU2	12/01/92	100 00 U	10 00
	FT00490REU2	12/01/92	100 00 U	10 00
	FT00491REU2	12/08/92	100 00 U	10 00
	FT00492REU2	12/08/92	100 00 U	10 00
	FT00501REU2	12/17/92	100 00 U	10 00
	FT00507REU2	12/22/92	100 00 U	10 00

QUALIFIER CODES U Analyzed but not detected B Analyte is found in the associated blank as well as the sample
E Concentration exceeds calibration range of inst ument J Reported value is less than CRDL but greater than IDL
D Identification of an analysis at a secondary dilution factor GENERAL CODES Missing
VALIDATION CODES V Valid A A ceptable R R jected J Associated numerical value is an estimated value

OPERABLE UNIT NO 2 IM/IRA
TCLP Data from RSB

Special Organics
(Concentration Units ug/l)

CHEMICAL	SAMPLE NUMBER	SAMPLE DATE	CONCENTRATION	DETECTION LIMIT
2 BUTANONE	FT00508REU2	12/22/92	100 00 U	10 00
	FT00509REU2	12/22/92	100 00 U	10 00
	FT00510REU2	12/22/92	100 00 U	10 00
BENZENE	FT00364REU2	06/10/92	50 00 U V	5 00
	FT00365REU2	06/10/92	50 00 U V	5 00
	FT00366REU2	06/10/92	50 00 U V	5 00
	FT00393REU2	07/14/92	50 00 U V	5 00
	FT00394REU2	07/14/92	50 00 U V	5 00
	FT00434REU2	08/25/92	50 00 U	5 00
	FT00455REU2	10/16/92	50 00 U	5 00
	FT00456REU2	10/16/92	50 00 U	5 00
	FT00479REU2	11/17/92	50 00 U	5 00
	FT00488REU2	11/18/92	50 00 U	5 00
	FT00489REU2	12/01/92	50 00 U	5 00
	FT00490REU2	12/01/92	50 00 U	5 00
	FT00491REU2	12/08/92	50 00 U	5 00
	FT00492REU2	12/08/92	50 00 U	5 00
	FT00501REU2	12/17/92	50 00 U	5 00
	FT00507REU2	12/22/92	50 00 U	5 00
	FT00508REU2	12/22/92	50 00 U	5 00
	FT00509REU2	12/22/92	50 00 U	5 00
	FT00510REU2	12/22/92	50 00 U	5 00
CARBON TETRACHLORIDE	FT00364REU2	06/10/92	50 00 U V	5 00
	FT00365REU2	06/10/92	50 00 U V	5 00
	FT00366REU2	06/10/92	50 00 U V	5 00
	FT00393REU2	07/14/92	50 00 U V	5 00

QUALIFIER CODES U Analyzed but not detected B Analyte is found in the associated blank as well as the sample
E Concentration exceeds calibration ange of instrument J Reported value is less than CRDL but greater than IDL
D Identification of an analysis at a seconda y dilution factor GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value

OPERABLE UNIT NO 2 IM/IRA
TCLP Dat from RSB

Spe i l O gani s
(Concent ation Units ug/l)

CHEMICAL	SAMPLE NUMBER	SAMPLE DATE	CONCENTRATION	DETECTION LIMIT
CARBON TETRACHLORIDE	FT00394REU2	07/14/92	50 00 U V	5 00
	FT00434REU2	08/25/92	50 00 U	5 00
	FT00455REU2	10/16/92	50 00 U	5 00
	FT00456REU2	10/16/92	50 00 U	5 00
	FT00479REU2	11/17/92	50 00 U	5 00
	FT00488REU2	11/18/92	50 00 U	5 00
	FT00489REU2	12/01/92	50 00 U	5 00
	FT00490REU2	12/01/92	50 00 U	5 00
	FT00491REU2	12/08/92	50 00 U	5 00
	FT00492REU2	12/08/92	50 00 U	5 00
	FT00501REU2	12/17/92	50 00 U	5 00
	FT00507REU2	12/22/92	50 00 U	5 00
	FT00508REU2	12/22/92	50 00 U	5 00
	FT00509REU2	12/22/92	50 00 U	5 00
	FT00510REU2	12/22/92	50 00 U	5 00
CHLOROBENZENE	FT00364REU2	06/10/92	50 00 U V	5 00
	FT00365REU2	06/10/92	50 00 U V	5 00
	FT00366REU2	06/10/92	50 00 U V	5 00
	FT00393REU2	07/14/92	50 00 U V	5 00
	FT00394REU2	07/14/92	50 00 U V	5 00
	FT00434REU2	08/25/92	50 00 U	5 00
	FT00455REU2	10/16/92	50 00 U	5 00
	FT00456REU2	10/16/92	50 00 U	5 00
	FT00479REU2	11/17/92	50 00 U	5 00
	FT00488REU2	11/18/92	50 00 U	5 00
	FT00489REU2	12/01/92	50 00 U	5 00
	FT00490REU2	12/01/92	50 00 U	5 00

QUALIFIER CODES U Analyzed but not detected B Analyte is found in the associated blank as well as the sample
E Concentration exceeds calibration range of instrument J Reported value is less than CRDL but greater than IDL
D Identification of an analysis at a secondary dilution factor GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value

OPERABLE UNIT NO 2 IM/IRA
TCLP Data from RSB

Special O ganics
(Concent ation Units ug/l)

CHEMICAL	SAMPLE NUMBER	SAMPLE DATE	CONCENTRATION	DETECTION LIMIT
CHLOROBENZENE	FT00491REU2	12/08/92	50 00 U	5 00
	FT00492REU2	12/08/92	50 00 U	5 00
	FT00501REU2	12/17/92	50 00 U	5 00
	FT00507REU2	12/22/92	50 00 U	5 00
	FT00508REU2	12/22/92	50 00 U	5 00
	FT00509REU2	12/22/92	50 00 U	5 00
	FT00510REU2	12/22/92	50 00 U	5 00
CHLOROFORM	FT00364REU2	06/10/92	18 00 J A	5 00
	FT00365REU2	06/10/92	22 00 J A	5 00
	FT00366REU2	06/10/92	50 00 U V	5 00
	FT00394REU2	07/14/92	16 00 J A	5 00
	FT00393REU2	07/14/92	19 00 J A	5 00
	FT00434REU2	08/25/92	14 00 J	5 00
	FT00456REU2	10/16/92	62 00	5 00
	FT00455REU2	10/16/92	130 00	5 00
	FT00479REU2	11/17/92	50 00 U	5 00
	FT00488REU2	11/18/92	50 00 U	5 00
	FT00489REU2	12/01/92	50 00 U	5 00
	FT00490REU2	12/01/92	50 00 U	5 00
	FT00491REU2	12/08/92	50 00 U	5 00
	FT00492REU2	12/08/92	50 00 U	5 00
	FT00501REU2	12/17/92	50 00 U	5 00
	FT00507REU2	12/22/92	50 00 U	5 00
	FT00508REU2	12/22/92	50 00 U	5 00
	FT00509REU2	12/22/92	50 00 U	5 00
	FT00510REU2	12/22/92	50 00 U	5 00

QUALIFIER CODES U Analyzed but not detected B Analyte is found in the associated blank as well as the sample
E Concentration exceeds calibration range of instrument J Reported value is less than CRDL but greater than IDL
D Identification of an analysis at a secondary dilution fa tor GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value

OPERABLE UNIT NO 2 IM/IRA
TCLP Data from RS8

Spe i l O ganics
(Concent ation Units ug/l)

CHEMICAL	SAMPLE NUMBER	SAMPLE DATE	CONCENTRATION	DETECTION LIMIT
TETRACHLOROETHENE	F100364REU2	06/10/92	50 00 U V	5 00
	F100365REU2	06/10/92	50 00 U V	5 00
	F100366REU2	06/10/92	50 00 U V	5 00
	F100393REU2	07/14/92	50 00 U V	5 00
	F100394REU2	07/14/92	50 00 U V	5 00
	F100434REU2	08/25/92	50 00 U	5 00
	F100455REU2	10/16/92	50 00 U	5 00
	F100456REU2	10/16/92	50 00 U	5 00
	F100479REU2	11/17/92	50 00 U	5 00
	F100488REU2	11/18/92	50 00 U	5 00
	F100489REU2	12/01/92	50 00 U	5 00
	F100490REU2	12/01/92	50 00 U	5 00
	F100491REU2	12/08/92	50 00 U	5 00
	F100492REU2	12/08/92	50 00 U	5 00
	F100501REU2	12/17/92	50 00 U	5 00
	F100507REU2	12/22/92	50 00 U	5 00
	F100508REU2	12/22/92	50 00 U	5 00
	F100509REU2	12/22/92	50 00 U	5 00
	F100510REU2	12/22/92	50 00 U	5 00
TRICHLOROETHENE	F100364REU2	06/10/92	50 00 U V	5 00
	F100365REU2	06/10/92	50 00 U V	5 00
	F100366REU2	06/10/92	50 00 U V	5 00
	F100393REU2	07/14/92	50 00 U V	5 00
	F100394REU2	07/14/92	50 00 U V	5 00
	F100434REU2	08/25/92	50 00 U	5 00
	F100455REU2	10/16/92	50 00 U	5 00
	F100456REU2	10/16/92	50 00 U	5 00

QUALIFIER CODES U Analyzed but not detected B Analyte is found in the associated blank as well as the sample
E Concentration exceeds calibration range f inst ument J Reported value is less than CRDL but greater than IDL
D Identifi ation of an analysis at a secondary dilution factor GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value

OPERABLE UNIT NO 2 IM/IRA
TCLP D ta from RSB

Special Organ s
(Concent ation Units ug/l)

CHEMICAL	SAMPLE NUMBER	SAMPLE DATE	CONCENTRATION	DETECTION LIMIT
TRICHLOROETHENE	FT00479REU2	11/17/92	50 00 U	5 00
	FT00488REU2	11/18/92	50 00 U	5 00
	FT00489REU2	12/01/92	50 00 U	5 00
	FT00490REU2	12/01/92	50 00 U	5 00
	FT00491REU2	12/08/92	50 00 U	5 00
	FT00492REU2	12/08/92	50 00 U	5 00
	FT00501REU2	12/17/92	50 00 U	5 00
	FT00507REU2	12/22/92	50 00 U	5 00
	FT00508REU2	12/22/92	50 00 U	5 00
	FT00509REU2	12/22/92	50 00 U	5 00
	FT00510REU2	12/22/92	50 00 U	5 00
VINYL CHLORIDE	FT00364REU2	06/10/92	100 00 U V	10 00
	FT00365REU2	06/10/92	100 00 U V	10 00
	FT00366REU2	06/10/92	100 00 U V	10 00
	FT00393REU2	07/14/92	100 00 U V	10 00
	FT00394REU2	07/14/92	100 00 U V	10 00
	FT00434REU2	08/25/92	100 00 U	10 00
	FT00455REU2	10/16/92	100 00 U	10 00
	FT00456REU2	10/16/92	100 00 U	10 00
	FT00479REU2	11/17/92	100 00 U	10 00
	FT00488REU2	11/18/92	100 00 U	10 00
	FT00489REU2	12/01/92	100 00 U	10 00
	FT00490REU2	12/01/92	100 00 U	10 00
	FT00491REU2	12/08/92	100 00 U	10 00
	FT00492REU2	12/08/92	100 00 U	10 00
	FT00501REU2	12/17/92	100 00 U	10 00
	FT00507REU2	12/22/92	100 00 U	10 00

