M67001.AR.004657
MCB CAMP LEJEUNE
5090.3a

INTERIM REPORT SOIL VAPOR EXTRACTION EVALUATION FOR AREA OF CONCERN 1 AREA A MCB CAMP LEJEUNE NC

7/21/1995

OHM REMEDIATION SERVICES CORP

3p

INTERIM REPORT

SVE SYSTEM EVALUATION

SITE 82 A.O.C. 1 AREA 'A'

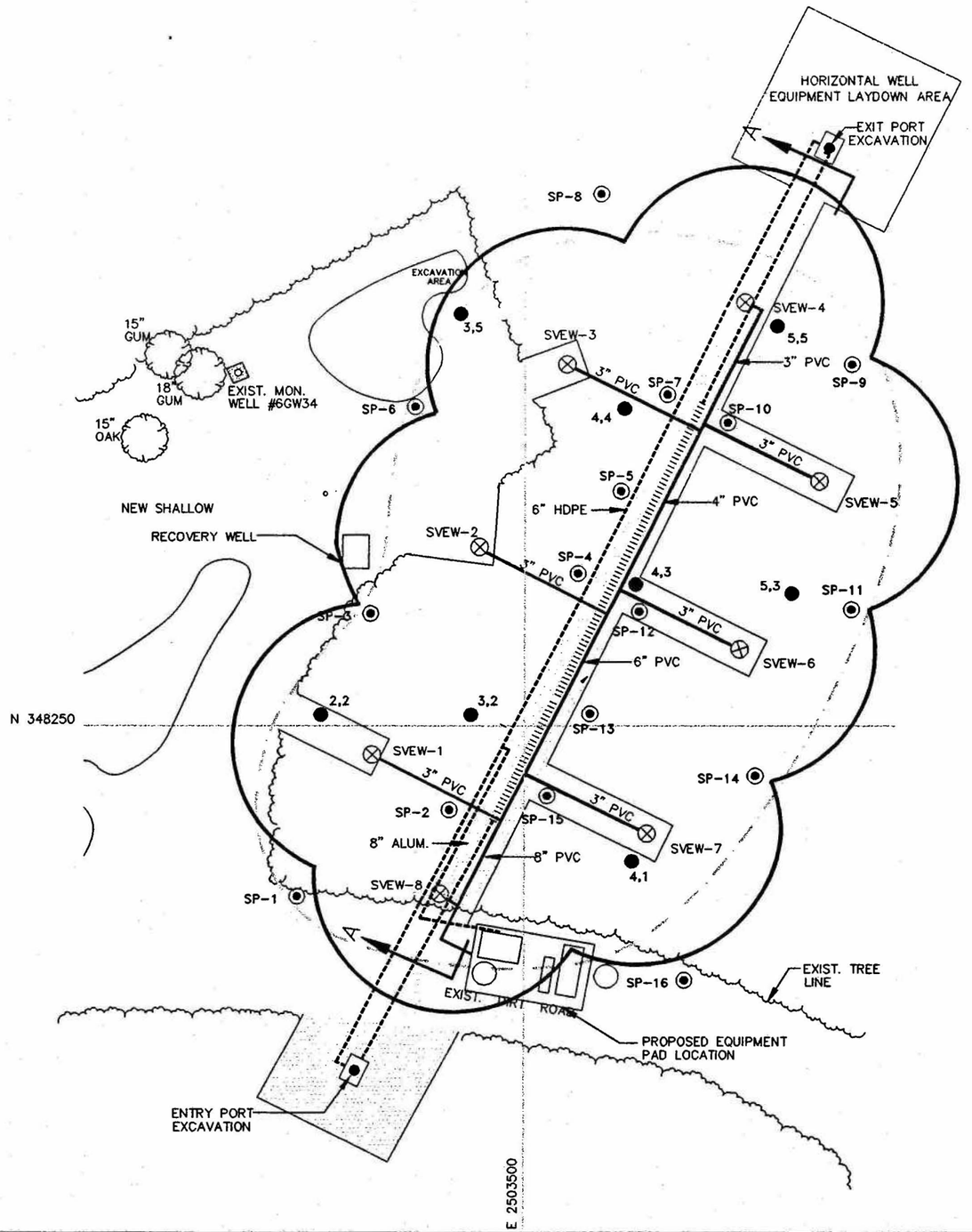
MCB CAMP LEJEUNE
JACKSONVILLE, N.C.

Submitted By:

OHM Remediation Services Corp
5335 Triangle Parkway, Suite 450
Norcross, Ga. 30092

Project Number 16032

July 21, 1995



SOIL BORING SAMPLE DEPTHS

(2,2)	(3,2)	(4,1)	(3,5)
2–3	3–4	2–3	2–3
9–10	9–10	9–10	9–10
15–16	15–16	15–16	15–16

(4,3)	(4,4)	(5,3)	(5,5)
2–3	3–4	2–3	2–3
9–10	9–10	9–10	9–10
15–16	15–16	15–16	15–16

LEGEND

- 4,4 ● SOIL BORING
- APPROXIMATE EXTENT OF PCE EXCEEDING 10.5 µg/kg (REMEDIAL GOAL)
- GRAVELED AREA
- ⊗ PROPOSED SVE WELL
- HORIZONTAL INJECTION SCREENED INTERVAL
- VACUUM PIPING
- INJECTION PIPING
- TREATMENT AREA BASED ON 40' RADIUS OF VACUUM INFLUENCE
- CLEARED AREAS FOR DRILL RIG ACCESS

NOTES:

1. ACCESS ROAD ALONG AXIS OF HORIZONTAL WELL WILL BE CLEARED, GRUBBED, AND SMOOTHED. A 200 FOOT LONG IMPERMEABLE LINER WILL BE INSTALLED ABOVE THE SCREENED SECTION OF THE WELL. SIX TO EIGHT INCHES OF GRAVEL WILL BE PLACED FROM THE EXISTING DIRT ROAD TO THE EQUIPMENT LAYDOWN AREA.
2. THE EQUIPMENT LAYDOWN AREAS WILL BE CLEARED AND COVERED WITH 6" TO 8" OF GRAVEL.
3. ACCESS WAYS TO THE VERTICAL WELLS WILL BE CLEARED.

-20 0 20 40 60
SCALE IN FEET
SCALE : 1" = 40-0'

OHM Remediation Services Corp.
Norcross, Georgia
A Subsidiary of OHM Corporation

SUBMITTED: _____ PROJECT MANAGER DATE: _____
APPROVED: _____ SR. PROJECT ENGINEER DATE: _____
APPROVED: _____ DEPT. MANAGER DATE: _____

AT FULL SCALE (IF NOT 2" - SCALE ACCORDINGLY)
CADD FILE: FIG2.DWG
DRAWN: J. LANGE/J.COLLINS
DESIGNED: D. RUBIN
CHECKED: A. COLLINS
CHECKED: G. GILLES

REVISIONS

ZONE	REV.	DESCRIPTION	BY	DATE	APP.
	1	INCORPORATING REVIEW COMMENTS	J.C.	2/3/95	J.D.
	2	INCORPORATING SOIL BORING LOCATIONS	J.L.	7/21/95	J.D.

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DEPARTMENT OF THE NAVY — NAVAL FACILITIES ENGINEERING COMMAND
ATLANTIC DIVISION
NAVAL STATION — NORFOLK, VIRGINIA
LANTDIV RAC CONTRACT N62470-93-D-3032 — DELIVERY ORDER NO. 0015
OPERABLE UNIT NO. 2 — MARINE CORPS BASE, CAMP LEJEUNE, N.C.

FIGURE 2.

