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91648

REMEDIAL DESIGN INVESTIGATIVE ACTIVITIES SUMMARY REPORT (REVISION 2.0)

VOLUME II: APPENDICES

Prepared for

U.S. Environmental Protection Agency

Prepared by

TRC

Irvine, California

Representing

Waste Disposal, Inc. Group (WDIG)

May 2001

APPENDIX A

TECHNICAL MEMORANDUM NO. 10 -
ADDITIONAL SOIL SAMPLING AND LEACHABILITY
TESTING DATA (REVISED TEXT INCLUDED)
(THIS APPENDIX WAS PREVIOUSLY PROVIDED ON CD-ROM IN DISK 1 OF 2 THE APRIL 1999 SUBMISSION)

TRC

APPENDIX B

TECHNICAL MEMORANDA NOS. 6, 8 AND 12 -
RESERVOIR LIQUIDS TESTING LABORATORY
ANALYTICAL DATA AND CHAINS-OF-CUSTODY
(REVISED TEXT INCLUDED)
(THIS APPENDIX WAS PREVIOUSLY PROVIDED ON CD-ROM IN DISK 1 OF 2 THE APRIL 1999 SUBMISSION)

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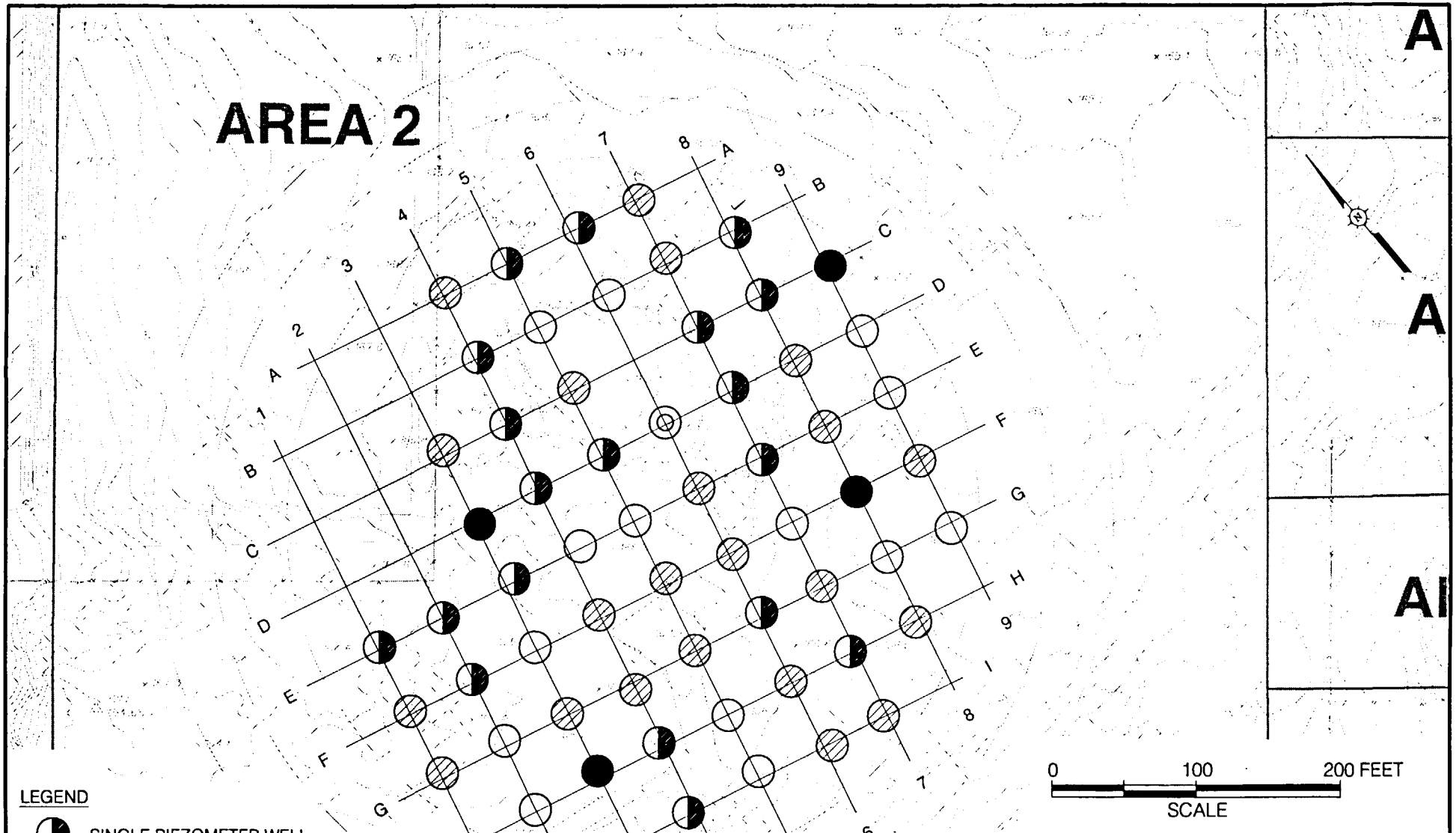
APPENDIX B.1

FIGURES AND TABLES
NOT INCLUDED IN APPENDIX B

TRC

94-256ROFTM6/12-18 REV. 10/29/98



LEGEND

- SINGLE PIEZOMETER WELL
- DUAL PIEZOMETER WELL
- OIL
- SLUDGE
- WATER

REFERENCE: CDM FEDERAL PROGRAMS CORPORATION, GEOPROBE OBSERVATIONS, DATE JULY 28, 1998

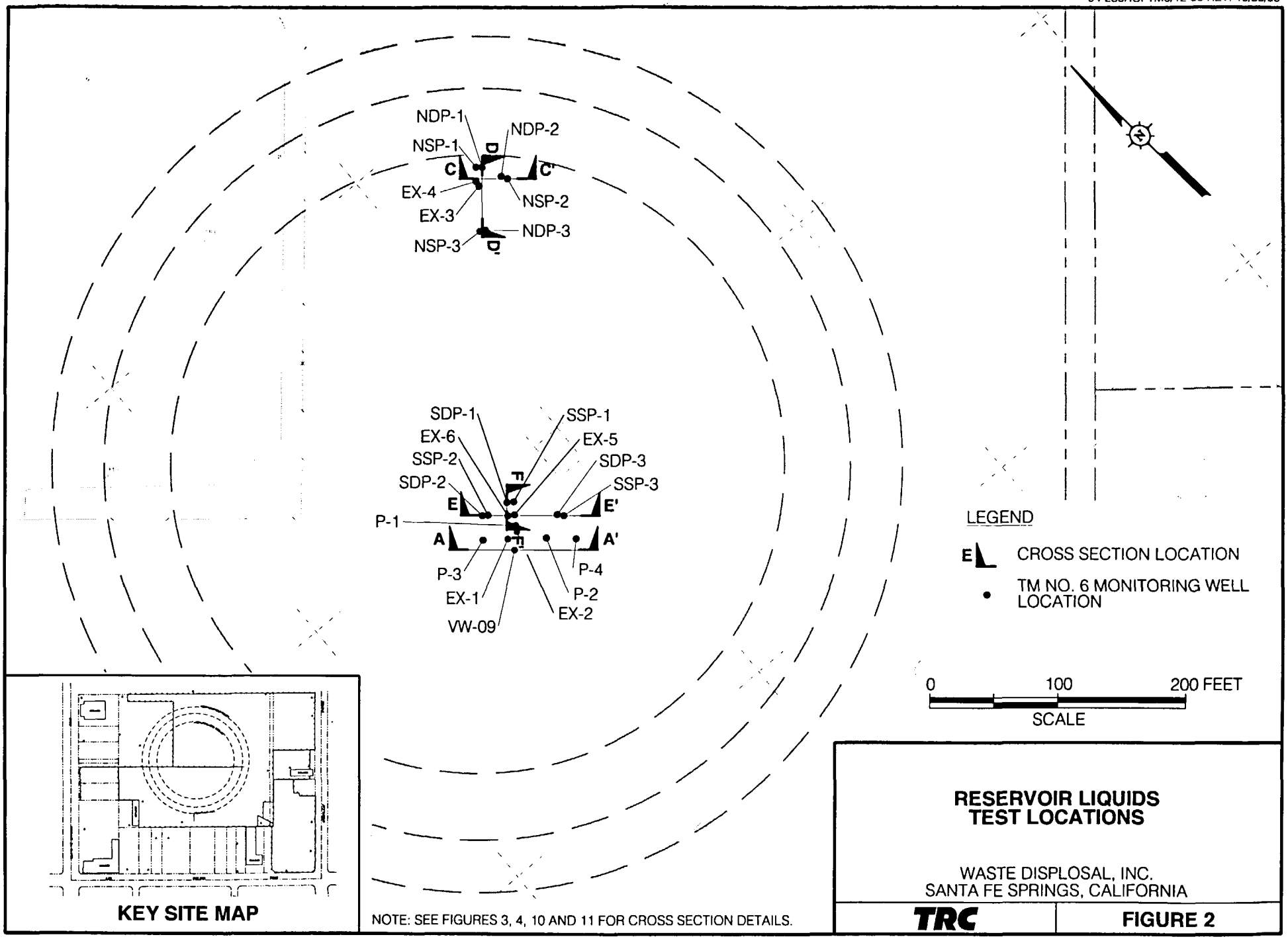
EPA PIEZOMETER LOCATIONS WITHIN THE RESERVOIR BOUNDARY

WASTE DISPOSAL, INC.
SANTA FE SPRINGS, CALIFORNIA

TRC

FIGURE 1

94-256ROFTM6/12-05 REV. 10/30/98



NOTE: SEE FIGURES 3, 4, 10 AND 11 FOR CROSS SECTION DETAILS.

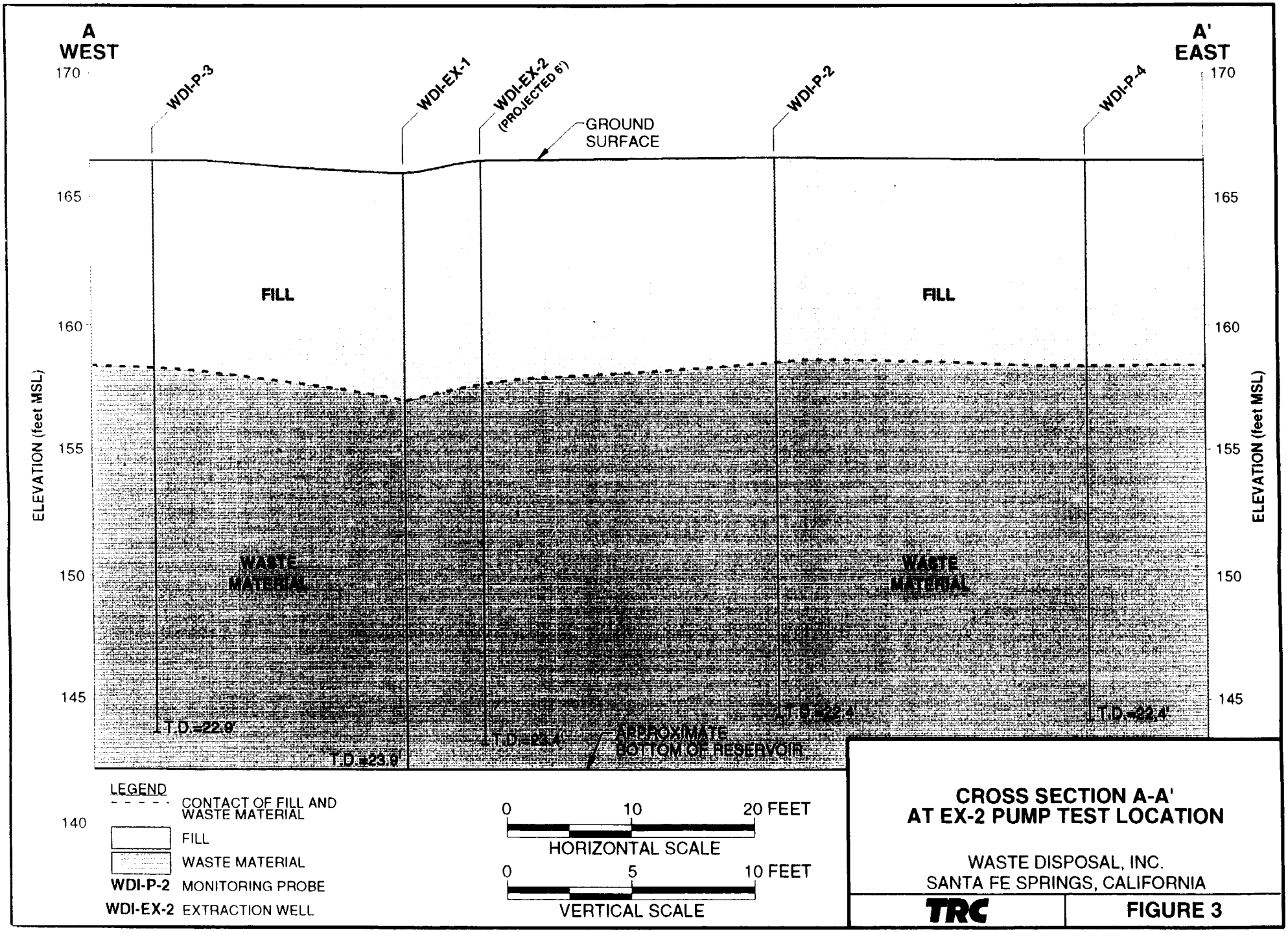
RESERVOIR LIQUIDS TEST LOCATIONS

WASTE DISPLOSAL, INC.
SANTA FE SPRINGS, CALIFORNIA

TRC

FIGURE 2

94-256ROFTM6/12-16 REV.10/30/98

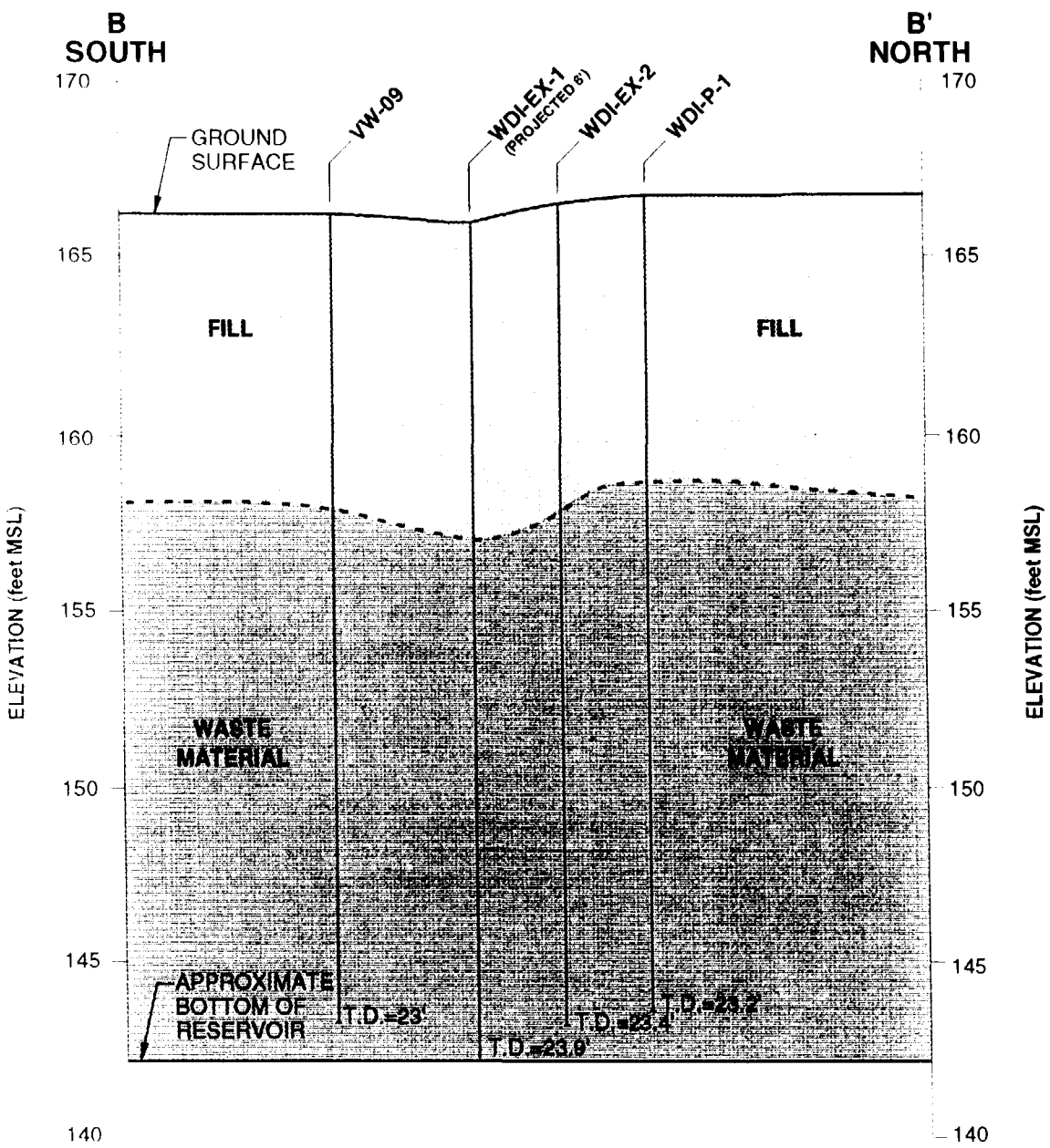


CROSS SECTION A-A'
AT EX-2 PUMP TEST LOCATION

WASTE DISPOSAL, INC.
SANTA FE SPRINGS, CALIFORNIA

TRC

FIGURE 3



LEGEND

- - - - - CONTACT OF FILL AND WASTE MATERIAL

FILL

WASTE MATERIAL

WDI-P-1 MONITORING PROBE

WDI-EX-2 EXTRACTION WELL

0 10 20 FEET
HORIZONTAL SCALE

0 5 10 FEET
VERTICAL SCALE

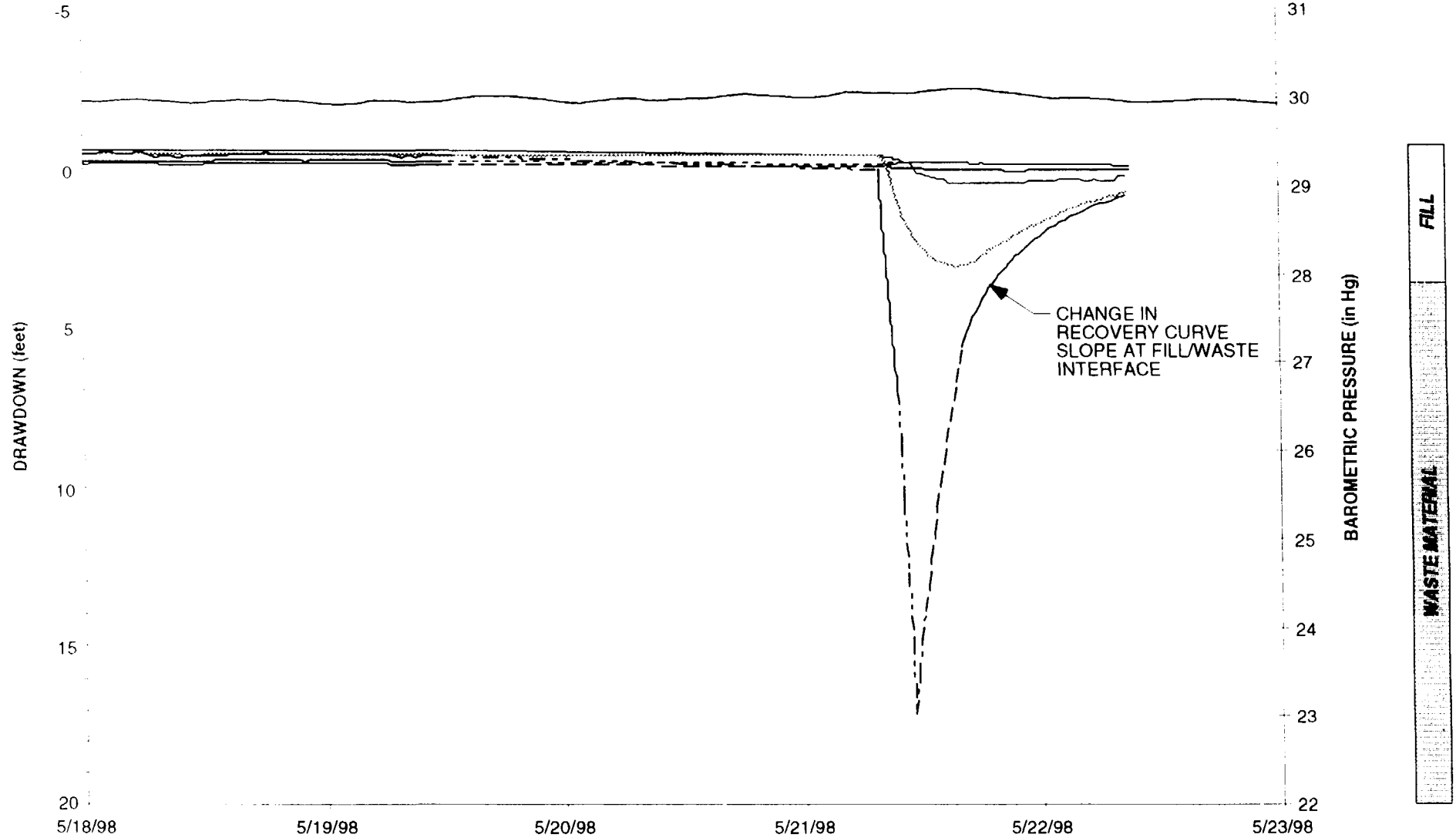
CROSS SECTION B-B'
AT EX-2 PUMP TEST LOCATION

WASTE DISPOSAL, INC.
SANTA FE SPRINGS, CALIFORNIA

TRC

FIGURE 4

94-256ROFTM6/12-11 REV.10/29/98



LEGEND

- P-1
- P-2
- P-3
- P-4
- EX-2
- VW-9
- BAROMETRIC PRESSURE

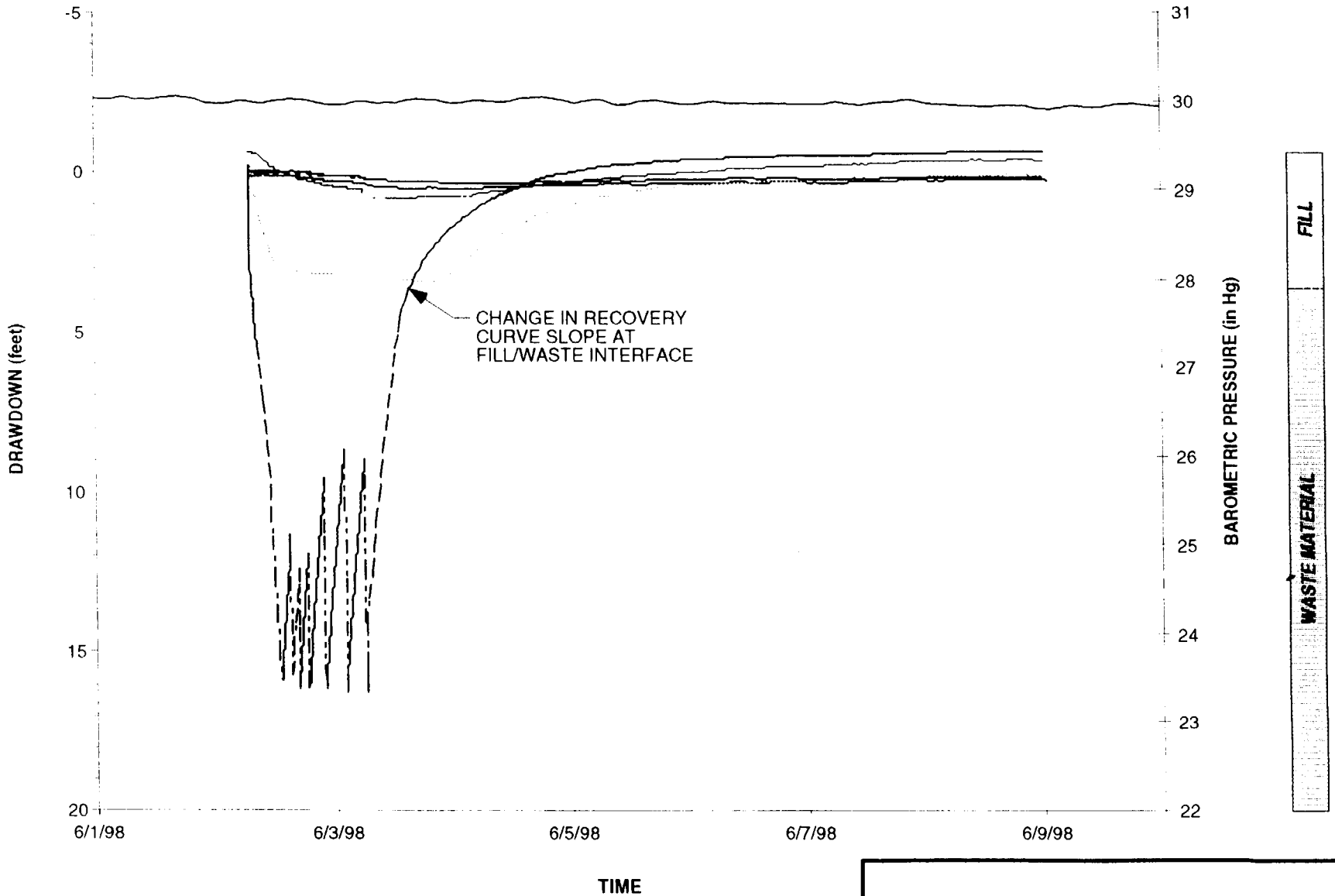
NOTE: THE RECOVERY CURVE LEVEL MONITORING WAS INADVERTENTLY CUTOFF DURING THE TEST DUE TO EQUIPMENT MALFUNCTION.

0.5 GPM TEST DATA

WASTE DISPOSAL, INC.
SANTA FE SPRINGS, CALIFORNIA

TRC

FIGURE 5



LEGEND
- P-1
- P-2
- P-3
- P-4
- EX-2
- VW-9
- BAROMETRIC PRESSURE

NOTE: THE BASELINE CURVE LEVEL MONITORING WAS INADVERTENTLY CUT OFF DUE TO EQUIPMENT MALFUNCTION.

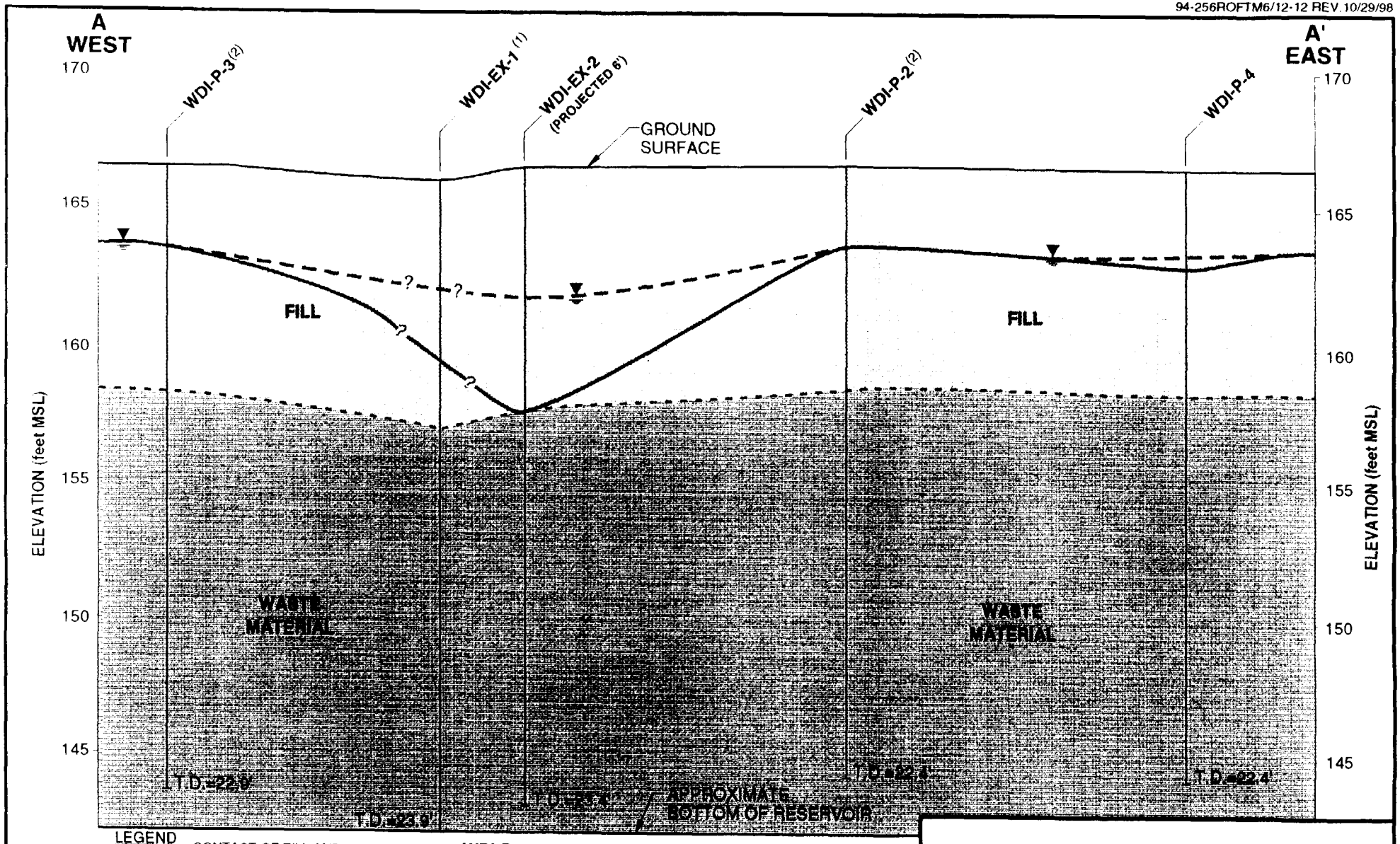
0.25 GPM TEST DATA AND CYCLE TEST DATA

WASTE DISPOSAL, INC.
SANTA FE SPRINGS, CALIFORNIA

TRC

FIGURE 6

94-256ROFTM6/12-12 REV. 10/29/98

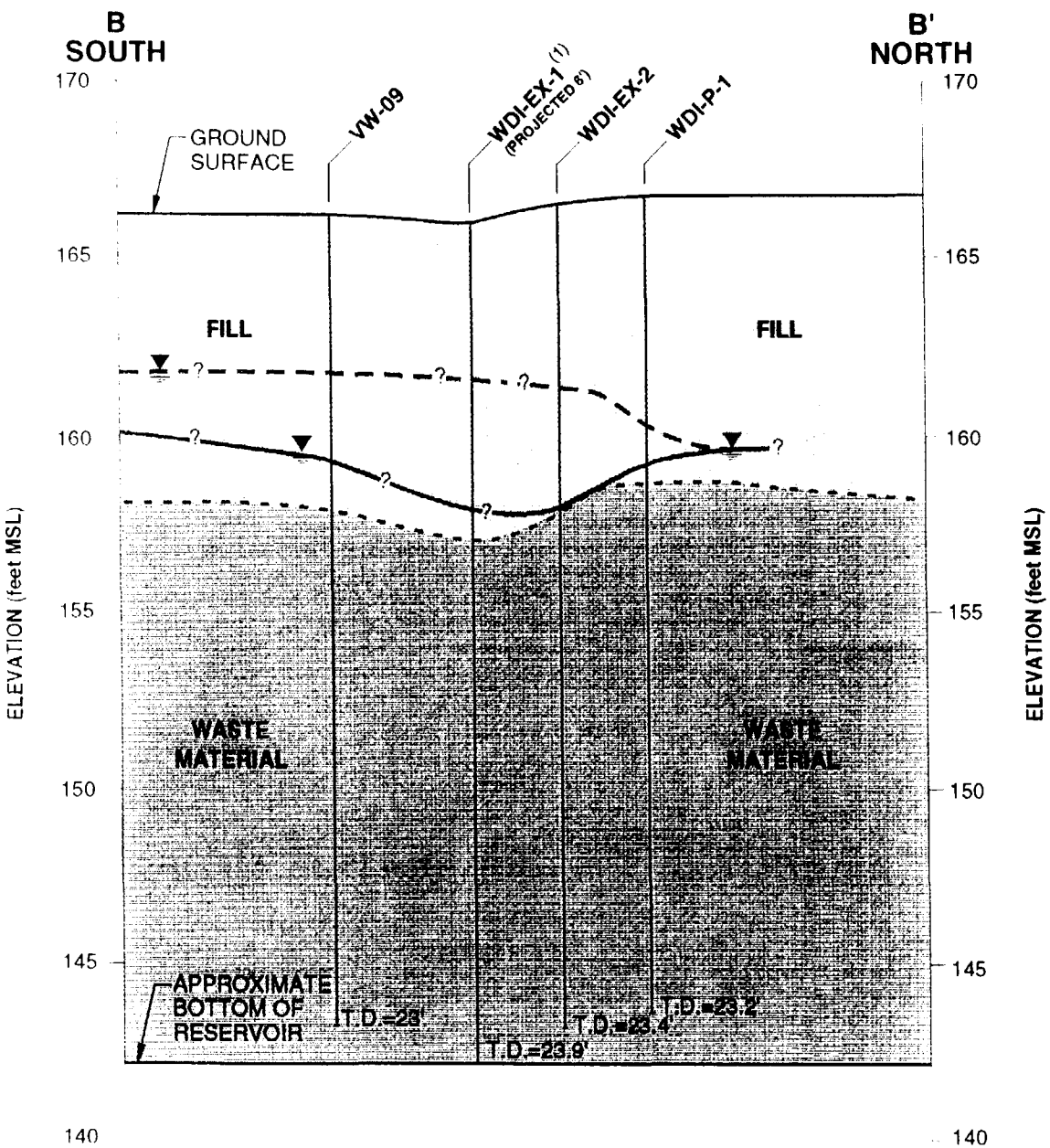


CROSS SECTION A-A' WITH LIQUID LEVELS AT EX-2 PUMP TEST LOCATION

WASTE DISPOSAL, INC.
SANTA FE SPRINGS, CALIFORNIA

TRC

FIGURE 7



(1) WELL EX-1 DOES NOT CONTAIN SIGNIFICANT LIQUIDS AND IS CONSIDERED A DRY WELL.