QUALIFIER CODES U Analyzed but not detected B Analyte is found in the associated blank as well as the sample
E Concentration exceeds calibration range of instrument J Reported value is less than CRDL but greater than IDL
D Identification of an analysis at a secondary dilution factor GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value

OPERABLE UNIT NO 2 IM/IRA
TCLP D t f om RS8

Spe al O ganics
(Conce t tion Units ug/l)

CHEMICAL	SAMPLE NUMBER	SAMPLE DATE	CONCENTRATION	DETECTION LIMIT
VINYL CHLORIDE	FT00508REU2	12/22/92	100 00 U	10 00
	FT00509REU2	12/22/92	100 00 U	10 00
	FT00510REU2	12/22/92	100 00 U	10 00

QUALIFIER CODES U Analyzed but not detected B Analyt is found in the associated blank as well as the sample
E Concentration exceeds calibration range of instrument J Reported value is less than CRDL but greater than IDL
D Identif ation of an analysis at a seconda y dilution factor GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value

OPERABLE UNIT NO 2 IM/IRA
TCLP Data from RS8

TCLP V l til s
(Concentr tion Units ug/l)

CHEMICAL	SAMPLE NUMBER	SAMPLE DATE	CONCENTRATION	DETECTION LIMIT
1 1 DICHLOROETHENE	FT00528REU2	01/07/93	50 00 U	5 00
	FT00529REU2	01/07/93	50 00 U	5 00
	FT00530REU2	01/21/93	50 00 U	5 00
	FT00543REU2	02/04/93	50 00 U	5 00
	FT00544REU2	02/05/93	50 00 U	5 00
1 2 DICHLOROETHANE	FT00528REU2	01/07/93	50 00 U	5 00
	FT00529REU2	01/07/93	50 00 U	5 00
	FT00530REU2	01/21/93	50 00 U	5 00
	FT00543REU2	02/04/93	50 00 U	5 00
	FT00544REU2	02/05/93	50 00 U	5 00
2 BUTANONE	FT00528REU2	01/07/93	100 00 U	10 00
	FT00529REU2	01/07/93	100 00 U	10 00
	FT00530REU2	01/21/93	100 00 U	10 00
	FT00543REU2	02/04/93	100 00 U	10 00
	FT00544REU2	02/05/93	100 00 U	10 00
BENZENE	FT00528REU2	01/07/93	50 00 U	5 00
	FT00529REU2	01/07/93	50 00 U	5 00
	FT00530REU2	01/21/93	50 00 U	5 00
	FT00543REU2	02/04/93	50 00 U	5 00
	FT00544REU2	02/05/93	50 00 U	5 00
CARBON TETRACHLORIDE	FT00528REU2	01/07/93	50 00 U	5 00
	FT00529REU2	01/07/93	50 00 U	5 00
	FT00530REU2	01/21/93	50 00 U	5 00
	FT00543REU2	02/04/93	50 00 U	5 00

QUALIFIER CODES U Analyzed but not detected B Analyte is found in the associated blank as well as the sample
E Concentration exceeds calibration range of instrument J Reported value is less than CRDL but greater than IDL
D Identification of an analysis at a secondary dilution factor GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value

OPERABLE UNIT NO 2 IM/IRA
TCLP Data from RSB

TCLP V latiles
(Concent ation Units ug/l)

CHEMICAL	SAMPLE NUMBER	SAMPLE DATE	CONCENTRATION	DETECTION LIMIT
CARBON TETRACHLORIDE	FT00544REU2	02/05/93	50 00 U	5 00
CHLOROBENZENE	FT00528REU2	01/07/93	50 00 U	5 00
	FT00529REU2	01/07/93	50 00 U	5 00
	FT00530REU2	01/21/93	50 00 U	5 00
	FT00543REU2	02/04/93	50 00 U	5 00
	FT00544REU2	02/05/93	50 00 U	5 00
CHLOROFORM	FT00528REU2	01/07/93	50 00 U	5 00
	FT00529REU2	01/07/93	50 00 U	5 00
	FT00530REU2	01/21/93	50 00 U	5 00
	FT00543REU2	02/04/93	50 00 U	5 00
	FT00544REU2	02/05/93	50 00 U	5 00
TETRACHLOROETHENE	FT00528REU2	01/07/93	50 00 U	5 00
	FT00529REU2	01/07/93	50 00 U	5 00
	FT00530REU2	01/21/93	50 00 U	5 00
	FT00543REU2	02/04/93	50 00 U	5 00
	FT00544REU2	02/05/93	50 00 U	5 00
TRICHLOROETHENE	FT00528REU2	01/07/93	50 00 U	5 00
	FT00529REU2	01/07/93	50 00 U	5 00
	FT00530REU2	01/21/93	50 00 U	5 00
	FT00543REU2	02/04/93	50 00 U	5 00
	FT00544REU2	02/05/93	50 00 U	5 00
VINYL CHLORIDE	FT00528REU2	01/07/93	100 00 U	10 00
	FT00529REU2	01/07/93	100 00 U	10 00

QUALIFIER CODES U Analyzed but not detected B Analyte is found in the associated blank as well as the sample
E Concentration exceeds alibration range of instrument J Reported value is less than CRDL but greater than IDL
D Identification of an analysis at a secondary dilution factor GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical alue is an estimated value

OPERABLE UNIT NO 2 IM/IRA
TCLP Data from RSB

TCLP Volatiles
(Concent ation Units ug/l)

CHEMICAL	SAMPLE NUMBER	SAMPLE DATE	CONCENTRATION	DETECTION LIMIT
VINYL CHLORIDE	FT00530REU2	01/21/93	100 00 U	10 00
	FT00543REU2	02/04/93	100 00 U	10 00
	FT00544REU2	02/05/93	100 00 U	10 00

QUALIFIER CODES U Analyzed but not dete ted B Analyte is found in the associated blank as well as the sample
E Concentration exceeds calibration range of inst ument J Reported value is less than CRDL but greater than IDL
D Identification of an analysis at a secondary dilution factor GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value

OPERABLE UNIT NO 2 IM/IRA
R w Data f om RS9

Dissol ed Radi chemi try
(Concent ation Units pCi/l)

CHEMICAL	SAMPLE NUMBER	SAMPLE DATE	CONCENTRATION			ERROR
GROSS ALPHA	FT00406REU2	07/21/92	4 4370			2 2300
GROSS BETA	FT00406REU2	07/21/92	3 7170	J		13 5000
URANIUM TOTAL	FT00406REU2	07/21/92	3 1242		A	1 1706
URANIUM 233 234	FT00406REU2	07/21/92	1 5220		A	0 5720
URANIUM 235	FT00406REU2	07/21/92	0 0038	J	A	0 0076
URANIUM 238	FT00406REU2	07/21/92	1 6060		A	0 5910

QUALIFIER CODES U Analyzed but not detected J Indicates an estimated value
I Indicates interference X Result is by calculation
GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value

OPERABLE UNIT NO 2 IM/IRA
Ra D ta from RS9

T t l Radi chemistry
(Concent ation Units pCi/l)

CHEMICAL	SAMPLE NUMBER	SAMPLE DATE	CONCENTRATION			ERROR
AMERICIUM 241	FT00406REU2	07/21/92	0 0154		A	0 0099
GROSS ALPHA	FT00406REU2	07/21/92	3 4340			1 8200
GROSS BETA	FT00406REU2	07/21/92	2 6280	J		1 7900
PLUTONIUM 239/240	FT00406REU2	07/21/92	0 0131		A	0 0080
URANIUM TOTAL	FT00406REU2	07/21/92	4 1926		A	1 3109
URANIUM 233 234	FT00406REU2	07/21/92	2 3950		A	0 7060
URANIUM 235	FT00406REU2	07/21/92	0 0034	J	A	0 0069
URANIUM 238	FT00406REU2	07/21/92	1 8010		A	0 5980

QUALIFIER CODES U Analyzed but not detected J Indicates an estimated value
I Indicates interference X Result is by calculation
GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated alue

OPERABLE UNIT NO 2 IM/IRA
Dat from Raw Ca bon

T t l Radiochemistry
(Concent ation Units pCi/g)

CHEMICAL	SAMPLE NUMBER	SAMPLE DATE	CONCENTRATION		ERROR
AMERICIUM 241	FT00203REU2	12/26/91	0 0021	J	0 0025
CESIUM 137	FT00203REU2	12/26/91	0 0050	J	0 0169
GROSS ALPHA	FT00203REU2	12/26/91	4 0110		2 2600
GROSS BETA	FT00203REU2	12/26/91	1 4380	J	1 2300
PLUTONIUM 239/240	FT00203REU2	12/26/91	0 0005	J	0 0010
RADIUM 226	FT00203REU2	12/26/91	0 5020		0 0770
RADIUM 228	FT00203REU2	12/26/91	0 2186	J	0 0761
STRONTIUM 89 90	FT00203REU2	12/26/91	0 1588	J	0 0697
TRITIUM	FT00203REU2	12/26/91	21 1500	J	218 0000
URANIUM 233 234	FT00203REU2	12/26/91	0 4078		0 0947
URANIUM 235	FT00203REU2	12/26/91	0 0188	J	0 0162
URANIUM 238	FT00203REU2	12/26/91	0 3781		0 0899

QUALIFIER CODES U Analyzed but not detected J Indicates an estimated value
I Indicates interference X Result is by calculation
GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value

OPERABLE UNIT NO 2 IM/IRA
R w Data from AS7

Total M tals CLP & Non CLP
(Concentration Units ug/l)

CHEMICAL	SAMPLE NUMBER	SAMPLE DATE	CONCENTRATION	DETECTION LIMIT
ARSENIC	FT00199REU2	12/26/91	103 00 U V	100 00
	FT00202REU2	12/26/91	103 00 U V	100 00
	FT00230REU2	01/20/92	108 00 U V	100 00
	FT00233REU2	01/20/92	109 00 U V	100 00
BARIUM	FT00199REU2	12/26/91	525 00 V	50 00
	FT00202REU2	12/26/91	720 00 V	50 00
	FT00233REU2	01/20/92	750 00 V	50 00
	FT00230REU2	01/20/92	887 00 V	50 00
CADMIUM	FT00199REU2	12/26/91	55 00 U JA	50 00
	FT00202REU2	12/26/91	55 80 U JA	50 00
	FT00233REU2	01/20/92	59 50 U V	50 00
	FT00230REU2	01/20/92	60 00 U V	50 00
CHROMIUM	FT00199REU2	12/26/91	56 10 U V	50 00
	FT00202REU2	12/26/91	56 80 U V	50 00
	FT00233REU2	01/20/92	60 00 U V	50 00
	FT00230REU2	01/20/92	60 40 U V	50 00
LEAD	FT00199REU2	12/26/91	54 00 U V	50 00
	FT00202REU2	12/26/91	54 60 U V	50 00
	FT00233REU2	01/20/92	57 30 U V	50 00
	FT00230REU2	01/20/92	57 70 U V	50 00
MERCURY	FT00202REU2	12/26/91	10 90 U V	
	FT00199REU2	12/26/91	11 00 U V	
	FT00230REU2	01/20/92	10 50 U V	