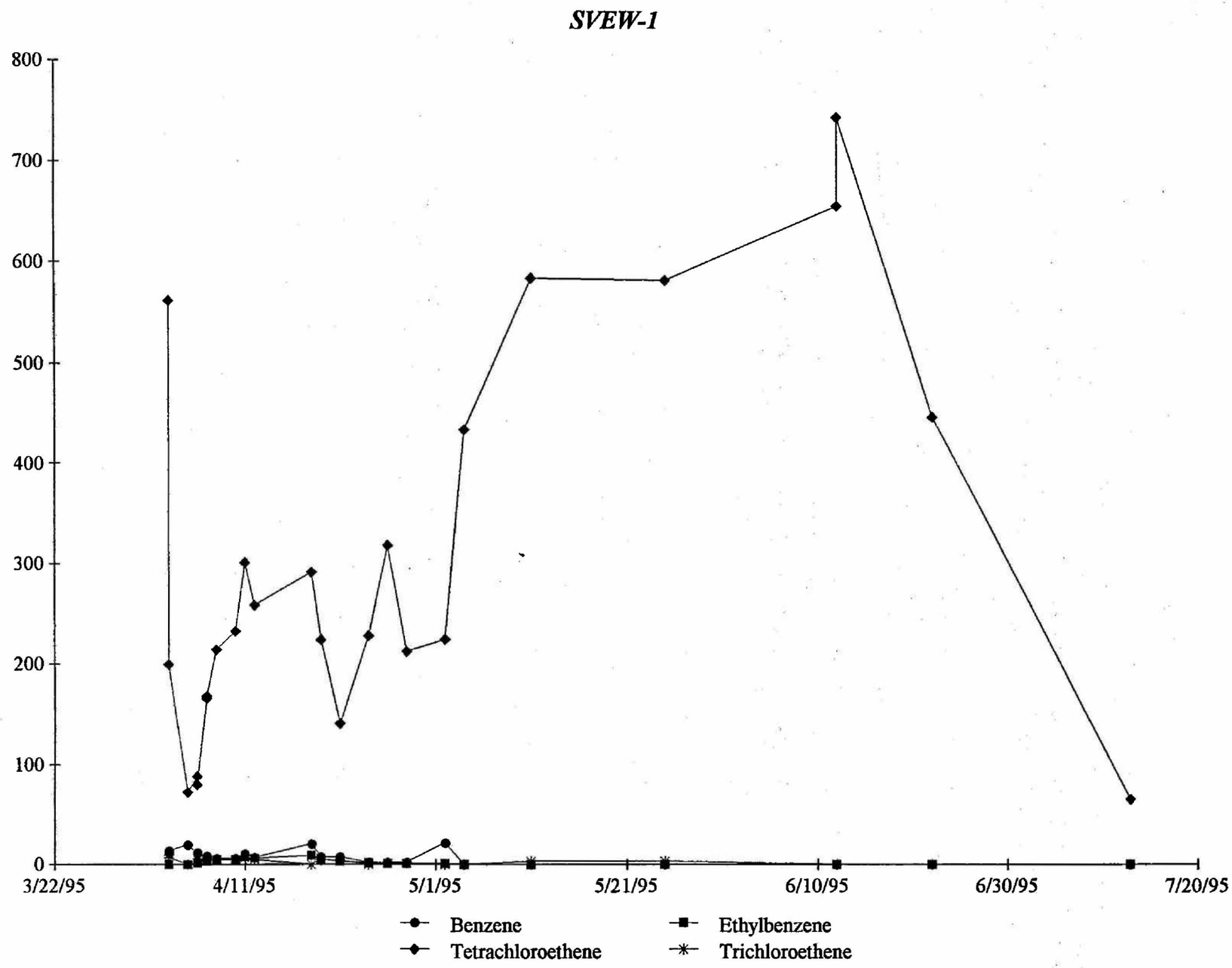
AOC-1 AREA A SVE SYSTEM LAYOUT AND MECHANICAL LAYOUT

DRAWING NUMBER: —
SHEET NUMBER: — of
DATE: 2/3/95

SVE SYSTEM WELL DATA

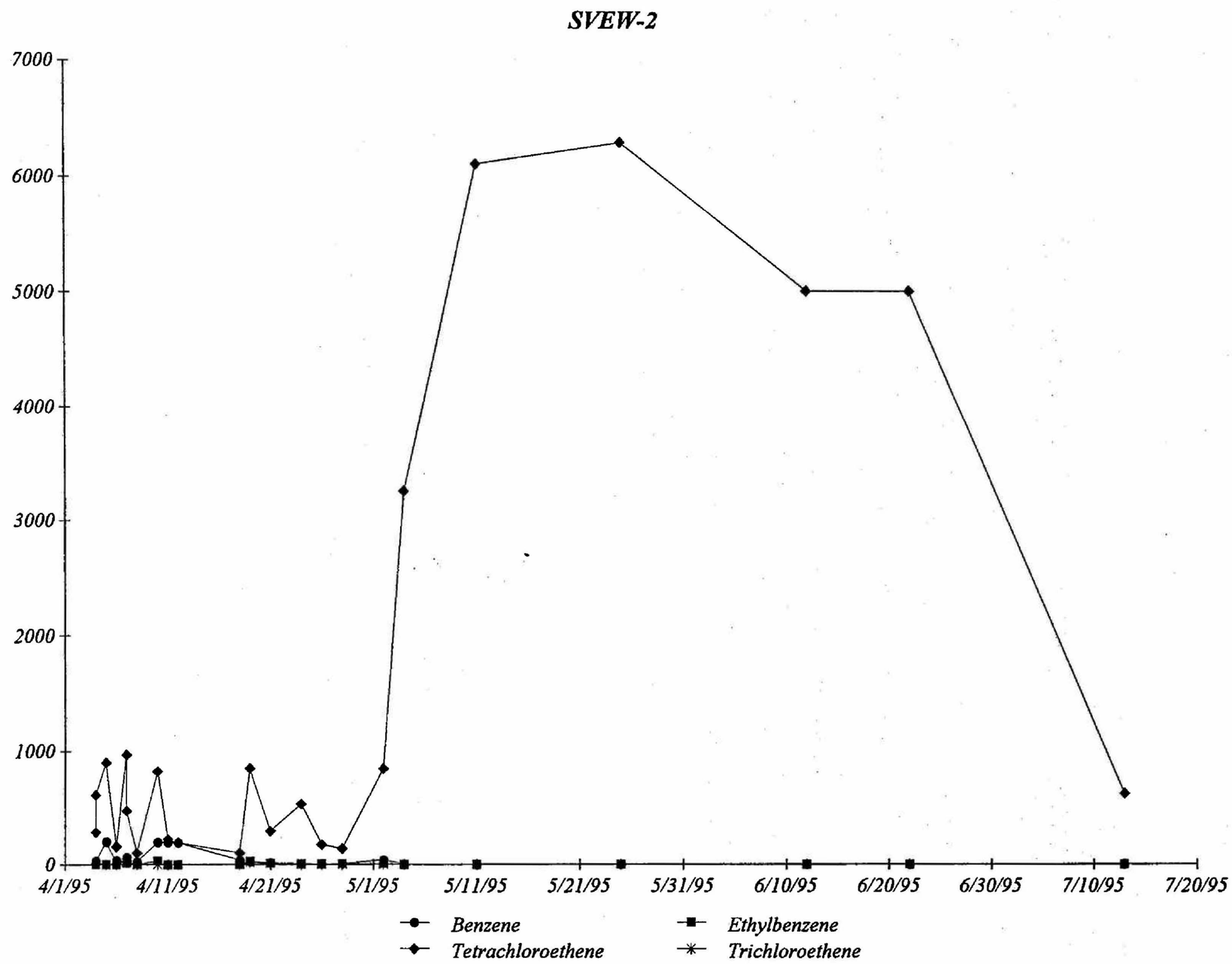
VOLATILE ANALYSIS FOR CLJ 16032

Sample Name	Date Sampled	Benzene (ug/L)	Ethylbenzene (ug/L)	Tetrachloroethene (ug/L)	Trichloroethene (ug/L)
SVEW-1	4/3/95	11	ND	561.5	9
SVEW-1	4/3/95	13.3	ND	199	6.7
SVEW-1	4/5/95	19	ND	72	ND
SVEW-1	4/6/95	10.5	1.5	88	5
SVEW-1	4/6/95	11.5	2	79.5	5.5
SVEW-1	4/7/95	8.3	3.7	165.7	5
SVEW-1	4/7/95	7.7	3.3	168	4.7
SVEW-1	4/8/95	6	5	213.5	4.5
SVEW-1	4/10/95	6	5	231.8	4.5
SVEW-1	4/11/95	10	7	300.5	6
SVEW-1	4/12/95	6.9	6	257.7	4.6
SVEW-1	4/18/95	20	9	291	ND
SVEW-1	4/19/95	7.3	5.3	223.7	4.3
SVEW-1	4/21/95	7.3	3	141	4
SVEW-1	4/24/95	2	1.5	227.5	ND
SVEW-1	4/26/95	2	0.8	317.6	1.6
SVEW-1	4/28/95	2	1	212	1
SVEW-1	5/2/95	21	1	224	ND
SVEW-1	5/4/95	ND	ND	434	ND
SVEW-1	5/11/95	ND	ND	584	3
SVEW-1	5/25/95	ND	ND	582	3
SVEW-1	6/12/95	ND	ND	656	ND
SVEW-1D	6/12/95	ND	ND	744	ND
SVEW-1	6/22/95	ND	ND	447	ND
SVEW-1	7/13/95	ND	ND	65	ND


SVEW-1
800
700
600
500
400
300
200
100
0
3/22/95
4/11/95
5/1/95
5/21/95
6/10/95
6/30/95
7/20/95
Benzene
Ethylbenzene
Tetrachloroethene
Trichloroethene