LEGEND

- - - - - CONTACT OF FILL AND WASTE MATERIAL
— ▼ — PRE-PUMP TEST LIQUID LEVEL
▼ MAXIMUM DRAWDOWN DURING 0.25 gpm PUMP TEST
—?— UNCERTAIN DUE TO THE LACK OF LIQUIDS IN WDI-EX-1
FILL
WASTE MATERIAL
WDI-P-1 MONITORING PROBE
WDI-EX-2 EXTRACTION WELL
VW-09 EXISTING MONITORING PROBE

0 10 20 FEET
HORIZONTAL SCALE

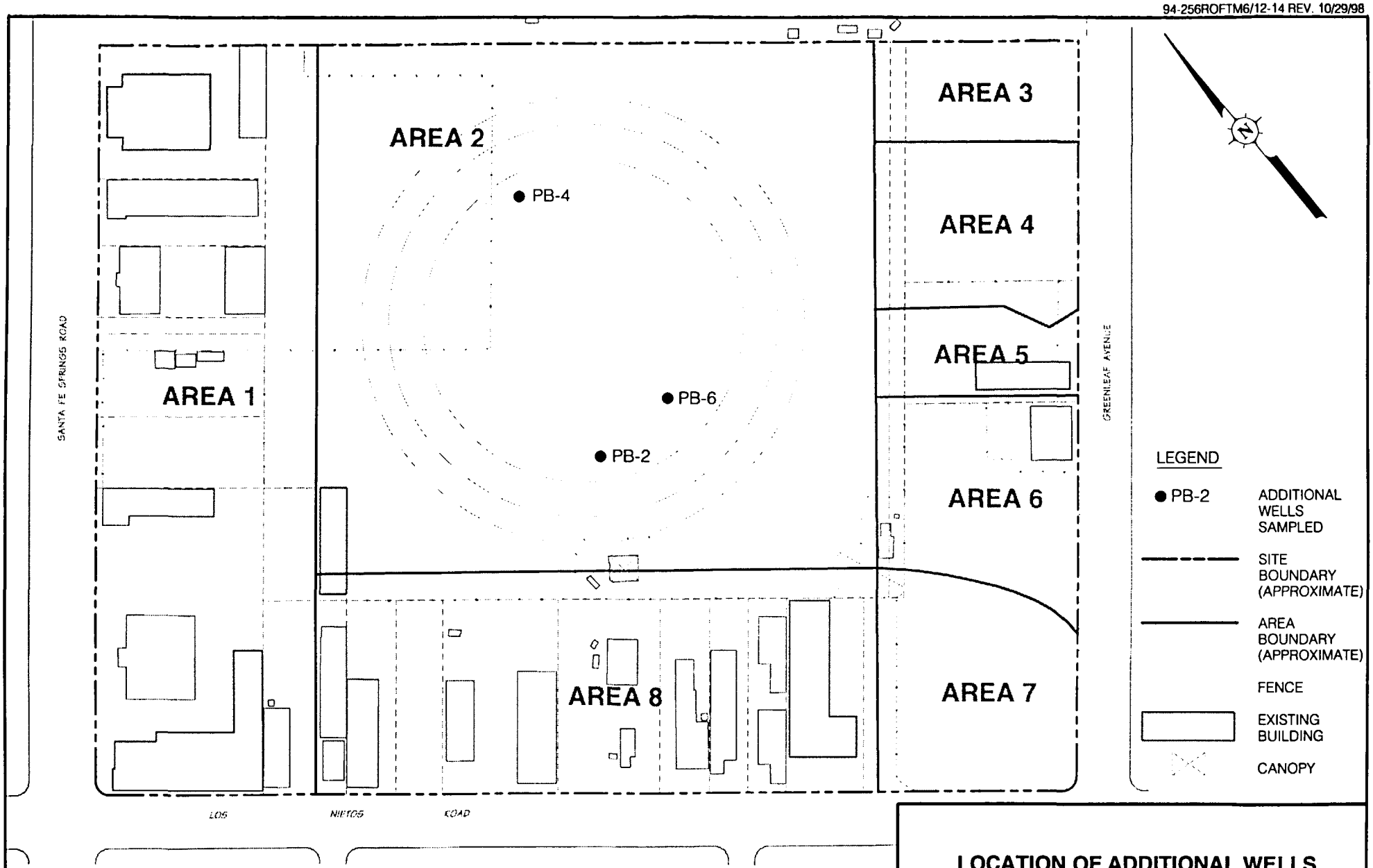
0 5 10 FEET
VERTICAL SCALE

CROSS SECTION B-B'
WITH LIQUID LEVELS
AT EX-2 PUMP TEST LOCATION

WASTE DISPOSAL, INC.
SANTA FE SPRINGS, CALIFORNIA

TRC | **FIGURE 8**

94-256ROFTM6/12-14 REV. 10/29/98



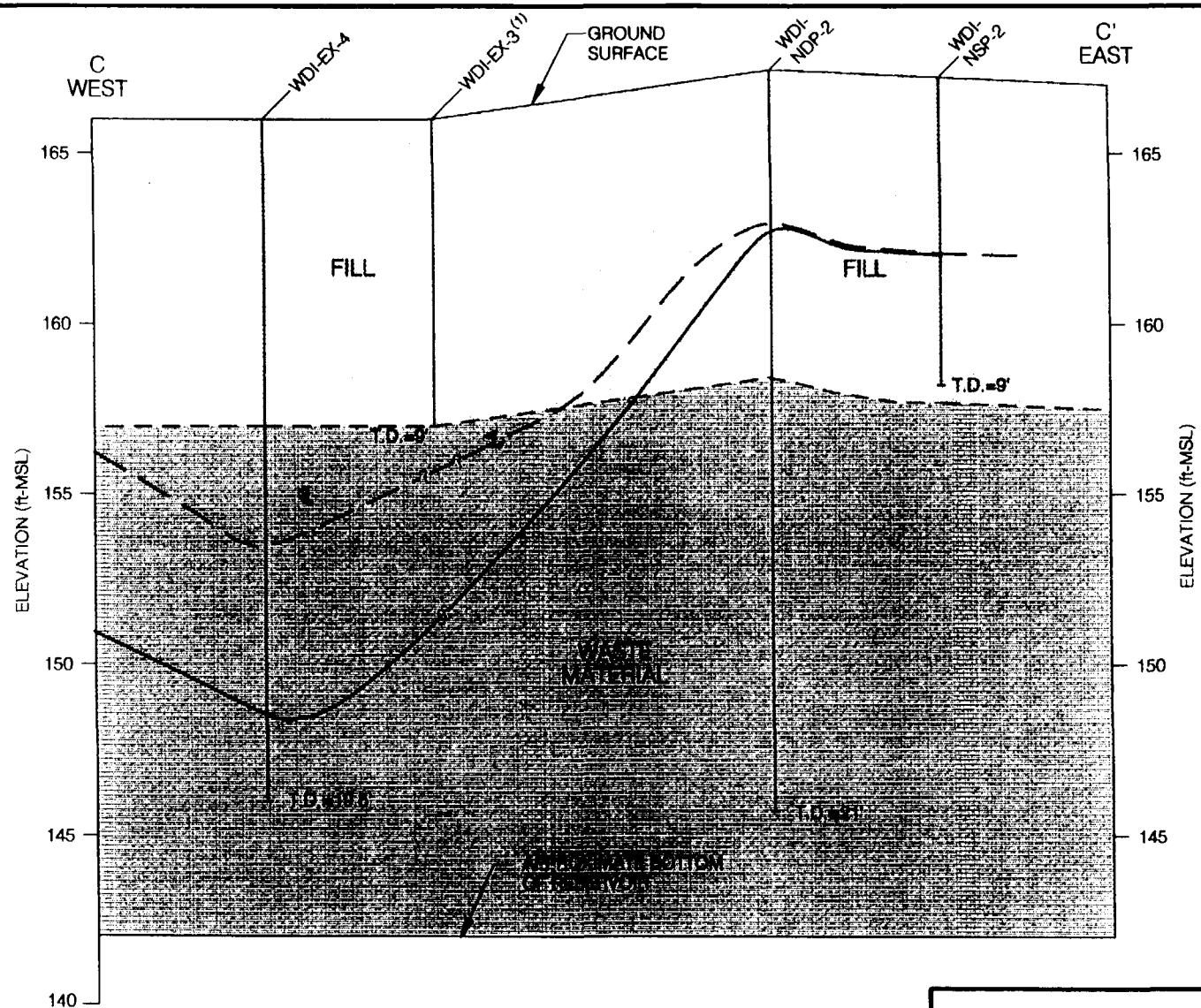
REFERENCE: BASED ON FIGURES 2.3 AND 2.7, FINAL REMEDIAL INVESTIGATION REPORT, EBASCO, 1989d.

LOCATION OF ADDITIONAL WELLS SAMPLED WITHIN RESERVOIR

WASTE DISPOSAL, INC.
SANTA FE SPRINGS, CALIFORNIA

TRC

FIGURE 9



LEGEND

- CONTACT OF FILL AND WASTE MATERIAL
- PRE-PUMP TEST LIQUID LEVEL
- MAXIMUM DRAWDOWN DURING PUMP TEST
- UNCERTAIN DUE TO THE LACK OF LIQUIDS IN WDI-EX-3
- FILL
- WASTE MATERIAL

0 5 10 FEET
VERTICAL SCALE

0 10 20 FEET
HORIZONTAL SCALE

(1) WELL EX-3 DOES NOT CONTAIN SIGNIFICANT LIQUIDS AND IS CONSIDERED A DRY WELL

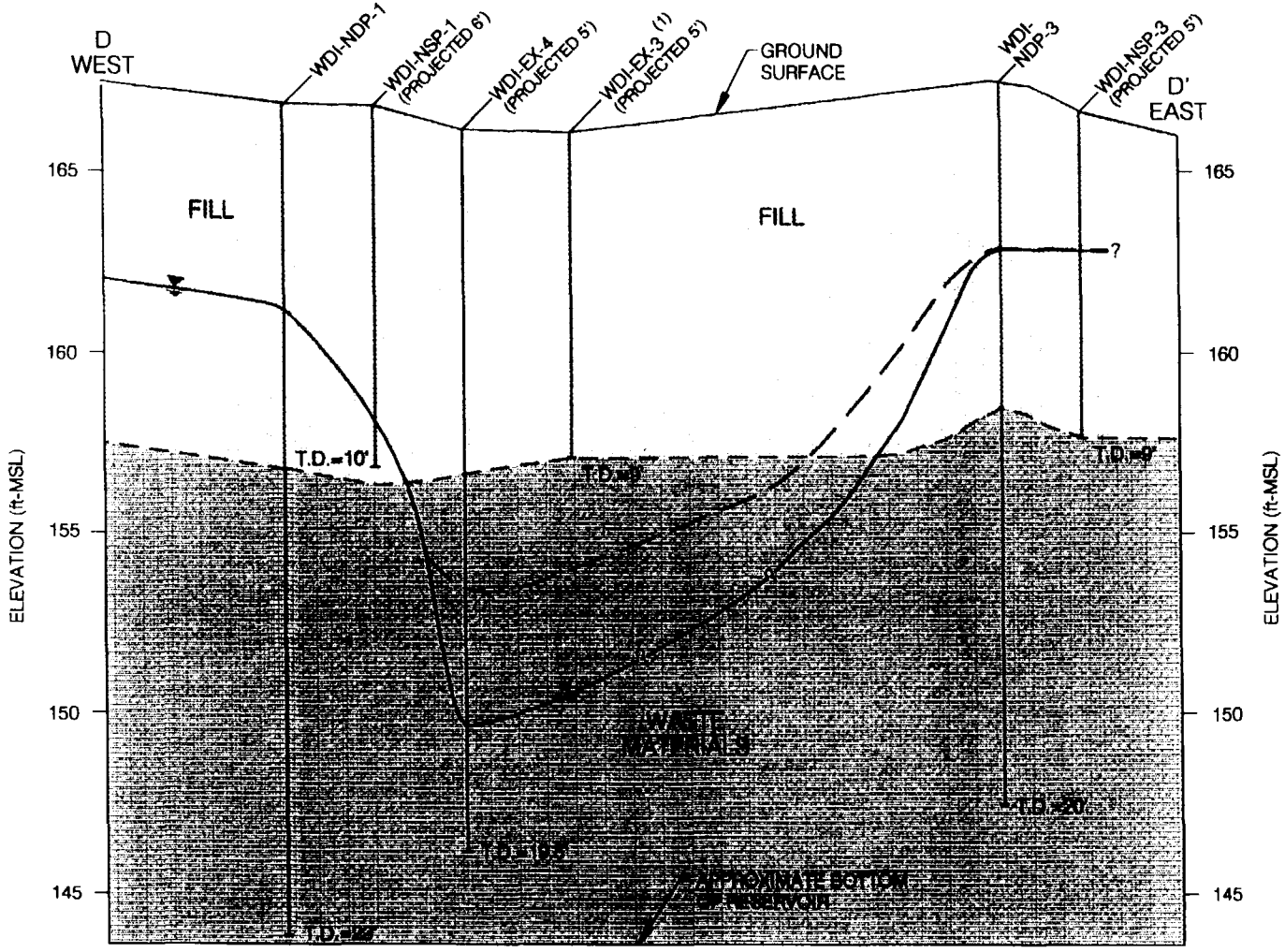
CROSS SECTION C-C' WITH LIQUID LEVELS AT EX-4 PUMP TEST LOCATION

WASTE DISPOSAL, INC.
SANTA FE SPRINGS, CALIFORNIA

TRC

FIGURE 10

94-256ROFTM6/12-04 REV. 10/30/98



LEGEND

- CONTACT OF FILL AND WASTE MATERIAL
- PRE-PUMP TEST LIQUID LEVEL
- MAXIMUM DRAWDOWN DURING PUMP TEST
- UNCERTAIN DUE TO THE LACK OF LIQUIDS IN WDI-EX-3
- FILL
- WASTE MATERIAL

0 5 10 FEET
VERTICAL SCALE

0 10 20 FEET
HORIZONTAL SCALE

(1) WELL EX-3 DOES NOT CONTAIN SIGNIFICANT LIQUIDS AND IS CONSIDERED A DRY WELL.

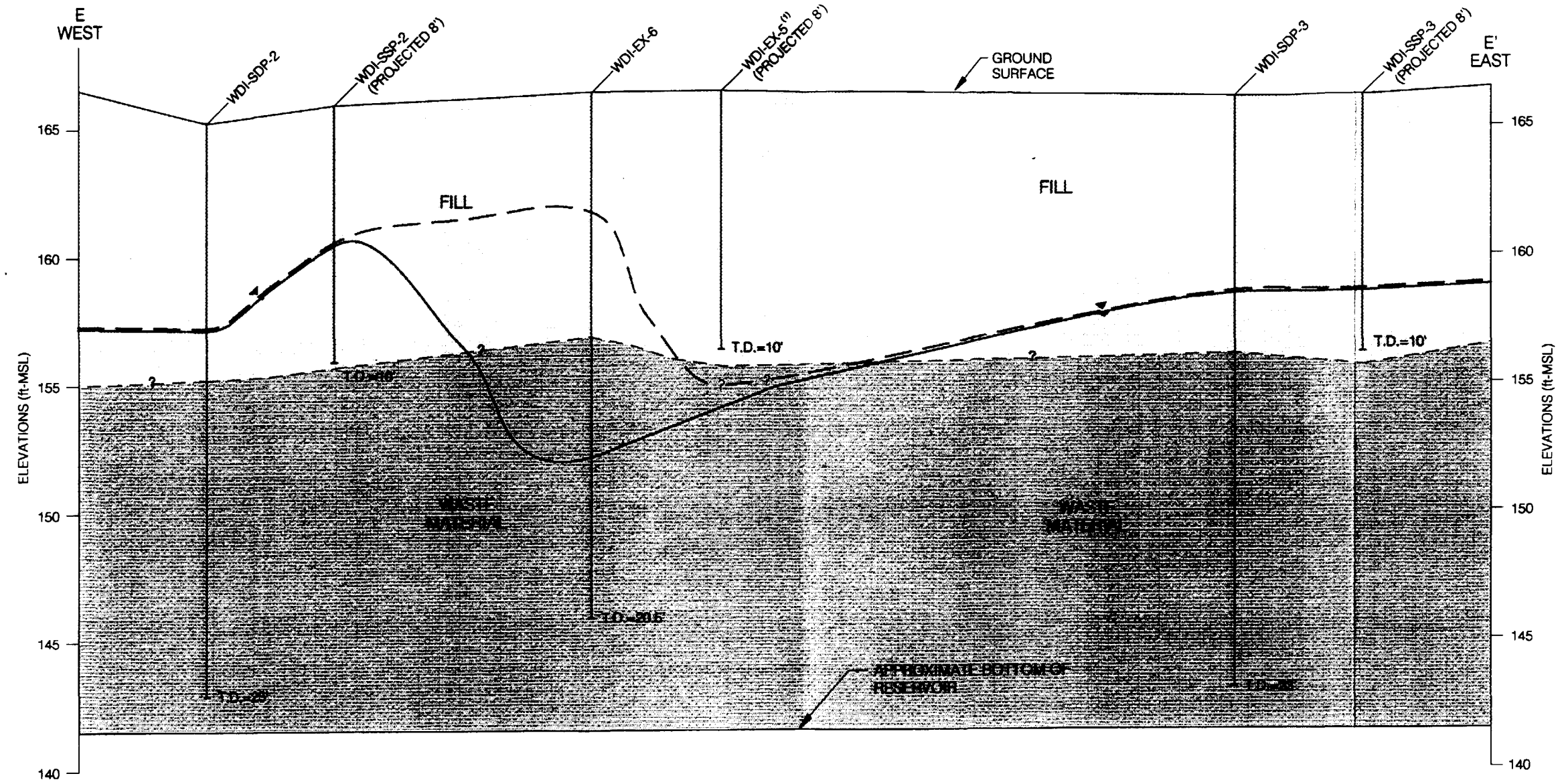
CROSS SECTION D-D' WITH LIQUID LEVELS AT EX-4 PUMP TEST LOCATION

WASTE DISPOSAL, INC.
SANTA FE SPRINGS, CALIFORNIA

TRC

FIGURE 11

94-256ROFTM6/12-02 REV. 10/30/98



LEGEND

- CONTACT OF FILL AND WASTE MATERIAL
- PRE-PUMP TEST LIQUID LEVEL
- MAXIMUM DRAWDOWN DURING PUMP TEST
- UNCERTAIN DUE TO THE LACK OF LIQUIDS IN WDI-EX-5
- FILL
- WASTE MATERIAL

(1) WELL EX-5 DOES NOT CONTAIN SIGNIFICANT LIQUIDS AND IS CONSIDERED A DRY WELL

0 5 10 FEET
VERTICAL SCALE

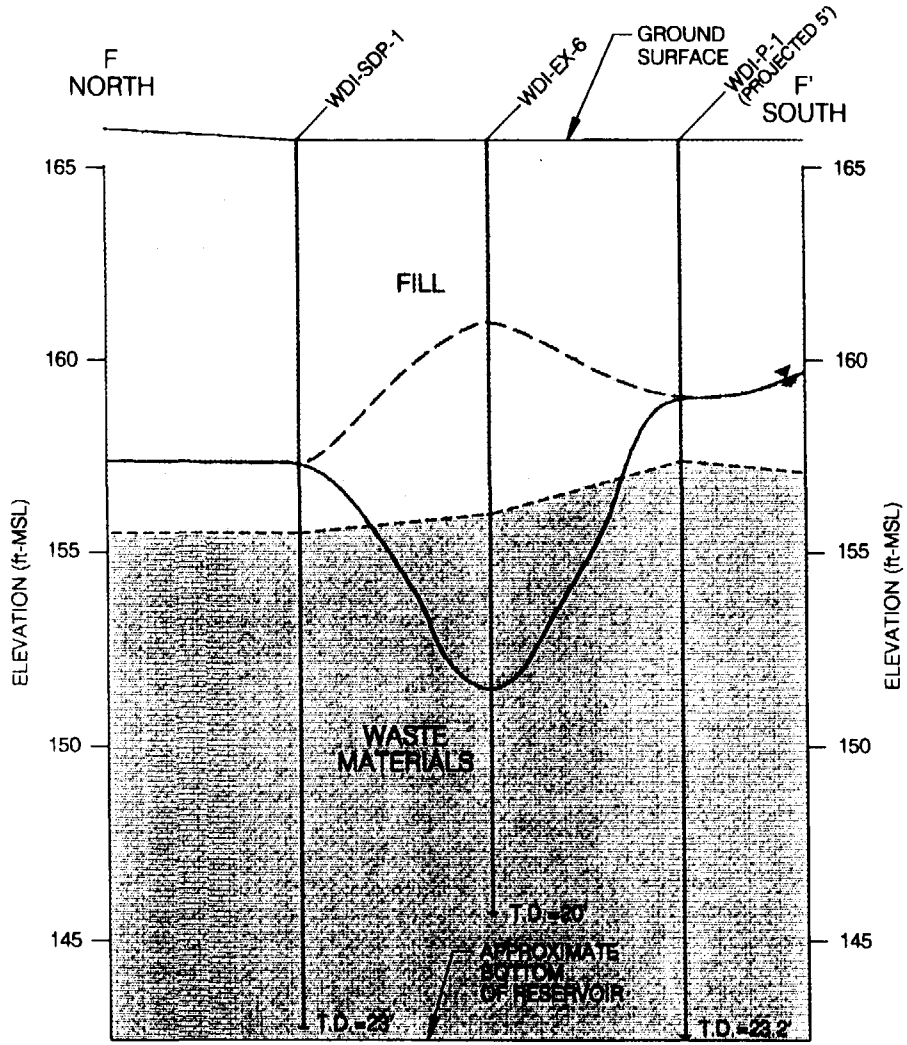
0 10 20 FEET
HORIZONTAL SCALE

CROSS SECTION E-E' WITH LIQUID LEVELS AT EX-6 PUMP TEST LOCATION

WASTE DISPOSAL, INC.
SANTA FE SPRINGS, CALIFORNIA

TRC

FIGURE 12



LEGEND

- CONTACT OF FILL AND WASTE MATERIAL
- PRE-PUMP TEST LIQUID LEVEL
- MAXIMUM DRAWDOWN DURING PUMP TEST
- FILL
- WASTE MATERIAL

0 5 10 FEET
VERTICAL SCALE

0 10 20 FEET
HORIZONTAL SCALE

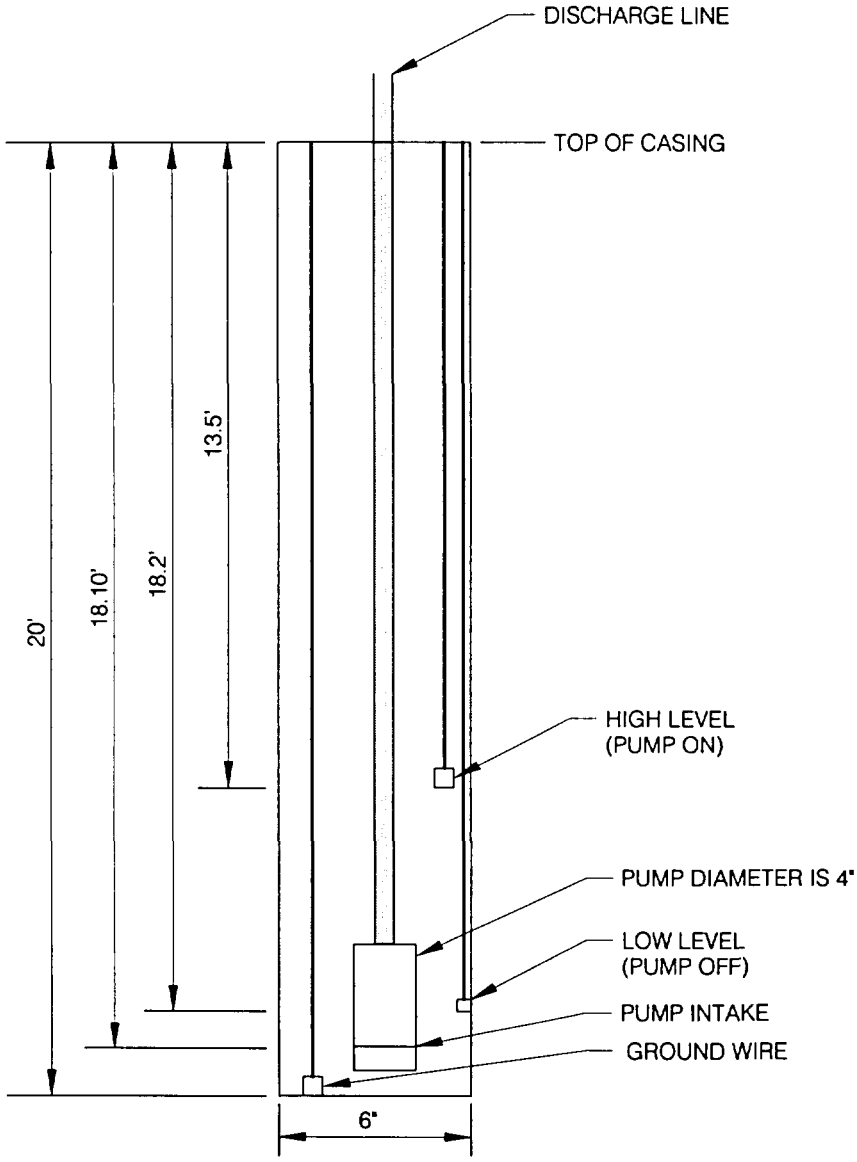
CROSS SECTION F-F' WITH LIQUID LEVELS AT EX-6 PUMP TEST LOCATION

WASTE DISPOSAL, INC.
SANTA FE SPRINGS, CALIFORNIA

TRC

FIGURE 13

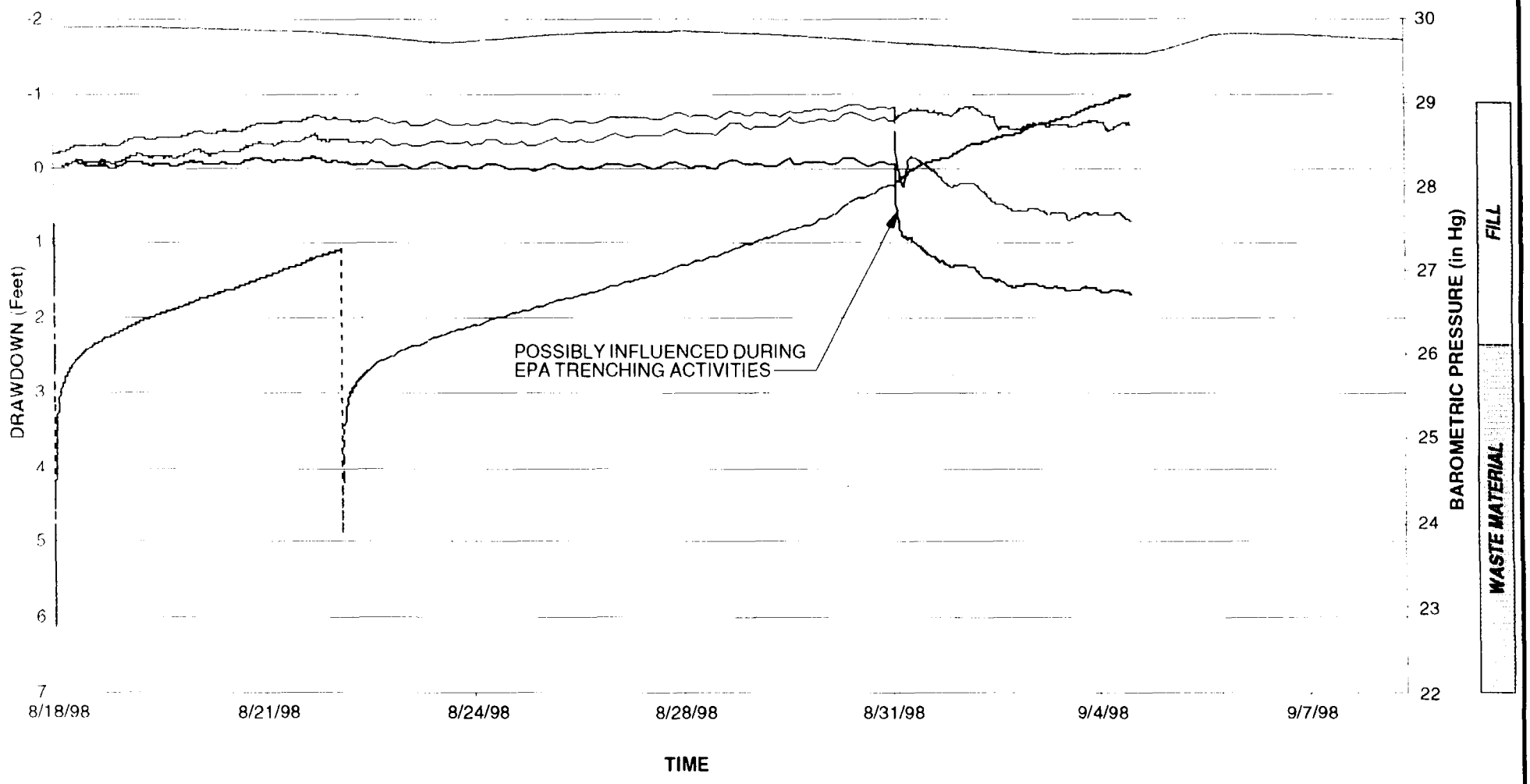
94-256ROFTM6/12-07 REV.10/30/98



PUMP SETUP WITH ELECTRODES, PUMP AND DISCHARGE LINE FOR EX-4 AND EX-6 PUMP TESTS

WASTE DISPOSAL, INC.
SANTA FE SPRINGS, CALIFORNIA

TRC | **FIGURE 14**



LEGEND

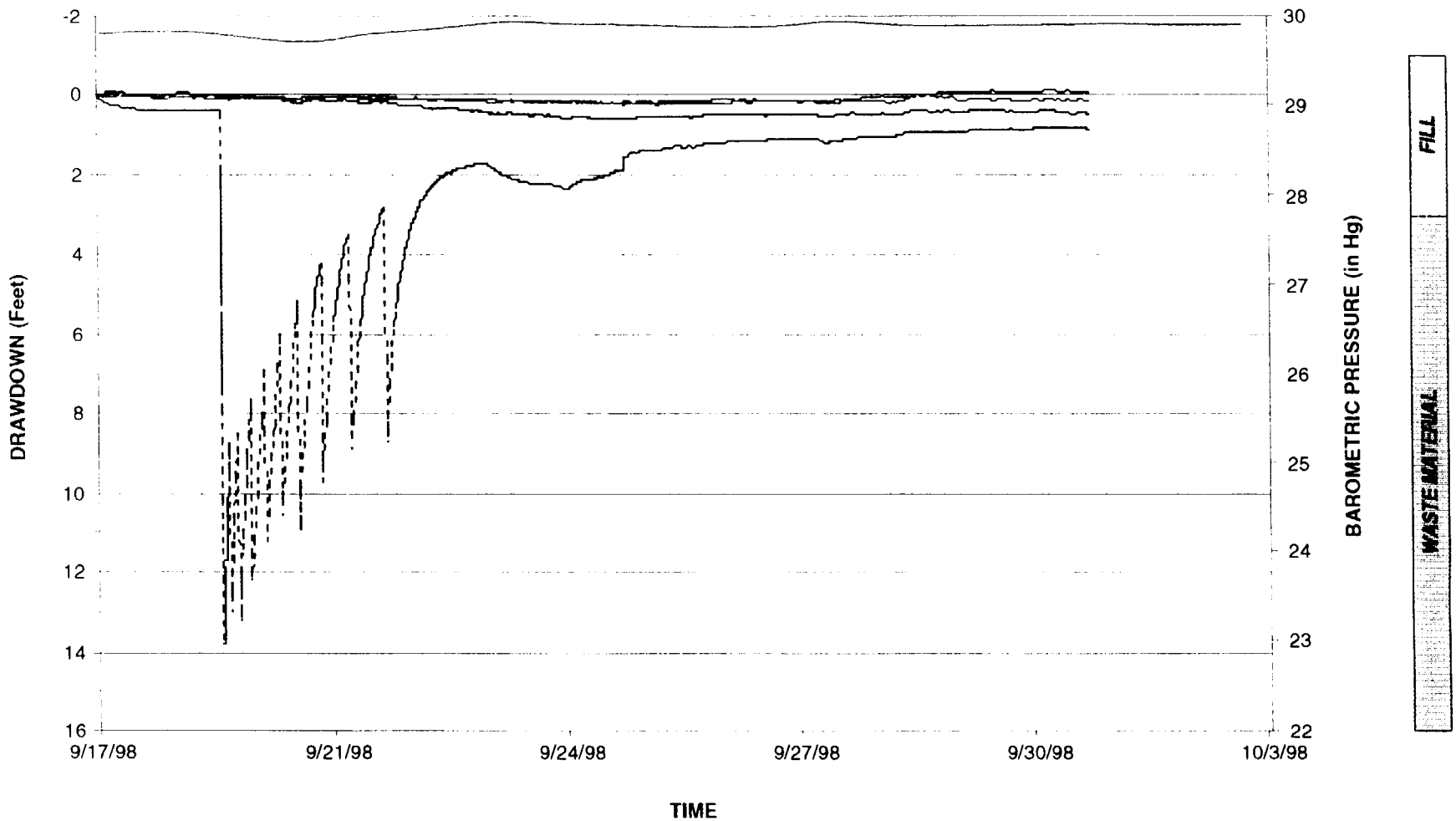
- - - - - - EX-4
- · - · - NDP-1
— — — NDP-2
NDP-3
BAROMETRIC PRESSURE

EX-4 PUMP TEST DATA

WASTE DISPOSAL, INC.
SANTA FE SPRINGS, CALIFORNIA

TRC

FIGURE 15



LEGEND

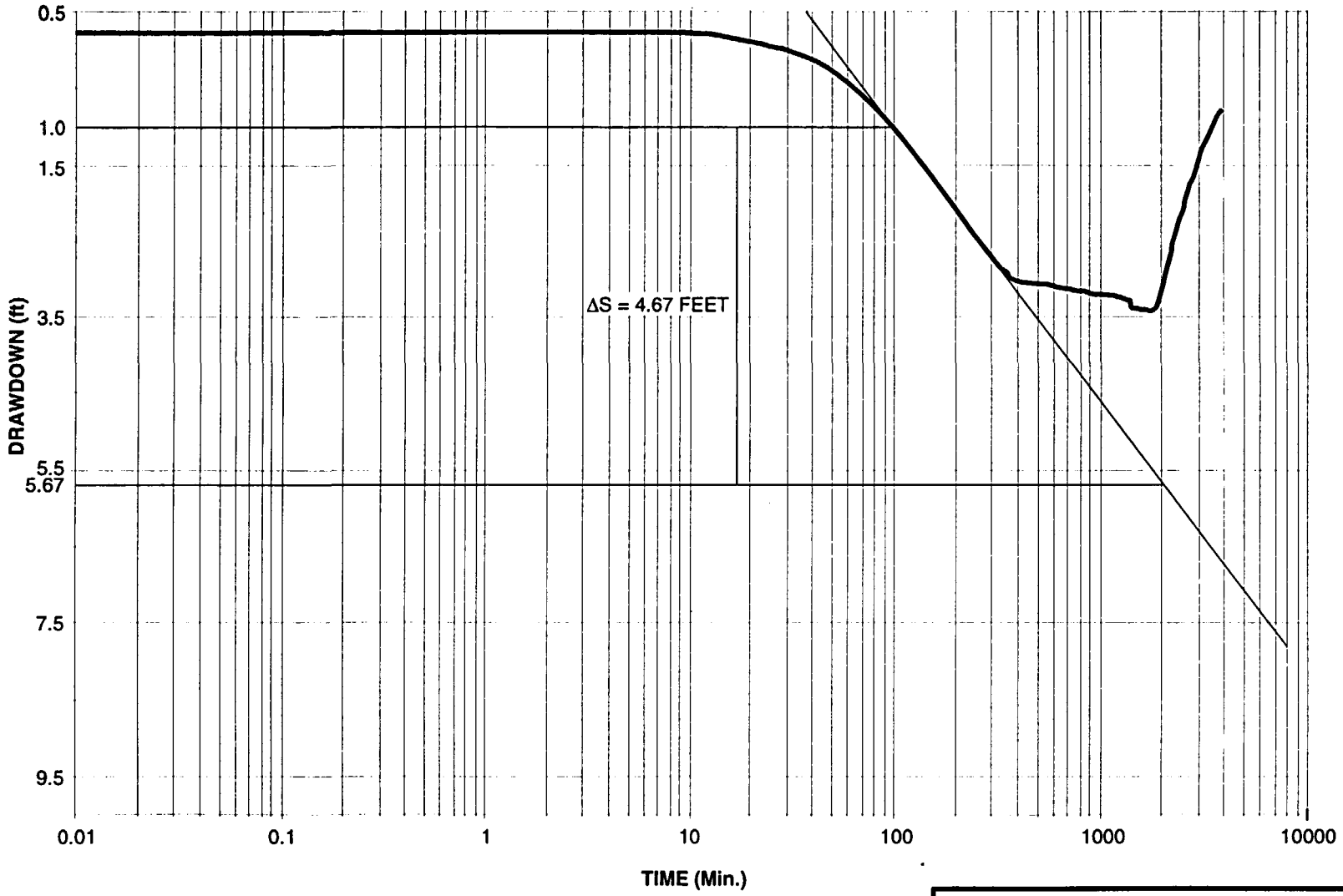
- EX-6
- SDP-1
- SDP-2
- SDP-3
- P-1
- BAROMETRIC PRESSURE

EX-6 PUMP TEST DATA

WASTE DISPOSAL, INC.
SANTA FE SPRINGS, CALIFORNIA

TRC

FIGURE 16



LEGEND

—— VW-09

VW-09 DRAWDOWN CURVE FOR 0.25 GPM PUMP TEST

WASTE DISPOSAL, INC.
SANTA FE SPRINGS, CALIFORNIA

TRC

FIGURE 17

TABLE 1

ACTIVITIES PERFORMED UNDER TM NO. 6, 8 AND 12
WASTE DISPOSAL, INC. SUPERFUND SITE

DATE	ACTIVITY	DEVIATIONS FROM TMs	COMMENTS
TM NOS. 6 AND 8			
12/11/97	Installation of Monitoring Probes P-1, -2, -3, -4.	--	--
12/12/97	Installation of EX-1.	--	--
12/16/97, 12/17/97, 12/19/97, 12/26/97, 2/4/98, 2/11/98, 2/19/98, 3/25/98	Sounded liquid levels in P-1 through -4, EX-1, VW-09.	--	Extraction Well EX-1 was dry.
5/4/98	Set transducers in EX-2, P-1 through -3 and VW-09.	Installed EX-2 under TM No. 8.	Began recording liquid levels in wells to establish background data.
5/6/98	Sounded liquid levels in P-1 through -4, EX-2, VW-09.	--	No free product detected in EX-2.
	ERT sampled and bailed P-1, -3 and -4.	Free product recovery will be determined by hand bailing and recording recovery rates using transducer.	--
5/7/98	Installed transducer in P-4. ERT sampled and bailed P-2 and VW-09.	Free product recovery will be determined by hand bailing and recording recovery rates using transducer.	--
5/11/98	Sampled and bailed P-1 to -4, VW-09 and EX-2.	--	--
	Initiated pump test at 0.5 gpm pump rate.	Ran test for approximately one hour and 45 minutes. EPA and TRC decided to stop test because wells had not fully recovered from sampling.	--
5/12/98	Sounded liquid levels in P-1 through -4, EX-2 and VW-09.	--	Wells were not fully recovered to static level.
5/13/98	Sounded liquid levels in P-1 through -4, EX-2 and VW-09.	--	Weather conditions (rain) postponed pump test startup.
5/21/98	Began pump test at 0.5 gpm pump rate.	--	Dewatered EX-2 in 3 hours and 19 minutes.