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J A sociated numerical value is an estimated value

OPERABLE UNIT NO 2 IM/IRA
Ra Data from AS7

Tot l Metals CLP & Non CLP
(Concentration Units ug/l)

CHEMICAL	SAMPLE NUMBER	SAMPLE DATE	CONCENTRATION	DETECTION LIMIT
MERCURY	FT00233REU2	01/20/92	11 10 U V	
SELENIUM	FT00199REU2	12/26/91	100 00 U V	100 00
	FT00202REU2	12/26/91	100 00 U V	100 00
	FT00230REU2	01/20/92	110 00 U V	100 00
	FT00233REU2	01/20/92	117 00 U V	100 00
SILVER	FT00199REU2	12/26/91	77 20 U V	50 00
	FT00202REU2	12/26/91	77 60 U V	50 00
	FT00230REU2	01/20/92	66 80 U V	50 00
	FT00233REU2	01/20/92	80 20 U V	50 00

QUALIFIER CODES U Analyzed but not detected B Reported alue is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value

OPERABLE UNIT NO 2 IM/IRA
R W Data from AS7

Special Metals
(Concentration Units ug/l)

CHEMICAL	SAMPLE NUMBER	SAMPLE DATE	CONCENTRATION	DETECTION LIMIT
ARSENIC	FT00355REU2	06/09/92	500 00 U V	500 00
	FT00357REU2	06/09/92	500 00 U V	500 00
	FT00372REU2	06/17/92	500 00 U V	500 00
	FT00373REU2	06/17/92	500 00 U V	500 00
BARIUM	FT00357REU2	06/09/92	485 00 U JA	10 00
	FT00355REU2	06/09/92	698 00 U JA	10 00
	FT00373REU2	06/17/92	173 00 U JA	10 00
	FT00372REU2	06/17/92	270 00 U JA	10 00
CADMIUM	FT00355REU2	06/09/92	10 00 U V	10 00
	FT00357REU2	06/09/92	10 00 U V	10 00
	FT00372REU2	06/17/92	10 00 U V	10 00
	FT00373REU2	06/17/92	10 00 U V	10 00
CHROMIUM	FT00355REU2	06/09/92	25 00 U V	25 00
	FT00357REU2	06/09/92	25 00 U V	25 00
	FT00372REU2	06/17/92	25 00 U V	25 00
	FT00373REU2	06/17/92	25 00 U V	25 00
LEAD	FT00355REU2	06/09/92	200 00 U V	200 00
	FT00357REU2	06/09/92	200 00 U V	200 00
	FT00372REU2	06/17/92	200 00 U V	200 00
	FT00373REU2	06/17/92	200 00 U V	200 00
MERCURY	FT00355REU2	06/09/92	2 00 U JA	0 20
	FT00357REU2	06/09/92	2 00 U JA	0 20
	FT00372REU2	06/17/92	2 00 U V	0 20

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value

OPERABLE UNIT NO 2 IM/IRA
Raw Data f om AS7

Special M tals
(Concent ation Units ug/l)

CHEMICAL	SAMPLE NUMBER	SAMPLE DATE	CONCENTRATION	DETECTION LIMIT
MERCURY	FT00373REU2	06/17/92	2 00 U JA	0 20
SELENIUM	FT00355REU2	06/09/92	500 00 U V	500 00
	FT00357REU2	06/09/92	500 00 U V	500 00
	FT00372REU2	06/17/92	500 00 U V	500 00
	FT00373REU2	06/17/92	500 00 U V	500 00
SILVER	FT00355REU2	06/09/92	20 00 U JA	20 00
	FT00357REU2	06/09/92	20 00 U JA	20 00
	FT00372REU2	06/17/92	20 00 U JA	20 00
	FT00373REU2	06/17/92	20 00 U JA	20 00

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value

OPERABLE UNIT NO 2 IM/IRA
R w Data from AS7

O ganochlo ine Herbs EPA Method 8150
(Conc ntration Units ug/l)

CHEMICAL	SAMPLE NUMBER	SAMPLE DATE	CONCENTRATION	DETECTION LIMIT
2 4 DICHLOROPHENOXYACETIC ACID	FT00199REU2	12/26/91	1 00 U JA	1 00
	FT00202REU2	12/26/91	1 00 U JA	1 00
	FT00233REU2	01/20/92	0 94 U JA	0 94
	FT00230REU2	01/20/92	0 96 U V	0 96
PROPANOIC ACID 2 (2 4 5 TRICH	FT00199REU2	12/26/91	1 00 U JA	1 00
	FT00202REU2	12/26/91	1 00 U JA	1 00
	FT00233REU2	01/20/92	0 94 U JA	0 94
	FT00230REU2	01/20/92	0 96 U V	0 96

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value

OPERABLE UNIT NO 2 IM/IRA
Ra Data from AS7

CLP Volatiles
(Concent ation Units ug/l)

CHEMICAL	SAMPLE NUMBER	SAMPLE DATE	CONCENTRATION	DETECTION LIMIT
1 1 1 TRICHLOROETHANE	FT00199REU2	12/26/91	2 00 J A	5 00
	FT00202REU2	12/26/91	3 00 J A	5 00
	FT00233REU2	01/20/92	6 00 U JA	5 00
	FT00230REU2	01/20/92	12 00 U JA	5 00
1 1 2 2 TETRACHLOROETHANE	FT00199REU2	12/26/91	5 00 U V	5 00
	FT00202REU2	12/26/91	5 00 U V	5 00
	FT00230REU2	01/20/92	5 00 U V	5 00
	FT00233REU2	01/20/92	5 00 U V	5 00
1 1 2 TRICHLOROETHANE	FT00199REU2	12/26/91	5 00 U V	5 00
	FT00202REU2	12/26/91	5 00 U V	5 00
	FT00230REU2	01/20/92	5 00 U V	5 00
	FT00233REU2	01/20/92	5 00 U V	5 00
1 1 DICHLOROETHANE	FT00199REU2	12/26/91	3 00 J A	5 00
	FT00202REU2	12/26/91	4 00 J A	5 00
	FT00233REU2	01/20/92	5 00 V	5 00
	FT00230REU2	01/20/92	6 00 V	5 00
1 1 DICHLOROETHENE	FT00199REU2	12/26/91	5 00 U V	5 00
	FT00202REU2	12/26/91	5 00 U V	5 00
	FT00230REU2	01/20/92	5 00 U V	5 00
	FT00233REU2	01/20/92	5 00 U V	5 00
1 2 DICHLOROETHANE	FT00199REU2	12/26/91	5 00 U V	5 00
	FT00202REU2	12/26/91	5 00 U V	5 00
	FT00230REU2	01/20/92	5 00 U V	5 00

QUALIFIER CODES U Analyzed but not detected B Analyte is found in the associated blank as well as the sample
E Concentration exceeds calibration ange of instrument J Reported value is less than CRDL but greater than IDL
D Identification of an analysis at a secondary d lution factor GENERAL CODES Missing
VALIDATION CODES V Valid A Ac eptable R Rejected J Associated numerical value is an estimated value

OPERABLE UNIT NO 2 IM/IRA
Ra Data from AS7

CLP Volatiles
(Concent ation Units ug/l)

CHEMICAL	SAMPLE NUMBER	SAMPLE DATE	CONCENTRATION	DETECTION LIMIT
1 2 DICHLOROETHANE	FT00233REU2	01/20/92	5 00 U V	5 00
1 2 DICHLOROETHENE	FT00199REU2	12/26/91	60 00 JA	5 00
	FT00202REU2	12/26/91	65 00 JA	5 00
	FT00233REU2	01/20/92	51 00 V	5 00
	FT00230REU2	01/20/92	81 00 V	5 00
1 2 DICHLOROPROPANE	FT00199REU2	12/26/91	5 00 U V	5 00
	FT00202REU2	12/26/91	5 00 U V	5 00
	FT00230REU2	01/20/92	5 00 U V	5 00
	FT00233REU2	01/20/92	5 00 U V	5 00
2 BUTANONE	FT00199REU2	12/26/91	10 00 U V	10 00
	FT00202REU2	12/26/91	10 00 U V	10 00
	FT00230REU2	01/20/92	10 00 U V	10 00
	FT00233REU2	01/20/92	10 00 U V	10 00
2 HEXANONE	FT00199REU2	12/26/91	10 00 U V	10 00
	FT00202REU2	12/26/91	10 00 U V	10 00
	FT00230REU2	01/20/92	10 00 U V	10 00
	FT00233REU2	01/20/92	10 00 U V	10 00
4 METHYL 2 PENTANONE	FT00199REU2	12/26/91	10 00 U V	10 00
	FT00202REU2	12/26/91	10 00 U V	10 00
	FT00230REU2	01/20/92	10 00 U V	10 00
	FT00233REU2	01/20/92	10 00 U V	10 00
ACETONE	FT00199REU2	12/26/91	48 00 U JA	10 00

QUALIFIER CODES U Analyzed but not detected B Analyte is found in the associated blank as well as the sample
E Concentration exceeds calibration range of instrument J Reported value is less than CRDL but greater than IDL
D Identification of an analysis at a secondary dilution factor GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value

OPERABLE UNIT NO 2 IM/IRA
R Data from AS7

CLP Volatiles
(Concentration Units ug/l)

CHEMICAL	SAMPLE NUMBER	SAMPLE DATE	CONCENTRATION	DETECTION LIMIT
ACETONE	FT00202REU2	12/26/91	66 00 U JA	10 00
	FT00230REU2	01/20/92	410 00 U JA	20 00
	FT00233REU2	01/20/92	990 00 U JA	100 00
BENZENE	FT00199REU2	12/26/91	5 00 U V	5 00
	FT00202REU2	12/26/91	5 00 U V	5 00
	FT00230REU2	01/20/92	5 00 U V	5 00
	FT00233REU2	01/20/92	5 00 U V	5 00
BROMODICHLOROMETHANE	FT00199REU2	12/26/91	5 00 U V	5 00
	FT00202REU2	12/26/91	5 00 U V	5 00
	FT00230REU2	01/20/92	5 00 U V	5 00
	FT00233REU2	01/20/92	5 00 U V	5 00
BROMOFORM	FT00199REU2	12/26/91	5 00 U V	5 00
	FT00202REU2	12/26/91	5 00 U V	5 00
	FT00230REU2	01/20/92	5 00 U V	5 00
	FT00233REU2	01/20/92	5 00 U V	5 00
BROMOMETHANE	FT00199REU2	12/26/91	10 00 U V	10 00
	FT00202REU2	12/26/91	10 00 U V	10 00
	FT00230REU2	01/20/92	10 00 U V	10 00
	FT00233REU2	01/20/92	10 00 U V	10 00
CARBON DISULFIDE	FT00199REU2	12/26/91	5 00 U V	5 00
	FT00202REU2	12/26/91	5 00 U V	5 00
	FT00230REU2	01/20/92	5 00 U V	5 00
	FT00233REU2	01/20/92	5 00 U V	5 00