VOLATILE ANALYSIS FOR CLJ 16032

Sample Name	Date Sampled	Benzene (ug/L)	Ethylbenzene (ug/L)	Tetrachloroethene (ug/L)	Trichloroethene (ug/L)
SVEW-2	4/4/95	31	2	279	11
SVEW-2	4/4/95	33	6	610	11
SVEW-2	4/5/95	196	3	899	ND
SVEW-2	4/6/95	24	5	158	ND
SVEW-2	4/6/95	38	4	151	11
SVEW-2	4/7/95	66	33	967	33
SVEW-2	4/7/95	35.3	14	469.3	18
SVEW-2	4/8/95	25	2	98	ND
SVEW-2	4/10/95	191	33	820	ND
SVEW-2	4/11/95	190	ND	214	ND
SVEW-2	4/12/95	187	ND	187	ND
SVEW-2	4/18/95	38	ND	98	ND
SVEW-2	4/19/95	26	29	846	17
SVEW-2	4/21/95	15.3	10.7	287.3	7.3
SVEW-2	4/24/95	6	4	528	ND
SVEW-2	4/26/95	3	3	168	ND
SVEW-2	4/28/95	6	6	134	ND
SVEW-2	5/2/95	39	5.4	842	ND
SVEW-2	5/4/95	ND	ND	3256	ND
SVEW-2	5/11/95	ND	ND	6106.7	ND
SVEW-2	5/25/95	ND	ND	6294	ND
SVEW-2	6/12/95	ND	ND	5008	ND
SVEW-2	6/22/95	ND	ND	5008	ND
SVEW-2	7/13/95	ND	ND	619	ND
SVEW-2					
SVEW-2					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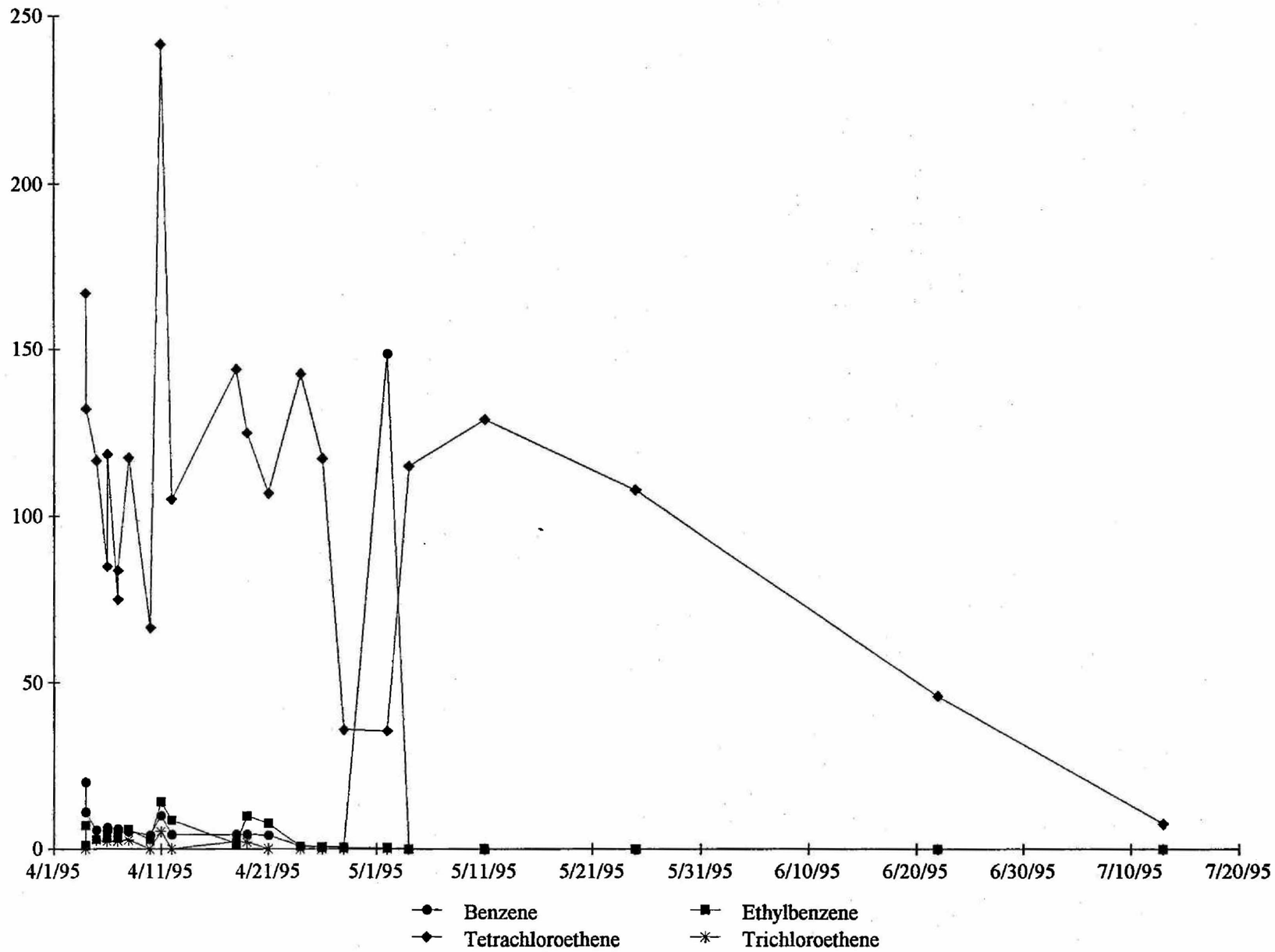
7000
6000
5000
4000
3000
2000
1000
0
4/1/95
4/11/95
4/21/95
5/1/95
5/11/95
5/21/95
5/31/95
6/10/95
6/20/95
6/30/95
7/10/95
7/20/95
Benzene
Tetrachloroethene
Ethylbenzene
Trichloroethene

VOLATILE ANALYSIS FOR CLJ 16032

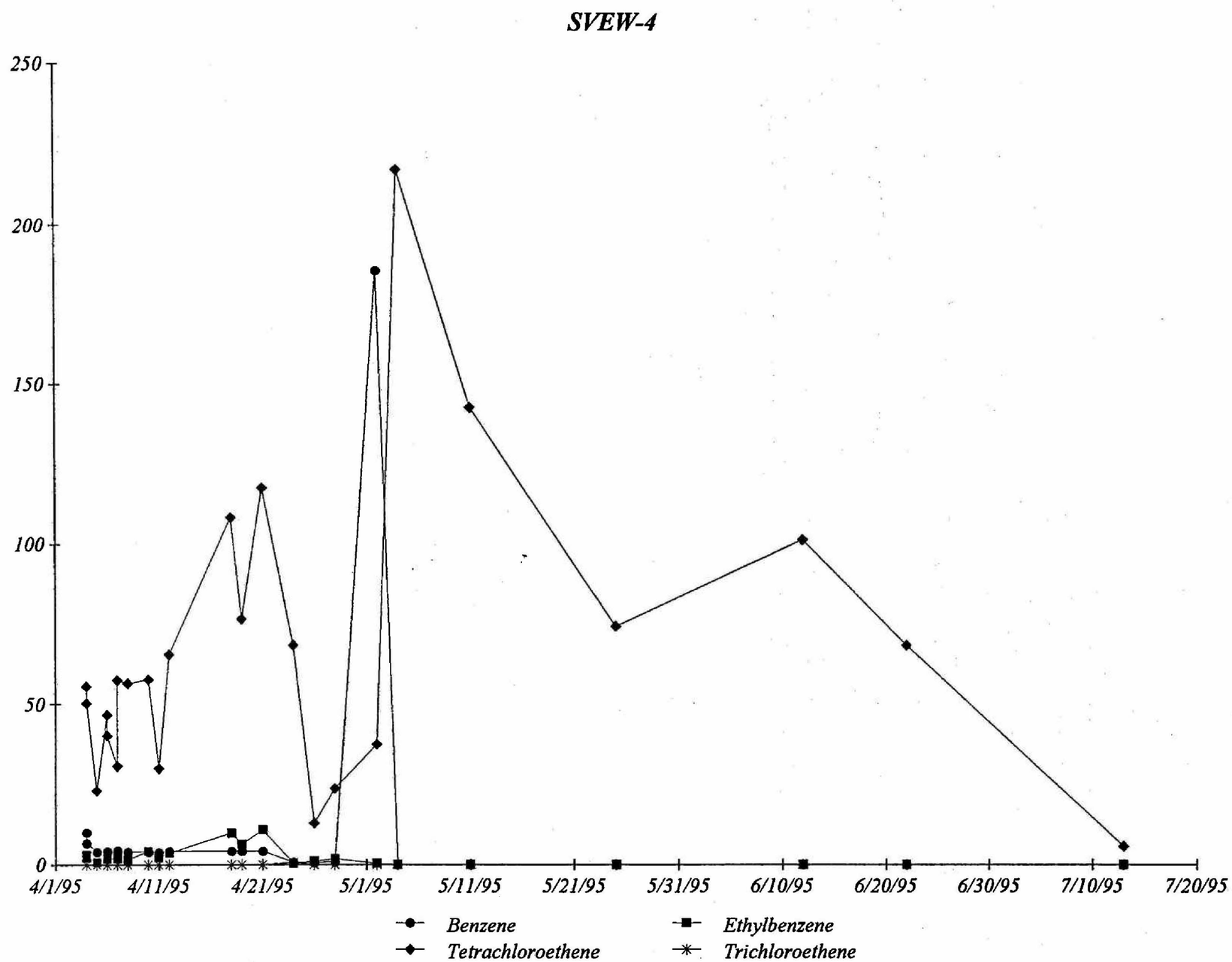
Sample Name	Date Sampled	Benzene (ug/L)	Ethylbenzene (ug/L)	Tetrachloroethene (ug/L)	Trichloroethene (ug/L)
SVEW-3	4/4/95	20	7	167	ND
SVEW-3	4/4/95	11	1	132	ND
SVEW-3	4/5/95	5.6	2.8	116.6	2.6
SVEW-3	4/6/95	5.4	3.2	85	2.2
SVEW-3	4/6/95	6.4	4.2	118.4	3
SVEW-3	4/7/95	6	3.2	75	2.2
SVEW-3	4/7/95	5.4	3.8	83.8	2.4
SVEW-3	4/8/95	5.2	5.8	117.4	2.6
SVEW-3	4/10/95	4.2	2.8	66.6	ND
SVEW-3	4/11/95	10	14	241.6	5.2
SVEW-3	4/12/95	4.4	8.6	105	ND
SVEW-3	4/18/95	4.4	1.6	144	2.2
SVEW-3	4/19/95	4.4	9.8	124.8	2
SVEW-3	4/21/95	4.2	7.6	106.8	ND
SVEW-3	4/24/95	0.8	0.8	142.6	ND
SVEW-3	4/26/95	0.6	0.6	117.2	ND
SVEW-3	4/28/95	0.6	0.4	35.8	ND
SVEW-3	5/2/95	148.8	0.4	35.4	ND
SVEW-3	5/4/95	ND	ND	115	ND
SVEW-3	5/11/95	ND	ND	128.9	ND
SVEW-3	5/25/95	ND	ND	108	ND
SVEW-3	6/22/95	ND	ND	46	ND
SVEW-3	7/13/95	ND	ND	7.5	ND
SVEW-3					
SVEW-3					