-- Not applicable

TABLE 1

ACTIVITIES PERFORMED UNDER TM NO. 6, 8 AND 12
WASTE DISPOSAL, INC. SUPERFUND SITE
(Continued)

DATE	ACTIVITY	DEVIATIONS FROM TMs	COMMENTS
5/22/98	Sounded liquid levels in P-1 through -4, EX-2 and VW-09.	--	--
6/2/98	Began pump test at 0.25 gpm pump rate.	TRC and EPA decided to reduce the pump rate to 0.25 gpm based on results from 0.5 gpm results.	Dewatered EX-2 in 5 hours and 5 minutes.
	--	Began series of cycle pump tests to observe recovery rates and determine if perched zone can be dewatered.	--
6/3/98	--	Continued cycle pump tests.	--
6/11/98	Sampled liquids in VW-09, EX-2 and P-1.	--	--
	Collected soil gas sample in EX-2 after well was dewatered. Sampled liquids in additional wells (PB-2, -4 and -6) within reservoir.	--	--
8/10/98	Installation of monitoring probes NDP-1, NDP-2, NDP-3, NSP-1, NSP-2 and NSP-3.	--	--
8/11/98	Installation of monitoring probes SDP-1, SDP-2, SDP-3, SSP-1, SSP-2, SSP-3 and Extraction Wells EX-5 and EX-6.	--	--
8/12/98	Installation of Extraction Wells EX-3 and EX-4.	--	--
8/14/98	Sampled liquids in the northern pump test area (i.e., EX-3 and –4)	--	Extraction well EX-3 was dry.
8/17/98	Set transducers for pump test at north pump test area in (NDP-1, NDP-2, NDP-3).	--	--
8/18/98	Set pump in EX-4.	--	--
8/19/98	Initiated pump test at EX-4.	--	--
8/20/98	Sampled liquids at south pump test area (i.e., EX-5 and –6).	--	Extraction well EX-5 was dry.
09/01/98	Shut pump off at EX-4. Began recovery monitoring.	--	--
09/15/98	Initiated pump test at south pump test area in EX-6.	--	--
09/21/98	Shut pump off at EX-6. Began recovery monitoring.	--	--

-- Not applicable

TABLE 1

ACTIVITIES PERFORMED UNDER TM NO. 6, 8 AND 12
WASTE DISPOSAL, INC. SUPERFUND SITE
(Continued)

DATE	ACTIVITY	DEVIATIONS FROM TMs	COMMENTS
TM NO. 12			
10/1/98	Began purging EPA one-inch piezometers	--	--
10/6/98	Began abandoning EPA one-inch piezometers	--	--

94-256/Rpts/TM#6,8,12 (10/29/98/im)

-- Not applicable

TABLE 2

SUMMARY LIQUID LEVEL FIELD MONITORING PRIOR TO PUMP TEST WASTE DISPOSAL, INC. SUPERFUND SITE

WELL I.D.	DATE	DEPTH TO FREE PHASE (ft)	DEPTH TO AQUEOUS PHASE (ft)	FREE PHASE THICKNESS (ft)	CHANGE IN FREE PHASE THICKNESS (ft)
WDI-EX-1	12/16/97	ND	ND	ND	ND
	12/19/97	ND	23.24	ND	ND
	12/26/97	ND	23.21	ND	ND
	2/4/98	22.40	22.80	0.4	NM
	2/11/98	22.30	22.73	0.43	0.03
	2/19/98	22.32	22.70	0.42	0.01
	3/25/98	21.18	22.00	0.82	0.40
	5/4/98	NM	NM	NM	NM
	5/7/98	NM	NM	NM	NM
	5/12/98	NM	NM	NM	NM
	5/13/98	NM	NM	NM	NM
WDI-EX-2	12/16/97	ND	NM	ND	ND
	12/19/97	ND	NM	ND	ND
	12/26/97	ND	NM	ND	ND
	2/4/98	ND	NM	ND	ND
	2/11/98	ND	NM	ND	ND
	2/19/98	ND	NM	ND	ND
	3/25/98	ND	NM	ND	ND
	5/4/98	ND	NM	ND	ND
	5/7/98	ND	4.51	ND	ND
	5/12/98	ND	5.39	ND	ND
	5/13/98	ND	4.54	ND	ND
WDI-P-1	12/16/97	8.06	10.80	2.74	NM
	12/19/97	8.12	9.21	1.09	1.65
	12/26/97	8.10	9.31	1.21	0.12
	2/4/98	7.00	9.95	2.95	1.74
	2/11/98	9.87	13.10	3.23	0.28
	2/19/98	9.33	12.58	3.25	0.02
	3/25/98	8.86	11.89	3.03	0.22
	5/4/98	8.18	10.12	1.94	1.09
	5/7/98	7.80	8.32	0.52	1.42
	5/12/98	8.68	NM	NM	NM
	5/13/98	7.64	NM	NM	NM
WDI-P-2	12/16/97	5.70	6.10	0.40	NM
	12/19/97	5.38	6.50	1.12	0.72
	12/26/97	5.65	6.31	0.66	0.46
	2/4/98	3.45	5.45	2.00	1.34
	2/11/98	3.54	5.39	1.85	0.15
	2/19/98	3.33	4.46	1.13	0.72
	3/25/98	2.70	5.40	2.70	1.57
	5/4/98	2.75	4.05	1.30	1.40

ND = Not Detected
NM = Not Measured

TRC

TABLE 2

SUMMARY LIQUID LEVEL FIELD MONITORING PRIOR TO PUMP TEST WASTE DISPOSAL, INC. SUPERFUND SITE (Continued)

WELL I.D.	DATE	DEPTH TO FREE PHASE (ft)	DEPTH TO AQUEOUS PHASE (ft)	FREE PHASE THICKNESS (ft)	CHANGE IN FREE PHASE THICKNESS (ft)
WDI-P-2 (cont.)	5/7/98	2.82	4.52	1.70	0.40
	5/12/98	3.12	NM	NM	NM
	5/13/98	3.02	NM	NM	NM
WDI-P-3	12/16/97	5.10	10.85	5.75	NM
	12/19/97	4.72	10.11	5.39	0.36
	12/26/97	4.92	12.07	7.15	1.76
	2/4/98	2.50	9.71	7.21	0.06
	2/11/98	2.32	7.59	5.27	1.94
	2/19/98	1.94	7.55	5.61	0.34
	3/25/98	1.85	5.84	3.99	1.62
	5/4/98	3.12	4.15	1.03	2.96
	5/7/98	3.18	4.72	1.54	0.51
	5/12/98	3.12	NM	NM	NM
	5/13/98	2.73	NM	NM	NM
WDI-P-4	12/16/97	5.05	7.55	2.50	NM
	12/19/97	0.95	8.22	7.27	4.77
	12/26/97	4.80	9.34	4.54	2.73
	2/4/98	3.84	9.20	5.36	0.82
	2/11/98	3.42	9.27	5.85	0.49
	2/19/98	3.29	9.40	6.11	0.26
	3/25/98	4.24	9.24	5.00	1.11
	5/4/98	3.57	8.67	5.10	0.10
	5/7/98	2.39	8.88	6.49	1.39
	5/12/98	3.20	NM	NM	NM
	5/13/98	2.79	NM	NM	NM
WDI-VW-09	12/16/97	6.05	6.90	0.85	NM
	12/19/97	5.75	8.20	2.45	1.60
	12/26/97	6.00	6.72	0.72	1.73
	2/4/98	4.30	5.11	0.81	0.09
	2/11/98	4.32	5.09	0.77	0.04
	2/19/98	4.03	4.73	0.70	0.07
	3/25/98	3.60	4.40	0.80	0.10
	5/4/98	6.23	7.57	1.34	0.54
	5/7/98	3.81	4.86	1.05	0.29
	5/12/98	4.60	NM	NM	NM
	5/13/98	3.84	NM	NM	NM
WDI-EX-4	8/17/98	ND	12.65	NM	NM
	8/19/98	ND	17.58	NM	NM
WDI-NDP-1	8/17/98	ND	5.99	NM	NM
	8/19/98	ND	5.6	NM	NM
WDI-NDP-2	8/17/98	ND	4.81	NM	NM
	8/19/98	ND	4.8	NM	NM

ND = Not Detected
NM = Not Measured

TRC

TABLE 2

SUMMARY LIQUID LEVEL FIELD MONITORING PRIOR TO PUMP TEST WASTE DISPOSAL, INC. SUPERFUND SITE (Continued)

WELL I.D.	DATE	DEPTH TO FREE PHASE (ft)	DEPTH TO AQUEOUS PHASE (ft)	FREE PHASE THICKNESS (ft)	CHANGE IN FREE PHASE THICKNESS (ft)
WDI-NDP-3	8/17/98	4.29	NM	NM	NM
	8/19/98	4.21	NM	NM	NM
WDI-EX-6	8/19/98	4.88	9.06	4.18	NM
WDI-SDP-1	8/19/98	8.69	9.70	1.01	NM
	8/20/98	NM	22.0	NM	NM
WDI-SDP-2	8/19/98	8.81	9.28	0.47	NM
WDI-SDP-3	8/19/98	7.50	9.20	1.70	NM
	8/20/98	NM	20.9	NM	NM
WDI-SSP-1	8/19/98	ND	5.80	NM	NM
WDI-SSP-2	8/19/98	5.85	6.25	0.4	NM
WDI-SSP-3	8/19/98	ND	7.5	NM	NM

94-256 RPTS/InterimROF/TBLS&FIGS(10/29/98/im)

ND = Not Detected
NM = Not Measured

TABLE 3
SUMMARY OF TM NOS. 6 AND 8 DETECTED CHEMICAL DATA FOR EX-2 PUMP TESTS[1]
WASTE DISPOSAL, INC. SUPERFUND SITE

WELL NO. (Phase)	VOLATILE ORGANICS EPA METHOD 8260			SEMIVOLATILE ORGANICS EPA METHOD 8270			PESTICIDES/PCBs EPA METHOD 8081			METALS EPA METHOD[2]			OIL AND GREASE EPA METHOD 413.2 (mg/L)		TOTAL PETROLEUM HYDROCARBONS EPA METHOD 418.1 (mg/L)		SIMULATED DISTILLATION MODIFIED EPA 3550/8015	
	Constituent (mg/L)	5/11/98[3]	6/11/98[4]	Constituent (mg/L)	5/11/98[3]	6/11/98[4]	Constituent (mg/L)	5/11/98[3]	6/11/98[4]	Constituent (mg/L)	5/11/98[3]	6/11/98[4]	5/11/98[3]	6/11/98[4]	5/11/98[3]	6/11/98[4]	Carbon Range	%
EX-2 (Aqueous Phase)	Acetone	1.8	1.6	2-Methyl Phenol	0.23	<0.5	PCB-1248	<0.001	<0.050	Arsenic	0.097	0.12	93	45,000	85	44,000	NA	NA
	Benzene	1.5	0.84	4-Methyl Phenol	2.2	4.0	PCB-1254	<0.001	<0.050	Barium	0.29	0.22						
	Chloroform	ND	0.43	Phenol	1.8	3.0	PCB-1260	<0.001	<0.050	Cadmium	<0.025	<0.025						
	2-Butanone	6.6	7.9				Pesticides	ND	ND	Chromium	2.1	<0.025						
	Carbon Disulfide	0.62	<0.25							Lead	<0.025	<0.025						
	4-Methyl 2-Pentanone	11.0	13.0							Mercury	<0.006	<0.0002						
	Toluene	1.7	1.4							Nickel	1.5	0.60						
	Trichloroethene	1.0	0.63							Thallium	<0.025	<0.025						
	Vinyl chloride	0.89	0.51															
P-1 (Aqueous Phase)	Acetone	ND	0.15	2-Methylnaphthalene	47.0	1.5	PCB-1248	0.13	<0.002	Arsenic	0.15	0.16	280	3,900	280	3,700	NA	NA
	Benzene	1.6	1.1	Naphthalene	19.0	0.81	PCB-1254	<0.05	<0.002	Barium	0.56	0.50						
	2-Butanone	2.7	0.80	4-Methylphenol	ND	0.900	PCB-1260	0.42	<0.002	Cadmium	<0.025	<0.025						
	Chloroform	ND	0.079				Pesticides	ND	ND	Chromium	<0.025	<0.025						
	Ethylbenzene	0.29	0.22							Lead	0.065	0.11						
	4-Methyl 2-Pentanone	5.5	2.4							Mercury	<0.0006	<0.0002						
	Toluene	2.2	1.2							Nickel	0.098	0.095						
	Trans-1, 2-Dichlorethane	ND	0.048							Thallium	<0.025	<0.025						
	Trichloroethene	ND	0.040															
	Vinyl chloride	ND	0.470															
P-2 (Aqueous Phase)	Acetone	1.2	NA	2-Methylnaphthalene	1.7	NA	PCB-1248	<0.0025	NA	Arsenic	0.27	NA	280	NA	250	NA	NA	NA
	Benzene	0.64	NA	4-Methyl Phenol	6.7	NA	PCB-1254	<0.013	NA	Barium	0.17	NA						
	2-Butanone	3.3	NA	Naphthalene	1.2	NA	PCB-1260	0.0025	NA	Cadmium	<0.025	NA						
	4-Methyl 2-Pentanone	3.5	NA	Phenol	7.2	NA	Pesticides	ND	NA	Chromium	0.051	NA						
	Toluene	0.97	NA							Lead	0.040	NA						
	Vinyl chloride	3.0	NA							Mercury	<0.0006	NA						
	Trichloroethane	0.40	NA							Nickel	0.32	NA						
										Thallium	<0.025	NA						
P-3 (Aqueous Phase)	Benzene	0.32	NA	2-Methylnaphthalene	3.9	NA	PCB-1248	0.052	NA	Arsenic	0.16	NA	240	NA	230	NA	NA	NA
	Ethylbenzene	0.41	NA	Naphthalene	1.6	NA	PCB-1254	<0.0025	NA	Barium	4.5	NA						
	Toluene	0.23	NA	Phenol	1.1	NA	PCB-1260	0.580	NA	Cadmium	<0.025	NA						
							Pesticides	ND	NA	Chromium	0.96	NA						
										Lead	2.1	NA						
										Mercury	0.0011	NA						
										Nickel	0.29	NA						
										Thallium	<0.025	NA						

(1) Data presented is considered preliminary and subject to change on receipt of final laboratory reports. Values presented are for selected key constituents and those with detected values.
(2) Various EPA methods are used for the metals analysis.
(3) Pre-Pump Test Analytical Results.
(4) Post-Pump Test Analytical Results. Samples were collected from wells that indicated an influence from EX-2.
(5) Laboratory indicated actual level was approximately 8 ppm of PCB-1248.
(6) Laboratory indicated actual level was approximately 48 ppm of PCB-1260.
NA = Not Analyzed.
ND = Not Detected.

TABLE 3
SUMMARY OF TM NOS. 6 AND 8 DETECTED CHEMICAL DATA FOR EX-2 PUMP TESTS[1]
WASTE DISPOSAL, INC. SUPERFUND SITE
(Continued)

WELL NO (Phase)	VOLATILE ORGANICS EPA METHOD 8260			SEMIVOLATILE ORGANICS EPA METHOD 8270			PESTICIDES/PCBS EPA METHOD 8081			METALS EPA METHOD[2]			OIL AND GREASE EPA METHOD 413.2 (mg/L)		TOTAL PETROLEUM HYDROCARBONS EPA METHOD 418.1 (mg/L)		SIMULATED DISTILLATION MODIFIED EPA 3550/8015		
	Constituent (mg/L)	5/11/98[3]	6/11/98[4]	Constituent (mg/L)	5/11/98[3]	6/11/98[4]	Constituent (mg/L)	5/11/98[3]	6/11/98[4]	Constituent (mg/L)	5/11/98[3]	6/11/98[4]	5/11/98[3]	6/11/98[4]	5/11/98[3]	6/11/98[4]	Carbon Range	% 5/11/98[3]	% 6/11/98[4]
P-4 (Aqueous Phase)	Acetone	1.5	NA	2-Methylnaphthalene	180	NA	PCB-1248	<0.025	NA	Arsenic	0.25	NA	300	NA	290	NA	NA	NA	NA
	Benzene	0.92	NA	Naphthalene	89	NA	PCB-1254	<0.025	NA	Barium	0.55	NA							
	2-Butanone	5.3	NA				PCB-1260	0.047	NA	Cadmium	<0.025	NA							
	Ethylbenzene	0.24	NA				Pesticides	ND	NA	Chromium	<0.025	NA							
	4-Methyl 2-Pentanone	6.2	NA							Lead	<0.025	NA							
	Toluene	1.3	NA							Mercury	<0.0006	NA							
	Vinyl chloride	0.84	NA							Nickel	0.11	NA							
										Thallium	<0.025	NA							
VW-9 (Aqueous Phase)	Acetone	ND	1.6	2-Methylnaphthalene	62	38.0	PCB-1248	0.250	<0.100	Arsenic	0.17	0.13	500	350	430	340	NA	NA	NA
	Benzene	1.7	0.75	Naphthalene	32	<20	PCB-1254	<0.050	<0.100	Barium	0.97	0.39							
	2-Butanone	12.0	8.0				PCB-1260	0.510	<0.100	Cadmium	0.050	<0.025							
	Chloroform	ND	0.40							Chromium	0.074	<0.025							
	Ethylbenzene	2.4	<0.100							Lead	0.72	<0.025							
	4-Methyl 2 Pentanone	4.2	9.1							Mercury	<0.003	<0.0002							
	Toluene	4.3	0.95							Nickel	0.27	0.35							
	Vinyl chloride	0.50	0.42							Thallium	<0.050	<0.025							
P-1 (Free Product)	Benzene	220	110	2-Methylnaphthalene	2,000	2,300	PCB-1248	<5.0	<0.020	Arsenic	<2.0	<2.0	NA	NA	NA	NA	C8 – C13	30.2	28.1
	Ethylbenzene	500	300	Naphthalene	810	<850	PCB-1254	<5.0	<0.020	Barium	1.5	2.3					C14 – C19	33.9	33.4
	Toluene	1,400	760				PCB-1260	14	<0.020	Cadmium	<0.50	<0.50					C20 – C27	21.9	24.6
	Tetrachloroethene	ND	110				Pesticides	ND	ND	Chromium	<1.0	<1.0					C28 – C40	14.0	13.5
	Trichloroethene	ND	70							Lead	<2.0	2.2							
										Mercury	<0.020	<0.020							
										Nickel	2.5	1.7							
										Thallium	<10	<10							
P-2 (Free Product)	Toluene	370	NA	2-Methylnaphthalene	1,700	NA	PCB-1248	<5.0	NA	Arsenic	NA	NA	NA	NA	NA	NA	C8 – C13	37	NA
							PCB-1254	<5.0	NA	Barium	NA	NA					C14 – C19	32.7	NA
							PCB-1260	7.4	NA	Cadmium	NA	NA					C20 – C27	20	NA
							Pesticides	ND	NA	Chromium	NA	NA					C28 – C40	10	NA
										Lead	NA	NA							
										Mercury	NA	NA							
										Nickel	NA	NA							
										Thallium	NA	NA							

(1) Data presented is considered preliminary and subject to change on receipt of final laboratory reports. Values presented are for selected key constituents and those with detected values.
(2) Various EPA methods are used for the metals analysis.
(3) Pre-Pump Test Analytical Results.
(4) Post-Pump Test Analytical Results. Samples were collected from wells that indicated an influence from EX-2.
(5) Laboratory indicated actual level was approximately 8 ppm of PCB-1248.
(6) Laboratory indicated actual level was approximately 48 ppm of PCB-1260.
NA = Not Analyzed.
ND = Not Detected.

TABLE 3
SUMMARY OF TM NOS. 6 AND 8 DETECTED CHEMICAL DATA FOR EX-2 PUMP TESTS[1]
WASTE DISPOSAL, INC. SUPERFUND SITE
(Continued)

WELL NO. (Phase)	VOLATILE ORGANICS EPA METHOD 8260			SEMIVOLATILE ORGANICS EPA METHOD 8270			PESTICIDES/PCBS EPA METHOD 8081			METALS EPA METHOD[2]			OIL AND GREASE EPA METHOD 413.2 (mg/L)		TOTAL PETROLEUM HYDROCARBONS EPA METHOD 418.1 (mg/L)		SIMULATED DISTILLATION MODIFIED EPA 3550/8015		
	Constituent (mg/L)	5/11/98[3]	6/11/98[4]	Constituent (mg/L)	5/11/98[3]	6/11/98[4]	Constituent (mg/L)	5/11/98[3]	6/11/98[4]	Constituent (mg/L)	5/11/98[3]	6/11/98[4]	5/11/98[3]	6/11/98[4]	5/11/98[3]	6/11/98[4]	Carbon Range	% 5/11/98[3]	% 6/11/98[4]
P-3 (Free Product)	Benzene	<200	NA	2-Methylnaphthalene	2,100	NA	PCB-1248	<100[5]	NA	Arsenic	NA	NA	NA	NA	NA	NA	C8 – C13	24.5	NA
	Ethylbenzene	<200	NA	Anthracene	500	NA	PCB-1254	<100	NA	Barium	NA	NA					C14 – C19	36	NA
	Toluene	<200	NA	Phenanthrene	610	NA	PCB-1260	<100[6]	NA	Cadmium	NA	NA					C20 – C27	26	NA
							Pesticides	<10	NA	Chromium	NA	NA					C28 – C40	13.5	NA
										Lead	NA	NA							
										Mercury	NA	NA							
										Nickel	NA	NA							
										Thallium	NA	NA							
P-4 (Free Product)	Ethylbenzene	460	NA	2-Methylnaphthalene	1,700	NA	PCB-1248	<5.0	NA	Arsenic	<2.0	NA	NA	NA	NA	NA	C8 – C13	37.9	NA
	Toluene	890	NA	Naphthalene	840	NA	PCB-1254	<5.0	NA	Barium	<1.0	NA					C14 – C19	32.2	NA
							PCB-1260	<5.0	NA	Cadmium	<0.5	NA					C20 – C27	20.1	NA
							Pesticides	ND	NA	Chromium	<1.0	NA					C28 – C40	10.2	NA
										Lead	<2.0	NA							
										Mercury	<0.02	NA							
										Nickel	1.4	NA							
										Thallium	<10	NA							
VW-9 (Free Product)	Benzene	ND	90	Naphthalene	930	860	PCB-1254	<2.5	<0.200	Arsenic	<2.0	<2.0							
	Ethylbenzene	ND	200				PCB-1260	0.580	<0.200	Barium	2.0	2.9							
	Tetrachloroethene	ND	14	2-Methylnaphthalene	1,800	2,200	PCB-1248	0.052	<0.200	Cadmium	<0.50	<0.50							
	Toluene	220	390							Chromium	<1.0	4.0							
	Trichloroethene	ND	18							Lead	<2.0	3.2							
										Mercury	<0.020	<0.020							
										Nickel	1.8	4.4							
										Thallium	<10	<10							

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(2) Various EPA methods are used for the metals analysis.
(3) Pre-Pump Test Analytical Results.
(4) Post-Pump Test Analytical Results. Samples were collected from wells that indicated an influence from EX-2.
(5) Laboratory indicated actual level was approximately 8 ppm of PCB-1248.
(6) Laboratory indicated actual level was approximately 48 ppm of PCB-1260.
NA = Not Analyzed.
ND = Not Detected.

TABLE 3
SUMMARY OF TM NOS. 6 AND 8 DETECTED CHEMICAL DATA FOR EX-2 PUMP TESTS[1]
WASTE DISPOSAL, INC. SUPERFUND SITE
(Continued)

ADDITIONAL WELLS IN RESERVOIR (Phase)	VOLATILE ORGANICS EPA METHOD 8260			SEMIVOLATILE ORGANICS EPA METHOD 8270			PESTICIDES/PCBs EPA METHOD 8081			METALS EPA METHOD[2]			OIL AND GREASE EPA METHOD 413.2 (mg/L)		TOTAL PETROLEUM HYDROCARBONS EPA METHOD 418.1 (mg/L)		SIMULATED DISTILLATION MODIFIED EPA 3550/8015		
	Constituent (mg/L)	5/11/98[3]	6/11/98[4]	Constituent (mg/L)	5/11/98[3]	6/11/98[4]	Constituent (mg/L)	5/11/98[3]	6/11/98[4]	Constituent (mg/L)	5/11/98[3]	6/11/98[4]	5/11/98[3]	6/11/98[4]	5/11/98[3]	6/11/98[4]	Carbon Range	% 5/11/98[3]	% 6/11/98[4]
PB-2 (Aqueous Phase)	Benzene	NA	0.24	2-Methylphenol	NA	9.4	PCB-1248	NA	<0.10	Arsenic	NA	0.048	NA	NA	NA	NA	NA	NA	NA
	2-Butanone	NA	0.064	Naphthalene	NA	5.1	PCB-1254	NA	<0.10	Barium	NA	0.83							
	Ethylbenzene	NA	0.230				PCB-1260	NA	<0.10	Cadmium	NA	<0.050							
	Toluene	NA	0.110							Chromium	NA	0.033							
										Lead	NA	0.20							
										Mercury	NA	<0.0002							
										Nickel	NA	0.065							
										Thallium	NA	<0.025							
PB-4 (Aqueous Phase)	Benzene	NA	0.079				PCB-1248	NA	<1.0	Arsenic	NA	0.030	NA	NA	NA	NA	NA	NA	NA
	Ethylbenzene	NA	0.0023				PCB-1254	NA	<1.0	Barium	NA	0.080							
	Vinyl Chloride	NA	0.045				PCB-1260	NA	<1.0	Cadmium	NA	<0.025							
										Chromium	NA	<0.025							
										Lead	NA	0.039							
										Mercury	NA	<0.0002							
										Nickel	NA	<0.050							
										Thallium	NA	<0.025							
PB-6 (Aqueous Phase)	Benzene	NA	0.017				PCB-1248	NA	<0.100	Arsenic	NA	0.077	NA	NA	NA	NA	NA	NA	NA
	Ethylbenzene	NA	0.0097				PCB-1254	NA	<0.100	Barium	NA	0.15							
	trans-1,2-Dichloroethene	NA	0.0021				PCB-1260	NA	<0.100	Cadmium	NA	<0.025							
	Toluene	NA	0.0025							Chromium	NA	<0.025							
	Vinyl Chloride	NA	0.035							Lead	NA	<0.025							
										Mercury	NA	<0.0002							
										Nickel	NA	<0.050							
										Thallium	NA	<0.025							
PB-2 (Free Product)	Benzene	NA	19	2-Methylnaphthalene	NA	1,300	PCB-1248	NA	<0.20	Arsenic	NA	<2.0	NA	NA	NA	NA	C8 – C13	NA	25.9
	Ethylbenzene	NA	130				PCB-1254	NA	<0.20	Barium	NA	<1.0					C14 – C19	NA	28.4
	Toluene	NA	63				PCB-1260	NA	<0.20	Cadmium	NA	<0.50					C20 – C27	NA	26.8
										Chromium	NA	<1.0					C28 – C40	NA	18.6
										Lead	NA	<2.0							
										Mercury	NA	<0.020							
										Nickel	NA	<1.0							
										Thallium	NA	<10							

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(2) Various EPA methods are used for the metals analysis.
(3) Pre-Pump Test Analytical Results.
(4) Post-Pump Test Analytical Results. Samples were collected from wells that indicated an influence from EX-2.
(5) Laboratory indicated actual level was approximately 8 ppm of PCB-1248.
(6) Laboratory indicated actual level was approximately 48 ppm of PCB-1260.
NA = Not Analyzed.
ND = Not Detected.

TABLE 3A

SUMMARY OF TM NO. 6 DETECTED CHEMICAL DATA
EX-4 AND EX-6 PREPUMP TEST[1]
WASTE DISPOSAL, INC. SUPERFUND SITE

WELL NO. (Phase)	VOLATILE ORGANICS EPA METHOD 8260		SEMIVOLATILE ORGANICS EPA METHOD 8270		PESTICIDES/PCBs EPA METHOD 8081		METALS EPA METHOD[2]		OIL AND GREASE EPA METHOD 413.2 (mg/L)	TOTAL PETROLEUM HYDROCARBONS EPA METHOD 418.1 (mg/L)	SIMULATED DISTILLATION MODIFIED EPA 3550/8015	
	Constituent (mg/L)	8/14/98[3]	Constituent (mg/L)	8/14/98[3]	Constituent (mg/L)	8/14/98[3]	Constituent (mg/L)	8/14/98[3]	8/14/98[3]	8/14/98[3]	Carbon Range	%
EX-4 (aqueous phase)	Acetone	<0.025	2-Methyl Phenol	0.13	PCB-1248	<0.001	Arsenic	0.055	84	74	NA	NA
	Benzene	0.56	4-Methyl Phenol	0.33	PCB-1254	<0.001	Barium	<0.050				
	Chloroform	<0.005	Phenol	0.29	PCB-1260	<0.001	Cadmium	<0.025				
	2-Butanone	0.096	2-Methylnaphthalene	0.11	Pesticides	ND	Chromium	<0.025				
	Carbon Disulfide	<0.013	Naphthalene	0.22			Lead	<0.025				
	4-Methyl 2-Pentanone	0.11					Mercury	<0.0006				
	Toluene	0.44					Nickel	<0.050				
	Trichloroethene	0.0059					Thallium	0.048				
	Vinyl Chloride	0.24										
NSP-1 (aqueous phase)	Acetone	0.27	2-Methylnaphthalene	0.46	PCB-1248	<0.0012	Arsenic	0.098	200	130	NA	NA
	Benzene	0.44	Naphthalene	0.45	PCB-1254	<0.0012	Barium	1.0				
	2-Butanone	<0.05	Phenanthrene	0.12	PCB-1260	<0.0012	Cadmium	<0.025				
	Chloroform	<0.01	Pyrene	0.059	Pesticides	ND	Chromium	0.73				
	Ethylbenzene	0.14					Lead	1.3				
	4-Methyl 2-Pentanone	0.047					Mercury	<0.0006				
	Toluene	0.23					Nickel	<0.050				
	Trichloroethene	<0.01					Thallium	<0.025				
	Vinyl Chloride	0.054										
NSP-2 (aqueous phase)	Acetone	<0.025	2-Methylnaphthalene	0.055	PCB-1248	<0.001	Arsenic	<0.025	36	32	NA	NA
	Benzene	0.14	4-Methyl Phenol	0.029	PCB-1254	<0.001	Barium	0.10				
	2-Butanone	<0.025	Naphthalene	0.080	PCB-1260	<0.001	Cadmium	<0.025				
	Ethylbenzene	0.021	Phenol	0.037	Pesticides	ND	Chromium	<0.025				
	4-Methyl 2-Pentanone	0.084					Lead	0.029				
	Toluene	<0.013					Mercury	<0.0006				
	Trichloroethene	<0.005					Nickel	<0.050				
	Vinyl Chloride	0.045					Thallium	<0.025				
NSP-3 (aqueous phase)	Acetone	0.75	2-Methylnaphthalene	0.3	PCB-1248	0.012	Arsenic	0.033	190	150	NA	NA
	Benzene	0.46	4-Methyl Phenol	0.37	PCB-1254	<0.002	Barium	0.53				
	2-Butanone	0.28	Naphthalene	0.17	PCB-1260	<0.005	Cadmium	<0.025				
	trans-1,2-Dichloroethene	0.0061	Phenanthrene	0.055	Pesticides	ND	Chromium	<0.033				
	Ethylbenzene	0.097	Phenol	0.46			Lead	0.23				
	4-Methyl 2-Pentanone	0.16					Mercury	<0.0006				
	Tetrachloroethene	0.0067					Nickel	<0.050				
	Trichloroethene	0.019					Thallium	<0.025				
	Vinyl Chloride	0.42										
	Toluene	0.54										

(1) Data presented is considered preliminary and subject to change on receipt of final laboratory reports.
Values presented are for selected key constituents and those with detected values.
(2) Various EPA methods are used for the metals analysis.
(3) Prepump Test Analysis Results.
NA = Not Analyzed
ND = Not Detected

TRC

TABLE 3A

SUMMARY OF TM NO. 6 DETECTED CHEMICAL DATA
EX-4 AND EX-6 PREPUMP TEST[1]
WASTE DISPOSAL, INC. SUPERFUND SITE
(Continued)

WELL NO. (Phase)	VOLATILE ORGANICS EPA METHOD 8260		SEMIVOLATILE ORGANICS EPA METHOD 8270		PESTICIDES/PCBs EPA METHOD 8081		METALS EPA METHOD[2]		OIL AND GREASE EPA METHOD 413.2 (mg/L)	TOTAL PETROLEUM HYDROCARBONS EPA METHOD 418.1 (mg/L)	SIMULATED DISTILLATION MODIFIED EPA 3550/8015	
	Constituent (mg/L)	8/14/98[3]	Constituent (mg/L)	8/14/98[3]	Constituent (mg/L)	8/14/98[3]	Constituent (mg/L)	8/14/98[3]	8/14/98[3]	8/14/98[3]	Carbon Range	%
NDP-1 (aqueous phase)	Acetone	0.19	2-Methylnaphthalene	0.09	PCB-1248	<0.001	Arsenic	<0.025	61	49	NA	NA
	Benzene	0.45	4-Methyl Phenol	0.068	PCB-1254	<0.001	Barium	0.061				
	Chloroform	<0.005	Naphthalene	0.23	PCB-1260	<0.001	Cadmium	<0.025				
	2-Butanone	0.033	Phenol	0.095	Pesticides	ND	Chromium	<0.025				
	Carbon Disulfide	<0.013					Lead	<0.025				
	Ethylbenzene	0.083					Mercury	<0.0006				
	4-Methyl 2-Pentanone	0.061					Nickel	<0.050				
	Toluene	0.16					Thallium	<0.025				
	Trichloroethene	<0.005										
	Vinyl Chloride	0.049										
NDP-2 (aqueous phase)	Acetone	0.66	2-Methylnaphthalene	0.11	PCB-1248	<0.001	Arsenic	0.12	85	70	NA	NA
	Benzene	0.64	4-Methyl Phenol	0.27	PCB-1254	<0.001	Barium	<0.05				
	2-Butanone	0.063	Naphthalene	0.28	PCB-1260	<0.001	Cadmium	<0.025				
	Chloroform	<0.005	Phenol	0.70	Pesticides	ND	Chromium	<0.025				
	Ethylbenzene	0.13					Lead	<0.025				
	4-Methyl 2-Pentanone	0.099					Mercury	<0.0006				
	Toluene	0.44					Nickel	<0.05				
	Trichloroethene	<0.005					Thallium	<0.025				
	Vinyl Chloride	0.16										
NDP-3 (aqueous phase)	Acetone	0.31	2-Methylnaphthalene	0.38	PCB-1248	0.68	Arsenic	<0.025	3,100	2,800	NA	NA
	Benzene	0.48	2-Methyl Phenol	0.05	PCB-1254	<0.13	Barium	0.089				
	2-Butanone	0.14	4-Methyl Phenol	0.40	PCB-1260	2.1	Cadmium	<0.025				
	4-Methyl 2-Pentanone	0.14	Naphthalene	0.22	Pesticides	ND	Chromium	<0.025				
	Toluene	0.49	Phenanthrene	0.07			Lead	0.067				
	Trichloroethene	0.44	Phenol	0.29			Mercury	<0.0006				
	Vinyl Chloride	0.008					Nickel	<0.05				
	trans-1,2-Dichloroethene	0.0078					Thallium	<0.025				
NDP-3 (free product)	Benzene	<100	2-Methylnaphthalene	110	PCB-1248	0.084	Arsenic	2.2			C8 - C13	20
	Ethylbenzene	180	Naphthalene	310	PCB-1254	<0.05	Barium	99			C14 - C19	28.7
	Toluene	360	Phenanthrene	76	PCB-1260	0.29	Cadmium	<0.5			C20 - C27	25.4
					Pesticides	ND	Chromium	23			C28 - C40	25.7
							Lead	49				
							Mercury	<0.020				
							Nickel	14				
							Thallium	<10				

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Values presented are for selected key constituents and those with detected values.
(2) Various EPA methods are used for the metals analysis.
(3) Prepump Test Analysis Results.
NA = Not Analyzed
ND = Not Detected

TRC

TABLE 3A

SUMMARY OF TM NO. 6 DETECTED CHEMICAL DATA[1]
EX-4 AND EX-6 PREPUMP TEST
WASTE DISPOSAL, INC. SUPERFUND SITE
(Continued)