QUALIFIER CODES U Analyzed but not detected B Analyte is found in the associated blank as well as the sample
E Concentration exceeds calibration range of instrument J Reported value is less than CRDL but greater than IDL
D Identification of an analysis at a secondary dilution factor GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value

OPERABLE UNIT NO 2 IM/IRA
R w Data from AS7

CLP Volatiles
(Concentration Units ug/l)

CHEMICAL	SAMPLE NUMBER	SAMPLE DATE	CONCENTRATION	DETECTION LIMIT
CARBON TETRACHLORIDE	FT00199REU2	12/26/91	3 00 J A	5 00
	FT00202REU2	12/26/91	5 00 V	5 00
	FT00233REU2	01/20/92	5 00 V	5 00
	FT00230REU2	01/20/92	10 00 V	5 00
CHLOROBENZENE	FT00199REU2	12/26/91	5 00 U V	5 00
	FT00202REU2	12/26/91	5 00 U V	5 00
	FT00230REU2	01/20/92	5 00 U V	5 00
	FT00233REU2	01/20/92	5 00 U V	5 00
CHLOROETHANE	FT00199REU2	12/26/91	10 00 U V	10 00
	FT00202REU2	12/26/91	10 00 U V	10 00
	FT00230REU2	01/20/92	10 00 U V	10 00
	FT00233REU2	01/20/92	10 00 U V	10 00
CHLOROFORM	FT00199REU2	12/26/91	6 00 V	5 00
	FT00202REU2	12/26/91	7 00 V	5 00
	FT00233REU2	01/20/92	8 00 V	5 00
	FT00230REU2	01/20/92	9 00 V	5 00
CHLOROMETHANE	FT00199REU2	12/26/91	10 00 U V	10 00
	FT00202REU2	12/26/91	10 00 U V	10 00
	FT00230REU2	01/20/92	10 00 U V	10 00
	FT00233REU2	01/20/92	10 00 U V	10 00
DIBROMOCHLOROMETHANE	FT00199REU2	12/26/91	5 00 U V	5 00
	FT00202REU2	12/26/91	5 00 U V	5 00
	FT00230REU2	01/20/92	5 00 U V	5 00

QUALIFIER CODES U Analyzed but not detected B Analyte is found in the associated blank as well as the sample
E Concentration exceeds calibration range of instrument J Reported alue is less than CRDL but greater than IDL
D Identification of an analysis at a secondary dilution factor GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value

OPERABLE UNIT NO 2 IN/IRA
R w Data from AS7

CLP Volatiles
(Concentration Units ug/l)

CHEMICAL	SAMPLE NUMBER	SAMPLE DATE	CONCENTRATION	DETECTION LIMIT
DIBROMOCHLOROMETHANE	FT00233REU2	01/20/92	5 00 U V	5 00
ETHYLBENZENE	FT00199REU2	12/26/91	5 00 U V	5 00
	FT00202REU2	12/26/91	5 00 U V	5 00
	FT00230REU2	01/20/92	5 00 U V	5 00
	FT00233REU2	01/20/92	5 00 U V	5 00
METHYLENE CHLORIDE	FT00202REU2	12/26/91	56 00 B V	5 00
	FT00199REU2	12/26/91	140 00 B V	5 00
	FT00233REU2	01/20/92	15 00 U JA	5 00
	FT00230REU2	01/20/92	41 00 U JA	5 00
STYRENE	FT00199REU2	12/26/91	5 00 U V	5 00
	FT00202REU2	12/26/91	5 00 U V	5 00
	FT00230REU2	01/20/92	5 00 U V	5 00
	FT00233REU2	01/20/92	5 00 U V	5 00
TETRACHLOROETHENE	FT00199REU2	12/26/91	5 00 U V	5 00
	FT00202REU2	12/26/91	5 00 U V	5 00
	FT00230REU2	01/20/92	5 00 U V	5 00
	FT00233REU2	01/20/92	5 00 U V	5 00
TOLUENE	FT00199REU2	12/26/91	5 00 V	5 00
	FT00202REU2	12/26/91	5 00 U V	5 00
	FT00230REU2	01/20/92	5 00 U V	5 00
	FT00233REU2	01/20/92	5 00 U V	5 00
TOTAL XYLENES	FT00199REU2	12/26/91	5 00 U V	5 00

QUALIFIER CODES U Analyzed but not detected B Analyte is found in the associated blank as well as the sample
E Concentration exceeds calibration range of instrument J Reported value is less than CRDL but greater than IDL
D Identification of an analysis at a secondary dilution factor GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value

OPERABLE UNIT NO 2 IM/IRA
Ra Data from AS7

CLP Volatiles
(Concentration Units ug/l)

CHEMICAL	SAMPLE NUMBER	SAMPLE DATE	CONCENTRATION	DETECTION LIMIT
TOTAL XYLENES	FT00202REU2	12/26/91	5 00 U V	5 00
	FT00230REU2	01/20/92	5 00 U V	5 00
	FT00233REU2	01/20/92	5 00 U V	5 00
TRICHLOROETHENE	FT00202REU2	12/26/91	2 00 J A	5 00
	FT00199REU2	12/26/91	5 00 U V	5 00
	FT00233REU2	01/20/92	5 00 U V	5 00
	FT00230REU2	01/20/92	6 00 V	5 00
VINYL ACETATE	FT00199REU2	12/26/91	10 00 U V	10 00
	FT00202REU2	12/26/91	10 00 U V	10 00
	FT00230REU2	01/20/92	10 00 U V	10 00
	FT00233REU2	01/20/92	10 00 U V	10 00
VINYL CHLORIDE	FT00199REU2	12/26/91	9 00 J A	10 00
	FT00202REU2	12/26/91	11 00 V	10 00
	FT00233REU2	01/20/92	15 00 V	10 00
	FT00230REU2	01/20/92	17 00 V	10 00
cis 1 3 DICHLOROPROPENE	FT00199REU2	12/26/91	5 00 U V	5 00
	FT00202REU2	12/26/91	5 00 U V	5 00
	FT00230REU2	01/20/92	5 00 U V	5 00
	FT00233REU2	01/20/92	5 00 U V	5 00
trans 1 3 DICHLOROPROPENE	FT00199REU2	12/26/91	5 00 U V	5 00
	FT00202REU2	12/26/91	5 00 U V	5 00
	FT00230REU2	01/20/92	5 00 U V	5 00
	FT00233REU2	01/20/92	5 00 U V	5 00

QUALIFIER CODES U Analyzed but not detected B Analyte is found in the associated blank as well as the sample
E Concentration exceeds calibration range of instrument J Reported value is less than CRDL but greater than IDL
D Identification of an analysis at a secondary dilution factor GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value

OPERABLE UNIT NO 2 IM/IRA
Raw D ta from AS7

CLP Semi Vol tiles EPA M thod 625
(Concent ation Units ug/l)

CHEMICAL	SAMPLE NUMBER	SAMPLE DATE	CONCENTRATION	DETECTION LIMIT
1 2 4 TRICHLOROBENZENE	FT00199REU2	12/26/91	10 00 U V	10 00
	FT00202REU2	12/26/91	10 00 U V	10 00
	FT00233REU2	01/20/92	11 00 U V	11 00
	FT00230REU2	01/20/92	13 00 U V	13 00
1 2 DICHLOROBENZENE	FT00199REU2	12/26/91	10 00 U V	10 00
	FT00202REU2	12/26/91	10 00 U V	10 00
	FT00233REU2	01/20/92	11 00 U V	11 00
	FT00230REU2	01/20/92	13 00 U V	13 00
1 3 DICHLOROBENZENE	FT00199REU2	12/26/91	10 00 U V	10 00
	FT00202REU2	12/26/91	10 00 U V	10 00
	FT00233REU2	01/20/92	11 00 U V	11 00
	FT00230REU2	01/20/92	13 00 U V	13 00
1 4 DICHLOROBENZENE	FT00199REU2	12/26/91	10 00 U V	10 00
	FT00202REU2	12/26/91	10 00 U V	10 00
	FT00233REU2	01/20/92	11 00 U V	11 00
	FT00230REU2	01/20/92	13 00 U V	13 00
2 4 5 TRICHLOROPHENOL	FT00199REU2	12/26/91	50 00 U R	50 00
	FT00202REU2	12/26/91	50 00 U R	50 00
	FT00233REU2	01/20/92	55 00 U R	55 00
	FT00230REU2	01/20/92	65 00 U R	65 00
2 4 6 TRICHLOROPHENOL	FT00199REU2	12/26/91	10 00 U R	10 00
	FT00202REU2	12/26/91	10 00 U R	10 00
	FT00233REU2	01/20/92	11 00 U R	11 00

QUALIFIER CODES U Analyzed but not detected B Analyte is found in the associated blank as well as the sample
E Concentration exceeds calibration range of instrument J Reported value is less than CRDL but greater than IDL
D Identification of an analysis at a secondary dilution factor GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value

OPERABLE UNIT NO 2 IM/IRA
Ra D ta from AS7

CLP Semi Volatiles EPA Method 625
(Concentration Units ug/l)

CHEMICAL	SAMPLE NUMBER	SAMPLE DATE	CONCENTRATION	DETECTION LIMIT
2 4 6 TRICHLOROPHENOL	FT00230REU2	01/20/92	13 00 U R	13 00
2 4 DICHLOROPHENOL	FT00199REU2	12/26/91	10 00 U R	10 00
	FT00202REU2	12/26/91	10 00 U R	10 00
	FT00233REU2	01/20/92	11 00 U R	11 00
	FT00230REU2	01/20/92	13 00 U R	13 00
2 4 DIMETHYLPHENOL	FT00199REU2	12/26/91	10 00 U R	10 00
	FT00202REU2	12/26/91	10 00 U R	10 00
	FT00233REU2	01/20/92	11 00 U R	11 00
	FT00230REU2	01/20/92	13 00 U R	13 00
2 4 DINITROPHENOL	FT00199REU2	12/26/91	50 00 U R	50 00
	FT00202REU2	12/26/91	50 00 U R	50 00
	FT00233REU2	01/20/92	55 00 U R	55 00
	FT00230REU2	01/20/92	65 00 U R	65 00
2 4 DINITROTOLUENE	FT00199REU2	12/26/91	10 00 U R	10 00
	FT00202REU2	12/26/91	10 00 U R	10 00
	FT00233REU2	01/20/92	11 00 U V	11 00
	FT00230REU2	01/20/92	13 00 U V	13 00
2 6 DINITROTOLUENE	FT00199REU2	12/26/91	10 00 U V	10 00
	FT00202REU2	12/26/91	10 00 U V	10 00
	FT00233REU2	01/20/92	11 00 U V	11 00
	FT00230REU2	01/20/92	13 00 U V	13 00
2 CHLORONAPHTHALENE	FT00199REU2	12/26/91	10 00 U V	10 00