SVEW-3


250
200
150
100
50
0
4/1/95
4/11/95
4/21/95
5/1/95
5/11/95
5/21/95
5/31/95
6/10/95
6/20/95
6/30/95
7/10/95
7/20/95
Benzene
Ethylbenzene
Tetrachloroethene
Trichloroethene

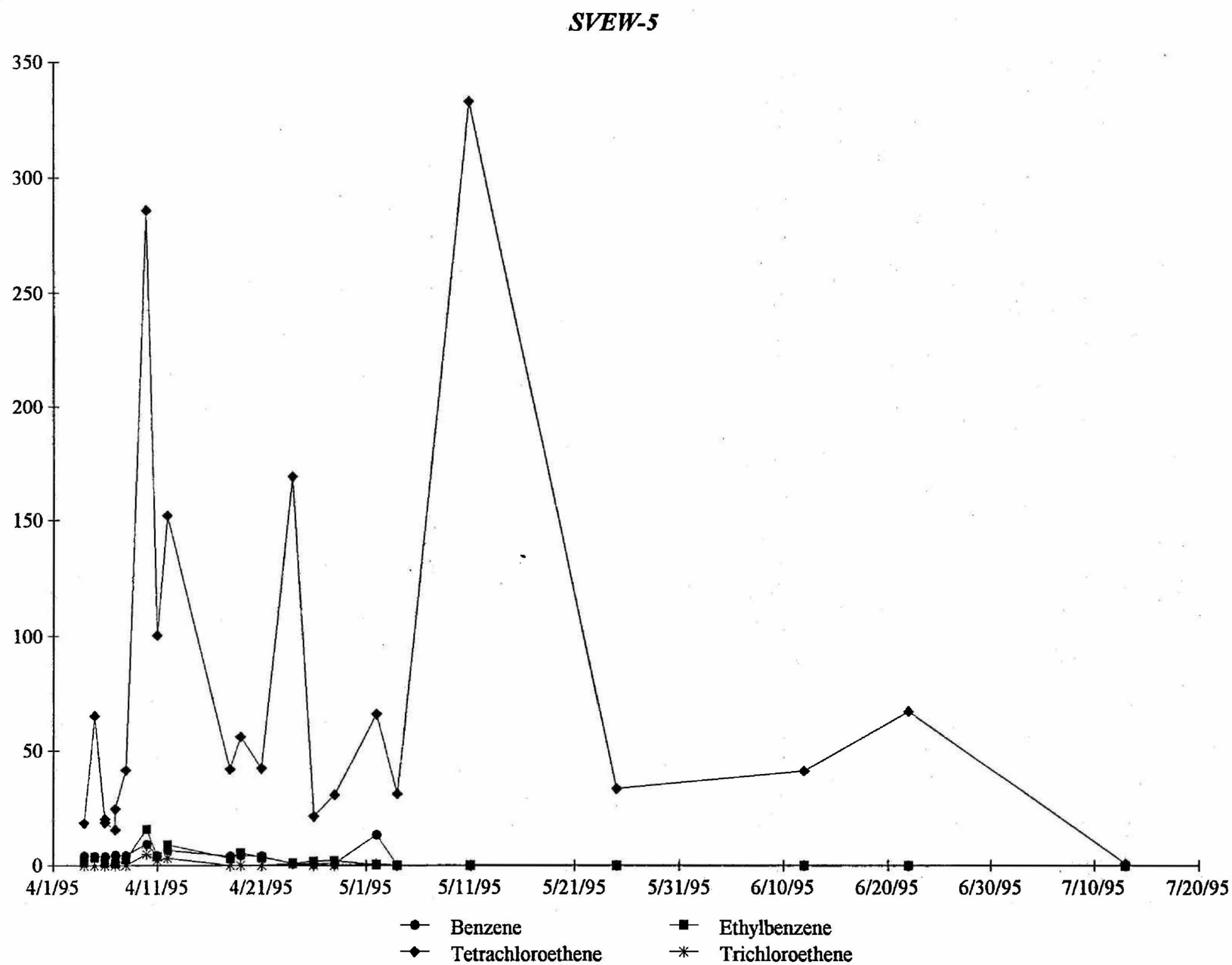
VOLATILE ANALYSIS FOR CLJ 16032

Sample Name	Date Sampled	Benzene (ug/L)	Ethylbenzene (ug/L)	Tetrachloroethene (ug/L)	Trichloroethene (ug/L)
SVEW-4	4/4/95	10	3	55.5	ND
SVEW-4	4/4/95	6.7	2.3	50.3	ND
SVEW-4	4/5/95	4	0.8	23	ND
SVEW-4	4/6/95	4	2.2	46.6	ND
SVEW-4	4/6/95	4.2	1.8	40.2	ND
SVEW-4	4/7/95	4	2	30.8	ND
SVEW-4	4/7/95	4.4	3.2	57.4	2
SVEW-4	4/8/95	4	1.6	56.4	ND
SVEW-4	4/10/95	4	4.2	57.6	ND
SVEW-4	4/11/95	3.8	2.2	30	ND
SVEW-4	4/12/95	4.2	3.6	65.4	ND
SVEW-4	4/18/95	4.2	9.8	108.2	ND
SVEW-4	4/19/95	4.2	6.4	76.4	ND
SVEW-4	4/21/95	4.2	10.8	117.6	ND
SVEW-4	4/24/95	0.6	0.4	68.2	0.6
SVEW-4	4/26/95	0.6	1	12.8	ND
SVEW-4	4/28/95	0.8	1.8	23.6	ND
SVEW-4	5/2/95	185.4	0.4	37.4	ND
SVEW-4	5/4/95	ND	ND	217	ND
SVEW-4	5/11/95	ND	ND	142.5	ND
SVEW-4	5/25/95	ND	ND	74	ND
SVEW-4	6/12/95	ND	ND	101	ND
SVEW-4	6/22/95	ND	ND	68	ND
SVEW-4	7/13/95	ND	ND	5.6	ND
SVEW-4					


SVEW-4
250
200
150
100
50
0
4/1/95
4/11/95
4/21/95
5/1/95
5/11/95
5/21/95
5/31/95
6/10/95
6/20/95
6/30/95
7/10/95
7/20/95
Benzene
Ethylbenzene
Tetrachloroethene
Trichloroethene