WELL NO. (Phase)	VOLATILE ORGANICS EPA METHOD 8260		SEMIVOLATILE ORGANICS EPA METHOD 8270		PESTICIDES/PCBs EPA METHOD 8081		METALS EPA METHOD[2]		OIL AND GREASE EPA METHOD 413.2 (mg/L)	TOTAL PETROLEUM HYDROCARBONS EPA METHOD 418.1 (mg/L)	SIMULATED DISTILLATION MODIFIED EPA 3550/8015	
	Constituent (mg/L)	8/20/98[3]	Constituent (mg/L)	8/20/98[3]	Constituent (mg/L)	8/20/98[3]	Constituent (mg/L)	8/20/98[3]	8/20/98[3]	8/20/98[3]	Carbon Range	%
EX-6 (aqueous phase)	Acetone	0.74	Anthracene	0.67	PCB-1248	0.31	Arsenic	0.0076	1,900	1,800	NA	NA
	Benzene	0.69	2-Methylnaphthalene	2.1	PCB-1254	<0.05	Barium	0.034				
	2-Butanone	2.4	2-Methyl Phenol	0.67	PCB-1260	0.33	Cadmium	<0.005				
	Ethylbenzene	0.36	4-Methyl Phenol	6.6	Pesticides	ND	Chromium	<0.005				
	4-Methyl 2-Pentanone	2.0	Naphthalene	0.7			Lead	<0.005				
	Tetrachloroethene	0.21	Phenanthrene	0.58			Mercury	<0.0002				
	Toluene	0.47	Phenol	3.8			Nickel	0.029				
	Trichloroethene	0.16					Thallium	<0.005				
	Vinyl Chloride	0.59										
SDP-3 (aqueous phase)	Benzene	1.1	2-Methylnaphthalene	1.6	PCB-1248	<0.0091	Arsenic	NA	2,400	2,300	NA	NA
	2-Butanone	<0.05	2-Methyl Phenol	2.0	PCB-1254	<0.001	Barium	NA				
	Ethylbenzene	0.22	4-Methylphenol	3.5	PCB-1260	0.0016	Cadmium	NA				
	4-Methyl 2-Pentanone	0.15	Naphthalene	1.0	Pesticides	ND	Chromium	NA				
	Toluene	1.1	Phenol	2.9			Lead	NA				
	Trichloroethene	<0.01					Mercury	NA				
	Vinyl Chloride	0.036					Nickel	NA				
							Thallium	NA				
SDP-2 (aqueous phase)	Benzene	0.21	2-Methylnaphthalene	0.34	PCB-1248	0.031	Arsenic	0.0069	1,200	1,100	NA	NA
	2-Butanone	0.11			PCB-1254	<0.005	Barium	0.074				
	Ethylbenzene	0.063			PCB-1260	0.035	Cadmium	<0.005				
	4-Methyl 2-Pentanone	0.062			Pesticides	ND	Chromium	<0.005				
	Toluene	0.36					Lead	<0.005				
	Vinyl Chloride	0.12					Mercury	<0.0002				
	Trichloroethene	0.05					Nickel	<0.010				
	Tetrachloroethene	0.018					Thallium	0.0057				
SSP-1 (aqueous phase)	Acetone	0.4	2-Methylnaphthalene	0.74	PCB-1248	0.032	Arsenic	<0.005	400	380	NA	NA
	Benzene	0.44	Naphthalene	0.32	PCB-1254	<0.01	Barium	0.13				
	Ethylbenzene	0.049			PCB-1260	0.082	Cadmium	<0.005				
	4-Methyl 2-Pentanone	<0.013			Pesticides	ND	Chromium	0.0057				
	Toluene	0.22					Lead	0.018				
	Trichloroethene	<0.005					Mercury	<0.0002				
	Vinyl Chloride	0.071					Nickel	<0.01				
							Thallium	<0.005				

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(2) Various EPA methods are used for the metals analysis.
(3) Prepump Test Analysis Results.
NA = Not Analyzed
ND = Not Detected

TRC

TABLE 3A

SUMMARY OF TM NO. 6 DETECTED CHEMICAL DATA
EX-4 AND EX-6 PREPUMP TEST[1]
WASTE DISPOSAL, INC. SUPERFUND SITE
(Continued)

WELL NO. (Phase)	VOLATILE ORGANICS EPA METHOD 8260		SEMIVOLATILE ORGANICS EPA METHOD 8270		PESTICIDES/PCBs EPA METHOD 8081		METALS EPA METHOD[2]		OIL AND GREASE EPA METHOD 413.2 (mg/L)	TOTAL PETROLEUM HYDROCARBONS EPA METHOD 418.1 (mg/L)	SIMULATED DISTILLATION MODIFIED EPA 3550/8015	
	Constituent (mg/L)	8/20/98[3]	Constituent (mg/L)	8/20/98[3]	Constituent (mg/L)	8/20/98[3]	Constituent (mg/L)	8/20/98[3]	8/20/98[3]	8/20/98[3]	Carbon Range	%
SSP-2 (aqueous phase)	Acetone	0.20	2-Methylnaphthalene	0.94	PCB-1248	0.047	Arsenic	0.011	140	130	NA	NA
	Benzene	0.21			PCB-1254	<0.02	Barium	0.031				
	Ethylbenzene	0.23			PCB-1260	0.042	Cadmium	<0.005				
	4-Methyl 2-Pentanone	<0.013			Pesticides	ND	Chromium	0.016				
	Toluene	0.0084					Lead	0.027				
	Trichloroethene	<0.005					Mercury	<0.002				
	Vinyl Chloride	0.039					Nickel	<0.01				
							Thallium	<0.005				
SSP-3 (aqueous phase)	Acetone	0.8	4-Methyl Phenol	0.086	PCB-1248	<0.001	Arsenic	<0.005	19	17	NA	NA
	Benzene	0.33	Phenol	0.15	PCB-1254	<0.001	Barium	0.26				
	2-Butanone	0.42			PCB-1260	<0.001	Cadmium	<0.005				
	Ethylbenzene	0.051			Pesticides	ND	Chromium	0.0096				
	Tetrachloroethene	0.0063					Lead	0.013				
	4-Methyl 2-Pentanone	0.23					Mercury	<0.0002				
	Toluene	0.45					Nickel	<0.01				
	Vinyl Chloride	0.23					Thallium	<0.005				
	Trichloroethane	0.033										
EX-6 (free product)	Benzene	<100	2-Methylnaphthalene	1,600	PCB-1248	170	Arsenic	2.9	NA	NA	C8 - C13	24.7
	Ethylbenzene	590			PCB-1254	<130	Barium	39			C14 - C19	38.9
	Toluene	140			PCB-1260	170	Cadmium	<0.5			C20 - C27	26.0
					Pesticides	ND	Chromium	56			C28 - C40	10.0
							Lead	12				
							Mercury	<0.02				
							Nickel	23				
							Thallium	<10				
SDP-3 (free product)	Benzene	240	2-Methylnaphthalene	1,600	PCB-1248	<5.0	Arsenic	<2.0	NA	NA	C8 - C13	34.8
	Ethylbenzene	<100	Naphthalene	860	PCB-1254	<5.0	Barium	28			C14 - C19	34.0
	Toluene	1,400			PCB-1260	5.6	Cadmium	<0.5			C20 - C27	23.0
					Pesticides	ND	Chromium	<1.0			C28 - C40	8.83
							Lead	<2.0				
							Mercury	<0.02				
							Nickel	15				
							Thallium	<10				

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Values presented are for selected key constituents and those with detected values.
(2) Various EPA methods are used for the metals analysis.
(3) Prepump Test Analysis Results.
NA = Not Analyzed
ND = Not Detected

TRC

TABLE 3A

SUMMARY OF TM NO. 6 DETECTED CHEMICAL DATA
EX-4 AND EX-6 PREPUMP TEST[1]
WASTE DISPOSAL, INC. SUPERFUND SITE
(Continued)

WELL NO. (Phase)	VOLATILE ORGANICS EPA METHOD 8260		SEMIVOLATILE ORGANICS EPA METHOD 8270		PESTICIDES/PCBs EPA METHOD 8081		METALS EPA METHOD[2]		OIL AND GREASE EPA METHOD 413.2 (mg/L)	TOTAL PETROLEUM HYDROCARBONS EPA METHOD 418.1 (mg/L)	SIMULATED DISTILLATION MODIFIED EPA 3550/8015	
	Constituent (mg/L)	8/20/98[3]	Constituent (mg/L)	8/20/98[3]	Constituent (mg/L)	8/20/98[3]	Constituent (mg/L)	8/20/98[3]	8/20/98[3]	8/20/98[3]	Carbon Range	%
SDP-1 (free product)	Benzene	130	2-Methylnaphthalene	910	PCB-1248	100	Arsenic	<2.0	NA	NA	C8 - C13	25.5
	Ethylbenzene	<100			PCB-1254	<100	Barium	18			C14 - C19	26.6
	Tetrachloroethene	200			PCB-1260	350	Cadmium	<0.5			C20 - C27	26.8
	Toluene	1,800			Pesticides	ND	Chromium	18			C28 - C40	11.11
							Lead	10				
							Mercury	<0.02				
							Nickel	14				
							Thallium	<10				

94-256/Rpt/IntROF/Tbls&Fig (11/2/98/ks)

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(2) Various EPA methods are used for the metals analysis.
(3) Prepump Test Analysis Results.
NA = Not Analyzed
ND = Not Detected

TRC

TABLE 4

ADDITIONAL CHEMICAL DATA FOR EX-2, -4 and -6 PUMP TESTS
WASTE DISPOSAL, INC. SUPERFUND SITE

WELL NO.	MICROBIOLOGICAL TESTING						CHEMICAL ANALYSES			
	Anaerobic Bacterial (MPN/L)		Plate Count (CFU/ML)		Species		BTU Value/lb.		Sulfur Content (%)	
	5/11/98(1)	6/11/98(2)	5/11/98(1)	6/11/98(2)	5/11/98(1)	6/11/98(2)	5/11/98(1)	6/11/98(2)	5/11/98(1)	6/11/98(2)
WDI-EX-2 (aqueous phase)	15	430	10	10	Alcaligenes/ Pseudomonas	Alcaligenes/ Pseudomonas	<175	NA	0.049	0.036
WDI-P-1 (aqueous phase)	930,000	930,000	650,000	55,000	Pseudomonas	Alcaligenes/ Pseudomonas	344	NA	0.269	0.750
WDI-P-2 (aqueous phase)	23	NA	60	NA	Alcaligenes/ Pseudomonas	NA	310	NA	0.726	NA
WDI-P-3 (aqueous phase)	430,000	NA	130,000	NA	Pseudomonas	NA	15,980	NA	0.796	NA
WDI-P-4 (aqueous phase)	7,500	NA	23,000	NA	Aeromonas	NA	613	NA	0.655	NA
WDI-VW-9 (aqueous phase)	93,000	75,000	90,000	9,500	Alcaligenes/ Pseudomonas	Alcaligenes/ Pseudomonas	1,160	NA	0.755	0.690
WDI-P-1 (free product)	NA	NA	NA	NA	NA	NA	6,674	9,957	0.836	0.779
WDI-P-2 (free product)	NA	NA	NA	NA	NA	NA	8,750	NA	0.667	NA
WDI-P-3 (free product)	NA	NA	NA	NA	NA	NA	19,166	NA	0.868	NA
WDI-P-4 (free product)	NA	NA	NA	NA	NA	NA	18,921	NA	0.723	NA
WDI-VW-9 (free product)	NA	93,000	NA	80,000	NA	Alcaligenes/ Pseudomonas	18,282	4,186	0.865	0.577

(1) Prepump Test Analytical Data.
(2) Postpump Test Analytical Data. Wells that indicated influence from EX-2 pumping.
NA = Not analyzed

TRC

TABLE 4

ADDITIONAL CHEMICAL DATA FOR EX-2, -4 and -6 PUMP TESTS
WASTE DISPOSAL, INC. SUPERFUND SITE
(Continued)

WELL NO.	MICROBIOLOGICAL TESTING			CHEMICAL ANALYSES	
	Anaerobic Bacterial (MPN/L)	Plate Count (CFU/ML)	Species	BTU Value/lb.	Sulfur Content (%)
	8/14/98(1)	8/14/98(1)	8/14/98(1)	8/14/98(1)	8/14/98(1)
WDI-EX-4 (aqueous phase)	75	40	Pseudomonas/ Alcaligenes or putida	NA	NA
WDI-NSP-1 (aqueous phase)	930,000	80,000	Pseudomonas Spp (nol aeruginosa)	NA	NA
WDI-NSP-2 (aqueous phase)	930,000	60,000	Pseudomonas aeruginosa or putida	NA	NA
WDI-NSP-3 (aqueous phase)	930,000	210,000	Pseudomonas aeruginosa or putida	NA	NA
WDI-NDP-1 (aqueous phase)	930,000	45,000	Pseudomonas aeruginosa or putida	NA	NA
WDI-NDP-2 (aqueous phase)	1,500	1,300	Pseudomonas Spp (nol aeruginosa)	NA	NA
WDI-NDP-3 (aqueous phase)	2,400,000	2,900,000	Aeromonas hydrophila	NA	NA
WDI-NDP-3 (free product)	NA	NA	NA	18,928	0.870

94-256 RPTS/InterimROF (10/30/98/mc)

(1) Prepump Test Analytical Data.
NA = Not analyzed

TRC

TABLE 5

LIQUIDS LEVELS IN EPA PIEZOMETERS
TM NO. 12 ACTIVITIES
WASTE DISPOSAL, INC. SUPERFUND SITE

WELL ID	DATE MONITORED	LIQUID LEVEL BEFORE PURGE		LIQUID LEVEL AFTER PURGE(1)		FINAL CHANGE IN LIQUID LEVEL	
		PRODUCT (ft.)	WATER (ft.)	PRODUCT (ft.)	WATER (ft.)	PRODUCT (ft.)	WATER (ft.)
A-4(S)	10/1/98	ND	4.98	ND	3.90		
	10/1/98			ND	3.58		
	10/2/98			ND	3.55	ND	+1.43
A-4 (D)	10/1/98	5.18	15.10	ND	13.85		
	10/1/98			ND	7.82		
	10/2/98			2.17	2.40	+3.01	+12.70
A-5	10/1/98	ND	5.30	ND	15.76		
	10/1/98			ND	8.86		
	10/2/98			ND	5.33	ND	-0.03
A-6	10/1/98	5.23	5.90	5.54	6.57		
	10/1/98			NM	5.32		
	10/2/98			5.14	NM	+0.09	+0.58
B-4	10/1/98	ND	4.42	ND	10.95		
	10/1/98			ND	9.48		
	10/2/98			4.94	ND	+4.94	-4.42
B-5	10/1/98	4.10	4.85	4.7	NM		
	10/2/98			ND	4.12	-4.10	+0.73
B-6	10/1/98	4.38	4.64	13.56	14.45		
	10/1/98			5.40	6.18		
	10/2/98			3.96	NM	+0.42	-1.54
B-7	10/1/98	3.87	4.18	7.80	8.02		
	10/1/98			NM	6.49		
	10/2/98			4.45	NM	-0.58	-2.31
B-8	10/1/98	ND	3.40	ND	14.01		
	10/1/98			ND	13.15		
	10/2/98			ND	9.16	ND	-5.76
C-3	10/2/98	4.09	4.12	ND	11.00		
	10/2/98			ND	5.05		
	10/5/98			ND	4.30	-4.09	-0.18
C-4	10/2/98	ND	4.60	ND	4.77		
	10/2/98			ND	4.60		
	10/5/98			ND	4.60	ND	0.00
C-5	10/5/98	ND	3.90	ND	6.62		
	10/5/98			ND	4.57		
	10/6/98			ND	4.24	ND	-0.34
C-8	10/1/98	ND	3.42	ND	4.80		
	10/2/98			ND	3.75	ND	-0.33

(1)Initial Reading, 1-Hr Reading, 24-Hr Reading

Note: Some of the levels collected after the one-hour readings exceeded 24-hours. Refer to date monitored.

ND = Not detected
NM = Not measured
S = Shallow
D = Deep
+ = Greater than initial (prepurge) reading
- = Less than initial (prepurge) reading

TRC

TABLE 5

LIQUIDS LEVELS IN EPA PIEZOMETERS
TM NO. 12 ACTIVITIES
WASTE DISPOSAL, INC. SUPERFUND SITE
(Continued)

WELL ID	DATE MONITORED	LIQUID LEVEL BEFORE PURGE		LIQUID LEVEL AFTER PURGE(1)		FINAL CHANGE IN LIQUID LEVEL	
		PRODUCT (ft.)	WATER (ft.)	PRODUCT (ft.)	WATER (ft.)	PRODUCT (ft.)	WATER (ft.)
C-9 (S)	10/1/98	ND	DRY	NM	NM	NM	NM
C-9 (D)	10/1/98	3.39	NM	NM	NM	NM	NM
D-3 (S)	10/2/98	ND	3.55	ND	5.47		
	10/2/98			ND	4.94		
	10/5/98			ND	3.60	ND	-0.05
D-3 (D)	10/2/98	3.45	3.51	ND	3.57		
	10/2/98			ND	3.53		
	10/5/98			3.58	3.60	-0.13	-0.09
D-4	10/2/98	4.15	4.25	ND	14.70		
	10/2/98			ND	8.79		
	10/5/98			4.13	4.15	+0.02	+0.10
D-5	10/2/98	5.02	5.07	ND	6.02		
	10/2/98			ND	5.10		
	10/5/98			ND	5.12	-5.02	-0.05
D-6 (S)	10/2/98	ND	5.00	ND	5.35		
	10/2/98			ND	5.09		
	10/5/98			ND	4.90	ND	+0.10
D-6 (D)	10/2/98	4.67	5.58	NM	12.02		
	10/2/98			NM	5.98		
	10/5/98			ND	4.98	-4.67	+0.60
D-7	10/1/98	3.15	4.40	NM	13.65		
	10/2/98			3.08	NM	+0.07	-9.25
D-8	10/1/98	ND	4.12	ND	17.95		
	10/2/98			ND	5.81	ND	-1.69
D-9	10/1/98	3.95	5.85	NM	NM		
	10/2/98			4.00	NM	-0.05	NM
E-1	10/5/98	4.00	4.50	ND	17.00		
	10/5/98			ND	13.75		
	10/6/98			ND	7.20	-4.00	-2.70
E-2	10/5/98	2.97	3.00	6.50	6.55		
	10/5/98			NM	6.00		
	10/6/98			4.80	4.89	-1.83	-1.89
E-3	10/2/98	ND	3.40	ND	17.14		
	10/2/98			ND	13.20		
	10/5/98			ND	3.80	ND	-0.40
E-4	10/2/98	2.91	3.08	ND	13.79		
	10/2/98			ND	5.10		
	10/5/98			ND	3.08	-2.91	0.00

(1) Initial Reading, 1-Hr Reading, 24-Hr Reading

Note: Some of the levels collected after the one-hour readings exceeded 24-hours. Refer to date monitored.

ND = Not detected
NM = Not measured
S = Shallow
D = Deep
+ = Greater than initial (prepurge) reading
- = Less than initial (prepurge) reading

TRC

TABLE 5

LIQUIDS LEVELS IN EPA PIEZOMETERS
TM NO. 12 ACTIVITIES
WASTE DISPOSAL, INC. SUPERFUND SITE
(Continued)

WELL ID	DATE MONITORED	LIQUID LEVEL BEFORE PURGE		LIQUID LEVEL AFTER PURGE(1)		FINAL CHANGE IN LIQUID LEVEL	
		PRODUCT (ft.)	WATER (ft.)	PRODUCT (ft.)	WATER (ft.)	PRODUCT (ft.)	WATER (ft.)
E-5	10/2/98	2.40	5.15	NM	6.10		
	10/2/98			4.29	5.40		
	10/5/98			2.96	5.18	-0.56	-0.03
E-6	10/2/98	3.05	4.19	18.10	18.17		
	10/2/98			NM	6.26		
	10/5/98			3.33	3.48	-0.28	+0.68
E-7	10/1/98	2.59	6.20	NM	NM		
	10/2/98			3.08	NM	-0.49	NM
E-8	10/1/98	3.15	5.50	11.03	NM		
	10/2/98			4.21	NM	-1.06	NM
E-9	10/1/98	3.86	8.15	NM	NM		
	10/2/98			3.90	NM	-0.04	NM
F-1	10/5/98	3.05	4.55	NM	6.50		
	10/5/98			3.90	5.50		
	10/6/98			3.50	5.10	0.00	-0.55
F-2	10/5/98	3.35	10.92	NM	16.77		
	10/5/98			7.00	12.90		
	10/6/98			3.75	7.66	0.40	+3.26
F-3	10/5/98	4.00	4.22	NM	6.74		
	10/5/98			NM	5.60		
	10/6/98			4.00	4.88	0.00	-0.66
F-4	10/5/98	3.36	4.20	6.61	7.31		
	10/5/98			3.90	5.63		
	10/6/98			3.58	4.45	-0.22	-0.25
F-6	10/2/98	3.14	5.30	14.06	14.95		
	10/2/98			NM	8.95		
	10/5/98			5.00	5.13	-1.86	+0.17
F-7 (S)	10/2/98	ND	5.00	ND	DRY		
	10/2/98			ND	5.70		
	10/5/98			ND	5.65	ND	-0.65
F-7 (D)	10/2/98	1.80	10.12	3.80	NM		
	10/2/98			5.30	9.70		
	10/5/98			3.82	10.08	-2.02	+0.04
F-8	10/2/98	3.67	4.01	NM	8.46		
	10/2/98			7.70	7.76		
	10/5/98			4.10	4.30	-0.43	-0.29

(1) Initial Reading, 1-Hr Reading, 24-Hr Reading

Note: Some of the levels collected after the one-hour readings exceeded 24-hours. Refer to date monitored.

ND = Not detected
NM = Not measured
S = Shallow
D = Deep
+ = Greater than initial (prepurge) reading
- = Less than initial (prepurge) reading

TRC

TABLE 5

LIQUIDS LEVELS IN EPA PIEZOMETERS
TM NO. 12 ACTIVITIES
WASTE DISPOSAL, INC. SUPERFUND SITE
(Continued)

WELL ID	DATE MONITORED	LIQUID LEVEL BEFORE PURGE		LIQUID LEVEL AFTER PURGE(1)		FINAL CHANGE IN LIQUID LEVEL	
		PRODUCT (ft.)	WATER (ft.)	PRODUCT (ft.)	WATER (ft.)	PRODUCT (ft.)	WATER (ft.)
F-9	10/2/98	2.79	6.80	6.95	NM		
	10/2/98			4.28	6.04		
	10/5/98			2.85	4.89	-0.06	+1.91
G-1	10/5/98	3.00	9.45	NM	12.85		
	10/5/98			4.15	12.35		
	10/6/98			3.10	7.45	-0.10	+2.00
G-2	10/5/98	3.65	7.77	6.75	16.00		
	10/5/98			4.29	6.56		
	10/6/98			3.92	7.34	-0.27	+0.43
G-3	10/5/98	4.10	7.95	5.60	15.00		
	10/5/98			4.36	5.85		
	10/6/98			4.05	7.55	+0.05	+0.40
G-4	10/5/98	3.65	9.70	4.00	8.38		
	10/5/98			4.10	7.88		
	10/6/98			3.78	8.50	-0.13	+1.20
G-5	10/5/98	4.60	7.00	7.12	17.30		
	10/5/98			7.70	7.85		
	10/6/98			5.00	5.85	-0.40	+1.15
G-6	10/2/98	3.10	13.56	5.98	10.75		
	10/2/98			3.30	14.88		
	10/5/98			2.84	13.86	+0.26	-0.30
G-7	10/2/98	1.40	7.30	9.25	11.00		
	10/2/98			4.65	4.74		
	10/5/98			4.10	5.16	-2.70	+2.14
G-8	10/2/98	2.34	3.84	3.75	NM		
	10/2/98			3.70	3.78		
	10/5/98			3.70	3.75	-1.36	+0.09
G-9 (S)	10/2/98	ND	3.96	ND	2.35		
	10/2/98			ND	3.18		
	10/5/98			ND	3.17	ND	+0.79
G-9 (D)	10/2/98	ND	2.95	ND	3.20		
	10/2/98			ND	2.90		
	10/5/98			ND	2.93	ND	+0.02
H-2	10/5/98	5.15	8.10	NM	11.10		
	10/5/98			5.45	6.65		
	10/6/98			5.26	6.78	-0.11	+1.32

(1) Initial Reading, 1-Hr Reading, 24-Hr Reading

Note: Some of the levels collected after the one-hour readings exceeded 24-hours. Refer to date monitored.

ND = Not detected
NM = Not measured
S = Shallow
D = Deep
+ = Greater than initial (prepurge) reading
- = Less than initial (prepurge) reading

TRC

TABLE 5

LIQUIDS LEVELS IN EPA PIEZOMETERS
TM NO. 12 ACTIVITIES
WASTE DISPOSAL, INC. SUPERFUND SITE
(Continued)

WELL ID	DATE MONITORED	LIQUID LEVEL BEFORE PURGE		LIQUID LEVEL AFTER PURGE(1)		FINAL CHANGE IN LIQUID LEVEL	
		PRODUCT (ft.)	WATER (ft.)	PRODUCT (ft.)	WATER (ft.)	PRODUCT (ft.)	WATER (ft.)
H-3 (S)	10/5/98	ND	5.15	ND	5.15		
	10/5/98			ND	5.25		
	10/6/98			ND	5.26	ND	-0.11
H-3 (D)	10/5/98	5.06	5.07	5.06	5.07		
	10/5/98			5.10	5.15		
	10/6/98			5.10	5.20	-0.04	-0.13
H-4	10/5/98	3.40	9.87	13.00	17.36		
	10/5/98			6.13	9.20		
	10/6/98			4.00	9.20	-0.60	+0.67
H-5	10/5/98	4.60	5.65	6.90	10.12		
	10/5/98			4.65	4.70		
	10/6/98			4.47	5.58	+0.13	+0.07
H-6	10/2/98	4.19	5.00	NM	12.30		
	10/2/98			6.30	6.40		
	10/5/98			4.32	4.40	-0.13	+0.60
H-7	10/2/98	4.92	5.55	NM	10.50		
	10/2/98			4.98	8.50		
	10/5/98			5.00	5.15	-0.08	+0.40
H-8	10/2/98	ND	4.65	ND	14.10		
	10/2/98			ND	4.68		
	10/5/98			ND	4.65	ND	0.00
I-4	10/5/98	5.05	6.52	NM	6.70		
	10/5/98			5.15	6.35		
	10/6/98			5.17	6.60	-0.08	0.08
I-5	10/5/98	3.05	4.80	NM	7.45		
	10/5/98			3.60	7.00		
	10/6/98			3.00	6.00	+0.05	-1.20
I-6	10/2/98	3.65	4.25	NM	3.70		
	10/2/98			3.69	3.76		
	10/5/98			3.74	3.95	-0.09	+0.30
I-7	10/2/98	ND	4.12	ND	4.20		
	10/2/98			ND	4.10		
	10/5/98			ND	4.15	ND	-0.03

(1) Initial Reading, 1-Hr Reading, 24-Hr Reading

Note: Some of the levels collected after the one-hour readings exceeded 24-hours. Refer to date monitored.

ND = Not detected
NM = Not measured
S = Shallow
D = Deep
+ = Greater than initial (prepurge) reading
- = Less than initial (prepurge) reading

94-256/Rpts/TM#6,8,12 (11/2/98/mc)

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TABLE 6

HYDRAULIC YIELD FOR PUMP TESTS AT EX-2, -4 AND -6 WASTE DISPOSAL, INC. SUPERFUND SITE

EX-2[1]				EX-4				EX-6			
Cycle No.	Recovery (feet)	Time (minutes)	Yield[2] (gpm)	Cycle No.	Recovery (feet)	Time (minutes)	Yield[2] (gpm)	Cycle No.	Recovery (feet)	Time (minutes)	Yield[2] (gpm)
Cycle 1	3.1	97	0.05	Cycle 1	5.04	6,889.8	0.0011	Cycle 1	4.629	130	0.052
Cycle 2	4.62	112	0.06	Cycle 2	4.84	13,840	0.0005	Cycle 2	4.449	160	0.041
Cycle 3	6.6	189	0.05					Cycle 3	5.49	260	0.031
Cycle 4	7.5	236	0.05					Cycle 4	5.213	280	0.027
Cycle 5	7.13	246	0.04					Cycle 5	5.201	320	0.024
Cycle 6	6.35	244	0.04					Cycle 6	5.333	360	0.022
Cycle 7	5.8	143	0.06					Cycle 7	6.61	460	0.021
								Cycle 8	6.233	580	0.016
								Cycle 9	6.257	740	0.012
								Cycle 10	6.647	1300	0.008
Average	–	–	0.05	Average	–	–	0.0008	Average	–	–	0.0232

94-256/Reports/InterimROF (11/2/98/mc)

(1) EX-2 results from Interim TM No. 6 July 1998.

(2) Yield = Recovery/Time (ft/min) x Volume (ft/gal)

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TABLE 7

SUMMARY OF CHEMISTRY DATA TM NOS. 6 AND 8 PUMP TEST FOR EX-2 ACTIVITIES WASTE DISPOSAL, INC. SUPERFUND SITE

- Volatile Organics (EPA Method 8260)
  - Low levels of typical petroleum VOCs were detected including benzene, toluene and ethylbenzene.
- Semivolatile Organics (EPA Method 8270)
  - Low levels of SVOCs including naphthalene and methylnaphthalene, and methylphenols were detected.
- PCBs/Pesticides (EPA Method 8080)
  - PCB levels (PCB-1248, -1254 and –1260) ranging from 0.0025 ppm to 14 ppm were detected.
  - Pesticides were not detected in the samples.
- Metals
  - Low levels of metals including arsenic, barium, cadmium, lead, mercury, nickel and thallium were detected.
- Oil and Grease (EPA Method 413.2)
  - Levels of oil and grease ranged from 93 to 45,000 mg/L.
  - EX-2 had the highest level at 45,000 mg/L, which may have been due to suspended oil in the water phase.
- Total Petroleum Hydrocarbons (EPA Method 418.1)
  - Levels were similar to oil and grease analysis, with EX-2 having the highest TPH of 44,000 mg/L.
- Simulated Distillation
  - Hydrocarbons were primarily found to be greater than 0.14 and were observed to be typical straight chain aliphatics.
- Microbial Analyses
  - Anaerobic and aerobic plate counts indicated relatively low levels of bacteria. All results were below 1 million units/mL which is considered low.
  - Bacteria found were identified as facultative anaerobic bacteria. Strict anaerobic bacteria were not identified.
- BTU Analyses
  - BTU levels were found to be consistent with the oil and grease/TPH analyses.
  - BTU levels from the oils indicate the materials may have fuel value if disposal is required.
- Sulfur Analyses
  - Low levels of sulfur were detected at levels less than 1 percent by weight.

TABLE 8

SUMMARY OF CHEMISTRY DATA TM NO. 6 PUMP TEST ACTIVITIES FOR EX-4 AND EX-6 WASTE DISPOSAL, INC. SUPERFUND SITE

- Volatile Organics (EPA Method 8260)
  - Low levels of typical petroleum VOCs were detected including benzene, toluene, ethylbenzene, 4-methyl2-pentanone and vinyl chloride.
- Semivolatile Organics (EPA Method 8270)
  - Low levels of SVOCs including naphthalene and methylnaphthalene, methylphenols, phenanthrene, and phenol were detected.
- PCBs/Pesticides (EPA Method 8080)
  - PCB levels (PCB-1248, -1254 and –1260) ranging from 0.0016 ppm to 350 ppm were detected.
  - Pesticides were not detected in the samples.
- Metals
  - Low levels of metals including arsenic, barium, cadmium, lead, mercury, nickel and thallium were detected.
- Oil and Grease (EPA Method 413.2)
  - Levels of oil and grease ranged from 19 to 3,100 mg/L.
  - NDP-3 had the highest level at 3,100 mg/L, which may have been due to suspended oil in the water phase.
- Total Petroleum Hydrocarbons (EPA Method 418.1)
  - Levels were similar to oil and grease analysis, with NDP-3 having the highest TPH of 2,800 mg/L.
- Simulated Distillation
  - Hydrocarbons were primarily found to be greater than 0.14 and were observed to be typical straight chain aliphatics.
- Microbial Analyses
  - Anaerobic and aerobic plate counts indicated relatively low levels of bacteria. WD1-NDP-3 which had results of 2,400,000 anaerobic bacterial count and 2,900,000 plate count. All other results were below 1 million units/mL which is considered low.
  - Bacteria found were identified as facultative anaerobic bacteria. Strict anaerobic bacteria were not identified.
- BTU Analyses
  - BTU levels were found to be consistent with the oil and grease/TPH analyses.
  - BTU levels from the oils indicate the materials may have fuel value if disposal is required.
- Sulfur Analyses
  - Low levels of sulfur were detected at levels less than 1 percent by weight.

APPENDIX C

1998 ANNUAL SOIL GAS MONITORING REPORT DATA
(THIS APPENDIX WAS PREVIOUSLY PROVIDED ON CD-ROM IN DISK 1 OF 2 THE APRIL 1999 SUBMISSION)

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APPENDIX D

1998 ANNUAL IN-BUSINESS AIR MONITORING
REPORT DATA
(THIS APPENDIX WAS PREVIOUSLY PROVIDED ON CD-ROM IN DISK 1 OF 2 THE APRIL 1999 SUBMISSION)

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APPENDIX F

1998 ANNUAL GROUND WATER MONITORING
REPORT DATA
(THIS APPENDIX WAS PREVIOUSLY PROVIDED ON CD-ROM IN DISK 2 OF 2 THE APRIL 1999 SUBMISSION)

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APPENDIX F.1

1998 ANNUAL GROUND WATER MONITORING REPORT DATA
UPDATED ANALYTICAL TABLES

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TABLE F.1.1

GROUND WATER ANALYTICAL DATA FOR SEPTEMBER 1997
WASTE DISPOSAL, INC. SUPERFUND SITE

PARAMETERS	MAXIMUM CONTAMINANT LEVEL (MCL)	WELL IDENTIFICATION, SAMPLING DATES AND ANALYTICAL RESULTS													
VOLATILES (µg/L)	(µg/L)	GMW 01	Qual	GMW 02	Qual	GMW 03	Qual	GMW 04	Qual	GMW 05	Qual	GMW 06	Qual	GMW 07	Qual
1,1,1-Trichloroethane	200	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
1,1,2,2-Tetrachloroethane	NE	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
1,1,2-Trichloroethane	NE	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
1,1-Dichloroethane	NE	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
1,1-Dichloroethene	6	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
1,2-Dibromoethane	NE	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
1,2-Dichloroethane	0.5	**0.9**		**0.9**		**0.9**		**0.9**		<0.5	U	<0.5	U	<0.5	U
1,2-Dichloropropane	NE	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
2-Butanone	NE	NA		NA		NA		NA		NA		NA		NA	
2-Chloroethylvinylether	NE	<4	U	<4	U	<4	U	<4	U	<4	U	<4	U	<4	U
2-Hexanone	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
4-Methyl-2-pentanone	NE	NA		NA		NA		NA		NA		NA		NA	
Acetone	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Benzene	1	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
Bromodichloromethane	NE	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
Bromoform	NE	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
Bromomethane	NE	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
Carbon Disulfide	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
Carbon Tetrachloride	0.5	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
Chlorobenzene	70	NA		NA		NA		NA		NA		NA		NA	
Chloroethane	NE	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
Chloroform	NE	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	1.4		**3.5**	
Chloromethane	NE	<1	U	<1	U	<1	U	<1	U	<1	U	<1	U	<1	U
cis-1,2-Dichloroethene	NE	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
cis-1,3-Dichloropropene	NE	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
Dibromochloromethane	NE	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
Ethylbenzene	700	NA		NA		NA		NA		NA		NA		NA	
m, p-Xylene	1,750,000	NA		NA		NA		NA		NA		NA		NA	
Methylene chloride	5	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
o-Xylene	1,750,000	NA		NA		NA		NA		NA		NA		NA	
Styrene	NE	NA		NA		NA		NA		NA		NA		NA	
Tetrachloroethene	5	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
Toluene	150	NA		NA		NA		NA		NA		NA		NA	
trans-1,2-Dichloroethene	NE	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
trans-1,3-Dichloropropene	NE	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
Trichloroethene	5	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
Vinyl Acetate	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Vinyl chloride	0.5	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U

(1) GMW 09 was not sampled this quarter.

Bold Number = detection of analyte.

Shaded area with **bold number** = exceedance of MCL.

U = analyte not detected.

NA = analyte was not analyzed this quarter.

NE = none established.