QUALIFIER CODES U Analyzed but not detected B Analyte is found in the associated blank as well as the sample
E Concentration exceeds calibration range of instrument J Reported value is less than CRDL but greater than IDL
D Identification of an analysis at a secondary dilution factor GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical alue is an estimated value

OPERABLE UNIT NO 2 IM/IRA
Raw Data from AS7

CLP Semi Vol tiles EPA Method 625
(Concentration Units ug/l)

CHEMICAL	SAMPLE NUMBER	SAMPLE DATE	CONCENTRATION	DETECTION LIMIT
2 CHLORONAPHTHALENE	FT00202REU2	12/26/91	10 00 U V	10 00
	FT00233REU2	01/20/92	11 00 U V	11 00
	FT00230REU2	01/20/92	13 00 U V	13 00
2 CHLOROPHENOL	FT00199REU2	12/26/91	10 00 U R	10 00
	FT00202REU2	12/26/91	10 00 U R	10 00
	FT00233REU2	01/20/92	11 00 U R	11 00
	FT00230REU2	01/20/92	13 00 U R	13 00
2 METHYLNAPHTHALENE	FT00199REU2	12/26/91	10 00 U V	10 00
	FT00202REU2	12/26/91	10 00 U V	10 00
	FT00233REU2	01/20/92	11 00 U V	11 00
	FT00230REU2	01/20/92	13 00 U V	13 00
2 METHYLPHENOL	FT00199REU2	12/26/91	10 00 U R	10 00
	FT00202REU2	12/26/91	10 00 U R	10 00
	FT00233REU2	01/20/92	11 00 U R	11 00
	FT00230REU2	01/20/92	13 00 U R	13 00
2 NITROANILINE	FT00199REU2	12/26/91	50 00 U R	50 00
	FT00202REU2	12/26/91	50 00 U R	50 00
	FT00230REU2	01/20/92	11 00 J A	65 00
	FT00233REU2	01/20/92	55 00 U V	55 00
2 NITROPHENOL	FT00199REU2	12/26/91	10 00 U R	10 00
	FT00202REU2	12/26/91	10 00 U R	10 00
	FT00233REU2	01/20/92	11 00 U R	11 00
	FT00230REU2	01/20/92	13 00 U R	13 00

QUALIFIER CODES U Analyzed but not detected B Analyte is found in the associated blank as well as the sample
E Concentration exceeds calibration range of instrument J Reported value is less than CRDL but greater than IDL
D Identification of an analysis at a secondary dilution factor GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value

OPERABLE UNIT NO 2 IM/IRA
Raw Data from AS7

CLP Semi Volatiles EPA Method 625
(Concentration Units ug/l)

CHEMICAL	SAMPLE NUMBER	SAMPLE DATE	CONCENTRATION	DETECTION LIMIT
3 3 DICHLOROBENZIDINE	FT00199REU2	12/26/91	20 00 U V	20 00
	FT00202REU2	12/26/91	20 00 U V	20 00
	FT00233REU2	01/20/92	22 00 U V	22 00
	FT00230REU2	01/20/92	26 00 U V	26 00
3 NITROANILINE	FT00199REU2	12/26/91	50 00 U V	50 00
	FT00202REU2	12/26/91	50 00 U V	50 00
	FT00233REU2	01/20/92	55 00 U V	55 00
	FT00230REU2	01/20/92	65 00 U V	65 00
4 6 DINITRO 2 METHYLPHENOL	FT00199REU2	12/26/91	50 00 U R	50 00
	FT00202REU2	12/26/91	50 00 U R	50 00
	FT00233REU2	01/20/92	55 00 U R	55 00
	FT00230REU2	01/20/92	65 00 U R	65 00
4 BROMOPHENYL PHENYL ETHER	FT00199REU2	12/26/91	10 00 U V	10 00
	FT00202REU2	12/26/91	10 00 U V	10 00
	FT00233REU2	01/20/92	11 00 U V	11 00
	FT00230REU2	01/20/92	13 00 U V	13 00
4 CHLORO 3 METHYLPHENOL	FT00199REU2	12/26/91	10 00 U R	10 00
	FT00202REU2	12/26/91	10 00 U R	10 00
	FT00233REU2	01/20/92	11 00 U R	11 00
	FT00230REU2	01/20/92	13 00 U R	13 00
4 CHLOROANILINE	FT00199REU2	12/26/91	10 00 U V	10 00
	FT00202REU2	12/26/91	10 00 U V	10 00
	FT00233REU2	01/20/92	11 00 U V	11 00

QUALIFIER CODES U Analyzed but not detected B Analyte is found in the associated blank as well as the sample
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D Identification of an analysis at a secondary dilution factor GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value

OPERABLE UNIT NO 2 IM/IRA
R D ta from AS7

CLP Semi Vol tiles EPA Method 625
(Concentration Units ug/l)

CHEMICAL	SAMPLE NUMBER	SAMPLE DATE	CONCENTRATION	DETECTION LIMIT
4 CHLOROANILINE	FT00230REU2	01/20/92	13 00 U V	13 00
4 CHLOROPHENYL PHENYL ETHER	FT00199REU2	12/26/91	10 00 U V	10 00
	FT00202REU2	12/26/91	10 00 U V	10 00
	FT00233REU2	01/20/92	11 00 U V	11 00
	FT00230REU2	01/20/92	13 00 U V	13 00
4 METHYLPHENOL	FT00199REU2	12/26/91	10 00 U R	10 00
	FT00202REU2	12/26/91	10 00 U R	10 00
	FT00233REU2	01/20/92	11 00 U R	11 00
	FT00230REU2	01/20/92	13 00 U R	13 00
4 NITROANILINE	FT00199REU2	12/26/91	50 00 U R	50 00
	FT00202REU2	12/26/91	50 00 U R	50 00
	FT00233REU2	01/20/92	55 00 U V	55 00
	FT00230REU2	01/20/92	65 00 U V	65 00
4 NITROPHENOL	FT00199REU2	12/26/91	50 00 U R	50 00
	FT00202REU2	12/26/91	50 00 U R	50 00
	FT00233REU2	01/20/92	55 00 U R	55 00
	FT00230REU2	01/20/92	65 00 U R	65 00
ACENAPHTHENE	FT00199REU2	12/26/91	10 00 U V	10 00
	FT00202REU2	12/26/91	10 00 U V	10 00
	FT00233REU2	01/20/92	11 00 U V	11 00
	FT00230REU2	01/20/92	13 00 U V	13 00
ACENAPHTHYLENE	FT00199REU2	12/26/91	10 00 U V	10 00

QUALIFIER CODES U Analyzed but not detected B Analyte is found in the associated blank as well as the sample
E Concentration exceeds calibration range of instrument J Reported value is less than CRDL but greater than IDL
D Identification of an analysis at a secondary dilution factor GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value

OPERABLE UNIT NO 2 IM/IRA
Raw D ta from AS7

CLP Semi V latiles EPA Method 625
(Concent ation Units ug/l)

CHEMICAL	SAMPLE NUMBER	SAMPLE DATE	CONCENTRATION	DETECTION LIMIT
ACENAPHTHYLENE	FT00202REU2	12/26/91	10 00 U V	10 00
	FT00233REU2	01/20/92	11 00 U V	11 00
	FT00230REU2	01/20/92	13 00 U V	13 00
ANTHRACENE	FT00199REU2	12/26/91	10 00 U V	10 00
	FT00202REU2	12/26/91	10 00 U V	10 00
	FT00233REU2	01/20/92	11 00 U V	11 00
	FT00230REU2	01/20/92	13 00 U V	13 00
BENZO(a)ANTHRACENE	FT00199REU2	12/26/91	10 00 U V	10 00
	FT00202REU2	12/26/91	10 00 U V	10 00
	F 00233REU2	01/20/92	11 00 U V	11 00
	FT00230REU2	01/20/92	13 00 U V	13 00
BENZO(a)PYRENE	FT00199REU2	12/26/91	10 00 U V	10 00
	FT00202REU2	12/26/91	10 00 U V	10 00
	FT00233REU2	01/20/92	11 00 U V	11 00
	FT00230REU2	01/20/92	13 00 U V	13 00
BENZO(b)FLUORANTHENE	FT00199REU2	12/26/91	10 00 U V	10 00
	FT00202REU2	12/26/91	10 00 U V	10 00
	FT00233REU2	01/20/92	11 00 U V	11 00
	FT00230REU2	01/20/92	13 00 U V	13 00
BENZO(ghi)PERYLENE	FT00199REU2	12/26/91	10 00 U V	10 00
	FT00202REU2	12/26/91	10 00 U V	10 00
	FT00233REU2	01/20/92	11 00 U V	11 00
	FT00230REU2	01/20/92	13 00 U V	13 00

QUALIFIER CODES U Analyzed but not detected B Analyte is found in the associated blank as well as the sample
E Concentration exceeds calibration range of instrument J Reported value is less than CRDL but greater than IDL
D Identification of an analysis at a secondary dilution factor GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value

OPERABLE UNIT NO 2 IM/IRA
Raw Data from AS7

CLP Semi Volatiles EPA M thod 625
(Conc ntration Units ug/l)

CHEMICAL	SAMPLE NUMBER	SAMPLE DATE	CONCENTRATION	DETECTION LIMIT
BENZO(k)FLUORANTHENE	FT00199REU2	12/26/91	10 00 U V	10 00
	FT00202REU2	12/26/91	10 00 U V	10 00
	FT00233REU2	01/20/92	11 00 U V	11 00
	FT00230REU2	01/20/92	13 00 U V	13 00
BENZOIC ACID	FT00199REU2	12/26/91	50 00 U R	50 00
	FT00202REU2	12/26/91	50 00 U R	50 00
	FT00233REU2	01/20/92	55 00 U R	55 00
	FT00230REU2	01/20/92	65 00 U R	65 00
BENZYL ALCOHOL	FT00199REU2	12/26/91	10 00 U R	10 00
	FT00202REU2	12/26/91	10 00 U R	10 00
	FT00233REU2	01/20/92	11 00 U R	11 00
	FT00230REU2	01/20/92	13 00 U R	13 00
BIS(2 CHLOROETHOXY)METHANE	FT00199REU2	12/26/91	10 00 U V	10 00
	FT00202REU2	12/26/91	10 00 U V	10 00
	FT00233REU2	01/20/92	11 00 U V	11 00
	FT00230REU2	01/20/92	13 00 U V	13 00
BIS(2 CHLOROETHYL)ETHER	FT00199REU2	12/26/91	10 00 U V	10 00
	FT00202REU2	12/26/91	10 00 U V	10 00
	FT00233REU2	01/20/92	11 00 U V	11 00
	FT00230REU2	01/20/92	13 00 U V	13 00
BIS(2 CHLOROISOPROPYL)ETHER	FT00199REU2	12/26/91	10 00 U V	10 00
	FT00202REU2	12/26/91	10 00 U V	10 00
	FT00233REU2	01/20/92	11 00 U V	11 00