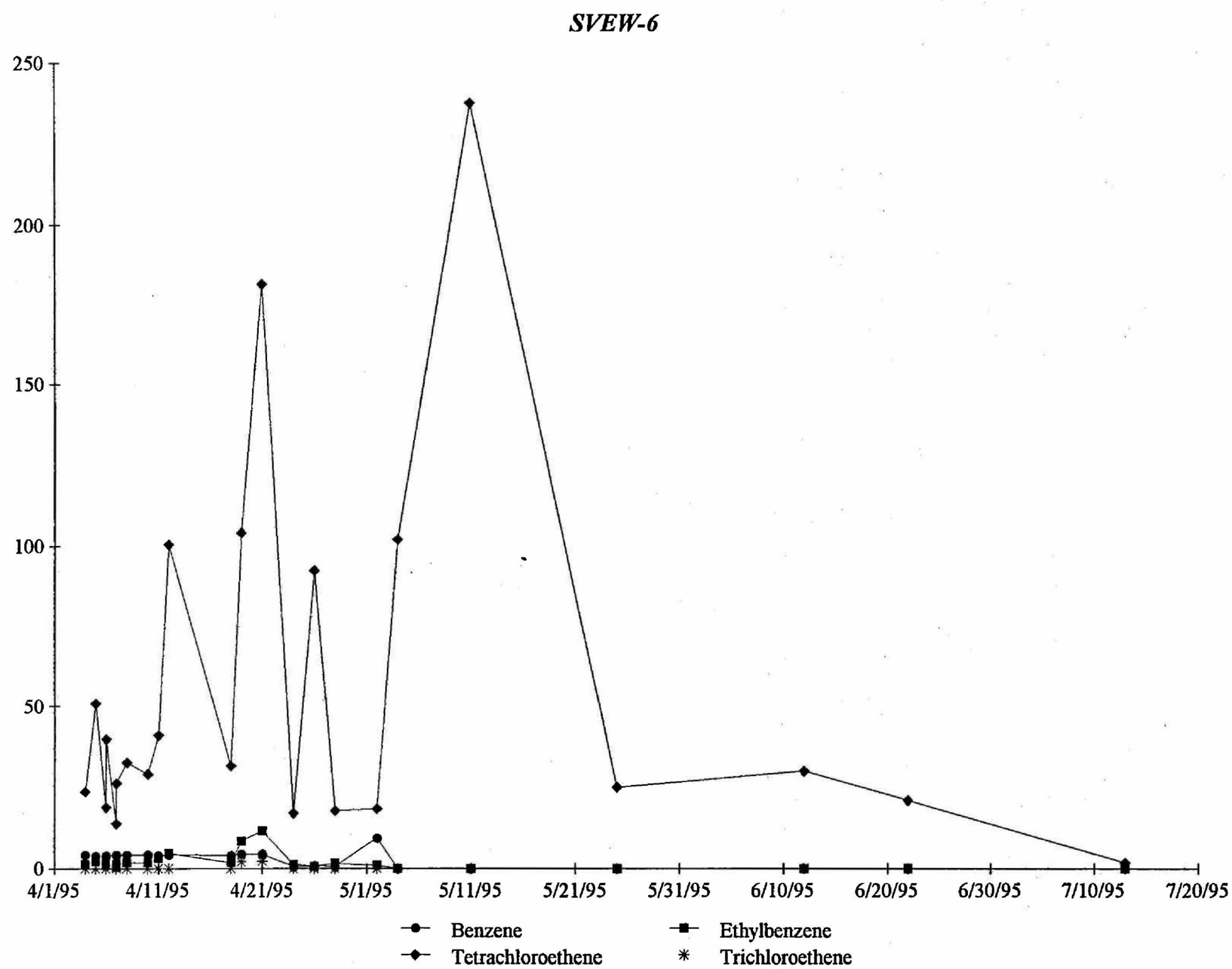
VOLATILE ANALYSIS FOR CLJ 16032

Sample Name	Date Sampled	Benzene (ug/L)	Ethylbenzene (ug/L)	Tetrachloroethene (ug/L)	Trichloroethene (ug/L)
SVEW-5	4/4/95	4	1.2	18.2	ND
SVEW-5	4/5/95	3.8	3.4	65	ND
SVEW-5	4/6/95	3.8	1.2	20	ND
SVEW-5	4/6/95	3.8	1	18.4	ND
SVEW-5	4/7/95	4.2	1	15.4	ND
SVEW-5	4/7/95	4.4	0.8	24.4	ND
SVEW-5	4/8/95	4.2	2.4	41.4	ND
SVEW-5	4/10/95	9.2	15.6	286	4.8
SVEW-5	4/11/95	4.2	3.8	100.4	2
SVEW-5	4/12/95	6.6	8.9	152	3.1
SVEW-5	4/18/95	4	3	41.8	ND
SVEW-5	4/19/95	4.2	5.4	56	ND
SVEW-5	4/21/95	4	3.4	42.2	ND
SVEW-5	4/24/95	0.8	1	168.8	0.6
SVEW-5	4/26/95	0.6	1.8	21.2	ND
SVEW-5	4/28/95	0.6	2	30.5	ND
SVEW-5	5/2/95	13.2	0.4	65.8	0.6
SVEW-5	5/4/95	ND	ND	31	ND
SVEW-5	5/11/95	ND	ND	332.5	ND
SVEW-5	5/25/95	ND	ND	33.2	ND
SVEW-5	6/12/95	ND	ND	41	ND
SVEW-5	6/22/95	ND	ND	67	ND
SVEW-5	7/13/95	ND	ND	0.62	ND
SVEW-5					


SVEW-5
350
300
250
200
150
100
50
0
4/1/95
4/11/95
4/21/95
5/1/95
5/11/95
5/21/95
5/31/95
6/10/95
6/20/95
6/30/95
7/10/95
7/20/95
Benzene
Ethylbenzene
Tetrachloroethene
Trichloroethene

VOLATILE ANALYSIS FOR CLJ 16032

Sample Name	Date Sampled	Benzene (ug/L)	Ethylbenzene (ug/L)	Tetrachloroethene (ug/L)	Trichloroethene (ug/L)
SVEW-6	4/4/95	4.2	1.4	23.6	ND
SVEW-6	4/5/95	3.8	2.2	50.8	ND
SVEW-6	4/6/95	3.8	1	18.8	ND
SVEW-6	4/6/95	4	1.8	39.8	ND
SVEW-6	4/7/95	4	0.4	13.8	ND
SVEW-6	4/7/95	4.2	1.4	26.2	ND
SVEW-6	4/8/95	4.2	1.8	32.6	ND
SVEW-6	4/10/95	4.2	1.8	29	ND
SVEW-6	4/11/95	4	3.2	41	ND
SVEW-6	4/12/95	4.2	4.6	100.4	ND
SVEW-6	4/18/95	4	1.8	31.6	ND
SVEW-6	4/19/95	4.4	8.4	104	2
SVEW-6	4/21/95	4.4	11.6	181.4	2.2
SVEW-6	4/24/95	0.6	1.2	17	ND
SVEW-6	4/26/95	0.8	0.6	92.4	ND
SVEW-6	4/28/95	0.6	1.6	17.8	ND
SVEW-6	5/2/95	9.4	1	18.4	ND
SVEW-6	5/4/95	ND	ND	102	ND
SVEW-6	5/11/95	ND	ND	237.5	ND
SVEW-6	5/25/95	ND	ND	25	ND
SVEW-6	6/12/95	ND	ND	30	ND
SVEW-6	6/22/95	ND	ND	21	ND
SVEW-6	7/13/95	ND	ND	1.7	ND
SVEW-6					
SVEW-6					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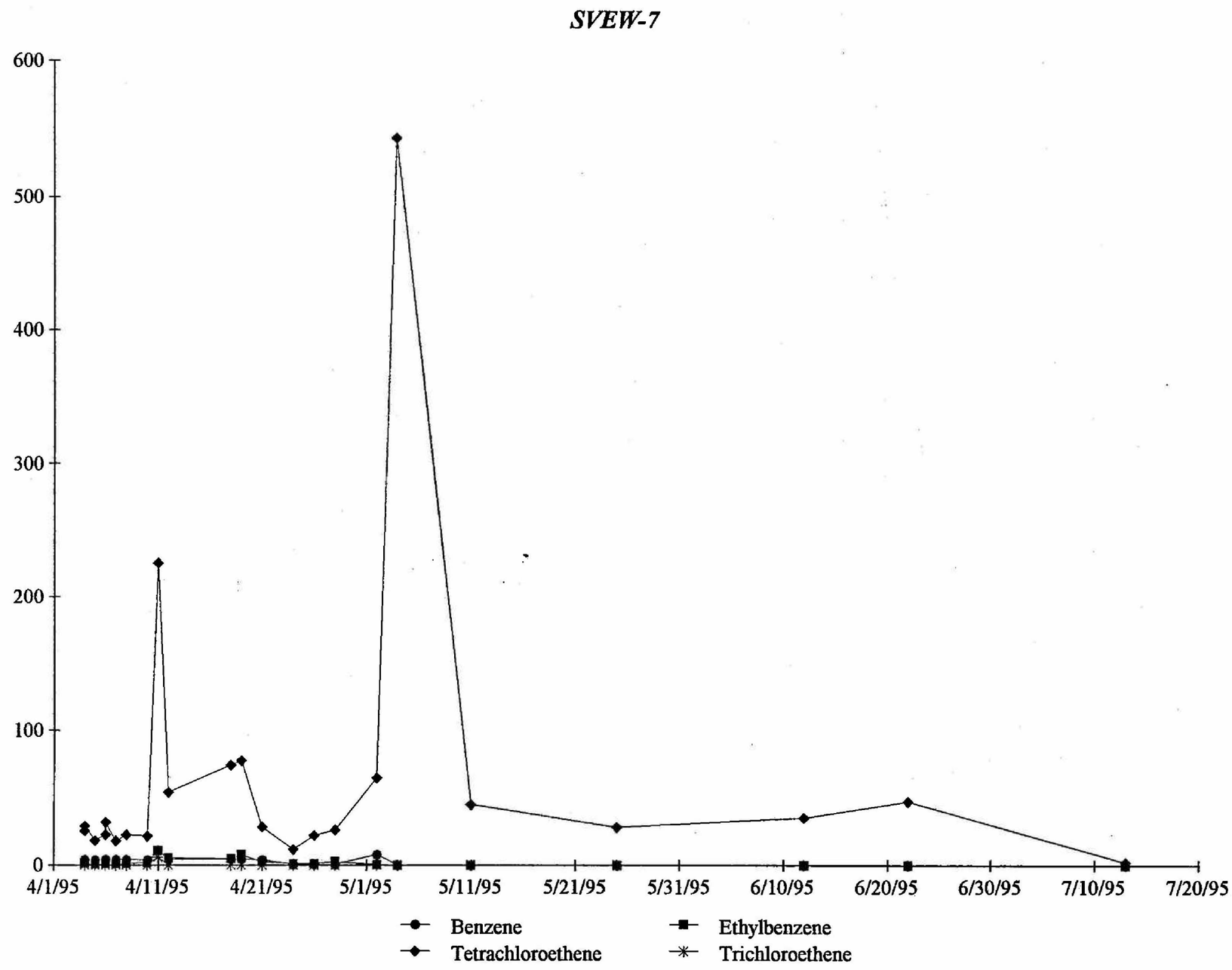
250
200
150
100
50
0
4/1/95
4/11/95
4/21/95
5/1/95
5/11/95
5/21/95
5/31/95
6/10/95
6/20/95
6/30/95
7/10/95
7/20/95
Benzene
Ethylbenzene
Tetrachloroethene
Trichloroethene