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TABLE F.1.1

GROUND WATER ANALYTICAL DATA FOR SEPTEMBER 1997
WASTE DISPOSAL, INC. SUPERFUND SITE

PARAMETERS	MAXIMUM CONTAMINANT LEVEL (MCL)	WELL IDENTIFICATION, SAMPLING DATES AND ANALYTICAL RESULTS												
		GMW 08	Qual	GMW 09	GMW 10	Qual	GMW 11	Qual	GMW 13	Qual	GWM 14	Qual	GWM 15	Qual
VOLATILES (µg/L)	(µg/L)													
1,1,1-Trichloroethane	200	<0.5	U		<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
1,1,2,2-Tetrachloroethane	NE	<0.5	U		<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
1,1,2-Trichloroethane	NE	<0.5	U		<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
1,1-Dichloroethane	NE	<0.5	U		<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
1,1-Dichloroethene	6	<0.5	U		<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
1,2-Dibromoethane	NE	<0.5	U		<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
1,2-Dichloromethane	0.5	<0.5	U		<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
1,2-Dichloropropane	NE	<0.5	U		<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
2-Butanone	NE	NA			NA		NA		NA		NA		NA	
2-Chloroethylvinylether	NE	<4	U		<4	U	<4	U	<4	U	<4	U	<4	U
2-Hexanone	NE	<5	U		<5	U	<5	U	<5	U	<5	U	<5	U
4-Methyl-2-pentanone	NE	NA			NA		NA		NA		NA		NA	
Acetone	NE	<10	U		<10	U	<10	U	<10	U	<10	U	<10	U
Benzene	1	<0.5	U		<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
Bromodichloromethane	NE	<0.5	U		<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
Bromoform	NE	<0.5	U		<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
Bromomethane	NE	<0.5	U		<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
Carbon Disulfide	NE	<2	U		<2	U	<2	U	<2	U	<2	U	<2	U
Carbon Tetrachloride	0.5	<0.5	U		<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
Chlorobenzene	70	NA			NA		NA		NA		NA		NA	
Chloroethane	NE	<0.5	U		<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
Chloroform	NE	<0.5	U		<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
Chloromethane	NE	<1	U		<1	U	<1	U	<1	U	<1	U	<1	U
cis-1,2-Dichloroethene	NE	<0.5	U		<0.5	U	**0.9**		<0.5	U	<0.5	U	<0.5	U
cis-1,3-Dichloropropene	NE	<0.5	U		<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
Dibromochloromethane	NE	<0.5	U		<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
Ethylbenzene	700	NA			NA		NA		NA		NA		NA	
m, p-Xylene	1,750,000	NA			NA		NA		NA		NA		NA	
Methylene chloride	5	<2	U		<2	U	<2	U	<2	U	<2	U	<2	U
o-Xylene	1,750,000	NA			NA		NA		NA		NA		NA	
Styrene	NE	NA			NA		NA		NA		NA		NA	
Tetrachloroethene	5	**1.7**			**1.0**		**40.0**		<0.5	U	<0.5	U	<0.5	U
Toluene	150	NA			NA		NA		NA		NA		NA	
trans-1,2-Dichloroethene	NE	<0.5	U		<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
trans-1,3-Dichloropropene	NE	<0.5	U		<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
Trichloroethene	5	<0.5	U		<0.5	U	**4.8**		<0.5	U	<0.5	U	<0.5	U
Vinyl acetate	NE	<5	U		<5	U	<5	U	<5	U	<5	U	<5	U
Vinyl chloride	0.5	<0.5	U		<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U

(1) GMW 09 was not sampled this quarter.

Bold Number = detection of analyte.

Shaded area with **bold number** = exceedance of MCL.

U = analyte not detected.

NA = analyte was not analyzed this quarter.

NE = none established.

TRC

TABLE F.1.1

GROUND WATER ANALYTICAL DATA FOR SEPTEMBER 1997
WASTE DISPOSAL, INC. SUPERFUND SITE

PARAMETERS	MAXIMUM CONTAMINANT LEVEL (MCL)	WELL IDENTIFICATION, SAMPLING DATES AND ANALYTICAL RESULTS													
VOLATILES (µg/L)	(µg/L)	GWM 16	Qual	GMW 18	Qual	GMW 19	Qual	GMW 21	Qual	GWM 22	Qual	GWM 23	Qual	GWM 24	Qual
1,1,1-Trichloroethane	200	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
1,1,2,2-Tetrachloroethane	NE	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
1,1,2-Trichloroethane	NE	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
1,1-Dichloroethane	NE	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
1,1-Dichloroethene	6	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
1,2-Dibromoethane	NE	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
1,2-Dichloroethane	0.5	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
1,2-Dichloropropane	NE	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
2-Butanone	NE	NA		NA		NA		NA		NA		NA		NA	
2-Chloroethylvinylether	NE	<4	U	<4	U	<4	U	<4	U	<4	U	<4	U	<4	U
2-Hexanone	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
4-Methyl-2-pentanone	NE	NA		NA		NA		NA		NA		NA		NA	
Acetone	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Benzene	1	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
Bromodichloromethane	NE	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
Bromoform	NE	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
Bromomethane	NE	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
Carbon Disulfide	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
Carbon Tetrachloride	0.5	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
Chlorobenzene	70	NA		NA		NA		NA		NA		NA		NA	
Chloroethane	NE	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
Chloroform	NE	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
Chloromethane	NE	<1	U	<1	U	<1	U	<1	U	<1	U	<1	U	<1	U
cis-1,2-Dichloroethene	NE	<0.5	U	<0.5	U	<0.5	U	<0.5	U	**0.59**		<0.5	U	<0.5	U
cis-1,3-Dichloropropene	NE	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
Dibromochloromethane	NE	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
Ethylbenzene	700	NA		NA		NA		NA		NA		NA		NA	
m, p-Xylene	1,750,000	NA		NA		NA		NA		NA		NA		NA	
Methylene chloride	5	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
o-Xylene	1,750,000	NA		NA		NA		NA		NA		NA		NA	
Styrene	NE	NA		NA		NA		NA		NA		NA		NA	
Tetrachloroethene	5	<0.5	U	<0.5	U	<0.5	U	<0.5	U	**4.3**		**0.56**		**13**	
Toluene	150	NA		NA		NA		NA		NA		NA		NA	
trans-1,2-Dichloroethene	NE	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
trans-1,3-Dichloropropene	NE	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
Trichloroethene	5	<0.5	U	<0.5	U	<0.5	U	<0.5	U	**3.3**		**0.65**		**1.3**	
Vinyl Acetate	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Vinyl chloride	0.5	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U

(1) GMW 09 was not sampled this quarter.

Bold Number = detection of analyte.

Shaded area with **bold number** = exceedance of MCL.

U = analyte not detected.

NA = analyte was not analyzed this quarter.

NE = none established.

TRC

TABLE F.1.1

GROUND WATER ANALYTICAL DATA FOR SEPTEMBER 1997
WASTE DISPOSAL, INC. SUPERFUND SITE

PARAMETERS	MAXIMUM CONTAMINANT LEVEL (MCL)	WELL IDENTIFICATION, SAMPLING DATES AND ANALYTICAL RESULTS											
		GMW 26	Qual	GMW 27	Qual	GMW 28	Qual	GWM 29	Qual	GWM 30	Qual	GWM 31	Qual
VOLATILES (µg/L)	(µg/L)												
1,1,1-Trichloroethane	200	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
1,1,2,2-Tetrachloroethane	NE	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
1,1,2-Trichloroethane	NE	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
1,1-Dichloroethane	NE	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
1,1-Dichloroethene	6	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
1,2-Dibromoethane	NE	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
1,2-Dichloroethane	0.5	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
1,2-Dichloropropane	NE	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
2-Butanone	NE	NA		NA		NA		NA		NA		NA	
2-Chloroethylvinylether	NE	<4	U	<4	U	<4	U	<4	U	<4	U	<4	U
2-Hexanone	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
4-Methyl-2-pentanone	NE	NA		NA		NA		NA		NA		NA	
Acetone	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Benzene	1	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
Bromodichloromethane	NE	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
Bromoform	NE	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
Bromomethane	NE	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
Carbon Disulfide	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
Carbon Tetrachloride	0.5	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
Chlorobenzene	70	NA		NA		NA		NA		NA		NA	
Chloroethane	NE	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
Chloroform	NE	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
Chloromethane	NE	<1	U	<1	U	<1	U	<1	U	<1	U	<1	U
cis-1,2-Dichloroethene	NE	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
cis-1,3-Dichloropropene	NE	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
Dibromochloromethane	NE	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
Ethylbenzene	700	NA		NA		NA		NA		NA		NA	
m, p-Xylene	1,750,000	NA		NA		NA		NA		NA		NA	
Methylene chloride	5	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
o-Xylene	1,750,000	NA		NA		NA		NA		NA		NA	
Styrene	NE	NA		NA		NA		NA		NA		NA	
Tetrachloroethene	5	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
Toluene	150	NA		NA		NA		NA		NA		NA	
trans-1,2-Dichloroethene	NE	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
trans-1,3-Dichloropropene	NE	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
Trichloroethene	5	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
Vinyl acetate	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Vinyl chloride	0.5	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U

(1) GMW 09 was not sampled this quarter.

Bold Number = detection of analyte.

Shaded area with **bold number** = exceedance of MCL.

U = analyte not detected.

NA = analyte was not analyzed this quarter.

NE = none established.

TRC

TABLE F.1.2

GROUND WATER ANALYTICAL DATA FOR FEBRUARY 1998
WASTE DISPOSAL, INC. SUPERFUND SITE

PARAMETERS	MAXIMUM CONTAMINANT LEVEL (MCL)	WELL IDENTIFICATION, SAMPLING DATES AND ANALYTICAL RESULTS													
VOLATILES (µg/L)	(µg/L)	GMW 01	Qual	GMW 02	Qual	GMW 03	Qual	GMW 04	Qual	GMW 05	Qual	GMW 06	Qual	GMW 07	Qual
1,1,1-Trichloroethane	200	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
1,1,2,2-Tetrachloroethane	NE	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
1,1,2-Trichloroethane	NE	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
1,1-Dichloroethane	NE	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
1,1-Dichloroethene	6	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
1,2-Dibromoethane	NE	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
1,2-Dichloroethane	0.5	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
1,2-Dichloropropane	NE	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
2-Butanone	NE	NA		NA		NA		NA		NA		NA		NA	
2-Chloroethylvinylether	NE	<4	U	<4	U	<4	U	<4	U	<4	U	<4	U	<4	U
2-Hexanone	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
4-Methyl-2-pentanone	NE	NA		NA		NA		NA		NA		NA		NA	
Acetone	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Benzene	1	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
Bromodichloromethane	NE	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
Bromoform	NE	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
Bromomethane	NE	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
Carbon Disulfide	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
Carbon Tetrachloride	0.5	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
Chlorobenzene	70	NA		NA		NA		NA		NA		NA		NA	
Chloroethane	NE	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
Chloroform	NE	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	**1.5**		**2.9**	
Chloromethane	NE	<1	U	<1	U	<1	U	<1	U	<1	U	<1	U	<1	U
cis-1,2-Dichloroethene	NE	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
cis-1,3-Dichloropropene	NE	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
Dibromochloromethane	NE	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
Ethylbenzene	700	NA		NA		NA		NA		NA		NA		NA	
m, p-Xylene	1,750,000	NA		NA		NA		NA		NA		NA		NA	
Methylene chloride	5	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
o-Xylene	1,750,000	NA		NA		NA		NA		NA		NA		NA	
Styrene	NE	NA		NA		NA		NA		NA		NA		NA	
Tetrachloroethene	5	**5.9**		<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
Toluene	150	NA		NA		NA		NA		NA		NA		NA	
trans-1,2-Dichloroethene	NE	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
trans-1,3-Dichloropropene	NE	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
Trichloroethene	5	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
Vinyl Acetate	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Vinyl chloride	0.5	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U

Bold Number = detection of analyte.

Shaded area with **bold number** = exceedance of MCL.

U = analyte not detected.

NA = analyte was not analyzed this quarter.

NE = none established.

TRC

TABLE F.1.2

GROUND WATER ANALYTICAL DATA FOR FEBRUARY 1998
WASTE DISPOSAL, INC. SUPERFUND SITE

PARAMETERS	MAXIMUM CONTAMINANT LEVEL (MCL)	WELL IDENTIFICATION, SAMPLING DATES AND ANALYTICAL RESULTS													
VOLATILES (µg/L)	(µg/L)	GMW 08	Qual	GMW 09	Qual	GMW 10	Qual	GMW 11	Qual	GMW 13	Qual	GWM 14	Qual	GWM 15	Qual
1,1,1-Trichloroethane	200	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
1,1,2,2-Tetrachloroethane	NE	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
1,1,2-Trichloroethane	NE	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
1,1-Dichloroethane	NE	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
1,1-Dichloroethene	6	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
1,2-Dibromoethane	NE	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
1,2-Dichloroethane	0.5	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
1,2-Dichloropropane	NE	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
2-Butanone	NE	NA		NA		NA		NA		NA		NA		NA	
2-Chloroethylvinylether	NE	<4	U	<4	U	<4	U	<4	U	<4	U	<4	U	<4	U
2-Hexanone	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
4-Methyl-2-pentanone	NE	NA		NA		NA		NA		NA		NA		NA	
Acetone	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Benzene	1	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
Bromodichloromethane	NE	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
Bromoform	NE	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
Bromomethane	NE	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
Carbon Disulfide	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
Carbon Tetrachloride	0.5	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
Chlorobenzene	70	NA		NA		NA		NA		NA		NA		NA	
Chloroethane	NE	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
Chloroform	NE	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
Chloromethane	NE	<1	U	<1	U	<1	U	<1	U	<1	U	<1	U	<1	U
cis-1,2-Dichloroethene	NE	<0.5	U	<0.5	U	<0.5	U	0.71		<0.5	U	<0.5	U	<0.5	U
cis-1,3-Dichloropropene	NE	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
Dibromochloromethane	NE	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
Ethylbenzene	700	NA		NA		NA		NA		NA		NA		NA	
m, p-Xylene	1,750,000	NA		NA		NA		NA		NA		NA		NA	
Methylene chloride	5	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
o-Xylene	1,750,000	NA		NA		NA		NA		NA		NA		NA	
Styrene	NE	NA		NA		NA		NA		NA		NA		NA	
Tetrachloroethene	5	**2.0**		**4.7**		**1.2**		**74**		<0.5	U	<0.5	U	<0.5	U
Toluene	150	NA		NA		NA		NA		NA		NA		NA	
trans-1,2-Dichloroethene	NE	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
trans-1,3-Dichloropropene	NE	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
Trichloroethene	5	<0.5	U	<0.5	U	<0.5	U	**6.8**		<0.5	U	<0.5	U	<0.5	U
Vinyl acetate	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Vinyl chloride	0.5	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U

Bold Number = detection of analyte.

Shaded area with **bold number** = exceedance of MCL.

U = analyte not detected.

NA = analyte was not analyzed this quarter.

NE = none established.

TRC

TABLE F.1.2

GROUND WATER ANALYTICAL DATA FOR FEBRUARY 1998
WASTE DISPOSAL, INC. SUPERFUND SITE

PARAMETERS	MAXIMUM CONTAMINANT LEVEL (MCL)	WELL IDENTIFICATION, SAMPLING DATES AND ANALYTICAL RESULTS													
VOLATILES (µg/L)	(µg/L)	GWM 16	Qual	GMW 18	Qual	GMW 19	Qual	GMW 21	Qual	GWM 22	Qual	GWM 23	Qual	GWM 24	Qual
1,1,1-Trichloroethane	200	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
1,1,2,2-Tetrachloroethane	NE	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
1,1,2-Trichloroethane	NE	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
1,1-Dichloroethane	NE	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
1,1-Dichloroethene	6	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
1,2-Dibromoethane	NE	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
1,2-Dichloroethane	0.5	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
1,2-Dichloropropane	NE	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
2-Butanone	NE	NA		NA		NA		NA		NA		NA		NA	
2-Chloroethylvinylether	NE	<4	U	<4	U	<4	U	<4	U	<4	U	<4	U	<4	U
2-Hexanone	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
4-Methyl-2-pentanone	NE	NA		NA		NA		NA		NA		NA		NA	
Acetone	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Benzene	1	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
Bromodichloromethane	NE	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
Bromoform	NE	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
Bromomethane	NE	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
Carbon Disulfide	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
Carbon Tetrachloride	0.5	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
Chlorobenzene	70	NA		NA		NA		NA		NA		NA		NA	
Chloroethane	NE	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
Chloroform	NE	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
Chloromethane	NE	<1	U	<1	U	<1	U	<1	U	<1	U	<1	U	<1	U
cis-1,2-Dichloroethene	NE	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
cis-1,3-Dichloropropene	NE	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
Dibromochloromethane	NE	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
Ethylbenzene	700	NA		NA		NA		NA		NA		NA		NA	
m, p-Xylene	1,750,000	NA		NA		NA		NA		NA		NA		NA	
Methylene chloride	5	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
o-Xylene	1,750,000	NA		NA		NA		NA		NA		NA		NA	
Styrene	NE	NA		NA		NA		NA		NA		NA		NA	
Tetrachloroethene	5	<0.5	U	<0.5	U	<0.5	U	<0.5	U	**5.3**		<0.5	U	**30**	
Toluene	150	NA		NA		NA	U	NA		NA		NA		NA	
trans-1,2-Dichloroethene	NE	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
trans-1,3-Dichloropropene	NE	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
Trichloroethene	5	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
Vinyl Acetate	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Vinyl chloride	0.5	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U

Bold Number = detection of analyte.

Shaded area with **bold number** = exceedance of MCL.

U = analyte not detected.

NA = analyte was not analyzed this quarter.

NE = none established.

TRC

TABLE F.1.2

GROUND WATER ANALYTICAL DATA FOR FEBRUARY 1998
WASTE DISPOSAL, INC. SUPERFUND SITE

PARAMETERS	MAXIMUM CONTAMINANT LEVEL (MCL)	WELL IDENTIFICATION, SAMPLING DATES AND ANALYTICAL RESULTS											
VOLATILES (µg/L)	(µg/L)	GMW 26	Qual	GMW 27	Qual	GMW 28	Qual	GWM 29	Qual	GWM 30	Qual	GWM 31	Qual
1,1,1-Trichloroethane	200	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
1,1,2,2-Tetrachloroethane	NE	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
1,1,2-Trichloroethane	NE	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
1,1-Dichloroethane	NE	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
1,1-Dichloroethene	6	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
1,2-Dibromoethane	NE	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
1,2-Dichloroethane	0.5	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
1,2-Dichloropropane	NE	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
2-Butanone	NE	NA		NA		NA		NA		NA		NA	
2-Chloroethylvinylether	NE	<4	U	<4	U	<4	U	<4	U	<4	U	<4	U
2-Hexanone	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
4-Methyl-2-pentanone	NE	NA		NA		NA		NA		NA		NA	
Acetone	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Benzene	1	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
Bromodichloromethane	NE	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
Bromoform	NE	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
Bromomethane	NE	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
Carbon Disulfide	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
Carbon Tetrachloride	0.5	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
Chlorobenzene	70	NA		NA		NA		NA		NA		NA	
Chloroethane	NE	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
Chloroform	NE	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
Chloromethane	NE	<1	U	<1	U	<1	U	<1	U	<1	U	<1	U
cis-1,2-Dichloroethene	NE	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
cis-1,3-Dichloropropene	NE	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
Dibromochloromethane	NE	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
Ethylbenzene	700	NA		NA		NA		NA		NA		NA	
m, p-Xylene	1,750,000	NA		NA		NA		NA		NA		NA	
Methylene chloride	5	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
o-Xylene	1,750,000	NA		NA		NA		NA		NA		NA	
Styrene	NE	NA		NA		NA		NA		NA		NA	
Tetrachloroethene	5	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
Toluene	150	NA		NA		NA		NA		NA		NA	
trans-1,2-Dichloroethene	NE	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
trans-1,3-Dichloropropene	NE	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
Trichloroethene	5	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U
Vinyl acetate	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Vinyl chloride	0.5	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U	<0.5	U

Bold Number = detection of analyte.

Shaded area with **bold number** = exceedance of MCL.

U = analyte not detected.

NA = analyte was not analyzed this quarter.

NE = none established.

TRC

TABLE F.1.3

GROUND WATER ANALYTICAL DATA FOR APRIL 1998
WASTE DISPOSAL, INC. SUPERFUND SITE

PARAMETERS	MAXIMUM CONTAMINANT LEVEL (MCL)	WELL IDENTIFICATION, SAMPLING DATES AND ANALYTICAL RESULTS													
		GMW 01	Qual	GMW 02	Qual	GMW 03	Qual	GMW 04	Qual	GMW 05	Qual	GMW 06	Qual	GMW 07	Qual
VOLATILES (µg/L)	(µg/L)														
1,1,1-Trichloroethane	200	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
1,1,2,2-Tetrachloroethane	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
1,1,2-Trichloroethane	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
1,1-Dichloroethane	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
1,1-Dichloroethene	6	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
1,2-Dibromoethane	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
1,2-Dichloroethane	0.5	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
1,2-Dichloropropane	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
2-Butanone	NE	<10	U	<10	U	**10**		**10**		<10	U	**10**		<10	U
2-Chloroethylvinylether	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
2-Hexanone	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
4-Methyl-2-pentanone	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Acetone	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Benzene	1	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
Bromodichloromethane	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
Bromoform	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Bromomethane	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Carbon Disulfide	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Carbon Tetrachloride	0.5	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Chlorobenzene	70	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
Chloroethane	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Chloroform	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
Chloromethane	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
cis-1,2-Dichloroethene	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
cis-1,3-Dichloropropene	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
Dibromochloromethane	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
Ethylbenzene	700	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
m, p-Xylene	1,750,000	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
Methylene chloride	5	<20	U	<20	U	<20	U	<20	U	<20	U	<20	U	<20	U
o-Xylene	1,750,000	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
Styrene	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
Tetrachloroethene	5	**5.6**		<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
Toluene	150	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
trans-1,2-Dichloroethene	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
trans-1,3-Dichloropropene	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
Trichloroethene	5	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
Vinyl acetate	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Vinyl chloride	0.5	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U

Bold Number = detection of analyte.

Shaded area with **bold number** = exceedance of MCL.

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NA = analyte was not analyzed this quarter.

NE = none established.

TRC

TABLE F.1.3

GROUND WATER ANALYTICAL DATA FOR APRIL 1998
WASTE DISPOSAL, INC. SUPERFUND SITE

PARAMETERS	MAXIMUM CONTAMINANT LEVEL (MCL)	WELL IDENTIFICATION, SAMPLING DATES AND ANALYTICAL RESULTS													
VOLATILES (µg/L)	(µg/L)	GMW 08	Qual	GMW 09	Qual	GMW 10	Qual	GMW 11	Qual	GMW 13	Qual	GWM 14	Qual	GWM 15	Qual
1,1,1-Trichloroethane	200	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
1,1,2,2-Tetrachloroethane	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
1,1,2-Trichloroethane	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
1,1-Dichloroethane	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
1,1-Dichloroethene	6	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
1,2-Dibromoethane	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
1,2-Dichloroethane	0.5	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
1,2-Dichloropropane	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
2-Butanone	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
2-Chloroethylvinylether	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
2-Hexanone	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
4-Methyl-2-pentanone	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Acetone	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Benzene	1	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
Bromodichloromethane	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
Bromoform	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Bromomethane	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Carbon Disulfide	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Carbon Tetrachloride	0.5	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Chlorobenzene	70	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
Chloroethane	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Chloroform	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
Chloromethane	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
cis-1,2-Dichloroethene	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
cis-1,3-Dichloropropene	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
Dibromochloromethane	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
Ethylbenzene	700	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
m, p-Xylene	1,750,000	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
Methylene chloride	5	<20	U	<20	U	<20	U	<20	U	<20	U	<20	U	<20	U
o-Xylene	1,750,000	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
Styrene	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
Tetrachloroethene	5	**2.1**		**6.5**		<2	U	**77**		<2	U	<2	U	<2	U
Toluene	150	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
trans-1,2-Dichloroethene	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
trans-1,3-Dichloropropene	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
Trichloroethene	5	<2	U	<2	U	<2	U	**7.6**		<2	U	<2	U	<2	U
Vinyl Acetate	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Vinyl chloride	0.5	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U

Bold Number = detection of analyte.

Shaded area with **bold number** = exceedance of MCL.

U = analyte not detected

NA = analyte was not analyzed this quarter.

NE = none established.

TRC

TABLE F.1.3

GROUND WATER ANALYTICAL DATA FOR APRIL 1998
WASTE DISPOSAL, INC. SUPERFUND SITE

PARAMETERS	MAXIMUM CONTAMINANT LEVEL (MCL)	WELL IDENTIFICATION, SAMPLING DATES AND ANALYTICAL RESULTS													
		GWM 16	Qual	GMW 18	Qual	GMW 19	Qual	GMW 21	Qual	GWM 22	Qual	GWM 23	Qual	GWM 24	Qual
VOLATILES (µg/L)	(µg/L)														
1,1,1-Trichloroethane	200	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
1,1,2,2-Tetrachloroethane	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
1,1,2-Trichloroethane	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
1,1-Dichloroethane	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
1,1-Dichloroethene	6	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
1,2-Dibromoethane	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
1,2-Dichloroethane	0.5	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
1,2-Dichloropropane	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
2-Butanone	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
2-Chloroethylvinylether	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
2-Hexanone	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
4-Methyl-2-pentanone	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Acetone	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Benzene	1	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
Bromodichloromethane	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
Bromoform	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Bromomethane	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Carbon Disulfide	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Carbon Tetrachloride	0.5	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Chlorobenzene	70	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
Chloroethane	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Chloroform	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
Chloromethane	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
cis-1,2-Dichloroethene	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
cis-1,3-Dichloropropene	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
Dibromochloromethane	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
Ethylbenzene	700	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
m, p-Xylene	1,750,000	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
Methylene chloride	5	<20	U	<20	U	<20	U	<20	U	<20	U	<20	U	<20	U
o-Xylene	1,750,000	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
Styrene	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
Tetrachloroethene	5	<2	U	<2	U	<2	U	<2	U	5.1	U	<2	U	**38**	
Toluene	150	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
trans-1,2-Dichloroethene	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
trans-1,3-Dichloropropene	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
Trichloroethene	5	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	**3.4**	
Vinyl acetate	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Vinyl chloride	0.5	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U

Bold Number = detection of analyte.

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TRC

TABLE F.1.3

GROUND WATER ANALYTICAL DATA FOR APRIL 1998
WASTE DISPOSAL, INC. SUPERFUND SITE

PARAMETERS	MAXIMUM CONTAMINANT LEVEL (MCL)	WELL IDENTIFICATION, SAMPLING DATES AND ANALYTICAL RESULTS											
VOLATILES (µg/L)	(µg/L)	GMW 26	Qual	GMW 27	Qual	GMW 28	Qual	GWM 29	Qual	GWM 30	Qual	GWM 31	Qual
1,1,1-Trichloroethane	200	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
1,1,2,2-Tetrachloroethane	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
1,1,2-Trichloroethane	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
1,1-Dichloroethane	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
1,1-Dichloroethene	6	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
1,2-Dibromoethane	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
1,2-Dichloroethane	0.5	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
1,2-Dichloropropane	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
2-Butanone	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
2-Chloroethylvinylether	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
2-Hexanone	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
4-Methyl-2-pentanone	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Acetone	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Benzene	1	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
Bromodichloromethane	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
Bromoform	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Bromomethane	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Carbon Disulfide	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Carbon Tetrachloride	0.5	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Chlorobenzene	70	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
Chloroethane	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Chloroform	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
Chloromethane	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
cis-1,2-Dichloroethene	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
cis-1,3-Dichloropropene	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
Dibromochloromethane	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
Ethylbenzene	700	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
m, p-Xylene	1,750,000	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
Methylene chloride	5	<20	U	<20	U	<20	U	<20	U	<20	U	<20	U
o-Xylene	1,750,000	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
Styrene	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
Tetrachloroethene	5	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
Toluene	750	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
trans-1,2-Dichloroethene	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
trans-1,3-Dichloropropene	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
Trichloroethene	5	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
Vinyl acetate	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Vinyl chloride	0.5	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U

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NE = none established.

TRC

TABLE F.1.4

GROUND WATER ANALYTICAL DATA FOR JULY 1998
WASTE DISPOSAL, INC. SUPERFUND SITE

PARAMETERS	MAXIMUM CONTAMINANT LEVEL (MCL)	WELL IDENTIFICATION, SAMPLING DATES AND ANALYTICAL RESULTS													
		GMW 01	Qual	GMW 02	Qual	GMW 03	Qual	GMW 04	Qual	GMW 05	Qual	GMW 06	Qual	GMW 07	Qual
VOLATILES (µg/L)	(µg/L)														
1,1,1-Trichloroethane	200	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
1,1,2,2-Tetrachloroethane	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
1,1,2-Trichloroethane	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
1,1-Dichloroethane	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
1,1-Dichloroethene	6	<2	U	<2	U	<2	U	<2	U	<2	U	<5	U	<5	U
1,2-Dibromoethane	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
1,2-Dichloroethane	0.5	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
1,2-Dichloropropane	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
2-Butanone	NE	<10	U	<10	U	<10	U	<10	U	<10	U	**10**		<10	U
2-Chloroethylvinylether	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
2-Hexanone	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
4-Methyl-2-pentanone	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Acetone	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Benzene	1	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
Bromodichloromethane	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
Bromoform	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Bromomethane	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Carbon Disulfide	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Carbon Tetrachloride	0.5	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Chlorobenzene	70	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
Chloroethane	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Chloroform	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	**4.4**	
Chloromethane	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
cis-1,2-Dichloroethene	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
cis-1,3-Dichloropropene	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
Dibromochloromethane	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
Ethylbenzene	700	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
m, p-Xylene	1,750,000	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
Methylene chloride	5	<20	U	<20	U	<20	U	<20	U	<20	U	<20	U	<20	U
o-Xylene	1,750,000	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
Styrene	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
Tetrachloroethene	5	**6**		**6**		**6**		<2	U	<2	U	<2	U	<2	U
Toluene	150	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
trans-1,2-Dichloroethene	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
trans-1,3-Dichloropropene	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
Trichloroethene	5	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
Vinyl acetate	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Vinyl chloride	0.5	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U

Bold Number = detection of analyte.

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NE = none established.

TRC

TABLE F.1.4

GROUND WATER ANALYTICAL DATA FOR JULY 1998
WASTE DISPOSAL, INC. SUPERFUND SITE

PARAMETERS	MAXIMUM CONTAMINANT LEVEL (MCL)	WELL IDENTIFICATION, SAMPLING DATES AND ANALYTICAL RESULTS													
VOLATILES (µg/L)	(ug/L)	GMW 08	Qual	GMW 09	Qual	GMW 10	Qual	GMW 11	Qual	GMW 13	Qual	GWM 14	Qual	GWM 15	Qual
1,1,1-Trichloroethane	200	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
1,1,2,2-Tetrachloroethane	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
1,1,2-Trichloroethane	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
1,1-Dichloroethane	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
1,1-Dichloroethene	6	<2	U	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
1,2-Dibromoethane	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
1,2-Dichloroethane	0.5	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
1,2-Dichloropropane	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
2-Butanone	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
2-Chloroethylvinylether	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
2-Hexanone	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
4-Methyl-2-pentanone	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Acetone	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Benzene	1	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
Bromodichloromethane	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
Bromoform	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Bromomethane	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Carbon Disulfide	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Carbon Tetrachloride	0.5	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Chlorobenzene	70	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
Chloroethane	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Chloroform	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
Chloromethane	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
cis-1,2-Dichloroethene	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
cis-1,3-Dichloropropene	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
Dibromochloromethane	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
Ethylbenzene	700	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
m, p-Xylene	1,750,000	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
Methylene chloride	5	<20	U	<20	U	<20	U	<20	U	<20	U	<20	U	<20	U
o-Xylene	1,750,000	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
Styrene	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
Tetrachloroethene	5	<2	U	**6.5**		<2	U	**86**		**6.8**		<2	U	<2	U
Toluene	150	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
trans-1,2-Dichloroethene	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
trans-1,3-Dichloropropene	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
Trichloroethene	5	<2	U	<2	U	<2	U	**9.5**		**2.4**		<2	U	<2	U
Vinyl acetate	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Vinyl chloride	0.5	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U

Bold Number = detection of analyte.

Shaded area with **bold number** = exceedance of MCL.

U = analyte not detected.

NA = analyte was not analyzed this quarter.

NE = none established.

TRC

TABLE F.1.4

GROUND WATER ANALYTICAL DATA FOR JULY 1998
WASTE DISPOSAL, INC. SUPERFUND SITE

PARAMETERS	MAXIMUM CONTAMINANT LEVEL (MCL)	WELL IDENTIFICATION, SAMPLING DATES AND ANALYTICAL RESULTS													
VOLATILES (µg/L)	(µg/L)	GWM 16	Qual	GMW 18	Qual	GMW 19	Qual	GMW 21	Qual	GWM 22	Qual	GWM 23	Qual	GWM 24	Qual
1,1,1-Trichloroethane	200	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
1,1,2,2-Tetrachloroethane	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
1,1,2-Trichloroethane	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
1,1-Dichloroethane	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
1,1-Dichloroethene	6	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
1,2-Dibromoethane	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
1,2-Dichloroethane	0.5	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
1,2-Dichloropropane	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
2-Butanone	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
2-Chloroethylvinylether	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
2-Hexanone	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
4-Methyl-2-pentanone	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Acetone	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Benzene	1	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
Bromodichloromethane	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
Bromoform	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Bromomethane	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Carbon Disulfide	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Carbon Tetrachloride	0.5	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Chlorobenzene	70	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
Chloroethane	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Chloroform	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
Chloromethane	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
cis-1,2-Dichloroethene	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
cis-1,3-Dichloropropene	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
Dibromochloromethane	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
Ethylbenzene	700	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
m, p-Xylene	1,750,000	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
Methylene chloride	5	<20	U	<20	U	<20	U	<20	U	<20	U	<20	U	<20	U
o-Xylene	1,750,000	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
Styrene	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
Tetrachloroethene	5	<2	U	<2	U	<2	U	<2	U	**4.3**		<2	U	**35**	
Toluene	150	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
trans-1,2-Dichloroethene	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
trans-1,3-Dichloropropene	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
Trichloroethene	5	<2	U	<2	U	<2	U	<2	U	**2.3**		<2	U	**3.8**	
Vinyl acetate	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Vinyl chloride	0.5	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U

Bold Number = detection of analyte.

Shaded area with **bold number** = exceedance of MCL.

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NA = analyte was not analyzed this quarter.

NE = none established.

TRC

TABLE F.1.4

GROUND WATER ANALYTICAL DATA FOR JULY 1998
WASTE DISPOSAL, INC. SUPERFUND SITE

PARAMETERS	MAXIMUM CONTAMINANT LEVEL (MCL)	WELL IDENTIFICATION, SAMPLING DATES AND ANALYTICAL RESULTS											
		GMW 26	Qual	GMW 27	Qual	GMW 28	Qual	GWM 29	Qual	GWM 30	Qual	GWM 31	Qual
VOLATILES (µg/L)	(µg/L)												
1,1,1-Trichloroethane	200	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
1,1,2,2-Tetrachloroethane	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
1,1,2-Trichloroethane	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
1,1-Dichloroethane	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
1,1-Dichloroethene	6	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
1,2-Dibromoethane	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
1,2-Dichloroethane	0.5	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
1,2-Dichloropropane	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
2-Butanone	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
2-Chloroethylvinylether	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
2-Hexanone	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
4-Methyl-2-pentanone	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Acetone	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Benzene	1	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
Bromodichloromethane	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
Bromoform	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Bromomethane	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Carbon Disulfide	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Carbon Tetrachloride	0.5	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Chlorobenzene	70	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
Chloroethane	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Chloroform	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
Chloromethane	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
cis-1,2-Dichloroethene	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
cis-1,3-Dichloropropene	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
Dibromochloromethane	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
Ethylbenzene	700	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
m, p-Xylene	1,750,000	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
Methylene chloride	5	<20	U	<20	U	<20	U	<20	U	<20	U	<20	U
o-Xylene	1,750,000	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
Styrene	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
Tetrachloroethene	5	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
Toluene	150	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
trans-1,2-Dichloroethene	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
trans-1,3-Dichloropropene	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
Trichloroethene	5	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
Vinyl acetate	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Vinyl chloride	0.5	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U

Bold Number = detection of analyte.

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U = analyte not detected.

NA = analyte was not analyzed this quarter.

NE = none established.

TRC

TABLE F.1.5

GROUND WATER ANALYTICAL DATA FOR OCTOBER 1998
WASTE DISPOSAL, INC. SUPERFUND SITE

PARAMETERS	MAXIMUM CONTAMINANT LEVEL (MCL)	WELL IDENTIFICATION, SAMPLING DATES AND ANALYTICAL RESULTS													
		GMW 01	Qual	GMW 02	Qual	GMW 03	Qual	GMW 04	Qual	GMW 05	Qual	GMW 06	Qual	GMW 07	Qual
VOLATILES (µg/L)	(µg/L)														
1,1,1-Trichloroethane	200	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
1,1,2,2-Tetrachloroethane	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
1,1,2-Trichloroethane	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
1,1-Dichloroethane	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
1,1-Dichloroethene	6	<2	U	<2	U	<2	U	<5	U	<5	U	<5	U	<5	U
1,2-Dibromoethane	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
1,2-Dichloroethane	0.5	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
1,2-Dichloropropane	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
2-Butanone	NE	<10	U	<10	U	<10	U	<5	U	<5	U	<5	U	<10	U
2-Chloroethylvinylether	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
2-Hexanone	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
4-Methyl-2-pentanone	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Acetone	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Benzene	1	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
Bromodichloromethane	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
Bromoform	NE	<5	U	<5	U	<5	U	<2	U	<2	U	<2	U	<5	U
Bromomethane	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Carbon Disulfide	NE	<5	U	<5	U	<5	U	<10	U	<10	U	<10	U	<5	U
Carbon Tetrachloride	0.5	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Chlorobenzene	70	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
Chloroethane	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Chloroform	NE	<2	U	<2	U	<2	U	<5	U	<5	U	<5	U	**3.6**	
Chloromethane	NE	<5	U	<5	U	<5	U	<2	U	<2	U	<2	U	<5	U
cis-1,2-Dichloroethene	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
cis-1,3-Dichloropropene	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
Dibromochloromethane	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
Ethylbenzene	700	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
m, p-Xylene	1,750,000	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
Methylene chloride	5	<20	U	<20	U	<20	U	<20	U	<20	U	<20	U	<20	U
o-Xylene	1,750,000	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
Styrene	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
Tetrachloroethene	5	<2	U	**4.4**		<2	U	<2	U	<2	U	<2	U	**3.8**	
Toluene	150	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
trans-1,2-Dichloroethene	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
trans-1,3-Dichloropropene	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
Trichloroethene	5	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
Vinyl acetate	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Vinyl chloride	0.5	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U

Bold Number = detection of analyte.