QUALIFIER CODES U Analyzed but not detected B Analyte is found in the associated blank as well as the sample
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VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value

OPERABLE UNIT NO 2 IM/IRA
Ra Data from AS7

CLP Sem V latiles EPA Method 625
(Concentration Units ug/l)

CHEMICAL	SAMPLE NUMBER	SAMPLE DATE	CONCENTRATION	DETECTION LIMIT
BIS(2 CHLOROISOPROPYL)ETHER	FT00230REU2	01/20/92	13 00 U V	13 00
BIS(2 ETHYLHEXYL)PHTHALATE	FT00199REU2	12/26/91	10 00 U V	10 00
	FT00202REU2	12/26/91	10 00 U V	10 00
	FT00233REU2	01/20/92	11 00 U V	11 00
	FT00230REU2	01/20/92	13 00 U V	13 00
BUTYL BENZYL PHTHALATE	FT00199REU2	12/26/91	10 00 U V	10 00
	FT00202REU2	12/26/91	10 00 U V	10 00
	FT00233REU2	01/20/92	11 00 U V	11 00
	FT00230REU2	01/20/92	13 00 U V	13 00
CHRYSENE	FT00199REU2	12/26/91	10 00 U V	10 00
	FT00202REU2	12/26/91	10 00 U V	10 00
	FT00233REU2	01/20/92	11 00 U V	11 00
	FT00230REU2	01/20/92	13 00 U V	13 00
DI n BUTYL PHTHALATE	FT00199REU2	12/26/91	10 00 U V	10 00
	FT00202REU2	12/26/91	10 00 U V	10 00
	FT00233REU2	01/20/92	11 00 U V	11 00
	FT00230REU2	01/20/92	13 00 U V	13 00
DI n OCTYL PHTHALATE	FT00199REU2	12/26/91	10 00 U V	10 00
	FT00202REU2	12/26/91	10 00 U V	10 00
	FT00233REU2	01/20/92	11 00 U V	11 00
	FT00230REU2	01/20/92	13 00 U V	13 00
DIBENZO(a h)ANTHRACENE	FT00199REU2	12/26/91	10 00 U V	10 00

QUALIFIER CODES U Analyzed but not detected B Analyte is found in the associated blank as well as the sample
E Concentration exceeds calibration range of instrument J Reported value is less than CRDL but greater than IDL
D Identification of an analysis at a secondary dilution factor GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value

OPERABLE UNIT NO 2 IM/IRA
Raw Data from AS7

CLP Semi Volatiles EPA Method 625
(Concentration Units ug/l)

CHEMICAL	SAMPLE NUMBER	SAMPLE DATE	CONCENTRATION	DETECTION LIMIT
DIBENZO(a h)ANTHRACENE	FT00202REU2	12/26/91	10 00 U V	10 00
	FT00233REU2	01/20/92	11 00 U V	11 00
	FT00230REU2	01/20/92	13 00 U V	13 00
DIBENZOFURAN	FT00199REU2	12/26/91	10 00 U V	10 00
	FT00202REU2	12/26/91	10 00 U V	10 00
	FT00233REU2	01/20/92	11 00 U V	11 00
	FT00230REU2	01/20/92	13 00 U V	13 00
DIETHYL PHTHALATE	FT00199REU2	12/26/91	10 00 U V	10 00
	FT00202REU2	12/26/91	10 00 U V	10 00
	FT00233REU2	01/20/92	11 00 U V	11 00
	FT00230REU2	01/20/92	13 00 U V	13 00
DIMETHYL PHTHALATE	FT00199REU2	12/26/91	10 00 U V	10 00
	FT00202REU2	12/26/91	10 00 U V	10 00
	FT00233REU2	01/20/92	11 00 U V	11 00
	FT00230REU2	01/20/92	13 00 U V	13 00
FLUORANTHENE	FT00199REU2	12/26/91	10 00 U V	10 00
	FT00202REU2	12/26/91	10 00 U V	10 00
	FT00233REU2	01/20/92	11 00 U V	11 00
	FT00230REU2	01/20/92	13 00 U V	13 00
FLUORENE	FT00199REU2	12/26/91	10 00 U V	10 00
	FT00202REU2	12/26/91	10 00 U V	10 00
	FT00233REU2	01/20/92	11 00 U V	11 00
	FT00230REU2	01/20/92	13 00 U V	13 00

QUALIFIER CODES U Analyzed but not detected B Analyte is found in the associated blank as well as the sample
E Concentration exceeds calibration range of instrument J Reported value is less than CRDL but greater than IDL
D Identification of an analysis at a secondary dilution factor GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value

OPERABLE UNIT NO 2 IM/IRA
R Data from AS7

CLP Semi V latil s EPA Method 625
(Concentration Units ug/l)

CHEMICAL	SAMPLE NUMBER	SAMPLE DATE	CONCENTRATION	DETECTION LIMIT
HEXACHLOROBENZENE	FT00199REU2	12/26/91	10 00 U V	10 00
	FT00202REU2	12/26/91	10 00 U V	10 00
	FT00233REU2	01/20/92	11 00 U V	11 00
	FT00230REU2	01/20/92	13 00 U V	13 00
HEXACHLOROBUTADIENE	FT00199REU2	12/26/91	10 00 U V	10 00
	FT00202REU2	12/26/91	10 00 U V	10 00
	FT00233REU2	01/20/92	11 00 U V	11 00
	FT00230REU2	01/20/92	13 00 U V	13 00
HEXACHLOROCYCLOPENTADIENE	FT00199REU2	12/26/91	10 00 U V	10 00
	FT00202REU2	12/26/91	10 00 U V	10 00
	FT00233REU2	01/20/92	11 00 U V	11 00
	FT00230REU2	01/20/92	13 00 U V	13 00
HEXACHLOROETHANE	FT00199REU2	12/26/91	10 00 U V	10 00
	FT00202REU2	12/26/91	10 00 U V	10 00
	FT00233REU2	01/20/92	11 00 U V	11 00
	FT00230REU2	01/20/92	13 00 U V	13 00
INDENO(1 2 3 cd)PYRENE	FT00199REU2	12/26/91	10 00 U V	10 00
	FT00202REU2	12/26/91	10 00 U V	10 00
	FT00233REU2	01/20/92	11 00 U V	11 00
	FT00230REU2	01/20/92	13 00 U V	13 00
ISOPHORONE	FT00199REU2	12/26/91	10 00 U V	10 00
	FT00202REU2	12/26/91	10 00 U V	10 00
	FT00233REU2	01/20/92	11 00 U V	11 00

QUALIFIER CODES U Analyzed but not detected B Analyte is found in the associated blank as well as the sample
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OPERABLE UNIT NO 2 IM/IRA
Raw Data from AS7

CLP Semi Volatiles EPA Method 625
(Concentration Units ug/l)

CHEMICAL	SAMPLE NUMBER	SAMPLE DATE	CONCENTRATION	DETECTION LIMIT
ISOPHORONE	FT00230REU2	01/20/92	13 00 U V	13 00
N NITROSO DI n PROPYLAMINE	FT00199REU2	12/26/91	10 00 U V	10 00
	FT00202REU2	12/26/91	10 00 U V	10 00
	FT00233REU2	01/20/92	11 00 U V	11 00
	FT00230REU2	01/20/92	13 00 U V	13 00
N NITROSODIPHENYLAMINE	FT00199REU2	12/26/91	10 00 U V	10 00
	FT00202REU2	12/26/91	10 00 U V	10 00
	FT00233REU2	01/20/92	11 00 U V	11 00
	FT00230REU2	01/20/92	13 00 U V	13 00
NAPHTHALENE	FT00199REU2	12/26/91	10 00 U V	10 00
	FT00202REU2	12/26/91	10 00 U V	10 00
	FT00233REU2	01/20/92	11 00 U V	11 00
	FT00230REU2	01/20/92	13 00 U V	13 00
NITROBENZENE	FT00199REU2	12/26/91	10 00 U V	10 00
	FT00202REU2	12/26/91	10 00 U V	10 00
	FT00233REU2	01/20/92	11 00 U V	11 00
	FT00230REU2	01/20/92	13 00 U V	13 00
PENTACHLOROPHENOL	FT00199REU2	12/26/91	50 00 U R	50 00
	FT00202REU2	12/26/91	50 00 U R	50 00
	FT00233REU2	01/20/92	55 00 U R	55 00
	FT00230REU2	01/20/92	65 00 U R	65 00
PHENANTHRENE	FT00199REU2	12/26/91	10 00 U V	10 00

QUALIFIER CODES U Analyzed but not detected B Analyte is found in the associated blank as well as the sample
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D Identification of an analysis at a secondary dilution factor GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value

OPERABLE UNIT NO 2 IM/IRA
Raw Data from AS7

CLP Semi Volatiles EPA Method 625
(Concentration Units ug/l)

CHEMICAL	SAMPLE NUMBER	SAMPLE DATE	CONCENTRATION	DETECTION LIMIT
PHENANTHRENE	FT00202REU2	12/26/91	10 00 U V	10 00
	FT00233REU2	01/20/92	11 00 U V	11 00
	FT00230REU2	01/20/92	13 00 U V	13 00
PHENOL	FT00199REU2	12/26/91	10 00 U R	10 00
	FT00202REU2	12/26/91	10 00 U R	10 00
	FT00233REU2	01/20/92	11 00 U R	11 00
	FT00230REU2	01/20/92	13 00 U R	13 00
PYRENE	FT00199REU2	12/26/91	10 00 U V	10 00
	FT00202REU2	12/26/91	10 00 U V	10 00
	FT00233REU2	01/20/92	11 00 U V	11 00
	FT00230REU2	01/20/92	13 00 U V	13 00

QUALIFIER CODES U Analyzed but not detected B Analyte is found in the associated blank as well as the sample
E Concentration exceeds calibration range of instrument J Reported value is less than CRDL but greater than IDL
D Identification of an analysis at a secondary dilution factor GENERAL CODES = Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value

OPERABLE UNIT NO 2 IM/IRA
Ra Data from AS7

Special O ganics
(Concent ation Units ug/l)