VOLATILE ANALYSIS FOR CLJ 16032

Sample Name	Date Sampled	Benzene (ug/L)	Ethylbenzene (ug/L)	Tetrachloroethene (ug/L)	Trichloroethene (ug/L)
SVEW-7	4/4/95	4	1.4	25.2	ND
SVEW-7	4/4/95	3.8	1.2	28.6	ND
SVEW-7	4/5/95	3.8	0.6	18	ND
SVEW-7	4/6/95	3.8	1	22.4	ND
SVEW-7	4/6/95	4.2	1.4	31.6	ND
SVEW-7	4/7/95	4	0.8	17.8	ND
SVEW-7	4/7/95	4	0.8	17.6	ND
SVEW-7	4/8/95	4	1.2	22.2	ND
SVEW-7	4/10/95	3.8	1.6	21.2	ND
SVEW-7	4/11/95	11	10.5	225	5.5
SVEW-7	4/12/95	4	5.2	54	ND
SVEW-7	4/18/95	4.2	4.6	74.2	ND
SVEW-7	4/19/95	4.2	7.6	77.6	ND
SVEW-7	4/21/95	3.8	2.4	28.2	ND
SVEW-7	4/24/95	0.6	1.2	11.4	ND
SVEW-7	4/26/95	0.6	1.2	21.8	ND
SVEW-7	4/28/95	0.6	2.4	26	ND
SVEW-7	5/2/95	7.8	0.4	64.6	ND
SVEW-7	5/4/95	ND	ND	543	ND
SVEW-7	5/11/95	ND	ND	44.8	ND
SVEW-7	5/25/95	ND	ND	28	ND
SVEW-7	6/12/95	ND	ND	35	ND
SVEW-7	6/22/95	ND	ND	47	ND
SVEW-7	7/13/95	ND	ND	1.9	ND
SVEW-7					


SVEW-7
600
500
400
300
200
100
0
4/1/95
4/11/95
4/21/95
5/1/95
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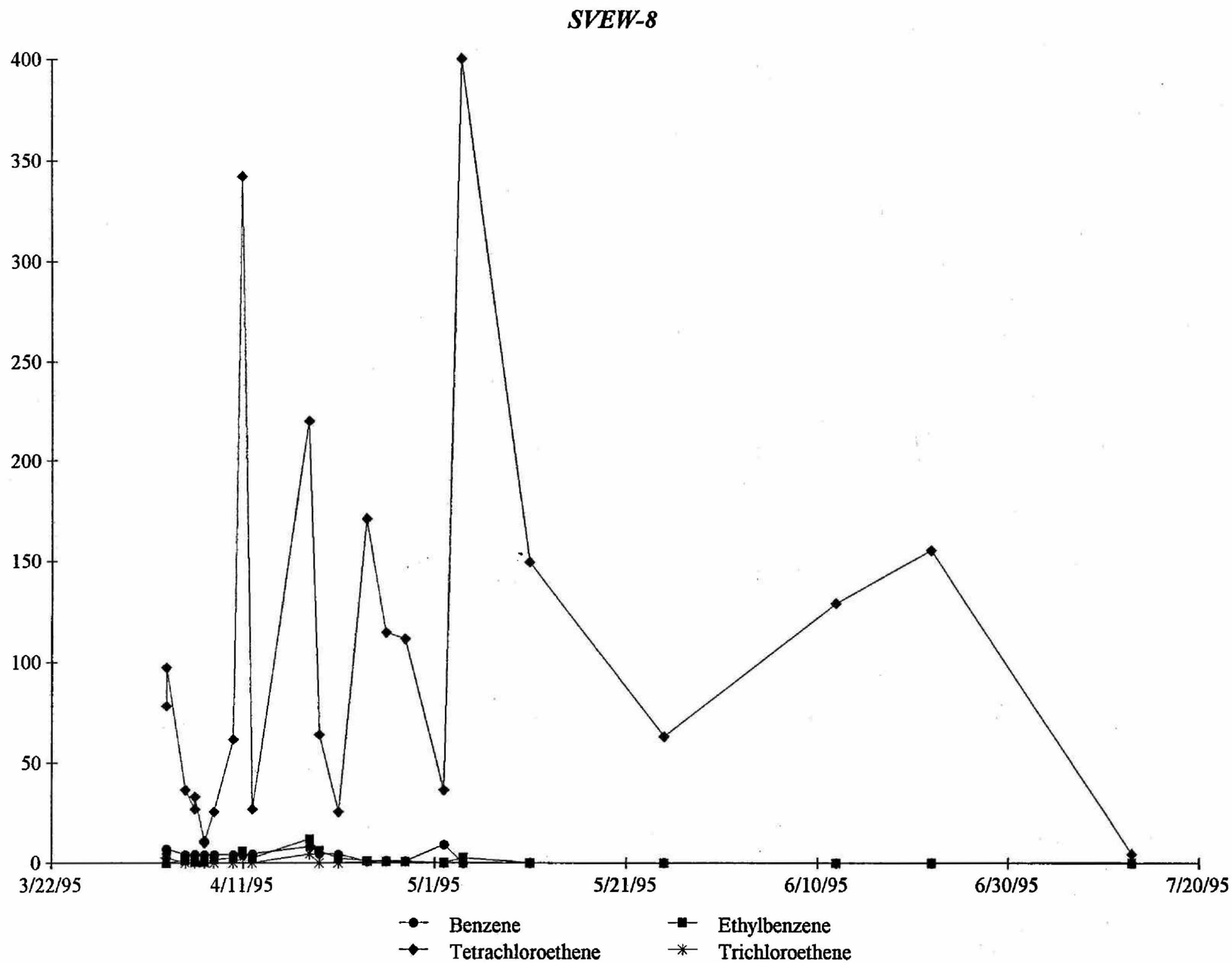
5/21/95
5/31/95
6/10/95
6/20/95
6/30/95
7/10/95
7/20/95
Benzene
Ethylbenzene
Tetrachloroethene
Trichloroethene

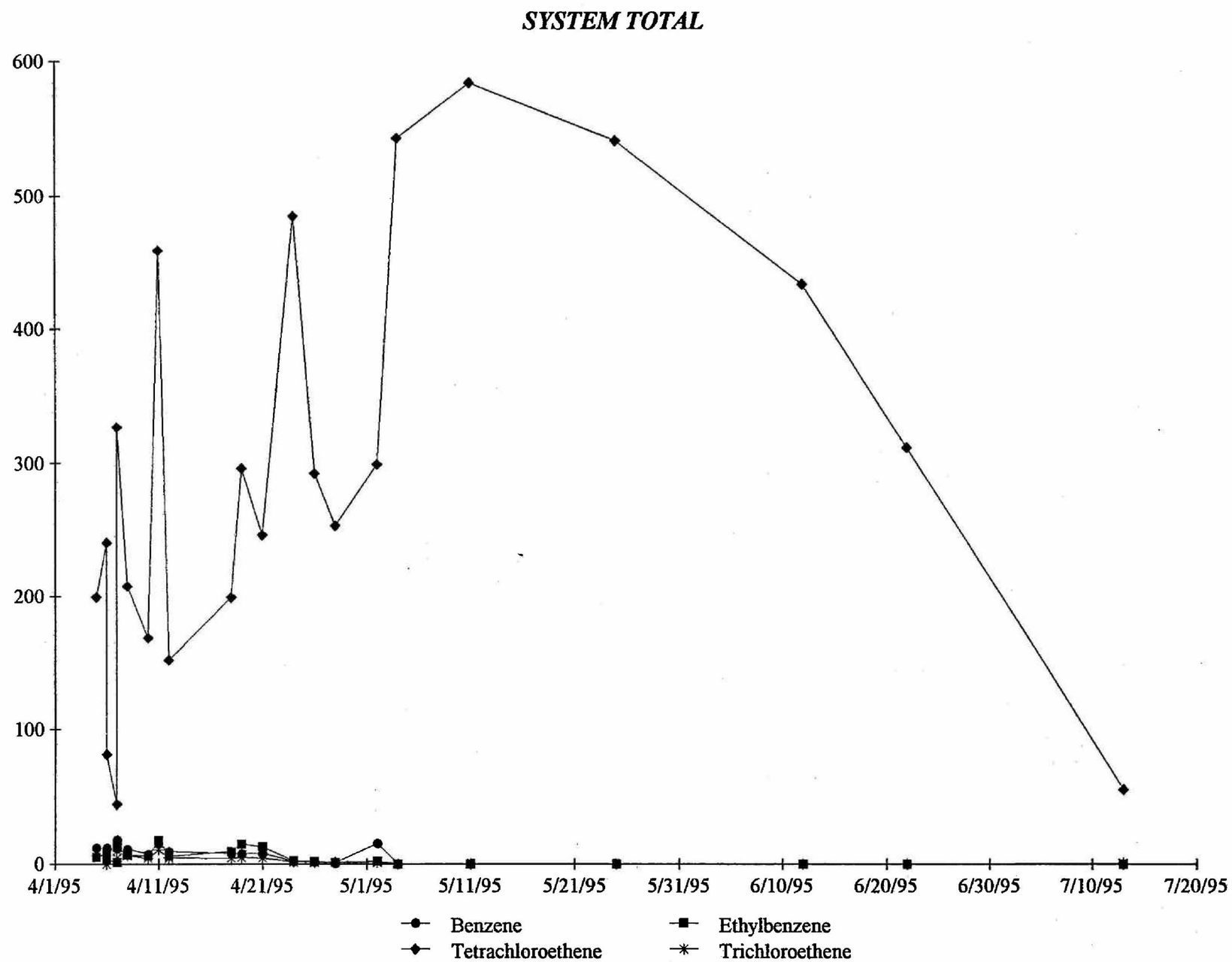
VOLATILE ANALYSIS FOR CLJ 16032

Sample Name	Date Sampled	Benzene (ug/L)	Ethylbenzene (ug/L)	Tetrachloroethene (ug/L)	Trichloroethene (ug/L)
SVEW-8	4/3/95	5.2	1.4	78.2	2.2
SVEW-8	4/3/95	6.8	ND	97.2	2.4
SVEW-8	4/5/95	4	1.2	36.2	ND
SVEW-8	4/6/95	3.8	1	26.6	ND
SVEW-8	4/6/95	4.2	0.4	32.8	ND
SVEW-8	4/7/95	3.8	0.6	9.8	ND
SVEW-8	4/7/95	4	0.5	10.8	ND
SVEW-8	4/8/95	4	1.6	25.2	ND
SVEW-8	4/10/95	4	2.6	61.6	ND
SVEW-8	4/11/95	4	5.8	342	2.2
SVEW-8	4/12/95	4.4	2.2	26.6	ND
SVEW-8	4/18/95	8	11.7	220	4.3
SVEW-8	4/19/95	4.6	6	64	ND
SVEW-8	4/21/95	4.2	2.2	25.2	ND
SVEW-8	4/24/95	0.8	1	170.8	0.6
SVEW-8	4/26/95	1.2	0.6	114.6	0.8
SVEW-8	4/28/95	0.8	0.6	111.4	0.8
SVEW-8	5/2/95	9	0.2	36.2	ND
SVEW-8	5/4/95	ND	2.6	400	ND
SVEW-8	5/11/95	ND	ND	149.3	ND
SVEW-8	5/25/95	ND	ND	63	ND
SVEW-8	6/12/95	ND	ND	129	ND
SVEW-8	6/22/95	ND	ND	156	ND
SVEW-8	7/13/95	ND	ND	4.3	0.26
SVEW-8					