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NA = analyte was not analyzed this quarter.

NE = none established.

TRC

TABLE F.1.5

GROUND WATER ANALYTICAL DATA FOR OCTOBER 1998
WASTE DISPOSAL, INC. SUPERFUND SITE

PARAMETERS	MAXIMUM CONTAMINANT LEVEL (MCL)	WELL IDENTIFICATION, SAMPLING DATES AND ANALYTICAL RESULTS													
VOLATILES (µg/L)	(µg/L)	GMW 08	Qual	GMW 09	Qual	GMW 10	Qual	GMW 11	Qual	GMW 13	Qual	GWM 14	Qual	GWM 15	Qual
1,1,1-Trichloroethane	200	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
1,1,2,2-Tetrachloroethane	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
1,1,2-Trichloroethane	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
1,1-Dichloroethane	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
1,1-Dichloroethene	6	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
1,2-Dibromoethane	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
1,2-Dichloroethane	0.5	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
1,2-Dichloropropane	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
2-Butanone	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
2-Chloroethylvinylether	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
2-Hexanone	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
4-Methyl-2-pentanone	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Acetone	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Benzene	1	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
Bromodichloromethane	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
Bromoform	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Bromomethane	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Carbon Disulfide	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Carbon Tetrachloride	0.5	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Chlorobenzene	70	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
Chloroethane	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Chloroform	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
Chloromethane	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
cis-1,2-Dichloroethene	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
cis-1,3-Dichloropropene	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
Dibromochloromethane	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
Ethylbenzene	700	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
m, p-Xylene	1,750,000	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
Methylene chloride	5	<20	U	<20	U	<20	U	<20	U	<20	U	<20	U	<20	U
o-Xylene	1,750,000	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
Styrene	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
Tetrachloroethene	5	<2	U	**3.8**		<2	U	**91**		<2	U	<2	U	<2	U
Toluene	150	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
trans-1,2-Dichloroethene	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
trans-1,3-Dichloropropene	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
Trichloroethene	5	<2	U	<2	U	<2	U	**9.2**		<2	U	<2	U	<2	U
Vinyl acetate	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Vinyl chloride	0.5	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U

Bold Number = detection of analyte.

Shaded area with **bold number** = exceedance of MCL.

U = analyte not detected.

NA = analyte was not analyzed this quarter.

NE = none established.

TRC

TABLE F.1.5

GROUND WATER ANALYTICAL DATA FOR OCTOBER 1998
WASTE DISPOSAL, INC. SUPERFUND SITE

PARAMETERS	MAXIMUM CONTAMINANT LEVEL (MCL)	WELL IDENTIFICATION, SAMPLING DATES AND ANALYTICAL RESULTS													
VOLATILES (µg/L)	(µg/L)	GWM 16	Qual	GMW 18	Qual	GMW 19	Qual	GMW 21	Qual	GWM 22	Qual	GWM 23	Qual	GWM 24	Qual
1,1,1-Trichloroethane	200	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
1,1,2,2-Tetrachloroethane	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
1,1,2-Trichloromethane	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
1,1-Dichloroethane	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
1,1-Dichloroethene	6	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
1,2-Dibromoethane	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
1,2-Dichloroethane	0.5	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
1,2-Dichloropropane	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
2-Butanone	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
2-Chloroethylvinylether	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
2-Hexanone	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
4-Methyl-2-pentanone	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Acetone	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Benzene	1	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
Bromodichloromethane	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
Bromoform	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Bromomethane	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Carbon Disulfide	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Carbon Tetrachloride	0.5	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Chlorobenzene	70	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
Chloroethane	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Chloroform	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
Chloromethane	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
cis-1,2-Dichloroethene	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
cis-1,3-Dichloropropene	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
Dibromochloromethane	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
Ethylbenzene	700	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
m, p-Xylene	1,750,000	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
Methylene chloride	5	<20	U	<20	U	<20	U	<20	U	<20	U	<20	U	<20	U
o-Xylene	1,750,000	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
Styrene	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
Tetrachloroethene	5	<2	U	<2	U	<2	U	<2	U	**2.6**		<2	U	**22**	
Toluene	150	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
trans-1,2-Dichloroethene	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
trans-1,3-Dichloropropene	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
Trichloroethene	5	<2	U	<2	U	<2	U	<2	U	**2.7**		<2	U	**2.6**	
Vinyl acetate	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Vinyl chloride	0.5	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U

Bold Number = detection of analyte.

Shaded area with **bold number** = exceedance of MCL.

U = analyte not detected.

NA = analyte was not analyzed this quarter.

NE = none established.

TRC

TABLE F.1.5

GROUND WATER ANALYTICAL DATA FOR OCTOBER 1998
WASTE DISPOSAL, INC. SUPERFUND SITE

PARAMETERS	MAXIMUM CONTAMINANT LEVEL (MCL)	WELL IDENTIFICATION, SAMPLING DATES AND ANALYTICAL RESULTS											
		GMW 26	Qual	GMW 27	Qual	GMW 28	Qual	GWM 29	Qual	GWM 30	Qual	GWM 31	Qual
VOLATILES (µg/L)	(µg/L)												
1,1,1-Trichloroethane	200	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
1,1,2,2-Tetrachloroethane	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
1,1,2-Trichloroethane	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
1,1-Dichloroethane	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
1,1-Dichloroethene	6	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
1,2-Dibromoethane	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
1,2-Dichloroethane	0.5	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
1,2-Dichloropropane	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
2-Butanone	NE	<10	U	<10	U	<10	U	<5	U	<5	U	<5	U
2-Chloroethylvinylether	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
2-Hexanone	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
4-Methyl-2-pentanone	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Acetone	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Benzene	1	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
Bromodichloromethane	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
Bromoform	NE	<5	U	<5	U	<5	U	<2	U	<2	U	<2	U
Bromomethane	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Carbon Disulfide	NE	<5	U	<5	U	<5	U	<10	U	<10	U	<10	U
Carbon Tetrachloride	0.5	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Chlorobenzene	70	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
Chloroethane	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Chloroform	NE	<2	U	<2	U	<2	U	<5	U	<5	U	<5	U
Chloromethane	NE	<5	U	<5	U	<5	U	<2	U	<2	U	<2	U
cis-1,2-Dichloroethene	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
cis-1,3-Dichloropropene	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
Dibromochloromethane	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
Ethylbenzene	700	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
m, p-Xylene	1,750,000	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
Methylene chloride	5	<20	U	<20	U	<20	U	<20	U	<20	U	<20	U
o-Xylene	1,750,000	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
Styrene	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
Tetrachloroethene	5	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
Toluene	150	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
trans-1,2-Dichloroethene	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
trans-1,3-Dichloropropene	NE	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
Trichloroethene	5	<2	U	<2	U	<2	U	<2	U	<2	U	<2	U
Vinyl Acetate	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Vinyl chloride	0.5	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U

Bold Number = detection of analyte.

Shaded area with **bold number** = exceedance of MCL.

U = analyte not detected.

NA = analyte was not analyzed this quarter.

NE = none established.

TRC

TABLE F.1.6

GROUND WATER ANALYTICAL DATA FOR SEPTEMBER 1997
WASTE DISPOSAL, INC. SUPERFUND SITE

PARAMETERS	MAXIMUM CONTAMINANT LEVEL (MCL)	WELL IDENTIFICATION, SAMPLING DATES AND ANALYTICAL RESULTS											
SEMIVOLATILES (µg/L)	(µg/L)	GMW 01	Qual	GMW 02	Qual	GMW 03	Qual	GMW 04	Qual	GMW 05	Qual	GMW 06	Qual
1,2,4-Trichlorobenzene	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
1,2-Dichlorobenzene	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
1,3-Dichlorobenzene	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
1,4-Dichlorobenzene	5	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
2,4,5-Trichlorophenol	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
2,4,6-Trichlorophenol	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
2,4-Dichlorophenol	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
2,4-Dinitrophenol	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
2,4-Dinitrotoluene	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
2,6-Dinitrotoluene	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
2-Chloronaphthalene	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
2-Methylnaphthalene	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
2-Methylphenol(o-Cresol)	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
2-Nitroaniline	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
2-Nitrophenol	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
3,3-Dichlorobenzidine	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
4,6-Dinitro-2-methylphenol	NE	NA		NA		NA		NA		NA		NA	
4-Bromophenyl-phenylether	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
4-Chloro-3-methylphenol	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
4-Chloroaniline	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
4-Chlorophenyl-phenylether	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
4-Methylphenol(p-Cresol)	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
4-Nitroaniline	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Acenaphthene	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Acenaphthylene	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Anthracene	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Benz(a)anthracene	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Benzo(a)pyrene	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Benzo(b)fluoranthene	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Benzo(g,h,i)perylene	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Benzo(k)fluoranthene	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Bis(2-chloroethyl)ether	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Bis(2-chloroisopropyl)ether	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Bis(2-ethylhexyl)phthalate	NE	<10	U	<10	U	<10	U	<10	U	<10	U	3.3	U
Butylbenzylphthalate	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Chrysene	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Di-n-butylphthalate	NE	NA		NA		NA		NA		NA		NA	
Di-n-octylphthalate	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Dibenz(a,h)anthracene	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Dibenzofuran	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Dimethylphthalate	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Fluoranthene	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Fluorene	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Indeno(1,2,3-c,d)pyrene	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Isophorone	NE	<5	U	<5	U	<5	U	<5	U		U	<5	U
N-Nitroso-di-n-propylamine	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
N-Nitrosodiphenylamine	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Naphthalene	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Nitrobenzene	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Pentachlorophenol	1	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Phenanthrene	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Phenol	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Pyrene	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U

(1) GMW 09 was not sampled this quarter.

Bold Number = detection of analyte.

Shaded area with **bold number** = exceedance of MCL.

U = analyte not detected.

NA = analyte was not analyzed this quarter.

NE = none established.

TRC

TABLE F.1.6

GROUND WATER ANALYTICAL DATA FOR SEPTEMBER 1997
WASTE DISPOSAL, INC. SUPERFUND SITE

PARAMETERS	MAXIMUM CONTAMINANT LEVEL (MCL)	WELL IDENTIFICATION, SAMPLING DATES AND ANALYTICAL RESULTS											
SEMIVOLATILES (µg/L)	(µg/L)	GMW 07	Qual	GMW 08	Qual	GMW 09[1]	Qual	GMW 10	Qual	GMW 11	Qual	GMW 13	Qual
1,2,4-Trichlorobenzene	NE	<5	U	<5	U			<5	U	<5	U	<5	U
1,2-Dichlorobenzene	NE	<5	U	<5	U			<5	U	<5	U	<5	U
1,3-Dichlorobenzene	NE	<5	U	<5	U			<5	U	<5	U	<5	U
1,4-Dichlorobenzene	5	<5	U	<5	U			<5	U	<5	U	<5	U
2,4,5-Trichlorophenol	NE	<5	U	<5	U			<5	U	<5	U	<5	U
2,4,6-Trichlorophenol	NE	<5	U	<5	U			<5	U	<5	U	<5	U
2,4-Dichlorophenol	NE	<5	U	<5	U			<5	U	<5	U	<5	U
2,4-Dinitrophenol	NE	<10	U	<10	U			<10	U	<10	U	<10	U
2,4-Dinitrotoluene	NE	<5	U	<5	U			<5	U	<5	U	<5	U
2,6-Dinitrotoluene	NE	<5	U	<5	U			<5	U	<5	U	<5	U
2-Chloronaphthalene	NE	<5	U	<5	U			<5	U	<5	U	<5	U
2-Methylnaphthalene	NE	<5	U	<5	U			<5	U	<5	U	<5	U
2-Methylphenol(o-Cresol)	NE	<5	U	<5	U			<5	U	<5	U	<5	U
2-Nitroaniline	NE	<5	U	<5	U			<5	U	<5	U	<5	U
2-Nitrophenol	NE	<5	U	<5	U			<5	U	<5	U	<5	U
3,3-Dichlorobenzidine	NE	<10	U	<10	U			<10	U	<10	U	<10	U
4,6-Dinitro-2-methylphenol	NE	NA		NA				NA		NA		NA	
4-Bromophenyl-phenylether	NE	<5	U	<5	U			<5	U	<5	U	<5	U
4-Chloro-3-methylphenol	NE	<5	U	<5	U			<5	U	<5	U	<5	U
4-Chloroaniline	NE	<5	U	<5	U			<5	U	<5	U	<5	U
4-Chlorophenyl-phenylether	NE	<5	U	<5	U			<5	U	<5	U	<5	U
4-Methylphenol(p-Cresol)	NE	<10	U	<10	U			<10	U	<10	U	<10	U
4-Nitroaniline	NE	<5	U	<5	U			<5	U	<5	U	<5	U
Acenaphthene	NE	<5	U	<5	U			<5	U	<5	U	<5	U
Acenaphthylene	NE	<5	U	<5	U			<5	U	<5	U	<5	U
Anthracene	NE	<5	U	<5	U			<5	U	<5	U	<5	U
Benz(a)anthracene	NE	<5	U	<5	U			<5	U	<5	U	<5	U
Benzo(a)pyrene	NE	<5	U	<5	U			<5	U	<5	U	<5	U
Benzo(b)fluoranthene	NE	<5	U	<5	U			<5	U	<5	U	<5	U
Benzo(g,h,i)perylene	NE	<5	U	<5	U			<5	U	<5	U	<5	U
Benzo(k)fluoranthene	NE	<5	U	<5	U			<5	U	<5	U	<5	U
Bis(2-chloroethyl)ether	NE	<5	U	<5	U			<5	U	<5	U	<5	U
Bis(2-chloroisopropyl)ether	NE	<5	U	<5	U			<5	U	<5	U	<5	U
Bis(2-ethylhexyl)phthalate	NE	3.3	U	3.3	U			<10	U	<10	U	<10	U
Butylbenzylphthalate	NE	<5	U	<5	U			<5	U	<5	U	<5	U
Chrysene	NE	<5	U	<5	U			<5	U	<5	U	<5	U
Di-n-butylphthalate	NE	NA		NA				NA		NA		NA	
Di-n-octylphthalate	NE	<5	U	<5	U			<5	U	<5	U	<5	U
Dibenz(a,h)anthracene	NE	<5	U	<5	U			<5	U	<5	U	<5	U
Dibenzofuran	NE	<5	U	<5	U			<5	U	<5	U	<5	U
Dimethylphthalate	NE	<5	U	<5	U			<5	U	<5	U	<5	U
Fluoranthene	NE	<5	U	<5	U			<5	U	<5	U	<5	U
Fluorene	NE	<5	U	<5	U			<5	U	<5	U	<5	U
Indeno(1,2,3-c,d)pyrene	NE	<5	U	<5	U			<5	U	<5	U	<5	U
Isophorone	NE	<5	U	<5	U			<5	U	<5	U	<5	U
N-Nitroso-di-n-propylamine	NE	<5	U	<5	U			<5	U	<5	U	<5	U
N-Nitrosodiphenylamine	NE	<5	U	<5	U			<5	U	<5	U	<5	U
Naphthalene	NE	<5	U	<5	U			<5	U	<5	U	<5	U
Nitrobenzene	NE	<5	U	<5	U			<5	U	<5	U	<5	U
Pentachlorophenol	1	<10	U	<10	U			<10	U	<10	U	<10	U
Phenanthrene	NE	<5	U	<5	U			<5	U	<5	U	<5	U
Phenol	NE	<5	U	<5	U			<5	U	<5	U	<5	U
Pyrene	NE	<5	U	<5	U			<5	U	<5	U	<5	U

(1) GMW 09 was not sampled this quarter.

Bold Number = detection of analyte.

Shaded area with **bold number** = exceedance of MCL.

U = analyte not detected.

NA = analyte was not analyzed this quarter.

NE = none established.

TRC

TABLE F.1.6

GROUND WATER ANALYTICAL DATA FOR SEPTEMBER 1997
WASTE DISPOSAL, INC. SUPERFUND SITE

PARAMETERS	MAXIMUM CONTAMINANT LEVEL (MCL)	WELL IDENTIFICATION, SAMPLING DATES AND ANALYTICAL RESULTS											
		GWM 14	Qual	GWM 15	Qual	GWM 16	Qual	GMW 18	Qual	GMW 19	Qual	GMW 21	Qual
SEMIVOLATILES (µg/L)	(µg/L)												
1,2,4-Trichlorobenzene	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
1,2-Dichlorobenzene	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
1,3-Dichlorobenzene	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
1,4-Dichlorobenzene	5	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
2,4,5-Trichlorophenol	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
2,4,6-Trichlorophenol	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
2,4-Dichlorophenol	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
2,4-Dinitrophenol	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
2,4-Dinitrotoluene	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
2,6-Dinitrotoluene	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
2-Chloronaphthalene	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
2-Methylnaphthalene	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
2-Methylphenol(o-Cresol)	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
2-Nitroaniline	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
2-Nitrophenol	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
3,3-Dichlorobenzidine	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
4,6-Dinitro-2-methylphenol	NE	NA		NA		NA		NA		NA		NA	
4-Bromophenyl-phenylether	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
4-Chloro-3-methylphenol	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
4-Chloroaniline	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
4-Chlorophenyl-phenylether	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
4-Methylphenol(p-Cresol)	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
4-Nitroaniline	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Acenaphthene	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Acenaphthylene	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Anthracene	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Benz(a)anthracene	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Benzo(a)pyrene	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Benzo(b)fluoranthene	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Benzo(g,h,i)perylene	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Benzo(k)fluoranthene	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Bis(2-chloroethyl)ether	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Bis(2-chloroisopropyl)ether	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Bis(2-ethylhexyl)phthalate	NE	<10	U	15	U	15	U	<10	U	<10	U	<10	U
Butylbenzylphthalate	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Chrysene	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Di-n-butylphthalate	NE	NA		NA		NA		NA		NA		NA	
Di-n-octylphthalate	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Dibenz(a,h)anthracene	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Dibenzofuran	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Dimethylphthalate	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Fluoranthene	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Fluorene	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Indeno(1,2,3-c,d)pyrene	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Isophorone	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
N-Nitroso-di-n-propylamine	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
N-Nitrosodiphenylamine	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Naphthalene	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Nitrobenzene	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Pentachlorophenol	1	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Phenanthrene	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Phenol	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Pyrene	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U

(1) GMW 09 was not sampled this quarter.

Bold Number = detection of analyte.

Shaded area with **bold number** = exceedance of MCL.

U = analyte not detected.

NA = analyte was not analyzed this quarter.

NE = none established.

TRC

TABLE F.1.6

GROUND WATER ANALYTICAL DATA FOR SEPTEMBER 1997
WASTE DISPOSAL, INC. SUPERFUND SITE

PARAMETERS	MAXIMUM CONTAMINANT LEVEL (MCL)	WELL IDENTIFICATION, SAMPLING DATES AND ANALYTICAL RESULTS											
SEMIVOLATILES (ug/L)	(ug/L)	GWM 22	Qual	GWM 23	Qual	GWM 24	Qual	GMW 26	Qual	GMW 27	Qual	GMW 28	Qual
1,2,4-Trichlorobenzene	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
1,2-Dichlorobenzene	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
1,3-Dichlorobenzene	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
1,4-Dichlorobenzene	5	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
2,4,5-Trichlorophenol	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
2,4,6-Trichlorophenol	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
2,4-Dichlorophenol	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
2,4-Dinitrophenol	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
2,4-Dinitrotoluene	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
2,6-Dinitrotoluene	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
2-Chloronaphthalene	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
2-Methylnaphthalene	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
2-Methylphenol(o-Cresol)	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
2-Nitroaniline	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
2-Nitrophenol	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
3,3-Dichlorobenzidine	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
4,6-Dinitro-2-methylphenol	NE	NA		NA		NA		NA		NA		NA	
4-Bromophenyl-phenylether	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
4-Chloro-3-methylphenol	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
4-Chloroaniline	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
4-Chlorophenyl-phenylether	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
4-Methylphenol(p-Cresol)	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
4-Nitroaniline	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Acenaphthene	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Acenaphthylene	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Anthracene	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Benzo(a)anthracene	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Benzo(a)pyrene	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Benzo(b)fluoranthene	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Benzo(g,h,i)perylene	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Benzo(k)fluoranthene	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Bis(2-chloroethyl)ether	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Bis(2-chloroisopropyl)ether	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Bis(2-ethylhexyl)phthalate	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Butylbenzylphthalate	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Chrysene	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Di-n-butylphthalate	NE	NA		NA		NA		NA		NA		NA	
Di-n-octylphthalate	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Dibenz(a,h)anthracene	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Dibenzofuran	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Dimethylphthalate	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Fluoranthene	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Fluorene	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Indeno(1,2,3-c,d)pyrene	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Isophorone	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
N-Nitroso-di-n-propylamine	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
N-Nitrosodiphenylamine	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Naphthalene	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Nitrobenzene	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Pentachlorophenol	1	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Phenanthrene	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Phenol	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Pyrene	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U

(1) GMW 09 was not sampled this quarter.

Bold Number = detection of analyte.

Shaded area with **bold number** = exceedance of MCL.

U = analyte not detected.

NA = analyte was not analyzed this quarter.

NE = none established.

TRC

TABLE F.1.6

GROUND WATER ANALYTICAL DATA FOR SEPTEMBER 1997
WASTE DISPOSAL, INC. SUPERFUND SITE

PARAMETERS	MAXIMUM CONTAMINANT LEVEL (MCL)	WELL IDENTIFICATION, SAMPLING DATES AND ANALYTICAL RESULTS					
		GWM 29	Qual	GWM 30	Qual	GWM 31	Qual
SEMIVOLATILES (µg/L)	(µg/L)						
1,2,4-Trichlorobenzene	NE	<5	U	<5	U	<5	U
1,2-Dichlorobenzene	NE	<5	U	<5	U	<5	U
1,3-Dichlorobenzene	NE	<5	U	<5	U	<5	U
1,4-Dichlorobenzene	5	<5	U	<5	U	<5	U
2,4,5-Trichlorophenol	NE	<5	U	<5	U	<5	U
2,4,6-Trichlorophenol	NE	<5	U	<5	U	<5	U
2,4-Dichlorophenol	NE	<5	U	<5	U	<5	U
2,4-Dinitrophenol	NE	<10	U	<10	U	<10	U
2,4-Dinitrotoluene	NE	<5	U	<5	U	<5	U
2,6-Dinitrotoluene	NE	<5	U	<5	U	<5	U
2-Chloronaphthalene	NE	<5	U	<5	U	<5	U
2-Methylnaphthalene	NE	<5	U	<5	U	<5	U
2-Methylphenol(o-Cresol)	NE	<5	U	<5	U	<5	U
2-Nitroaniline	NE	<5	U	<5	U	<5	U
2-Nitrophenol	NE	<5	U	<5	U	<5	U
3,3-Dichlorobenzidine	NE	<10	U	<10	U	<10	U
4,6-Dinitro-2-methylphenol	NE	NA		NA		NA	
4-Bromophenyl-phenylether	NE	<5	U	<5	U	<5	U
4-Chloro-3-methylphenol	NE	<5	U	<5	U	<5	U
4-Chloroaniline	NE	<5	U	<5	U	<5	U
4-Chlorophenyl-phenylether	NE	<5	U	<5	U	<5	U
4-Methylphenol(p-Cresol)	NE	<10	U	<10	U	<10	U
4-Nitroaniline	NE	<5	U	<5	U	<5	U
Acenaphthene	NE	<5	U	<5	U	<5	U
Acenaphthylene	NE	<5	U	<5	U	<5	U
Anthracene	NE	<5	U	<5	U	<5	U
Benz(a)anthracene	NE	<5	U	<5	U	<5	U
Benzo(a)pyrene	NE	<5	U	<5	U	<5	U
Benzo(b)fluoranthene	NE	<5	U	<5	U	<5	U
Benzo(g,h,i)perylene	NE	<5	U	<5	U	<5	U
Benzo(k)fluoranthene	NE	<5	U	<5	U	<5	U
Bis(2-chloroethyl)ether	NE	<5	U	<5	U	<5	U
Bis(2-chloroisopropyl)ether	NE	<5	U	<5	U	<5	U
Bis(2-ethylhexyl)phthalate	NE	<10	U	<10	U	10	U
Butylbenzylphthalate	NE	<5	U	<5	U	<5	U
Chrysene	NE	<5	U	<5	U	<5	U
Di-n-butylphthalate	NE	NA		NA		NA	
Di-n-octylphthalate	NE	<5	U	<5	U	<5	U
Dibenz(a,h)anthracene	NE	<5	U	<5	U	<5	U
Dibenzofuran	NE	<5	U	<5	U	<5	U
Dimethylphthalate	NE	<5	U	<5	U	<5	U
Fluoranthene	NE	<5	U	<5	U	<5	U
Fluorene	NE	<5	U	<5	U	<5	U
Indeno(1,2,3-c,d)pyrene	NE	<5	U	<5	U	<5	U
Isophorone	NE	<5	U	<5	U	<5	U
N-Nitroso-di-n-propylamine	NE	<5	U	<5	U	<5	U
N-Nitrosodiphenylamine	NE	<5	U	<5	U	<5	U
Naphthalene	NE	<5	U	<5	U	<5	U
Nitrobenzene	NE	<5	U	<5	U	<5	U
Pentachlorophenol	1	NA		NA	U	<10	U
Phenanthrene	NE	<5	U	<5	U	<5	U
Phenol	NE	NA		NA	U	<5	U
Pyrene	NE	<5	U	<5	U	<5	U

94-256 Reports/ReDelaSuRe (Rev 1/Tbls&Figs/Misc Tbls) (8/9/99/mc)

(1) GMW 09 was not sampled this quarter.

Bold Number = detection of analyte.

Shaded area with **bold number** = exceedance of MCL.

U = analyte not detected.

NA = analyte was not analyzed this quarter.

NE = none established.

TRC

TABLE F.1.7

GROUND WATER ANALYTICAL DATA FOR FEBRUARY 1998
WASTE DISPOSAL, INC. SUPERFUND SITE

PARAMETERS	MAXIMUM CONTAMINANT LEVEL (MCL)	WELL IDENTIFICATION, SAMPLING DATES AND ANALYTICAL RESULTS											
SEMIVOLATILES (µg/L)	(µg/L)	GMW 01[1]	Qual	GMW 02	Qual	GMW 03	Qual	GMW 04	Qual	GMW 05	Qual	GMW 06	Qual
1,2,4-Trichlorobenzene	NE			<5	U	<5	U	<5	U	<5	U	<5	U
1,2-Dichlorobenzene	NE			<5	U	<5	U	<5	U	<5	U	<5	U
1,3-Dichlorobenzene	NE			<5	U	<5	U	<5	U	<5	U	<5	U
1,4-Dichlorobenzene	5			<5	U	<5	U	<5	U	<5	U	<5	U
2,4,5-Trichlorophenol	NE			<5	U	<5	U	<5	U	<5	U	<5	U
2,4,6-Trichlorophenol	NE			<5	U	<5	U	<5	U	<5	U	<5	U
2,4-Dichlorophenol	NE			<5	U	<5	U	<5	U	<5	U	<5	U
2,4-Dinitrophenol	NE			<10	U	<10	U	<10	U	<10	U	<10	U
2,4-Dinitrotoluene	NE			<5	U	<5	U	<5	U	<5	U	<5	U
2,6-Dinitrotoluene	NE			<5	U	<5	U	<5	U	<5	U	<5	U
2-Chloronaphthalene	NE			<5	U	<5	U	<5	U	<5	U	<5	U
2-Methylnaphthalene	NE			<5	U	<5	U	<5	U	<5	U	<5	U
2-Methylphenol(o-Cresol)	NE			<5	U	<5	U	<5	U	<5	U	<5	U
2-Nitroaniline	NE			<5	U	<5	U	<5	U	<5	U	<5	U
2-Nitrophenol	NE			<5	U	<5	U	<5	U	<5	U	<5	U
3,3-Dichlorobenzidine	NE			<10	U	<10	U	<10	U	<10	U	<10	U
4,6-Dinitro-2-methylphenol	NE			NA		NA		NA		NA		NA	
4-Bromophenyl-phenylether	NE			<5	U	<5	U	<5	U	<5	U	<5	U
4-Chloro-3-methylphenol	NE			<5	U	<5	U	<5	U	<5	U	<5	U
4-Chloroaniline	NE			<5	U	<5	U	<5	U	<5	U	<5	U
4-Chlorophenyl-phenylether	NE			<5	U	<5	U	<5	U	<5	U	<5	U
4-Methylphenol(p-Cresol)	NE			<10	U	<10	U	<10	U	<10	U	<10	U
4-Nitroaniline	NE			<5	U	<5	U	<5	U	<5	U	<5	U
Acenaphthene	NE			<5	U	<5	U	<5	U	<5	U	<5	U
Acenaphthylene	NE			<5	U	<5	U	<5	U	<5	U	<5	U
Anthracene	NE			<5	U	<5	U	<5	U	<5	U	<5	U
Benz(a)anthracene	NE			<5	U	<5	U	<5	U	<5	U	<5	U
Benzo(a)pyrene	NE			<5	U	<5	U	<5	U	<5	U	<5	U
Benzo(b)fluoranthene	NE			<5	U	<5	U	<5	U	<5	U	<5	U
Benzo(g,h,i)perylene	NE			<5	U	<5	U	<5	U	<5	U	<5	U
Benzo(k)fluoranthene	NE			<5	U	<5	U	<5	U	<5	U	<5	U
Bis(2-chloroethyl)ether	NE			<5	U	<5	U	<5	U	<5	U	<5	U
Bis(2-chloroisopropyl)ether	NE			<5	U	<5	U	<5	U	<5	U	<5	U
Bis(2-ethylhexyl)phthalate	NE			<10	U	<10	U	<10	U	<10	U	<10	U
Butylbenzylphthalate	NE			<5	U	<5	U	<5	U	<5	U	<5	U
Chrysene	NE			<5	U	<5	U	<5	U	<5	U	<5	U
Di-n-butylphthalate	NE			NA		NA		NA		NA		NA	
Di-n-octylphthalate	NE			<5	U	<5	U	<5	U	<5	U	<5	U
Dibenz(a,h)anthracene	NE			<5	U	<5	U	<5	U	<5	U	<5	U
Dibenzofuran	NE			<5	U	<5	U	<5	U	<5	U	<5	U
Dimethylphthalate	NE			<5	U	<5	U	<5	U	<5	U	<10	U
Fluoranthene	NE			<5	U	<5	U	<5	U	<5	U	<5	U
Fluorene	NE			<5	U	<5	U	<5	U	<5	U	<5	U
Indeno(1,2,3-c,d)pyrene	NE			<5	U	<5	U	<5	U	<5	U	<5	U
Isophorone	NE			<5	U	<5	U	<5	U	NA		<5	U
N-Nitroso-di-n-propylamine	NE			<5	U	<5	U	<5	U	<5	U	<5	U
N-Nitrosodiphenylamine	NE			<5	U	<5	U	<5	U	<5	U	<5	U
Naphthalene	NE			<5	U	<5	U	<5	U	<5	U	<5	U
Nitrobenzene	NE			<5	U	<5	U	<5	U	<5	U	<5	U
Pentachlorophenol	1			<5	U	<10	U	<10	U	<10	U	<10	U
Phenanthrene	NE			<5	U	<5	U	<5	U	<5	U	<5	U
Phenol	NE			<5	U	<5	U	<5	U	<5	U	<5	U
Pyrene	NE			<5	U	<5	U	<5	U	<5	U	<5	U

[1] GMW 01, 08 and 09 were not tested for semivolatiles this quarter.

Bold Number = detection of analyte.

Shaded area with **bold number** = exceedance of MCL.

U = analyte not detected.

NA = analyte was not analyzed this quarter.

NE = none established.

TRC

TABLE F.1.7

GROUND WATER ANALYTICAL DATA FOR FEBRUARY 1998
WASTE DISPOSAL, INC. SUPERFUND SITE

PARAMETERS	MAXIMUM CONTAMINANT LEVEL (MCL)	WELL IDENTIFICATION, SAMPLING DATES AND ANALYTICAL RESULTS											
SEMIVOLATILES (µg/L)	(µg/L)	GMW 07	Qual	GMW 08[1]	Qual	GMW 09[1]	Qual	GMW 10	Qual	GMW 11	Qual	GMW 13	Qual
1,2,4-Trichlorobenzene	NE	<5	U					<5	U	<5	U	<5	U
1,2-Dichlorobenzene	NE	<5	U					<5	U	<5	U	<5	U
1,3-Dichlorobenzene	NE	<5	U					<5	U	<5	U	<5	U
1,4-Dichlorobenzene	5	<5	U					<5	U	<5	U	<5	U
2,4,5-Trichlorophenol	NE	<5	U					<5	U	<5	U	<5	U
2,4,6-Trichlorophenol	NE	<5	U					<5	U	<5	U	<5	U
2,4-Dichlorophenol	NE	<5	U					<5	U	<5	U	<5	U
2,4-Dinitrophenol	NE	<10	U					<10	U	<10	U	<10	U
2,4-Dinitrotoluene	NE	<5	U					<5	U	<5	U	<5	U
2,6-Dinitrotoluene	NE	<5	U					<5	U	<5	U	<5	U
2-Chloronaphthalene	NE	<5	U					<5	U	<5	U	<5	U
2-Methylnaphthalene	NE	<5	U					<5	U	<5	U	<5	U
2-Methylphenol(o-Cresol)	NE	<5	U					<5	U	<5	U	<5	U
2-Nitroaniline	NE	<5	U					<5	U	<5	U	<5	U
2-Nitrophenol	NE	<5	U					<5	U	<5	U	<5	U
3,3-Dichlorobenzidine	NE	<10	U					<10	U	<10	U	<10	U
4,6-Dinitro-2-methylphenol	NE	NA						NA		NA		NA	
4-Bromophenyl-phenylether	NE	<5	U					<5	U	<5	U	<5	U
4-Chloro-3-methylphenol	NE	<5	U					<5	U	<5	U	<5	U
4-Chloroaniline	NE	<5	U					<5	U	<5	U	<5	U
4-Chlorophenyl-phenylether	NE	<5	U					<5	U	<5	U	<5	U
4-Methylphenol(p-Cresol)	NE	<10	U					<10	U	<10	U	<10	U
4-Nitroaniline	NE	<5	U					<5	U	<5	U	<5	U
Acenaphthene	NE	<5	U					<5	U	<5	U	<5	U
Acenaphthylene	NE	<5	U					<5	U	<5	U	<5	U
Anthracene	NE	<5	U					<5	U	<5	U	<5	U
Benz(a)anthracene	NE	<5	U					<5	U	<5	U	<5	U
Benzo(a)pyrene	NE	<5	U					<5	U	<5	U	<5	U
Benzo(b)fluoranthene	NE	<5	U					<5	U	<5	U	<5	U
Benzo(g,h,i)perylene	NE	<5	U					<5	U	<5	U	<5	U
Benzo(k)fluoranthene	NE	<5	U					<5	U	<5	U	<5	U
Bis(2-chloroethyl)ether	NE	<5	U					<5	U	<5	U	<5	U
Bis(2-chloroisopropyl)ether	NE	<5	U					<5	U	<5	U	<5	U
Bis(2-ethylhexyl)phthalate	NE	<10	U					<10	U	<10	U	<10	U
Butylbenzylphthalate	NE	<5	U					<5	U	<5	U	<5	U
Chrysene	NE	<5	U					<5	U	<5	U	<5	U
Di-n-butylphthalate	NE	NA						NA		NA		NA	
Di-n-octylphthalate	NE	<5	U					<5	U	<5	U	<5	U
Dibenz(a,h)anthracene	NE	<5	U					<5	U	<5	U	<5	U
Dibenzofuran	NE	<5	U					<5	U	<5	U	<5	U
Dimethylphthalate	NE	<5	U					<5	U	<5	U	<5	U
Fluoranthene	NE	<5	U					<5	U	<5	U	<5	U
Fluorene	NE	<5	U					<5	U	<5	U	<5	U
Indeno(1,2,3-c,d)pyrene	NE	<5	U					<5	U	<5	U	<5	U
Isophorone	NE	<5	U					<5	U	<5	U	<5	U
N-Nitroso-di-n-propylamine	NE	<5	U					<5	U	<5	U	<5	U
N-Nitrosodiphenylamine	NE	<5	U					<5	U	<5	U	<5	U
Naphthalene	NE	<5	U					<5	U	<5	U	<5	U
Nitrobenzene	NE	<5	U					<5	U	<5	U	<5	U
Pentachlorophenol	1	<10	U					<10	U	<10	U	<10	U
Phenanthrene	NE	<5	U					<5	U	<5	U	<5	U
Phenol	NE	<5	U					<5	U	<5	U	<5	U
Pyrene	NE	<5	U					<5	U	<5	U	<5	U

[1] GMW 01, 08 and 09 were not tested for semivolatiles this quarter.

Bold Number = detection of analyte.

Shaded area with **bold number** = exceedance of MCL.

U = analyte not detected.