CHEMICAL	SAMPLE NUMBER	SAMPLE DATE	CONCENTRATION	DETECTION LIMIT
1 1 DICHLOROETHENE	FT00355REU2	06/09/92	50 00 U V	5 00
	FT00357REU2	06/09/92	50 00 U V	5 00
	FT00372REU2	06/17/92	50 00 U V	5 00
	FT00373REU2	06/17/92	50 00 U V	5 00
1 2 DICHLOROETHANE	FT00355REU2	06/09/92	50 00 U V	5 00
	FT00357REU2	06/09/92	50 00 U V	5 00
	FT00372REU2	06/17/92	50 00 U V	5 00
	FT00373REU2	06/17/92	50 00 U V	5 00
1 4 DICHLOROBENZENE	FT00372REU2	06/17/92	40 00 U V	40 00
	FT00373REU2	06/17/92	40 00 U V	40 00
2 4 5 TRICHLOROPHENOL	FT00372REU2	06/17/92	200 00 U V	200 00
	FT00373REU2	06/17/92	200 00 U V	200 00
2 4 6 TRICHLOROPHENOL	FT00372REU2	06/17/92	40 00 U V	40 00
	FT00373REU2	06/17/92	40 00 U V	40 00
2 4 DICHLOROPHENOXYACETIC ACID	FT00372REU2	06/17/92	120 00 U	2 40
	FT00373REU2	06/17/92	120 00 U	2 40
2 4 DINITROTOLUENE	FT00372REU2	06/17/92	40 00 U V	40 00
	FT00373REU2	06/17/92	40 00 U V	40 00
2 BUTANONE	FT00355REU2	06/09/92	100 00 U V	10 00
	FT00357REU2	06/09/92	100 00 U V	10 00
	FT00372REU2	06/17/92	100 00 U V	10 00

QUALIFIER CODES U Analyzed but not detected B Analyte is found in the associated blank as well as the sample
E Concentration exceeds calibration range of instrument J Reported value is less than CRDL but greater than IDL
D Identification of an analysis at a secondary dilution factor GENERAL CODES Missing
VALIDATION CODES V Valid A A ceptable R Rejected J Associated numerical value is an estimated value

OPERABLE UNIT NO 2 IM/IRA
Ra Data from AS7

Special Organics
(Concentration Units ug/l)

CHEMICAL	SAMPLE NUMBER	SAMPLE DATE	CONCENTRATION	DETECTION LIMIT
2 BUTANONE	FT00373REU2	06/17/92	100 00 U V	10 00
2 METHYLPHENOL	FT00372REU2	06/17/92	40 00 U V	40 00
	FT00373REU2	06/17/92	40 00 U V	40 00
4 METHYLPHENOL	FT00372REU2	06/17/92	40 00 U V	40 00
	FT00373REU2	06/17/92	40 00 U V	40 00
BENZENE	FT00355REU2	06/09/92	50 00 U V	5 00
	FT00357REU2	06/09/92	50 00 U V	5 00
	FT00372REU2	06/17/92	50 00 U V	5 00
	FT00373REU2	06/17/92	50 00 U V	5 00
CARBON TETRACHLORIDE	FT00355REU2	06/09/92	50 00 U V	5 00
	FT00357REU2	06/09/92	50 00 U V	5 00
	FT00372REU2	06/17/92	50 00 U V	5 00
	FT00373REU2	06/17/92	50 00 U V	5 00
CHLOROBENZENE	FT00355REU2	06/09/92	50 00 U V	5 00
	FT00357REU2	06/09/92	50 00 U V	5 00
	FT00372REU2	06/17/92	50 00 U V	5 00
	FT00373REU2	06/17/92	50 00 U V	5 00
CHLOROFORM	FT00357REU2	06/09/92	15 00 J A	5 00
	FT00355REU2	06/09/92	50 00 U V	5 00
	FT00372REU2	06/17/92	15 00 J A	5 00
	FT00373REU2	06/17/92	21 00 J A	5 00

QUALIFIER CODES U Analyzed but not detected B Analyte is found in the associated blank as well as the sample
E Concentration exceeds calibration range of instrument J Reported value is less than CRDL but greater than IDL
D Identification of an analysis at a secondary dilution factor GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value

OPERABLE UNIT NO 2 IM/IRA
Raw D ta from AS7

Special Organics
(Concent ation Units ug/l)

CHEMICAL	SAMPLE NUMBER	SAMPLE DATE	CONCENTRATION	DETECTION LIMIT
HEXACHLOROBENZENE	FT00372REU2	06/17/92	40 00 U V	40 00
	FT00373REU2	06/17/92	40 00 U V	40 00
HEXACHLOROBUTADIENE	FT00372REU2	06/17/92	40 00 U V	40 00
	FT00373REU2	06/17/92	40 00 U V	40 00
HEXACHLOROETHANE	FT00372REU2	06/17/92	40 00 U V	40 00
	FT00373REU2	06/17/92	40 00 U V	40 00
NITROBENZENE	FT00372REU2	06/17/92	40 00 U V	40 00
	FT00373REU2	06/17/92	40 00 U V	40 00
PENTACHLOROPHENOL	FT00372REU2	06/17/92	200 00 U V	200 00
	FT00373REU2	06/17/92	200 00 U V	200 00
PROPANOIC ACID 2 (2 4 5 TRICH	FT00372REU2	06/17/92	17 00 U	0 34
	FT00373REU2	06/17/92	17 00 U	0 34
PYRIDINE	FT00372REU2	06/17/92	40 00 U V	40 00
	FT00373REU2	06/17/92	40 00 U V	40 00
TETRACHLOROETHENE	FT00355REU2	06/09/92	50 00 U V	5 00
	FT00357REU2	06/09/92	50 00 U V	5 00
	FT00372REU2	06/17/92	50 00 U V	5 00
	FT00373REU2	06/17/92	50 00 U V	5 00
TRICHLOROETHENE	FT00355REU2	06/09/92	50 00 U V	5 00
	FT00357REU2	06/09/92	50 00 U V	5 00

QUALIFIER CODES U Analyzed but not detected B Analyte is found in the associated blank as well as the sample
E Concentration exceeds calibration range of instrument J Reported value is less than CRDL but greater than IDL
D Identification of an analysis at a secondary dilution factor GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value

OPERABLE UNIT NO 2 IM/IRA
Raw Data from AS7

Special Organics
(Concentration Units ug/l)

CHEMICAL	SAMPLE NUMBER	SAMPLE DATE	CONCENTRATION	DETECTION LIMIT
TRICHLOROETHENE	FT00372REU2	06/17/92	50 00 U V	5 00
	FT00373REU2	06/17/92	50 00 U V	5 00
VINYL CHLORIDE	FT00355REU2	06/09/92	100 00 U V	10 00
	FT00357REU2	06/09/92	100 00 U V	10 00
	FT00372REU2	06/17/92	100 00 U V	10 00
	FT00373REU2	06/17/92	100 00 U V	10 00

QUALIFIER CODES U Analyzed but not detected B Analyte is found in the associated blank as well as the sample
E Concentration exceeds calibration range of instrument J Reported alue is less than CRDL but greater than IDL
D Identification of an analysis at a secondary dilution factor GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value

OPERABLE UNIT NO 2 IM/IRA
Raw D ta from AS7

Special Pesticides/PCBs
(Concentration Units ug/l)

CHEMICAL	SAMPLE NUMBER	SAMPLE DATE	CONCENTRATION	DETECTION LIMIT
CHLORDANE	FT00372REU2	06/17/92	0 70 U	0 70
	FT00373REU2	06/17/92	0 70 U	0 70
ENDRIN	FT00372REU2	06/17/92	0 30 U	0 30
	FT00373REU2	06/17/92	0 30 U	0 30
HEPTACHLOR	FT00372REU2	06/17/92	0 15 U	0 15
	FT00373REU2	06/17/92	0 15 U	0 15
HEPTACHLOR EPOXIDE	FT00372REU2	06/17/92	4 20 U	4 20
	FT00373REU2	06/17/92	4 20 U	4 20
METHOXYCHLOR	FT00372REU2	06/17/92	8 80 U	8 80
	FT00373REU2	06/17/92	8 80 U	8 80
TOXAPHENE	FT00372REU2	06/17/92	12 00 U	12 00
	FT00373REU2	06/17/92	12 00 U	12 00
gamma BHC (LINDANE)	FT00372REU2	06/17/92	0 20 U	0 20
	FT00373REU2	06/17/92	0 20 U	0 20

QUALIFIER CODES U Analyzed but not detected B Analyte is found in the associated blank as well as the sample
E Concentration exceeds calibration range of instrument J Reported value is less than CRDL but greater than IDL
D Identification of an analysis at a secondary dilution factor GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value

OPERABLE UNIT NO 2 IM/IRA
Ra Data from AS7

CLP Pesticides
(Concentration Units ug/l)

CHEMICAL	SAMPLE NUMBER	SAMPLE DATE	CONCENTRATION	DETECTION LIMIT
4 4 DDD	FT00199REU2	12/26/91	0 10 U V	0 10
	FT00202REU2	12/26/91	0 11 U V	0 11
	FT00230REU2	01/20/92	0 10 U V	0 10
	FT00233REU2	01/20/92	0 12 U V	0 12
4 4 DDE	FT00199REU2	12/26/91	0 10 U V	0 10
	FT00202REU2	12/26/91	0 11 U V	0 11
	FT00230REU2	01/20/92	0 10 U V	0 10
	FT00233REU2	01/20/92	0 12 U V	0 12
4 4 DDT	FT00199REU2	12/26/91	0 10 U V	0 10
	FT00202REU2	12/26/91	0 11 U V	0 11
	FT00230REU2	01/20/92	0 10 U V	0 10
	FT00233REU2	01/20/92	0 12 U V	0 12
ALDRIN	FT00199REU2	12/26/91	0 05 U V	0 05
	FT00202REU2	12/26/91	0 05 U V	0 05
	FT00230REU2	01/20/92	0 15 U JA	0 05
	FT00233REU2	01/20/92	0 19 U JA	0 06
AROCLOR 1016	FT00199REU2	12/26/91	0 50 U V	0 50
	FT00202REU2	12/26/91	0 54 U V	0 54
	FT00230REU2	01/20/92	0 52 U V	0 52
	FT00233REU2	01/20/92	0 60 U V	0 60
AROCLOR 1221	FT00199REU2	12/26/91	0 50 U V	0 50
	FT00202REU2	12/26/91	0 54 U V	0 54
	FT00230REU2	01/20/92	0 52 U V	0 52

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value

OPERABLE UNIT NO 2 IM/IRA
Raw D ta from AS7

CLP Pe t: ides
(Concentration Units ug/l)