SVEW-8
400
350
300
250
200
150
100
50
0
3/22/95
4/11/95
5/1/95
5/21/95
6/10/95
6/30/95
7/20/95
Benzene
Tetrachloroethene
Ethylbenzene
Trichloroethene

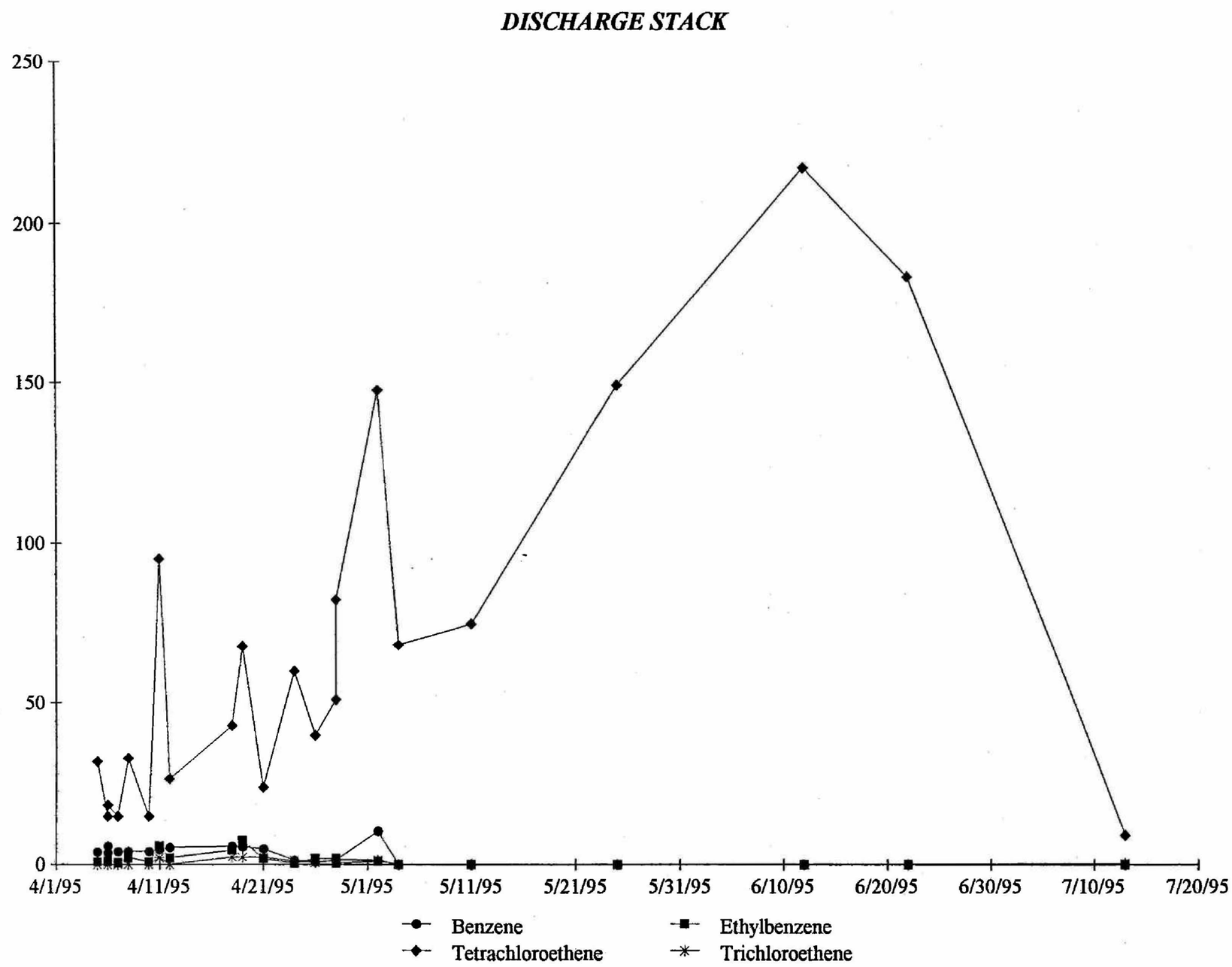
VOLATILE ANALYSIS FOR CLJ 16032

Sample Name	Date Sampled	Benzene (ug/L)	Ethylbenzene (ug/L)	Tetrachloroethene (ug/L)	Trichloroethene (ug/L)
System Total	4/5/95	12	5.2	199.2	6
System Total	4/6/95	11	8.3	240	6.3
System Total	4/6/95	12	3	81.5	ND
System Total	4/7/95	11.6	1.2	44.4	4.4
System Total	4/7/95	18	12.7	326.7	9.3
System Total	4/8/95	11	6.7	207.3	6
System Total	4/10/95	7.4	5.7	168.3	4.3
System Total	4/11/95	15.5	17.5	458.5	10.5
System Total	4/12/95	9.2	5.6	151.6	4.4
System Total	4/18/95	7.7	9.3	198.7	4.3
System Total	4/19/95	7.7	14.7	296	4.7
System Total	4/21/95	7.7	12.7	245.7	4.3
System Total	4/24/95	2	2.5	484.5	1.5
System Total	4/26/95	1.7	1.7	292	1
System Total	4/28/95	0.7	1.3	252.7	1.3
System Total	5/2/95	15.3	2	298.7	1
System Total	5/4/95	ND	ND	543	ND
System Total	5/11/95	ND	ND	583.5	ND
System Total	5/25/95	ND	ND	541	ND
System Total	6/12/95	ND	ND	433	ND
System Total	6/22/95	ND	ND	311	ND
System Total	7/13/95	ND	ND	55.3	0.6
System Total					


SYSTEM TOTAL
600
500
400
300
200
100
0
4/1/95
4/11/95
4/21/95
5/1/95
5/11/95
5/21/95
5/31/95
6/10/95
6/20/95
6/30/95
7/10/95
7/20/95
Benzene
Ethylbenzene
Tetrachloroethene
Trichloroethene

VOLATILE ANALYSIS FOR CLJ 16032

Sample Name	Date Sampled	Benzene (ug/L)	Ethylbenzene (ug/L)	Tetrachloroethene (ug/L)	Trichloroethene (ug/L)
Discharge Stack	4/5/95	3.8	0.8	31.8	ND
Discharge Stack	4/6/95	3.6	0.8	14.8	ND
Discharge Stack	4/6/95	5.7	1.1	18.3	ND
Discharge Stack	4/7/95	4	0.6	14.8	ND
Discharge Stack	4/8/95	4	2	32.8	ND
Discharge Stack	4/10/95	4	0.8	14.8	ND
Discharge Stack	4/11/95	4.6	5.6	95	2
Discharge Stack	4/12/95	5.2	2	26.4	ND
Discharge Stack	4/18/95	5.6	4.4	42.8	2.2
Discharge Stack	4/19/95	5.4	7.4	67.6	2.2
Discharge Stack	4/21/95	4.8	1.8	23.8	2.2
Discharge Stack	4/24/95	1.2	0.4	59.8	1
Discharge Stack	4/26/95	0.8	1.8	39.8	0.6
Discharge Stack	4/28/95	1	1.8	50.8	1.2
Discharge Stack	4/28/95	1.2	0.4	82.2	1.4
Discharge Stack	5/2/95	10.2	1	147.4	1.2
Discharge Stack	5/4/95	ND	ND	68	ND
Discharge Stack	5/11/95	ND	ND	74.6	ND
Discharge Stack	5/25/95	ND	ND	149	ND
Discharge Stack	6/12/95	ND	ND	217	ND
Discharge Stack	6/22/95	ND	ND	183	ND
Discharge Stack	7/13/95	ND	ND	8.94	0.26
Discharge Stack					


DISCHARGE STACK
250
200
150
100
50
0
4/1/95
4/11/95
4/21/95
5/1/95
5/11/95
5/21/95
5/31/95
6/10/95
6/20/95
6/30/95
7/10/95
7/20/95
Benzene
Ethylbenzene
Tetrachloroethene
Trichloroethene