NA = analyte was not analyzed this quarter.

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TRC

TABLE F.1.7

GROUND WATER ANALYTICAL DATA FOR FEBRUARY 1998
WASTE DISPOSAL, INC. SUPERFUND SITE

PARAMETERS	MAXIMUM CONTAMINANT LEVEL (MCL)	WELL IDENTIFICATION, SAMPLING DATES AND ANALYTICAL RESULTS											
SEMIVOLATILES (µg/L)	(µg/L)	GWM 14	Qual	GWM 15	Qual	GWM 16	Qual	GMW 18	Qual	GMW 19	Qual	GMW 21	Qual
1,2,4-Trichlorobenzene	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
1,2-Dichlorobenzene	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
1,3-Dichlorobenzene	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
1,4-Dichlorobenzene	5	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
2,4,5-Trichlorophenol	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
2,4,6-Trichlorophenol	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
2,4-Dichlorophenol	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
2,4-Dinitrophenol	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
2,4-Dinitrotoluene	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
2,6-Dinitrotoluene	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
2-Chloronaphthalene	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
2-Methylnaphthalene	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
2-Methylphenol(o-Cresol)	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
2-Nitroaniline	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
2-Nitrophenol	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
3,3-Dichlorobenzidine	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
4,6-Dinitro-2-methylphenol	NE	NA		NA		NA		NA		NA		NA	
4-Bromophenyl-phenylether	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
4-Chloro-3-methylphenol	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
4-Chloroaniline	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
4-Chlorophenyl-phenylether	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
4-Methylphenol(p-Cresol)	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
4-Nitroaniline	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Acenaphthene	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Acenaphthylene	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Anthracene	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Benz(a)anthracene	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Benzo(a)pyrene	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Benzo(b)fluoranthene	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Benzo(g,h,i)perylene	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Benzo(k)fluoranthene	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Bis(2-chloroethyl)ether	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Bis(2-chloroisopropyl)ether	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Bis(2-ethylhexyl)phthalate	NE	<10	U	<10	U	15	U	<10	U	<10	U	<10	U
Butylbenzylphthalate	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Chrysene	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Di-n-butylphthalate	NE	NA		NA		NA		NA		NA		NA	
Di-n-octylphthalate	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Dibenz(a,h)anthracene	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Dibenzofuran	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Dimethylphthalate	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Fluoranthene	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Fluorene	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Indeno(1,2,3-c,d)pyrene	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Isophorone	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
N-Nitroso-di-n-propylamine	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
N-Nitrosodiphenylamine	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Naphthalene	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Nitrobenzene	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Pentachlorophenol	1	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Phenanthrene	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Phenol	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Pyrene	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U

(1) GMW 01, 08 and 09 were not tested for semivolatiles this quarter.

Bold Number = detection of analyte.

Shaded area with **bold number** = exceedance of MCL.

U = analyte not detected.

NA = analyte was not analyzed this quarter.

NE = none established.

TRC

TABLE F.1.7

GROUND WATER ANALYTICAL DATA FOR FEBRUARY 1998
WASTE DISPOSAL, INC. SUPERFUND SITE

PARAMETERS	MAXIMUM CONTAMINANT LEVEL (MCL)	WELL IDENTIFICATION, SAMPLING DATES AND ANALYTICAL RESULTS											
SEMIVOLATILES (µg/L)	(µg/L)	GWM 22	Qual	GWM 23	Qual	GWM 24	Qual	GMW 26	Qual	GMW 27	Qual	GMW 28	Qual
1,2,4-Trichlorobenzene	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
1,2-Dichlorobenzene	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
1,3-Dichlorobenzene	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
1,4-Dichlorobenzene	5	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
2,4,5-Trichlorophenol	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
2,4,6-Trichlorophenol	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
2,4-Dichlorophenol	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
2,4-Dinitrophenol	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
2,4-Dinitrotoluene	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
2,6-Dinitrotoluene	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
2-Chloronaphthalene	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
2-Methylnaphthalene	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
2-Methylphenol(o-Cresol)	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
2-Nitroaniline	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
2-Nitrophenol	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
3,3-Dichlorobenzidine	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
4,6-Dinitro-2-methylphenol	NE	NA		NA		NA		NA		NA		NA	
4-Bromophenyl-phenylether	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
4-Chloro-3-methylphenol	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
4-Chloroaniline	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
4-Chlorophenyl-phenylether	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
4-Methylphenol(p-Cresol)	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
4-Nitroaniline	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Acenaphthene	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Acenaphthylene	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Anthracene	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Benz(a)anthracene	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Benzo(a)pyrene	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Benzo(b)fluoranthene	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Benzo(g,h,i)perylene	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Benzo(k)fluoranthene	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Bis(2-chloroethyl)ether	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Bis(2-chloroisopropyl)ether	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Bis(2-ethylhexyl)phthalate	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Butylbenzylphthalate	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Chrysene	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Di-n-butylphthalate	NE	NA		NA		NA		NA		NA		NA	
Di-n-octylphthalate	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Dibenz(a,h)anthracene	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Dibenzofuran	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Dimethylphthalate	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Fluoranthene	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Fluorene	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Indeno(1,2,3-c,d)pyrene	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Isophorone	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
N-Nitroso-di-n-propylamine	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
N-Nitrosodiphenylamine	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Naphthalene	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Nitrobenzene	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Pentachlorophenol	1	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Phenanthrene	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Phenol	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U
Pyrene	NE	<5	U	<5	U	<5	U	<5	U	<5	U	<5	U

(1) GMW 01, 08 and 09 were not tested for semivolatiles this quarter.

Bold Number = detection of analyte.

Shaded area with **bold number** = exceedance of MCL.

U = analyte not detected.

NA = analyte was not analyzed this quarter.

NE = none established.

TRC

TABLE F.1.7

GROUND WATER ANALYTICAL DATA FOR FEBRUARY 1998
WASTE DISPOSAL, INC. SUPERFUND SITE

PARAMETERS	MAXIMUM CONTAMINANT LEVEL (MCL)	WELL IDENTIFICATION, SAMPLING DATES AND ANALYTICAL RESULTS					
		GWM 29	Qual	GWM 30	Qual	GWM 31	Qual
SEMIVOLATILES (µg/L)	(µg/L)						
1,2,4-Trichlorobenzene	NE	<5	U	<5	U	<5	U
1,2-Dichlorobenzene	NE	<5	U	<5	U	<5	U
1,3-Dichlorobenzene	NE	<5	U	<5	U	<5	U
1,4-Dichlorobenzene	5	<5	U	<5	U	<5	U
2,4,5-Trichlorophenol	NE	<5	U	<5	U	<5	U
2,4,6-Trichlorophenol	NE	<5	U	<5	U	<5	U
2,4-Dichlorophenol	NE	<5	U	<5	U	<5	U
2,4-Dinitrophenol	NE	<10	U	<10	U	<10	U
2,4-Dinitrotoluene	NE	<5	U	<5	U	<5	U
2,6-Dinitrotoluene	NE	<5	U	<5	U	<5	U
2-Chloronaphthalene	NE	<5	U	<5	U	<5	U
2-Methylnaphthalene	NE	<5	U	<5	U	<5	U
2-Methylphenol(o-Cresol)	NE	<5	U	<5	U	<5	U
2-Nitroaniline	NE	<5	U	<5	U	<5	U
2-Nitrophenol	NE	<5	U	<5	U	<5	U
3,3-Dichlorobenzidine	NE	<10	U	<10	U	<10	U
4,6-Dinitro-2-methylphenol	NE	NA		NA		NA	
4-Bromophenyl-phenylether	NE	<5	U	<5	U	<5	U
4-Chloro-3-methylphenol	NE	<5	U	<5	U	<5	U
4-Chloroaniline	NE	<5	U	<5	U	<5	U
4-Chlorophenyl-phenylether	NE	<5	U	<5	U	<5	U
4-Methylphenol(p-Cresol)	NE	<10	U	<10	U	<10	U
4-Nitroaniline	NE	<5	U	<5	U	<5	U
Acenaphthene	NE	<5	U	<5	U	<5	U
Acenaphthylene	NE	<5	U	<5	U	<5	U
Anthracene	NE	<5	U	<5	U	<5	U
Benz(a)anthracene	NE	<5	U	<5	U	<5	U
Benzo(a)pyrene	NE	<5	U	<5	U	<5	U
Benzo(b)fluoranthene	NE	<5	U	<5	U	<5	U
Benzo(g,h,i)perylene	NE	<5	U	<5	U	<5	U
Benzo(k)fluoranthene	NE	<5	U	<5	U	<5	U
Bis(2-chloroethyl)ether	NE	<5	U	<5	U	<5	U
Bis(2-chloroisopropyl)ether	NE	<5	U	<5	U	<5	U
Bis(2-ethylhexyl)phthalate	NE	<10	U	<10	U	<10	U
Butylbenzylphthalate	NE	<5	U	<5	U	<5	U
Chrysene	NE	<5	U	<5	U	<5	U
Di-n-butylphthalate	NE	NA		NA		NA	
Di-n-octylphthalate	NE	<5	U	<5	U	<5	U
Dibenz(a,h)anthracene	NE	<5	U	<5	U	<5	U
Dibenzofuran	NE	<5	U	<5	U	<5	U
Dimethylphthalate	NE	<5	U	<5	U	<5	U
Fluoranthene	NE	<5	U	<5	U	<5	U
Fluorene	NE	<5	U	<5	U	<5	U
Indeno(1,2,3-c,d)pyrene	NE	<5	U	<5	U	<5	U
Isophorone	NE	<5	U	<5	U	<5	U
N-Nitroso-di-n-propylamine	NE	<5	U	<5	U	<5	U
N-Nitrosodiphenylamine	NE	<5	U	<5	U	<5	U
Naphthalene	NE	<5	U	<5	U	<5	U
Nitrobenzene	NE	<5	U	<5	U	<5	U
Pentachlorophenol	1	NA	U	<10	U	<10	U
Phenanthrene	NE	<5	U	<5	U	<5	U
Phenol	NE	NA	U	<5	U	<5	U
Pyrene	NE	<5	U	<5	U	<5	U

94-256 Reports/ReDelnSuRe (Rev 1/Tbls&Figs/Misc Tbls) (BAWWinc)

(1) GMW 01, 08 and 09 were not tested for semivolatiles this quarter.

Bold Number = detection of analyte.

Shaded area with **bold number** = exceedance of MCL.

U = analyte not detected.

NA = analyte was not analyzed this quarter.

NE = none established.

TRC

TABLE F.1.8

GROUND WATER ANALYTICAL DATA FOR APRIL 1998
WASTE DISPOSAL, INC. SUPERFUND SITE

PARAMETERS	MAXIMUM CONTAMINANT LEVEL (MCL)	WELL IDENTIFICATION, SAMPLING DATES AND ANALYTICAL RESULTS											
SEMIVOLATILES (µg/L)	(µg/L)	GMW 01	Qual	GMW 02	Qual	GMW 03	Qual	GMW 04	Qual	GMW 05	Qual	GMW 06	Qual
1,2,4-Trichlorobenzene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
1,2-Dichlorobenzene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
1,3-Dichlorobenzene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
1,4-Dichlorobenzene	5	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
2,4,5-Trichlorophenol	NE	<20	U	<20	U	<20	U	<20	U	<20	U	<20	U
2,4,6-Trichlorophenol	NE	<20	U	<20	U	<20	U	<20	U	<20	U	<20	U
2,4-Dichlorophenol	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
2,4-Dinitrophenol	NE	<100	U	NA		NA		<100	U	NA		NA	
2,4-Dinitrotoluene	NE	<10	U	<10	U	**10**		**10**		<10	U	**10**	
2,6-Dinitrotoluene	NE	<10	U	<10	U	**10**		**10**		<10	U	**10**	
2-Chloronaphthalene	NE	<10	U	<10	U	**10**		**10**		<10	U	**10**	
2-Methylnaphthalene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
2-Methylphenol(o-Cresol)	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
2-Nitroaniline	NE	<20	U	<20	U	<20	U	<20	U	<20	U	<20	U
2-Nitrophenol	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
3,3-Dichlorobenzidine	NE	<40	U	<40	U	<40	U	<40	U	<40	U	<40	U
4,6-Dinitro-2-methylphenol	NE	<40	U	<40	U	<40	U	<40	U	<40	U	<40	U
4-Bromophenyl-phenylether	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
4-Chloro-3-methylphenol	NE	<20	U	<20	U	<20	U	<20	U	<20	U	<20	U
4-Chloroaniline	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
4-Chlorophenyl-phenylether	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
4-Methylphenol(p-Cresol)	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
4-Nitroaniline	NE	<100	U	<100	U	<100	U	<100	U	<100	U	<100	U
Acenaphthene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Acenaphthylene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Anthracene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Benz(a)anthracene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Benzo(a)pyrene	NE	<10	U	<10	U	< 10	U	<10	U	<10	U	<10	U
Benzo(b)fluoranthene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Benzo(g,h,i)perylene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Benzo(k)fluoranthene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Bis(2-chloroethyl)ether	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Bis(2-chloroisopropyl)ether	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Bis(2-ethylhexyl)phthalate	NE	<100	U	<100	U	<100	U	<100	U	<100	U	<100	U
Butylbenzylphthalate	NE	<20	U	<20	U	<20	U	<20	U	<20	U	<20	U
Chrysene	NE	<10	U	<10	U	<10	U	NA		NA		NA	
Di-n-butylphthalate	NE	NA		<20	U	<20	U	<20	U	<20	U	<20	U
Di-n-octylphthalate	NE	<40	U	<40	U	<40	U	<40	U	<40	U	<40	U
Dibenz(a,h)anthracene	NE	<20	U	<20	U	<20	U	<20	U	<20	U	<20	U
Dibenzofuran	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Dimethylphthalate	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Fluoranthene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Fluorene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Indeno(1,2,3-c,d)pyrene	NE	<20	U	<20	U	<20	U	<20	U	<20	U	<20	U
Isophorone	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
N-Nitroso-di-n-propylamine	NE	<10	U	NA		NA		<10	U	NA		NA	
N-Nitrosodiphenylamine	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Naphthalene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Nitrobenzene	NE	<40	U	<40	U	<40	U	<40	U	<40	U	<40	U
Pentachlorophenol	1	<40	U	<40	U	<40	U	<40	U	<40	U	<40	U
Phenanthrene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Phenol	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Pyrene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U

Bold Number = detection of analyte.
Shaded area with **bold number** = exceedance of MCL.
U = analyte not detected.
NA = analyte was not analyzed this quarter.
NE = none established.

TRC

TABLE F.1.8

GROUND WATER ANALYTICAL DATA FOR APRIL 1998
WASTE DISPOSAL, INC. SUPERFUND SITE

PARAMETERS	MAXIMUM CONTAMINANT LEVEL (MCL)	WELL IDENTIFICATION, SAMPLING DATES AND ANALYTICAL RESULTS											
SEMIVOLATILES (µg/L)	(µg/L)	GMW 07	Qual	GMW 08	Qual	GMW 09	Qual	GMW 10	Qual	GMW 11	Qual	GMW 13	Qual
1,2,4-Trichlorobenzene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
1,2-Dichlorobenzene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
1,3-Dichlorobenzene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
1,4-Dichlorobenzene	5	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
2,4,5-Trichlorophenol	NE	<20	U	<20	U	<20	U	<20	U	<20	U	<20	U
2,4,6-Trichlorophenol	NE	<20	U	<20	U	<20	U	<20	U	<20	U	<20	U
2,4-Dichlorophenol	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
2,4-Dinitrophenol	NE	NA		NA		NA		NA		NA		NA	
2,4-Dinitrotoluene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
2,6-Dinitrotoluene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
2-Chloronaphthalene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
2-Methylnaphthalene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
2-Methylphenol(o-Cresol)	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
2-Nitroaniline	NE	<20	U	<20	U	<20	U	<20	U	<20	U	<20	U
2-Nitrophenol	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
3,3-Dichlorobenzidine	NE	<40	U	<40	U	<40	U	<40	U	<40	U	<40	U
4,6-Dinitro-2-methylphenol	NE	<40	U	<40	U	<40	U	<40	U	<40	U	<40	U
4-Bromophenyl-phenylether	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
4-Chloro-3-methylphenol	NE	<20	U	<20	U	<20	U	<20	U	<20	U	<20	U
4-Chloroaniline	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
4-Chlorophenyl-phenylether	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
4-Methylphenol(p-Cresol)	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
4-Nitroaniline	NE	<100	U	<100	U	<100	U	<100	U	<100	U	<100	U
Acenaphthene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Acenaphthylene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Anthracene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Benz(a)anthracene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Benzo(a)pyrene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Benzo(b)fluoranthene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Benzo(g,h,i)perylene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Benzo(k)fluoranthene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Bis(2-chloroethyl)ether	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Bis(2-chloroisopropyl)ether	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Bis(2-ethylhexyl)phthalate	NE	<100	U	<100	U	<100	U	<100	U	<100	U	<100	U
Butylbenzylphthalate	NE	<20	U	<20	U	<20	U	<20	U	<20	U	<20	U
Chrysene	NE	NA		<10	U	NA		NA		NA		NA	
Di-n-butylphthalate	NE	<20	U	<20	U	<20	U	<20	U	<20	U	<20	U
Di-n-octylphthalate	NE	<40	U	<40	U	<40	U	<40	U	<40	U	<40	U
Dibenz(a,h)anthracene	NE	<20	U	<20	U	<20	U	<20	U	<20	U	<20	U
Dibenzofuran	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Dimethylphthalate	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Fluoranthene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Fluorene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Indeno(1,2,3-c,d)pyrene	NE	<20	U	<20	U	<20	U	<20	U	<20	U	<20	U
Isophorone	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
N-Nitroso-di-n-propylamine	NE	NA		NA		NA		NA		NA		NA	
N-Nitrosodiphenylamine	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Naphthalene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Nitrobenzene	NE	<40	U	<40	U	<40	U	<40	U	<40	U	<40	U
Pentachlorophenol	1	<40	U	<40	U	<40	U	<40	U	<40	U	<40	U
Phenanthrene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Phenol	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Pyrene	NE	<10	U	<10	U	NA		NA		NA		NA	

Bold Number = detection of analyte.

Shaded area with **bold number** = exceedance of MCL.

U = analyte not detected.

NA = analyte was not analyzed this quarter.

NE = none established.

TRC

TABLE F.1.8

GROUND WATER ANALYTICAL DATA FOR APRIL 1998
WASTE DISPOSAL, INC. SUPERFUND SITE

PARAMETERS	MAXIMUM CONTAMINANT LEVEL (MCL)	WELL IDENTIFICATION, SAMPLING DATES AND ANALYTICAL RESULTS											
SEMIVOLATILES (µg/L)	(µg/L)	GWM 14	Qual	GWM 15	Qual	GWM 16	Qual	GMW 18	Qual	GMW 19	Qual	GMW 21	Qual
1,2,4-Trichlorobenzene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
1,2-Dichlorobenzene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
1,3-Dichlorobenzene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
1,4-Dichlorobenzene	5	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
2,4,5-Trichlorophenol	NE	<20	U	<20	U	<20	U	<20	U	<20	U	<20	U
2,4,6-Trichlorophenol	NE	<20	U	<20	U	<20	U	<20	U	<20	U	<20	U
2,4-Dichlorophenol	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
2,4-Dinitrophenol	NE	NA		NA		NA		NA		NA		NA	
2,4-Dinitrotoluene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
2,6-Dinitrotoluene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
2-Chloronaphthalene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
2-Methylnaphthalene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
2-Methylphenol(o-Cresol)	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
2-Nitroaniline	NE	<20	U	<20	U	<20	U	<20	U	<20	U	<20	U
2-Nitrophenol	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
3,3-Dichlorobenzidine	NE	<40	U	<40	U	<40	U	<40	U	<40	U	<40	U
4,6-Dinitro-2-methylphenol	NE	<40	U	<40	U	<40	U	<40	U	<40	U	<40	U
4-Bromophenyl-phenylether	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
4-Chloro-3-methylphenol	NE	<20	U	<20	U	<20	U	<20	U	<20	U	<20	U
4-Chloroaniline	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
4-Chlorophenyl-phenylether	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
4-Methylphenol(p-Cresol)	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
4-Nitroaniline	NE	<100	U	<100	U	<100	U	<100	U	<100	U	<100	U
Acenaphthene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Acenaphthylene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Anthracene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Benz(a)anthracene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Benzo(a)pyrene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Benzo(b)fluoranthene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Benzo(g,h,i)perylene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Benzo(k)fluoranthene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Bis(2-chloroethyl)ether	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Bis(2-chloroisopropyl)ether	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Bis(2-ethylhexyl)phthalate	NE	<100	U	<100	U	<100	U	<100	U	<100	U	<100	U
Butylbenzylphthalate	NE	<20	U	<20	U	<20	U	<20	U	<20	U	<20	U
Chrysene	NE	NA		NA		NA		NA		NA	U	NA	
Di-n-butylphthalate	NE	<20	U	<20	U	<20	U	<20	U	<20	U	<20	U
Di-n-octylphthalate	NE	<40	U	<40	U	<40	U	<40	U	<40	U	<40	U
Dibenz(a,h)anthracene	NE	<20	U	<20	U	<20	U	<20	U	<20	U	<20	U
Dibenzofuran	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Dimethylphthalate	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Fluoranthene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Fluorene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Indeno(1,2,3-c,d)pyrene	NE	<20	U	<20	U	<20	U	<20	U	<20	U	<20	U
Isophorone	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
N-Nitroso-di-n-propylamine	NE	NA		NA		NA		NA		NA		NA	
N-Nitrosodiphenylamine	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Naphthalene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Nitrobenzene	NE	<40	U	<40	U	<40	U	<40	U	<40	U	<40	U
Pentachlorophenol	1	<40	U	<40	U	<40	U	<40	U	<40	U	<40	U
Phenanthrene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Phenol	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Pyrene	NE	NA		NA		NA		NA		<10	U	<10	U

Bold Number = detection of analyte.

Shaded area with **bold number** = exceedance of MCL.

U = analyte not detected.

NA = analyte was not analyzed this quarter.

NE = none established.

TABLE F.1.8

GROUND WATER ANALYTICAL DATA FOR APRIL 1998
WASTE DISPOSAL, INC. SUPERFUND SITE

PARAMETERS	MAXIMUM CONTAMINANT LEVEL (MCL)	WELL IDENTIFICATION, SAMPLING DATES AND ANALYTICAL RESULTS											
		GWM 22	Qual	GWM 23	Qual	GWM 24	Qual	GMW 26	Qual	GMW 27	Qual	GMW 28	Qual
SEMIVOLATILES (µg/L)	(µg/L)												
1,2,4-Trichlorobenzene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
1,2-Dichlorobenzene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
1,3-Dichlorobenzene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
1,4-Dichlorobenzene	5	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
2,4,5-Trichlorophenol	NE	<20	U	<20	U	<20	U	<20	U	<20	U	<20	U
2,4,6-Trichlorophenol	NE	<20	U	<20	U	<20	U	<20	U	<20	U	<20	U
2,4-Dichlorophenol	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
2,4-Dinitrophenol	NE	NA		NA		NA		NA		NA		NA	
2,4-Dinitrotoluene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
2,6-Dinitrotoluene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
2-Chloronaphthalene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
2-Methylnaphthalene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
2-Methylphenol(o-Cresol)	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
2-Nitroaniline	NE	<20	U	<20	U	<20	U	<20	U	<20	U	<20	U
2-Nitrophenol	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
3,3-Dichlorobenzidine	NE	<40	U	<40	U	<40	U	<40	U	<40	U	<40	U
4,6-Dinitro-2-methylphenol	NE	<40	U	<40	U	<40	U	<40	U	<40	U	<40	U
4-Bromophenyl-phenylether	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
4-Chloro-3-methylphenol	NE	<20	U	<20	U	<20	U	<20	U	<20	U	<20	U
4-Chloroaniline	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
4-Chlorophenyl-phenylether	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
4-Methylphenol(p-Cresol)	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
4-Nitroaniline	NE	<100	U	<100	U	<100	U	<100	U	<100	U	<100	U
Acenaphthene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Acenaphthylene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Anthracene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Benz(a)anthracene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Benzo(a)pyrene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Benzo(b)fluoranthene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Benzo(g,h,i)perylene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Benzo(k)fluoranthene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Bis(2-chloroethyl)ether	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Bis(2-chloroisopropyl)ether	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Bis(2-ethylhexyl)phthalate	NE	<100	U	<100	U	<100	U	<100	U	<100	U	<100	U
Butylbenzylphthalate	NE	<20	U	<20	U	<20	U	<20	U	<20	U	<20	U
Chrysene	NE	NA		NA		NA		NA		NA		NA	
Di-n-butylphthalate	NE	<20	U	<20	U	<20	U	<20	U	<20	U	<20	U
Di-n-octylphthalate	NE	<40	U	<40	U	<40	U	<40	U	<40	U	<40	U
Dibenz(a,h)anthracene	NE	<20	U	<20	U	<20	U	<20	U	<20	U	<20	U
Dibenzofuran	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Dimethylphthalate	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Fluoranthene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Fluorene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Indeno(1,2,3-c,d)pyrene	NE	<20	U	<20	U	<20	U	<20	U	<20	U	<20	U
Isophorone	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
N-Nitroso-di-n-propylamine	NE	NA		NA		NA		NA		NA		NA	
N-Nitrosodiphenylamine	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Naphthalene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Nitrobenzene	NE	<40	U	<40	U	<40	U	<40	U	<40	U	<40	U
Pentachlorophenol	1	<40	U	<40	U	<40	U	<40	U	<40	U	<40	U
Phenanthrene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Phenol	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Pyrene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U

Bold Number = detection of analyte.

Shaded area with **bold number** = exceedance of MCL.

U = analyte not detected.

NA = analyte was not analyzed this quarter.

NE = none established.

TRC

TABLE F.1.8

GROUND WATER ANALYTICAL DATA FOR APRIL 1998
WASTE DISPOSAL, INC. SUPERFUND SITE

PARAMETERS	MAXIMUM CONTAMINANT LEVEL (MCL)	WELL IDENTIFICATION, SAMPLING DATES AND ANALYTICAL RESULTS					
		GWM 29	Qual	GWM 30	Qual	GWM 31	Qual
SEMIVOLATILES (µg/L)	(µg/L)						
1,2,4-Trichlorobenzene	NE	<10	U	<10	U	<10	U
1,2-Dichlorobenzene	NE	<10	U	<10	U	<10	U
1,3-Dichlorobenzene	NE	<10	U	<10	U	<10	U
1,4-Dichlorobenzene	5	<10	U	<10	U	<10	U
2,4,5-Trichlorophenol	NE	<20	U	<20	U	<20	U
2,4,6-Trichlorophenol	NE	<20	U	<20	U	<20	U
2,4-Dichlorophenol	NE	<10	U	<10	U	<10	U
2,4-Dinitrophenol	NE	NA		NA		NA	
2,4-Dinitrotoluene	NE	<10	U	<10	U	<10	U
2,6-Dinitrotoluene	NE	<10	U	<10	U	<10	U
2-Chloronaphthalene	NE	<10	U	<10	U	<10	U
2-Methylnaphthalene	NE	<10	U	<10	U	<10	U
2-Methylphenol(o-Cresol)	NE	<10	U	<10	U	<10	U
2-Nitroaniline	NE	<20	U	<20	U	<20	U
2-Nitrophenol	NE	<10	U	<10	U	<10	U
3,3-Dichlorobenzidine	NE	<40	U	<40	U	<40	U
4,6-Dinitro-2-methylphenol	NE	<40	U	<40	U	<40	U
4-Bromophenyl-phenylether	NE	<10	U	<10	U	<10	U
4-Chloro-3-methylphenol	NE	<20	U	<20	U	<20	U
4-Chloroaniline	NE	<10	U	<10	U	<10	U
4-Chlorophenyl-phenylether	NE	<10	U	<10	U	<10	U
4-Methylphenol(p-Cresol)	NE	<10	U	<10	U	<10	U
4-Nitroaniline	NE	<100	U	<100	U	<100	U
Acenaphthene	NE	<10	U	<10	U	<10	U
Acenaphthylene	NE	<10	U	<10	U	<10	U
Anthracene	NE	<10	U	<10	U	<10	U
Benz(a)anthracene	NE	<10	U	<10	U	<10	U
Benzo(a)pyrene	NE	<10	U	<10	U	<10	U
Benzo(b)fluoranthene	NE	<10	U	<10	U	<10	U
Benzo(g,h,i)perylene	NE	<10	U	<10	U	<10	U
Benzo(k)fluoranthene	NE	<10	U	<10	U	<10	U
Bis(2-chloroethyl)ether	NE	<10	U	<10	U	<10	U
Bis(2-chloroisopropyl)ether	NE	<10	U	<10	U	<10	U
Bis(2-ethylhexyl)phthalate	NE	<100	U	<100	U	<100	U
Butylbenzylphthalate	NE	<20	U	<20	U	<20	U
Chrysene	NE	NA		NA		NA	
Di-n-butylphthalate	NE	<20	U	<20	U	<20	U
Di-n-octylphthalate	NE	<40	U	<40	U	<40	U
Dibenz(a,h)anthracene	NE	<20	U	<20	U	<20	U
Dibenzofuran	NE	<10	U	<10	U	<10	U
Dimethylphthalate	NE	<10	U	<10	U	<10	U
Fluoranthene	NE	<10	U	<10	U	<10	U
Fluorene	NE	<10	U	<10	U	<10	U
Indeno(1,2,3-c,d)pyrene	NE	<20	U	<20	U	<20	U
Isophorone	NE	<10	U	<10	U	<10	U
N-Nitroso-di-n-propylamine	NE	NA		NA		NA	
N-Nitrosodiphenylamine	NE	<10	U	<10	U	<10	U
Naphthalene	NE	<10	U	<10	U	<10	U
Nitrobenzene	NE	<40	U	<40	U	<40	U
Pentachlorophenol	1	<40	U	<40	U	<40	U
Phenanthrene	NE	<10	U	<10	U	<10	U
Phenol	NE	<10	U	<10	U	<10	U
Pyrene	NE	<10	U	<10	U	<10	U

94-256 Reports/ReDelnSuRe (Rev 1/Tbls&Figs/Misc Tbls) (8/9/99/mc)

Bold Number = detection of analyte.

Shaded area with **bold number** = exceedance of MCL.

U = analyte not detected.

NA = analyte was not analyzed this quarter.

NE = none established.

TRC

TABLE F.1.9

GROUND WATER ANALYTICAL DATA FOR JULY 1998
WASTE DISPOSAL, INC. SUPERFUND SITE

PARAMETERS	MAXIMUM CONTAMINANT LEVEL (MCL)	WELL IDENTIFICATION, SAMPLING DATES AND ANALYTICAL RESULTS											
SEMIVOLATILES (µg/L)	(µg/L)	GMW 01	Qual	GMW 02	Qual	GMW 03	Qual	GMW 04	Qual	GMW 05	Qual	GMW 06	Qual
1,2,4-Trichlorobenzene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
1,2-Dichlorobenzene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
1,3-Dichlorobenzene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
1,4-Dichlorobenzene	5	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
2,4,5-Trichlorophenol	NE	<20	U	<20	U	<20	U	<20	U	<20	U	<20	U
2,4,6-Trichlorophenol	NE	<20	U	<20	U	<20	U	<20	U	<20	U	<20	U
2,4-Dichlorophenol	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
2,4-Dinitrophenol	NE	<100	U	<100	U	<100	U	<100	U	<100	U	NA	
2,4-Dinitrotoluene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	**10**	
2,6-Dinitrotoluene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	**10**	
2-Chloronaphthalene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	**10**	
2-Methylnaphthalene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
2-Methylphenol(o-Cresol)	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
2-Nitroaniline	NE	<20	U	<20	U	<20	U	<20	U	<20	U	<20	U
2-Nitrophenol	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
3,3-Dichlorobenzidine	NE	<40	U	<40	U	<40	U	<40	U	<40	U	<40	U
4,6-Dinitro-2-methylphenol	NE	<40	U	<40	U	<40	U	<40	U	<40	U	<40	U
4-Bromophenyl-phenylether	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
4-Chloro-3-methylphenol	NE	<20	U	<20	U	<20	U	<20	U	<20	U	<20	U
4-Chloroaniline	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
4-Chlorophenyl-phenylether	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
4-Methylphenol(p-Cresol)	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
4-Nitroaniline	NE	<100	U	<100	U	<100	U	<100	U	<100	U	<100	U
Acenaphthene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Acenaphthylene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Anthracene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Benz(a)anthracene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Benzo(a)pyrene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Benzo(b)fluoranthene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Benzo(g,h,i)perylene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Benzo(k)fluoranthene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Bis(2-chloroethyl)ether	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Bis(2-chloroisopropyl)ether	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Bis(2-ethylhexyl)phthalate	NE	<100	U	<100	U	<100	U	<100	U	<100	U	<100	U
Butylbenzylphthalate	NE	<20	U	<20	U	<20	U	<20	U	<20	U	<20	U
Chrysene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	NA	
Di-n-butylphthalate	NE	<20	U	<20	U	<20	U	<20	U	<20	U	<20	U
Di-n-octylphthalate	NE	<40	U	<40	U	<40	U	<40	U	<40	U	<40	U
Dibenz(a,h)anthracene	NE	<20	U	<20	U	<20	U	<20	U	<20	U	<20	U
Dibenzofuran	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Dimethylphthalate	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Fluoranthene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Fluorene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Indeno(1,2,3-c,d)pyrene	NE	<20	U	<20	U	<20	U	<20	U	<20	U	<20	U
Isophorone	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
N-Nitroso-di-n-propylamine	NE	<10	U	<10	U	<10	U	<10	U	<10	U	NA	
N-Nitrosodiphenylamine	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Naphthalene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Nitrobenzene	NE	<40	U	<40	U	<40	U	<40	U	<40	U	<40	U
Pentachlorophenol	1	<40	U	<40	U	<40	U	<40	U	<40	U	<40	U
Phenanthrene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Phenol	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Pyrene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U

Bold Number = detection of analyte.
Shaded area with **bold number** = exceedance of MCL.
U = analyte not detected.
NA = analyte was not analyzed this quarter.
NE = none established.

TRC

TABLE F.1.9

GROUND WATER ANALYTICAL DATA FOR JULY 1998
WASTE DISPOSAL, INC. SUPERFUND SITE

PARAMETERS	MAXIMUM CONTAMINANT LEVEL (MCL)	WELL IDENTIFICATION, SAMPLING DATES AND ANALYTICAL RESULTS											
SEMIVOLATILES (µg/L)	(µg/L)	GMW 07	Qual	GMW 08	Qual	GMW 09	Qual	GMW 10	Qual	GMW 11	Qual	GMW 13	Qual
1,2,4-Trichlorobenzene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
1,2-Dichlorobenzene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
1,3-Dichlorobenzene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
1,4-Dichlorobenzene	5	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
2,4,5-Trichlorophenol	NE	<20	U	<20	U	<20	U	<20	U	<20	U	<20	U
2,4,6-Trichlorophenol	NE	<20	U	<20	U	<20	U	<20	U	<20	U	<20	U
2,4-Dichlorophenol	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
2,4-Dinitrophenol	NE	NA		<100	U	<100	U	<100	U	<100	U	<100	U
2,4-Dinitrotoluene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
2,6-Dinitrotoluene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
2-Chloronaphthalene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
2-Methylnaphthalene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
2-Methylphenol(o-Cresol)	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
2-Nitroaniline	NE	<20	U	<20	U	<20	U	<20	U	<20	U	<20	U
2-Nitrophenol	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
3,3-Dichlorobenzidine	NE	<40	U	<40	U	<40	U	<40	U	<40	U	<40	U
4,6-Dinitro-2-methylphenol	NE	<40	U	<40	U	<40	U	<40	U	<40	U	<40	U
4-Bromophenyl-phenylether	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
4-Chloro-3-methylphenol	NE	<20	U	<20	U	<20	U	<20	U	<20	U	<20	U
4-Chloroaniline	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
4-Chlorophenyl-phenylether	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
4-Methylphenol(p-Cresol)	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
4-Nitroaniline	NE	<100	U	<100	U	<100	U	<100	U	<100	U	<100	U
Acenaphthene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Acenaphthylene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Anthracene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Benz(a)anthracene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Benzo(a)pyrene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Benzo(b)fluoranthene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Benzo(g,h,i)perylene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Benzo(k)fluoranthene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Bis(2-chloroethyl)ether	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Bis(2-chloroisopropyl)ether	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Bis(2-ethylhexyl)phthalate	NE	<100	U	<100	U	<100	U	<100	U	<100	U	<100	U
Butylbenzylphthalate	NE	<20	U	<20	U	<20	U	<20	U	<20	U	<20	U
Chrysene	NE	NA	U	<10	U	<10	U	<10	U	<10	U	<10	U
Di-n-butylphthalate	NE	<20	U	<20	U	<20	U	<20	U	<20	U	<20	U
Di-n-octylphthalate	NE	<40	U	<40	U	<40	U	<40	U	<40	U	<40	U
Dibenz(a,h)anthracene	NE	<20	U	<20	U	<20	U	<20	U	<20	U	<20	U
Dibenzofuran	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Dimethylphthalate	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Fluoranthene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Fluorene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Indeno(1,2,3-c,d)pyrene	NE	<20	U	<20	U	<20	U	<20	U	<20	U	<20	U
Isophorone	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
N-Nitroso-di-n-propylamine	NE	NA	U	NA	U	<10	U	<10	U	<10	U	<10	U
N-Nitrosodiphenylamine	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Naphthalene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Nitrobenzene	NE	<40	U	<40	U	<40	U	<40	U	<40	U	<40	U
Pentachlorophenol	1	<40	U	<40	U	<40	U	<40	U	<40	U	<40	U
Phenanthrene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Phenol	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Pyrene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U

Bold Number = detection of analyte.