CHEMICAL	SAMPLE NUMBER	SAMPLE DATE	CONCENTRATION	DETECTION LIMIT
AROCLOR 1221	FT00233REU2	01/20/92	0 60 U V	0 60
AROCLOR 1232	FT00199REU2	12/26/91	0 50 U V	0 50
	FT00202REU2	12/26/91	0 54 U V	0 54
	FT00230REU2	01/20/92	0 52 U V	0 52
	FT00233REU2	01/20/92	0 60 U V	0 60
AROCLOR 1242	FT00199REU2	12/26/91	0 50 U V	0 50
	FT00202REU2	12/26/91	0 54 U V	0 54
	FT00230REU2	01/20/92	0 52 U V	0 52
	FT00233REU2	01/20/92	0 60 U V	0 60
AROCLOR 1248	FT00199REU2	12/26/91	0 50 U V	0 50
	FT00202REU2	12/26/91	0 54 U V	0 54
	FT00230REU2	01/20/92	0 52 U V	0 52
	FT00233REU2	01/20/92	0 60 U V	0 60
AROCLOR 1254	FT00199REU2	12/26/91	1 00 U V	1 00
	FT00202REU2	12/26/91	1 10 U V	1 10
	FT00230REU2	01/20/92	1 00 U V	1 00
	FT00233REU2	01/20/92	1 20 U V	1 20
AROCLOR 1260	FT00199REU2	12/26/91	1 00 U V	1 00
	FT00202REU2	12/26/91	1 10 U V	1 10
	FT00230REU2	01/20/92	1 00 U V	1 00
	FT00233REU2	01/20/92	1 20 U V	1 20
DIELDRIN	FT00199REU2	12/26/91	0 10 U V	0 10

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W P st digestion spike out of control limits duplicate analysis outside control limits
S Reported alue was dete mined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value

OPERABLE UNIT NO 2 IM/IRA
Raw Data from AS7

CLP Pe ticides
(Concentration Units ug/l)

CHEMICAL	SAMPLE NUMBER	SAMPLE DATE	CONCENTRATION	DETECTION LIMIT
DIELDRIN	FT00202REU2	12/26/91	0 11 U V	0 11
	FT00230REU2	01/20/92	0 10 U V	0 10
	FT00233REU2	01/20/92	0 12 U V	0 12
ENDOSULFAN I	FT00199REU2	12/26/91	0 05 U V	0 05
	FT00202REU2	12/26/91	0 05 U V	0 05
	FT00230REU2	01/20/92	0 05 U V	0 05
	FT00233REU2	01/20/92	0 06 U V	0 06
ENDOSULFAN II	FT00199REU2	12/26/91	0 10 U V	0 10
	FT00202REU2	12/26/91	0 11 U V	0 11
	FT00230REU2	01/20/92	0 10 U V	0 10
	FT00233REU2	01/20/92	0 12 U V	0 12
ENDOSULFAN SULFATE	FT00199REU2	12/26/91	0 10 U V	0 10
	FT00202REU2	12/26/91	0 11 U V	0 11
	FT00230REU2	01/20/92	0 10 U V	0 10
	FT00233REU2	01/20/92	0 12 U V	0 12
ENDRIN	FT00199REU2	12/26/91	0 10 U V	0 10
	FT00202REU2	12/26/91	0 11 U V	0 11
	FT00230REU2	01/20/92	0 10 U V	0 10
	FT00233REU2	01/20/92	0 12 U V	0 12
ENDRIN KETONE	FT00199REU2	12/26/91	0 10 U V	0 10
	FT00202REU2	12/26/91	0 11 U V	0 11
	FT00230REU2	01/20/92	0 10 U V	0 10
	FT00233REU2	01/20/92	0 12 U V	0 12

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value

OPERABLE UNIT NO 2 IM/IRA
Raw Data from AS7

CLP Pesticides
(Concentration Units ug/l)

CHEMICAL	SAMPLE NUMBER	SAMPLE DATE	CONCENTRATION	DETECTION LIMIT
HEPTACHLOR	FT00199REU2	12/26/91	0 05 U V	0 05
	FT00202REU2	12/26/91	0 05 U V	0 05
	FT00230REU2	1/20/92	0 05 U V	0 05
	FT00233REU2	01/20/92	0 06 U V	0 06
HEPTACHLOR EPOXIDE	FT00199REU2	12/26/91	0 05 U V	0 05
	FT00202REU2	12/26/91	0 05 U V	0 05
	FT00230REU2	01/20/92	0 05 U V	0 05
	FT00233REU2	01/20/92	0 06 U V	0 06
METHOXYCHLOR	FT00199REU2	12/26/91	0 50 U V	0 50
	FT00202REU2	12/26/91	0 54 U V	0 54
	FT00230REU2	01/20/92	0 52 U V	0 52
	FT00233REU2	01/20/92	0 60 U V	0 60
TOXAPHENE	FT00199REU2	12/26/91	1 00 U V	1 00
	FT00202REU2	12/26/91	1 10 U V	1 10
	FT00230REU2	01/20/92	1 00 U V	1 00
	FT00233REU2	01/20/92	1 20 U V	1 20
alpha BHC	FT00199REU2	12/26/91	0 05 U V	0 05
	FT00202REU2	12/26/91	0 05 U V	0 05
	FT00230REU2	01/20/92	0 05 U V	0 05
	FT00233REU2	01/20/92	0 06 U V	0 06
alpha CHLORDANE	FT00199REU2	12/26/91	0 50 U V	0 50
	FT00202REU2	12/26/91	0 54 U V	0 54
	FT00230REU2	01/20/92	0 52 U V	0 52

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits = duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES: Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value

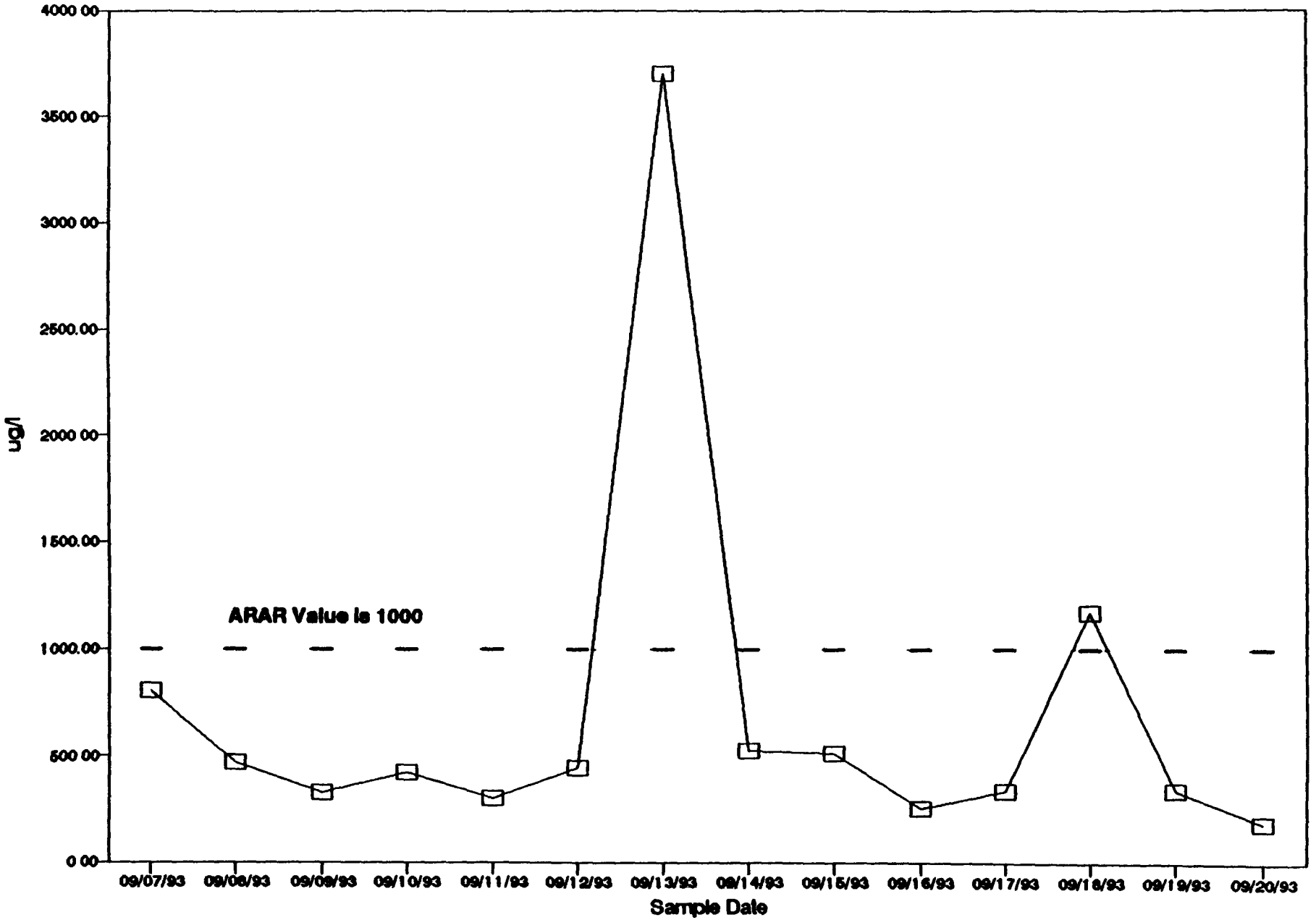
OPERABLE UNIT NO 2 IM/IRA
Raw Data from AS7

CLP Pesticides
(Concentration Units ug/l)

CHEMICAL	SAMPLE NUMBER	SAMPLE DATE	CONCENTRATION	DETECTION LIMIT
alpha CHLORDANE	FT00233REU2	01/20/92	0 60 U V	0 60
beta BHC	FT00199REU2	12/26/91	0 05 U V	0 05
	FT00202REU2	12/26/91	0 05 U V	0 05
	FT00230REU2	01/20/92	0 05 U V	0 05
	FT00233REU2	01/20/92	0 06 U V	0 06
delta BHC	FT00199REU2	12/26/91	0 05 U V	0 05
	FT00202REU2	12/26/91	0 05 U V	0 05
	FT00230REU2	01/20/92	0 05 U V	0 05
	FT00233REU2	01/20/92	0 06 U V	0 06
gamma BHC (LINDANE)	FT00199REU2	12/26/91	0 05 U V	0 05
	FT00202REU2	12/26/91	0 05 U V	0 05
	FT00230REU2	01/20/92	0 05 U V	0 05
	FT00233REU2	01/20/92	0 06 U V	0 06
gamma CHLORDANE	FT00199REU2	12/26/91	0 50 U V	0 50
	FT00202REU2	12/26/91	0 54 U V	0 54
	FT00230REU2	01/20/92	0 52 U V	0 52
	FT00233REU2	01/20/92	0 60 U V	0 60

QUALIFIER CODES U Analyzed but not detected B Reported value is less than CRDL but greater than IDL
E Result is estimated W Post digestion spike out of control limits duplicate analysis outside control limits
S Reported value was determined by method of standard additions GENERAL CODES Missing
VALIDATION CODES V Valid A Acceptable R Rejected J Associated numerical value is an estimated value

Surface Water Station SW132
Total Iron Concentrations



Concentrations reported at the detection limit with U qualifier were plotted as a zero for graphical purposes