SOIL PROBE DATA

Sample Number	Benzene (ug/L)		Ethylbenzene (ug/L)		Tetrachloroethene (ug/L)		Trichloroethene (ug/L)	
	3/31/95	7/13/95	3/31/95	7/13/95	3/31/95	7/13/95	3/31/95	7/13/95
CLJ15-V-01A	3.6	ND	0.4	ND	25.6	1.8	ND	ND
CLJ15-V-01B	3.8	ND	0.6	ND	35.8	1.13	ND	ND
CLJ15-V-02A	5.4	ND	ND	ND	359.4	3.7	6.6	ND
CLJ15-V-02B	8	ND	ND	ND	375.2	0.54	6	ND
CLJ15-V-03A	ND	ND	ND	ND	2.8	1557	ND	20.1
CLJ15-V-03A	~	ND	~	ND	~	1975	~	11.5
CLJ15-V-03B	54	ND	ND	ND	3614	420	68	1.74
CLJ15-V-03B	~	ND	~	ND	~	269	~	2.2
CLJ15-V-04A	50	ND	ND	ND	36	37.6	8	0.4
CLJ15-V-04B	224	ND	ND	0.22	1028	23.9	40	ND
CLJ15-V-05A	18	ND	1	ND	199.5	12.7	6	ND
CLJ15-V-05B		ND		ND		10.5		0.26
CLJ15-V-06A	10.4	ND	ND	ND	1049	7.8	14	ND
CLJ15-V-06B	20	ND	3	ND	328	12.6	ND	0.7
CLJ15-V-07A	5.2	ND	1.2	ND	85.4	4.9	2.2	ND
CLJ15-V-07ADUP	~	ND	~	ND	~	8.5	~	ND
CLJ15-V-07B	12	ND	1.2	ND	111	2.8	ND	ND
CLJ15-V-08A	4.4	ND	0.8	ND	69	2.6	ND	0.5
CLJ15-V-08ADUP	~	ND	~	ND	~	2.6	~	0.5
CLJ15-V-08B	5.2	ND	0.6	ND	113	4.54	2.4	ND
CLJ15-V-09A	3.8	ND	ND	ND	9	2.9	ND	ND
CLJ15-V-09B	3.8	ND	ND	ND	12.2	1.7	ND	0.3
CLJ15-V-10A		ND		ND		10.6		ND
CLJ15-V-10B	9.2	ND	ND	ND	22.8	1.6	6.4	ND

CLJ15-V-11A	3.8	ND	ND	ND	9.8	5.1	ND	ND
CLJ15-V-11B	4.6	ND	0.6	ND	55.6	1.6	2.2	ND
CLJ15-V-12A	5.6	ND	ND	ND	71.8	6.4	ND	ND
CLJ15-V-12B	20	ND	ND	ND	158	0.9	ND	ND
CLJ15-V-13A	8.4	ND	ND	ND	454	1.4	5.4	0.3
CLJ15-V-13B	13.5	ND	ND	ND	123	2.4	5.5	ND
CLJ15-V-14A	3.8	~	ND	~	16.2	~	ND	~
CLJ15-V-14B	9.5	ND	ND	ND	52	1.7	ND	ND
CLJ15-V-15A	4	ND	ND	ND	274	2	3.4	ND
CLJ15-V-15ADUP	~	ND	~	ND	~	1.8	~	ND
CLJ15-V-15B		ND		ND		1.5		ND
CLJ15-V-16A	3.8	ND	ND	ND	11.8	1.4	ND	ND
CLJ15-V-16B	3.8	ND	ND	ND	9.6	0.95	ND	ND

SOIL BORING DATA

VOLATILE ANALYSIS FOR CLJ 16032 (SOIL BORINGS)

Sample Number	Date	Benzene	Ethylbenzene	Tetrachloroethene	Trichloroethene
CLJ2,2(2-3)	7/18/95	45.2	ND	1.1	ND
CLJ2,2(9-10)	7/18/95	ND	ND	1.1	ND
CLJ2,2(15-16)	7/18/95	ND	ND	0.4	ND
CLJ3,2(3-4)	7/18/95	99.5	ND	8.2	ND
CLJ3,2(9-10)	7/18/95	3.8	ND	0.8	ND
CLJ3,2(15-16)	7/18/95	ND	ND	0.7	ND
CLJ3,5(2-3)	7/18/95	ND	ND	1.1	ND
CLJ3,5(9-10)	7/18/95	101.3	ND	4.4	ND
CLJ3-5(15-16)	7/18/95	ND	ND	ND	ND
CLJ4,1(2-3)	7/18/95	108.1	ND	4.7	ND
CLJ4,1(9-10)	7/18/95	108.3	ND	3	ND
CLJ4,1(15-16)	7/18/95	ND	ND	ND	ND
CLJ4,1(15-16)DUP	7/18/95	ND	ND	ND	ND
CLJ4,3(2-3)	7/18/95	115.2	ND	ND	ND
CLJ4,3(9-10)	7/18/95	132.4	ND	16.3	ND
CLJ4,3(15-16)	7/18/95	1.1	ND	ND	ND
CLJ4,3(15-16)DUP	7/18/95	0.8	ND	ND	ND
CLJ4,4(3-4)	7/18/95	ND	ND	0.9	ND
CLJ4,4(9-10)	7/18/95	ND	ND	0.5	ND
CLJ4,4(15-16)	7/18/95	ND	ND	ND	ND
CLJ5,3(2-3)	7/18/95	33.4	ND	ND	ND
CLJ5,3(9-10)	7/18/95	50	ND	ND	101
CLJ5,3(15-16)	7/18/95	0.8	ND	ND	ND
CLJ5,5(2-3)	7/18/95	40.6	ND	0.9	ND
CLJ5,5(9-10)	7/18/95	ND	ND	0.5	ND
CLJ5,5(15-16)	7/18/95	ND	ND	ND	ND
CLJ5,5(15-16)DUP	7/18/95	5.6	ND	ND	ND
Clean-up Criteria	(ug/Kg)	5.4		10.5	32.2

DATA COMPARISON

Comparison of Volatile Data Between Probes, Well Heads, and Borings

Sample Name	Date	Benzene	Ethylbenzene	Tetrachloroethene	Trichloroethene
CLJ2,2(2-3)	7/18/95	45.2	ND	1.1	ND
SVEW-1	7/13/95	ND	ND	65	ND
SVEW-8	7/13/95	ND	ND	4.3	0.26
CLJ15-V-01A	7/13/95	ND	ND	1.8	ND
CLJ15-V-02A	7/13/95	ND	ND	3.7	ND
CLJ15-V-03A	7/13/95	ND	ND	1557	20.1
CLJ3,2(3-4)	7/18/95	99.5	ND	8.2	ND
SVEW-1	7/13/95	ND	ND	65	ND
SVEW-2	7/13/95	ND	ND	619	ND
CLJ15-V-02A	7/13/95	ND	ND	3.7	ND
CLJ15-V-03A	7/13/95	ND	ND	1557	20.1
CLJ15-V-13B	7/13/95	ND	ND	2.4	ND
CLJ15-V-15A	7/13/95	ND	ND	2	ND
CLJ3,5(9-10)	7/18/95	101.3	ND	4.4	ND
SVEW-3	7/13/95	ND	ND	7.5	ND
CLJ15-V-06B	7/13/95	ND	ND	12.6	0.7
CLJ15-V-08B	7/13/95	ND	ND	4.54	ND
CLJ4,1(2-3)	7/18/95	108.1	ND	4.7	ND
SVEW-7	7/13/95	ND	ND	1.9	ND
SVEW-8	7/13/95	ND	ND	4.3	0.26
CLJ15-V-13B	7/13/95	ND	ND	2.4	ND
CLJ15-V-14B	7/13/95	ND	ND	1.7	ND
CLJ15-V-15A	7/13/95	ND	ND	2	ND
CLJ15-V-16A	7/13/95	ND	ND	1.4	ND

Comparison of Volatile Data Between Probes, Well Heads, and Borings

CLJ4,3(9-10)	7/18/95	132.4	ND	16.3	ND
SVEW-2	7/13/95	ND	ND	619	ND
SVEW-6	7/13/95	ND	ND	1.7	ND
CLJ15-V-04A	7/13/95	ND	ND	37.6	ND
CLJ15-V-05A	7/13/95	ND	ND	12.7	ND
CLJ15-V-12A	7/13/95	ND	ND	6.4	ND
CLJ4,4(3-4)	7/18/95	ND	ND	0.9	ND
SVEW-3	7/13/95	ND	ND	7.5	ND
SVEW-5	7/13/95	ND	ND	0.62	ND
CLJ15-V-05A	7/13/95	ND	ND	12.7	ND
CLJ15-V-07A	7/13/95	ND	ND	4.9	ND
CLJ15-V-10A	7/13/95	ND	ND	10.6	ND
CLJ5,3(9-10)	7/18/95	50	ND	ND	101
SVEW-5	7/13/95	ND	ND	0.62	ND
SVEW-6	7/13/95	ND	ND	1.7	ND
CLJ15-V-11A	7/13/95	ND	ND	5.1	ND
CLJ15-V-12A	7/13/95	ND	ND	6.4	ND
CLJ5,5(2-3)	7/18/95	40.6	ND	0.9	ND
SVEW-4	7/13/95	ND	ND	5.6	ND
SVEW-5	7/13/95	ND	ND	0.62	ND
CLJ15-V-07A	7/13/95	ND	ND	4.9	ND
CLJ15-V-09A	7/13/95	ND	ND	2.9	ND
CLJ15-V-10A	7/13/95	ND	ND	10.6	ND

NOTES: The concentrations used for soil boring samples are the most contaminated concentrations. All numbers are in ppb. The soil boring numbers are in ug/Kg. The soil probes and the well head samples are listed in ug/L.