Shaded area with **bold number** = exceedance of MCL.

U = analyte not detected.

NA = analyte was not analyzed this quarter.

NE = none established.

TRC

TABLE F.1.9

GROUND WATER ANALYTICAL DATA FOR JULY 1998
WASTE DISPOSAL, INC. SUPERFUND SITE

PARAMETERS	MAXIMUM CONTAMINANT LEVEL (MCL)	WELL IDENTIFICATION, SAMPLING DATES AND ANALYTICAL RESULTS											
SEMIVOLATILES (µg/L)	(µg/L)	GWM 14	Qual	GWM 15	Qual	GWM 16	Qual	GMW 18	Qual	GMW 19	Qual	GMW 21	Qual
1,2,4-Trichlorobenzene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
1,2-Dichlorobenzene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
1,3-Dichlorobenzene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
1,4-Dichlorobenzene	5	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
2,4,5-Trichlorophenol	NE	<20	U	<20	U	<20	U	<20	U	<20	U	<20	U
2,4,6-Trichlorophenol	NE	<20	U	<20	U	<20	U	<20	U	<20	U	<20	U
2,4-Dichlorophenol	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
2,4-Dinitrophenol	NE	NA		NA		NA		NA		NA		<100	U
2,4-Dinitrotoluene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
2,6-Dinitrotoluene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
2-Chloronaphthalene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
2-Methylnaphthalene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
2-Methylphenol(o-Cresol)	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
2-Nitroaniline	NE	<20	U	<20	U	<20	U	<20	U	<20	U	<20	U
2-Nitrophenol	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
3,3-Dichlorobenzidine	NE	<40	U	<40	U	<40	U	<40	U	<40	U	<40	U
4,6-Dinitro-2-methylphenol	NE	<40	U	<40	U	<40	U	<40	U	<40	U	<40	U
4-Bromophenyl-phenylether	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
4-Chloro-3-methylphenol	NE	<20	U	<20	U	<20	U	<20	U	<20	U	<20	U
4-Chloroaniline	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
4-Chlorophenyl-phenylether	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
4-Methylphenol(p-Cresol)	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
4-Nitroaniline	NE	<100	U	<100	U	<100	U	<100	U	<100	U	<100	U
Acenaphthene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Acenaphthylene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Anthracene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Benz(a)anthracene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Benzo(a)pyrene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Benzo(b)fluoranthene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Benzo(g,h,i)perylene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Benzo(k)fluoranthene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Bis(2-chloroethyl)ether	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Bis(2-chloroisopropyl)ether	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Bis(2-ethylhexyl)phthalate	NE	<100	U	<100	U	<100	U	<100	U	<100	U	<100	U
Butylbenzylphthalate	NE	<20	U	<20	U	<20	U	<20	U	<20	U	<20	U
Chrysene	NE	NA		NA		NA		NA		NA		<10	U
Di-n-butylphthalate	NE	<20	U	<20	U	<20	U	<20	U	<20	U	<20	U
Di-n-octylphthalate	NE	<40	U	<40	U	<40	U	<40	U	<40	U	<40	U
Dibenz(a,h)anthracene	NE	<20	U	<20	U	<20	U	<20	U	<20	U	<20	U
Dibenzofuran	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Dimethylphthalate	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Fluoranthene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Fluorene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Indeno(1,2,3-c,d)pyrene	NE	<20	U	<20	U	<20	U	<20	U	<20	U	<20	U
Isophorone	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
N-Nitroso-di-n-propylamine	NE	NA		NA		NA		NA		NA		<10	U
N-Nitrosodiphenylamine	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Naphthalene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Nitrobenzene	NE	<40	U	<40	U	<40	U	<40	U	<40	U	<40	U
Pentachlorophenol	1	<40	U	<40	U	<40	U	<40	U	<40	U	<40	U
Phenanthrene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Phenol	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Pyrene	NE	NA		NA		NA		NA		<10	U	<10	U

Bold Number = detection of analyte.

Shaded area with **bold number** = exceedance of MCL.

U = analyte not detected.

NA = analyte was not analyzed this quarter.

NE = none established.

TRC

TABLE F.1.9

GROUND WATER ANALYTICAL DATA FOR JULY 1998
WASTE DISPOSAL, INC. SUPERFUND SITE

PARAMETERS	MAXIMUM CONTAMINANT LEVEL (MCL)	WELL IDENTIFICATION, SAMPLING DATES AND ANALYTICAL RESULTS											
		GWM 22	Qual	GWM 23	Qual	GWM 24	Qual	GMW 26	Qual	GMW 27	Qual	GMW 28	Qual
SEMIVOLATILES (µg/L)	(µg/L)												
1,2,4-Trichlorobenzene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
1,2-Dichlorobenzene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
1,3-Dichlorobenzene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
1,4-Dichlorobenzene	5	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
2,4,5-Trichlorophenol	NE	<20	U	<20	U	<20	U	<20	U	<20	U	<20	U
2,4,6-Trichlorophenol	NE	<20	U	<20	U	<20	U	<20	U	<20	U	<20	U
2,4-Dichlorophenol	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
2,4-Dinitrophenol	NE	NA		NA		NA		NA		NA		NA	
2,4-Dinitrotoluene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
2,6-Dinitrotoluene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
2-Chloronaphthalene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
2-Methylnaphthalene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
2-Methylphenol(o-Cresol)	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
2-Nitroaniline	NE	<20	U	<20	U	<20	U	<20	U	<20	U	<20	U
2-Nitrophenol	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
3,3-Dichlorobenzidine	NE	<40	U	<40	U	<40	U	<40	U	<40	U	<40	U
4,6-Dinitro-2-methylphenol	NE	<40	U	<40	U	<40	U	<40	U	<40	U	<40	U
4-Bromophenyl-phenylether	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
4-Chloro-3-methylphenol	NE	<20	U	<20	U	<20	U	<20	U	<20	U	<20	U
4-Chloroaniline	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
4-Chlorophenyl-phenylether	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
4-Methylphenol(p-Cresol)	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
4-Nitroaniline	NE	<100	U	<100	U	<100	U	<100	U	<100	U	<100	U
Acenaphthene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Acenaphthylene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Anthracene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Benz(a)anthracene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Benzo(a)pyrene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Benzo(b)fluoranthene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Benzo(g,h,i)perylene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Benzo(k)fluoranthene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Bis(2-chloroethyl)ether	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Bis(2-chloroisopropyl)ether	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Bis(2-ethylhexyl)phthalate	NE	<100	U	<100	U	<100	U	<100	U	<100	U	<100	U
Butylbenzylphthalate	NE	<20	U	<20	U	<20	U	<20	U	<20	U	<20	U
Chrysene	NE	NA		NA		NA		NA		NA		NA	
Di-n-butylphthalate	NE	<20	U	<20	U	<20	U	<20	U	<20	U	<20	U
Di-n-octylphthalate	NE	<40	U	<40	U	<40	U	<40	U	<40	U	<40	U
Dibenz(a,h)anthracene	NE	<20	U	<20	U	<20	U	<20	U	<20	U	<20	U
Dibenzofuran	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Dimethylphthalate	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Fluoranthene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Fluorene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Indeno(1,2,3-c,d)pyrene	NE	<20	U	<20	U	<20	U	<20	U	<20	U	<20	U
Isophorone	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
N-Nitroso-di-n-propylamine	NE	NA		NA		NA		NA		NA		NA	
N-Nitrosodiphenylamine	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Naphthalene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Nitrobenzene	NE	<40	U	<40	U	<40	U	<40	U	<40	U	<40	U
Pentachlorophenol	1	<40	U	<40	U	<40	U	<40	U	<40	U	<40	U
Phenanthrene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Phenol	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Pyrene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U

Bold Number = detection of analyte.

Shaded area with **bold number** = exceedance of MCL.

U = analyte not detected.

NA = analyte was not analyzed this quarter.

NE = none established.

TRC

TABLE F.1.9

GROUND WATER ANALYTICAL DATA FOR JULY 1998
WASTE DISPOSAL, INC. SUPERFUND SITE

PARAMETERS	MAXIMUM CONTAMINANT LEVEL (MCL)	WELL IDENTIFICATION, SAMPLING DATES AND ANALYTICAL RESULTS					
		GWM 29	Qual	GWM 30	Qual	GWM 31	Qual
SEMIVOLATILES (µg/L)	(µg/L)						
1,2,4-Trichlorobenzene	NE	<10	U	<10	U	<10	U
1,2-Dichlorobenzene	NE	<10	U	<10	U	<10	U
1,3-Dichlorobenzene	NE	<10	U	<10	U	<10	U
1,4-Dichlorobenzene	5	<10	U	<10	U	<10	U
2,4,5-Trichlorophenol	NE	<20	U	<20	U	<20	U
2,4,6-Trichlorophenol	NE	<20	U	<20	U	<20	U
2,4-Dichlorophenol	NE	<10	U	<10	U	<10	U
2,4-Dinitrophenol	NE	NA		NA		NA	
2,4-Dinitrotoluene	NE	<10	U	<10	U	<10	U
2,6-Dinitrotoluene	NE	<10	U	<10	U	<10	U
2-Chloronaphthalene	NE	<10	U	<10	U	<10	U
2-Methylnaphthalene	NE	<10	U	<10	U	<10	U
2-Methylphenol(o-Cresol)	NE	<10	U	<10	U	<10	U
2-Nitroaniline	NE	<20	U	<20	U	<20	U
2-Nitrophenol	NE	<10	U	<10	U	<10	U
3,3-Dichlorobenzidine	NE	<40	U	<40	U	<40	U
4,6-Dinitro-2-methylphenol	NE	<40	U	<40	U	<40	U
4-Bromophenyl-phenylether	NE	<10	U	<10	U	<10	U
4-Chloro-3-methylphenol	NE	<20	U	<20	U	<20	U
4-Chloroaniline	NE	<10	U	<10	U	<10	U
4-Chlorophenyl-phenylether	NE	<10	U	<10	U	<10	U
4-Methylphenol(p-Cresol)	NE	<10	U	<10	U	<10	U
4-Nitroaniline	NE	<100	U	<100	U	<100	U
Acenaphthene	NE	<10	U	<10	U	<10	U
Acenaphthylene	NE	<10	U	<10	U	<10	U
Anthracene	NE	<10	U	<10	U	<10	U
Benz(a)anthracene	NE	<10	U	<10	U	<10	U
Benzo(a)pyrene	NE	<10	U	<10	U	<10	U
Benzo(b)fluoranthene	NE	<10	U	<10	U	<10	U
Benzo(g,h,i)perylene	NE	<10	U	<10	U	<10	U
Benzo(k)fluoranthene	NE	<10	U	<10	U	<10	U
Bis(2-chloroethyl)ether	NE	<10	U	<10	U	<10	U
Bis(2-chloroisopropyl)ether	NE	<10	U	<10	U	<10	U
Bis(2-ethylhexyl)phthalate	NE	<100	U	<100	U	<100	U
Butylbenzylphthalate	NE	<20	U	<20	U	<20	U
Chrysene	NE	NA		NA		NA	
Di-n-butylphthalate	NE	<20	U	<20	U	<20	U
Di-n-octylphthalate	NE	<40	U	<40	U	<40	U
Dibenz(a,h)anthracene	NE	<20	U	<20	U	<20	U
Dibenzofuran	NE	<10	U	<10	U	<10	U
Dimethylphthalate	NE	<10	U	<10	U	<10	U
Fluoranthene	NE	<10	U	<10	U	<10	U
Fluorene	NE	<10	U	<10	U	<10	U
Indeno(1,2,3-c,d)pyrene	NE	<20	U	<20	U	<20	U
Isophorone	NE	<10	U	<10	U	<10	U
N-Nitroso-di-n-propylamine	NE	NA		NA		NA	
N-Nitrosodiphenylamine	NE	<10	U	<10	U	<10	U
Naphthalene	NE	<10	U	<10	U	<10	U
Nitrobenzene	NE	<40	U	<40	U	<40	U
Pentachlorophenol	1	<40	U	<40	U	<40	U
Phenanthrene	NE	<10	U	<10	U	<10	U
Phenol	NE	<10	U	<10	U	<10	U
Pyrene	NE	<10	U	<10	U	<10	U

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Bold Number = detection of analyte.

Shaded area with **bold number** = exceedance of MCL.

U = analyte not detected.

NA = analyte was not analyzed this quarter.

NE = none established.

TRC

TABLE F.1.10

GROUND WATER ANALYTICAL DATA FOR OCTOBER 1998
WASTE DISPOSAL, INC. SUPERFUND SITE

PARAMETERS	MAXIMUM CONTAMINANT LEVEL (MCL)	WELL IDENTIFICATION, SAMPLING DATES AND ANALYTICAL RESULTS											
SEMIVOLATILES (µg/L)	(µg/L)	GMW 01	Qual	GMW 02	Qual	GMW 03	Qual	GMW 04	Qual	GMW 05	Qual	GMW 06	Qual
1,2,4-Trichlorobenzene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
1,2-Dichlorobenzene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
1,3-Dichlorobenzene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
1,4-Dichlorobenzene	5	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
2,4,5-Trichlorophenol	NE	<20	U	<20	U	<20	U	<20	U	<20	U	<20	U
2,4,6-Trichlorophenol	NE	<20	U	<20	U	<20	U	<20	U	<20	U	<20	U
2,4-Dichlorophenol	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
2,4-Dinitrophenol	NE	<100	U	<100	U	<100	U	<100	U	<100	U	<100	U
2,4-Dinitrotoluene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
2,6-Dinitrotoluene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
2-Chloronaphthalene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
2-Methylnaphthalene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
2-Methylphenol(o-Cresol)	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
2-Nitroaniline	NE	<20	U	<20	U	<20	U	<20	U	<20	U	<20	U
2-Nitrophenol	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
3,3-Dichlorobenzidine	NE	<40	U	<40	U	<40	U	<40	U	<40	U	<40	U
4,6-Dinitro-2-methylphenol	NE	<40	U	<40	U	<40	U	<40	U	<40	U	<40	U
4-Bromophenyl-phenylether	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
4-Chloro-3-methylphenol	NE	<20	U	<20	U	<20	U	<20	U	<20	U	<20	U
4-Chloroaniline	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
4-Chlorophenyl-phenylether	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
4-Methylphenol(p-Cresol)	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
4-Nitroaniline	NE	<100	U	<100	U	<100	U	<100	U	<100	U	<100	U
Acenaphthene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Acenaphthylene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Anthracene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Benz(a)anthracene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Benzo(a)pyrene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Benzo(b)fluoranthene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Benzo(g,h,i)perylene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Benzo(k)fluoranthene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Bis(2-chloroethyl)ether	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Bis(2-chloroisopropyl)ether	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Bis(2-ethylhexyl)phthalate	NE	<100	U	<100	U	<100	U	<100	U	<100	U	<100	U
Butylbenzylphthalate	NE	<20	U	<20	U	<20	U	<20	U	<20	U	<20	U
Chrysene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Di-n-butylphthalate	NE	<20	U	<20	U	<20	U	<20	U	<20	U	<20	U
Di-n-octylphthalate	NE	<40	U	<40	U	<40	U	<40	U	<40	U	<40	U
Dibenz(a,h)anthracene	NE	<20	U	<20	U	<20	U	<20	U	<20	U	<20	U
Dibenzofuran	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Dimethylphthalate	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Fluoranthene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Fluorene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Indeno(1,2,3-c,d)pyrene	NE	<20	U	<20	U	<20	U	<20	U	<20	U	<20	U
Isophorone	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
N-Nitroso-di-n-propylamine	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
N-Nitrosodiphenylamine	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Naphthalene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Nitrobenzene	NE	<40	U	<40	U	<40	U	<40	U	<40	U	<40	U
Pentachlorophenol	1	<40	U	<40	U	<40	U	<40	U	<40	U	<40	U
Phenanthrene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Phenol	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Pyrene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U

Bold Number = detection of analyte.
Shaded area with **bold number** = exceedance of MCL.
U = analyte not detected.
NA = analyte was not analyzed this quarter.
NE = none established.

TRC

TABLE F.1.10

GROUND WATER ANALYTICAL DATA FOR OCTOBER 1998
WASTE DISPOSAL, INC. SUPERFUND SITE

PARAMETERS	MAXIMUM CONTAMINANT LEVEL (MCL)	WELL IDENTIFICATION, SAMPLING DATES AND ANALYTICAL RESULTS											
		GMW 07	Qual	GMW 08	Qual	GMW 09	Qual	GMW 10	Qual	GMW 11	Qual	GMW 13	Qual
SEMIVOLATILES (µg/L)	(µg/L)												
1,2,4-Trichlorobenzene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
1,2-Dichlorobenzene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
1,3-Dichlorobenzene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
1,4-Dichlorobenzene	5	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
2,4,5-Trichlorophenol	NE	<20	U	<20	U	<20	U	<20	U	<20	U	<20	U
2,4,6-Trichlorophenol	NE	<20	U	<20	U	<20	U	<20	U	<20	U	<20	U
2,4-Dichlorophenol	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
2,4-Dinitrophenol	NE	<100	U	<100	U	<100	U	<100	U	<100	U	<100	U
2,4-Dinitrotoluene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
2,6-Dinitrotoluene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
2-Chloronaphthalene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
2-Methylnaphthalene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
2-Methylphenol(o-Cresol)	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
2-Nitroaniline	NE	<20	U	<20	U	<20	U	<20	U	<20	U	<20	U
2-Nitrophenol	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
3,3-Dichlorobenzidine	NE	<40	U	<40	U	<40	U	<40	U	<40	U	<40	U
4,6-Dinitro-2-methylphenol	NE	<40	U	<40	U	<40	U	<40	U	<40	U	<40	U
4-Bromophenyl-phenylether	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
4-Chloro-3-methylphenol	NE	<20	U	<20	U	<20	U	<20	U	<20	U	<20	U
4-Chloroaniline	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
4-Chlorophenyl-phenylether	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
4-Methylphenol(p-Cresol)	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
4-Nitroaniline	NE	<100	U	<100	U	<100	U	<100	U	<100	U	<100	U
Acenaphthene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Acenaphthylene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Anthracene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Benz(a)anthracene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Benzo(a)pyrene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Benzo(b)fluoranthene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Benzo(g,h,i)perylene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Benzo(k)fluoranthene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Bis(2-chloroethyl)ether	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Bis(2-chloroisopropyl)ether	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Bis(2-ethylhexyl)phthalate	NE	<100	U	<100	U	<100	U	<100	U	<100	U	<100	U
Butylbenzylphthalate	NE	<20	U	<20	U	<20	U	<20	U	<20	U	<20	U
Chrysene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Di-n-butylphthalate	NE	<20	U	<20	U	<20	U	<20	U	<20	U	<20	U
Di-n-octylphthalate	NE	<40	U	<40	U	<40	U	<40	U	<40	U	<40	U
Dibenz(a,h)anthracene	NE	<20	U	<20	U	<20	U	<20	U	<20	U	<20	U
Dibenzofuran	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Dimethylphthalate	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Fluoranthene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Fluorene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Indeno(1,2,3-c,d)pyrene	NE	<20	U	<20	U	<20	U	<20	U	<20	U	<20	U
Isophorone	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
N-Nitroso-di-n-propylamine	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
N-Nitrosodiphenylamine	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Naphthalene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Nitrobenzene	NE	<40	U	<40	U	<40	U	<40	U	<40	U	<40	U
Pentachlorophenol	1	<40	U	<40	U	<40	U	<40	U	<40	U	<40	U
Phenanthrene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Phenol	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Pyrene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U

Bold Number = detection of analyte.

Shaded area with **bold number** = exceedance of MCL.

U = analyte not detected.

NA = analyte was not analyzed this quarter.

NE = none established.

TRC

TABLE F.1.10

GROUND WATER ANALYTICAL DATA FOR OCTOBER 1998
WASTE DISPOSAL, INC. SUPERFUND SITE

PARAMETERS	MAXIMUM CONTAMINANT LEVEL (MCL)	WELL IDENTIFICATION, SAMPLING DATES AND ANALYTICAL RESULTS											
		GWM 14	Qual	GWM 15	Qual	GWM 16	Qual	GMW 18	Qual	GMW 19	Qual	GMW 21	Qual
SEMIVOLATILES (µg/L)	(µg/L)												
1,2,4-Trichlorobenzene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
1,2-Dichlorobenzene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
1,3-Dichlorobenzene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
1,4-Dichlorobenzene	5	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
2,4,5-Trichlorophenol	NE	<20	U	<20	U	<20	U	<20	U	<20	U	<20	U
2,4,6-Trichlorophenol	NE	<20	U	<20	U	<20	U	<20	U	<20	U	<20	U
2,4-Dichlorophenol	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
2,4-Dinitrophenol	NE	<100	U	<100	U	<100	U	<100	U	<100	U	<100	U
2,4-Dinitrotoluene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
2,6-Dinitrotoluene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
2-Chloronaphthalene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
2-Methylnaphthalene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
2-Methylphenol(o-Cresol)	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
2-Nitroaniline	NE	<20	U	<20	U	<20	U	<20	U	<20	U	<20	U
2-Nitrophenol	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
3,3-Dichlorobenzidine	NE	<40	U	<40	U	<40	U	<40	U	<40	U	<40	U
4,6-Dinitro-2-methylphenol	NE	<40	U	<40	U	<40	U	<40	U	<40	U	<40	U
4-Bromophenyl-phenylether	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
4-Chloro-3-methylphenol	NE	<20	U	<20	U	<20	U	<20	U	<20	U	<20	U
4-Chloroaniline	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
4-Chlorophenyl-phenylether	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
4-Methylphenol(p-Cresol)	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
4-Nitroaniline	NE	<100	U	<100	U	<100	U	<100	U	<100	U	<100	U
Acenaphthene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Acenaphthylene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Anthracene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Benz(a)anthracene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Benzo(a)pyrene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Benzo(b)fluoranthene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Benzo(g,h,i)perylene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Benzo(k)fluoranthene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Bis(2-chloroethyl)ether	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Bis(2-chloroisopropyl)ether	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Bis(2-ethylhexyl)phthalate	NE	<100	U	<100	U	<100	U	<100	U	<100	U	<100	U
Butylbenzylphthalate	NE	<20	U	<20	U	<20	U	<20	U	<20	U	<20	U
Chrysene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Di-n-butylphthalate	NE	<20	U	<20	U	<20	U	<20	U	<20	U	<20	U
Di-n-octylphthalate	NE	<40	U	<40	U	<40	U	<40	U	<40	U	<40	U
Dibenz(a,h)anthracene	NE	<20	U	<20	U	<20	U	<20	U	<20	U	<20	U
Dibenzofuran	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Dimethylphthalate	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Fluoranthene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Fluorene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Indeno(1,2,3-c,d)pyrene	NE	<20	U	<20	U	<20	U	<20	U	<20	U	<20	U
Isophorone	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
N-Nitroso-di-n-propylamine	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
N-Nitrosodiphenylamine	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Naphthalene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Nitrobenzene	NE	<40	U	<40	U	<40	U	<40	U	<40	U	<40	U
Pentachlorophenol	1	<40	U	<40	U	<40	U	<40	U	<40	U	<40	U
Phenanthrene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Phenol	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Pyrene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U

Bold Number = detection of analyte.

Shaded area with **bold number** = exceedance of MCL.

U = analyte not detected.

NA = analyte was not analyzed this quarter.

NE = none established.

TRC

TABLE F.1.10

GROUND WATER ANALYTICAL DATA FOR OCTOBER 1998
WASTE DISPOSAL, INC. SUPERFUND SITE

PARAMETERS	MAXIMUM CONTAMINANT LEVEL (MCL)	WELL IDENTIFICATION, SAMPLING DATES AND ANALYTICAL RESULTS											
		GWM 22	Qual	GWM 23	Qual	GWM 24	Qual	GMW 26	Qual	GMW 27	Qual	GMW 28	Qual
SEMIVOLATILES (µg/L)	(µg/L)												
1,2,4-Trichlorobenzene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
1,2-Dichlorobenzene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
1,3-Dichlorobenzene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
1,4-Dichlorobenzene	5	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
2,4,5-Trichlorophenol	NE	<20	U	<20	U	<20	U	<20	U	<20	U	<20	U
2,4,6-Trichlorophenol	NE	<20	U	<20	U	<20	U	<20	U	<20	U	<20	U
2,4-Dichlorophenol	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
2,4-Dinitrophenol	NE	<100	U	<100	U	<100	U	<100	U	<100	U	<100	U
2,4-Dinitrotoluene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
2,6-Dinitrotoluene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
2-Chloronaphthalene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
2-Methylnaphthalene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
2-Methylphenol(o-Cresol)	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
2-Nitroaniline	NE	<20	U	<20	U	<20	U	<20	U	<20	U	<20	U
2-Nitrophenol	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
3,3-Dichlorobenzidine	NE	<40	U	<40	U	<40	U	<40	U	<40	U	<40	U
4,6-Dinitro-2-methylphenol	NE	<40	U	<40	U	<40	U	<40	U	<40	U	<40	U
4-Bromophenyl-phenylether	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
4-Chloro-3-methylphenol	NE	<20	U	<20	U	<20	U	<20	U	<20	U	<20	U
4-Chloroaniline	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
4-Chlorophenyl-phenylether	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
4-Methylphenol(p-Cresol)	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
4-Nitroaniline	NE	<100	U	<100	U	<100	U	<100	U	<100	U	<100	U
Acenaphthene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Acenaphthylene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Anthracene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Benz(a)anthracene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Benzo(a)pyrene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Benzo(b)fluoranthene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Benzo(g,h,i)perylene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Benzo(k)fluoranthene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Bis(2-chloroethyl)ether	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Bis(2-chloroisopropyl)ether	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Bis(2-ethylhexyl)phthalate	NE	<100	U	<100	U	<100	U	<100	U	<100	U	<100	U
Butylbenzylphthalate	NE	<20	U	<20	U	<20	U	<20	U	<20	U	<20	U
Chrysene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Di-n-butylphthalate	NE	<20	U	<20	U	<20	U	<20	U	<20	U	<20	U
Di-n-octylphthalate	NE	<40	U	<40	U	<40	U	<40	U	<40	U	<40	U
Dibenz(a,h)anthracene	NE	<20	U	<20	U	<20	U	<20	U	<20	U	<20	U
Dibenzofuran	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Dimethylphthalate	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Fluoranthene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Fluorene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Indeno(1,2,3-c,d)pyrene	NE	<20	U	<20	U	<20	U	<20	U	<20	U	<20	U
Isophorone	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
N-Nitroso-di-n-propylamine	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
N-Nitrosodiphenylamine	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Naphthalene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Nitrobenzene	NE	<40	U	<40	U	<40	U	<40	U	<40	U	<40	U
Pentachlorophenol	1	<40	U	<40	U	<40	U	<40	U	<40	U	<40	U
Phenanthrene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Phenol	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U
Pyrene	NE	<10	U	<10	U	<10	U	<10	U	<10	U	<10	U

Bold Number = detection of analyte.

Shaded area with **bold number** = exceedance of MCL.

U = analyte not detected.

NA = analyte was not analyzed this quarter.

NE = none established.

TRC

TABLE F.1.10

GROUND WATER ANALYTICAL DATA FOR OCTOBER 1998
WASTE DISPOSAL, INC. SUPERFUND SITE

PARAMETERS	MAXIMUM CONTAMINANT LEVEL (MCL)	WELL IDENTIFICATION, SAMPLING DATES AND ANALYTICAL RESULTS					
		GWM 29	Qual	GWM 30	Qual	GWM 31	Qual
SEMIVOLATILES (µg/L)	(µg/L)						
1,2,4-Trichlorobenzene	NE	<10	U	<10	U	<10	U
1,2-Dichlorobenzene	NE	<10	U	<10	U	<10	U
1,3-Dichlorobenzene	NE	<10	U	<10	U	<10	U
1,4-Dichlorobenzene	5	<10	U	<10	U	<10	U
2,4,5-Trichlorophenol	NE	<20	U	<20	U	<20	U
2,4,6-Trichlorophenol	NE	<20	U	<20	U	<20	U
2,4-Dichlorophenol	NE	<10	U	<10	U	<10	U
2,4-Dinitrophenol	NE	<100	U	<100	U	<100	U
2,4-Dinitrotoluene	NE	<10	U	<10	U	<10	U
2,6-Dinitrotoluene	NE	<10	U	<10	U	<10	U
2-Chloronaphthalene	NE	<10	U	<10	U	<10	U
2-Methylnaphthalene	NE	<10	U	<10	U	<10	U
2-Methylphenol(o-Cresol)	NE	<10	U	<10	U	<10	U
2-Nitroaniline	NE	<20	U	<20	U	<20	U
2-Nitrophenol	NE	<10	U	<10	U	<10	U
3,3-Dichlorobenzidine	NE	<40	U	<40	U	<40	U
4,6-Dinitro-2-methylphenol	NE	<40	U	<40	U	<40	U
4-Bromophenyl-phenylether	NE	<10	U	<10	U	<10	U
4-Chloro-3-methylphenol	NE	<20	U	<20	U	<20	U
4-Chloroaniline	NE	<10	U	<10	U	<10	U
4-Chlorophenyl-phenylether	NE	<10	U	<10	U	<10	U
4-Methylphenol(p-Cresol)	NE	<10	U	<10	U	<10	U
4-Nitroaniline	NE	<100	U	<100	U	<100	U
Acenaphthene	NE	<10	U	<10	U	<10	U
Acenaphthylene	NE	<10	U	<10	U	<10	U
Anthracene	NE	<10	U	<10	U	<10	U
Benz(a)anthracene	NE	<10	U	<10	U	<10	U
Benzo(a)pyrene	NE	<10	U	<10	U	<10	U
Benzo(b)fluoranthene	NE	<10	U	<10	U	<10	U
Benzo(g,h,i)perylene	NE	<10	U	<10	U	<10	U
Benzo(k)fluoranthene	NE	<10	U	<10	U	<10	U
Bis(2-chloroethyl)ether	NE	<10	U	<10	U	<10	U
Bis(2-chloroisopropyl)ether	NE	<10	U	<10	U	<10	U
Bis(2-ethylhexyl)phthalate	NE	<100	U	<100	U	<100	U
Butylbenzylphthalate	NE	<20	U	<20	U	<20	U
Chrysene	NE	<10	U	<10	U	<10	U
Di-n-butylphthalate	NE	<20	U	<20	U	<20	U
Di-n-octylphthalate	NE	<40	U	<40	U	<40	U
Dibenz(a,h)anthracene	NE	<20	U	<20	U	<20	U
Dibenzofuran	NE	<10	U	<10	U	<10	U
Dimethylphthalate	NE	<10	U	<10	U	<10	U
Fluoranthene	NE	<10	U	<10	U	<10	U
Fluorene	NE	<10	U	<10	U	<10	U
Indeno(1,2,3-c,d)pyrene	NE	<20	U	<20	U	<20	U
Isophorone	NE	<10	U	<10	U	<10	U
N-Nitroso-di-n-propylamine	NE	<10	U	<10	U	<10	U
N-Nitrosodiphenylamine	NE	<10	U	<10	U	<10	U
Naphthalene	NE	<10	U	<10	U	<10	U
Nitrobenzene	NE	<40	U	<40	U	<40	U
Pentachlorophenol	1	<40	U	<40	U	<40	U
Phenanthrene	NE	<10	U	<10	U	<10	U
Phenol	NE	<10	U	<10	U	<10	U
Pyrene	NE	<10	U	<10	U	<10	U

94-256 Reports/RcDcInSuRc (Rev 1/Tbls&Figs/Misc Tbls) (8/9/99/mc)

Bold Number = detection of analyte.

Shaded area with **bold number** = exceedance of MCL.

U = analyte not detected.

NA = analyte was not analyzed this quarter.

NE = none established.

TRC

TABLE F.1.11

GROUND WATER ANALYTICAL DATA FOR SEPTEMBER 1997
WASTE DISPOSAL, INC. SUPERFUND SITE

PARAMETERS	MAXIMUM CONTAMINANT LEVEL (MCL)	WELL IDENTIFICATION, SAMPLING DATES AND ANALYTICAL RESULTS													
METALS[1] (mg/L)	(mg/L)	GMW 01	Qual	GMW 02	Qual	GMW 03	Qual	GMW 04	Qual	GMW 05	Qual	GMW 06	Qual	GMW 07	Qual
Aluminum	NE	**0.024**		<0.1	U	**9**		**0.89**		<0.1	U	**1.9**		**0.33**	
Antimony	0.006	<0.1	U	<0.1	U	<0.1	U	<0.1	U	<0.1	U	<0.1	U	<0.1	U
Arsenic	0.05	**0.018**		<0.002	U	**0.01**		**0.0028**		**0.0039**		**0.0025**		<0.002	U
Barium	1,000	**0.60**		**0.028**		**0.31**		**0.043**		**0.033**		**0.06**		**0.028**	
Beryllium	0.004	**0.0012**		<0.001	U	<0.001	U	<0.001	U	<0.001	U	<0.001	U	<0.001	U
Cadmium	0.005	<0.005	U	<0.005	U	<0.005	U	<0.005	U	<0.001	U	**0.00028**		<0.005	U
Calcium	NE	NA		**280**		**280**		**330**		**360**		**210**		**260**	
Chromium	0.05	**0.042**		<0.01	U	**0.025**		<0.01	U	<0.01	U	**0.01**		**0.012**	
Cobalt	NE	<0.04	U	<0.04	U	<0.04	U	<0.04	U	<0.04	U	<0.04	U	<0.04	U
Copper	1	**0.055**		<0.02	U	<0.02	U	<0.02	U	<0.02	U	<0.02	U	<0.02	U
Iron	NE	**47**		**0.31**		**16**		**0.2**		**0.44**		**3.5**		**0.089**	
Lead	0.15	**0.014**		<0.002	U	**0.0031**		<0.002	U	<0.002	U	<0.002	U	<0.002	U
Magnesium	NE	NA		NA		NA		NA		NA		NA		NA	
Mercury	0.002	<0.0002	U	<0.0002	U	**0.0002**		<0.0002	U	<0.0002	U	<0.0002	U	<0.0002	U
Molybdenum	NE	<0.02	U	<0.02	U	<0.02	U	<0.02	U	<0.02	U	<0.02	U	<0.02	U
Nickel	NE	**0.053**		<0.04	U	<0.04	U	**0.054**		<0.04	U	<0.04	U	<0.04	U
Selenium	0.05	**0.0072**		**0.023**		**0.013**		**0.023**		**0.014**		**0.016**		**0.027**	
Silver	0.1	<0.01	U	<0.01	U	<0.01	U	**0.011**		<0.01	U	<0.01	U	**0.01**	
Thallium	0.002	<0.07	U	<0.07	U	<0.07	U	<0.07	U	<0.07	U	<0.07	U	<0.07	U
Vanadium	NE	**0.081**		<0.04	U	<0.04	U	<0.04	U	<0.04	U	<0.04	U	<0.04	U
Zinc	5	**0.1**		<0.01	U	**0.047**		**0.035**		<0.01	U	**0.019**		<0.01	U

(1) Dissolved Metals.

(2) GMW 09 was not sampled this quarter.

Bold Number = detection of analyte.

Shaded area with **bold number** = exceedance of MCL.

U = analyte not detected.

NA = analyte was not analyzed this quarter.

NE = none established.

TRC

TABLE F.1.11

GROUND WATER ANALYTICAL DATA FOR SEPTEMBER 1997
WASTE DISPOSAL, INC. SUPERFUND SITE

PARAMETERS	MAXIMUM CONTAMINANT LEVEL (MCL)	WELL IDENTIFICATION, SAMPLING DATES AND ANALYTICAL RESULTS[1]													
METALS[1] (mg/L)	(mg/L)	GMW 08	Qual	GMW 09[2]	Qual	GMW 10	Qual	GMW 11	Qual	GMW 13	Qual	GWM 14	Qual	GWM 15	Qual
Aluminum	NE	**6.8**				**1.9**		**12**		<0.1	U	**7.2**		**0.44**	
Antimony	0.006	<0.1	U			<0.1	U	<0.1	U	<0.1	U	<0.1	U	<0.1	U
Arsenic	0.05	**0.093**				**0.0056**		**0.01**		<0.002	U	**0.0064**		**0.0021**	
Barium	1,000	**0.29**				**0.087**		**0.17**		**0.025**		**0.14**		**0.028**	
Beryllium	0.004	<0.001	U			**0.0001**		**0.0001**		<0.001	U	<0.001	U	<0.001	U
Cadmium	0.005	<0.005	U			<0.005	U	<0.005	U	<0.001	U	**0.0052**		<0.001	U
Calcium	NE	NA				**180**		**270**		**280**		NA		**280**	
Chromium	0.05	<0.01	U			**0.01**		**0.018**		<0.01	U	**0.016**		<0.01	U
Cobalt	NE	<0.04	U			<0.04	U	<0.04	U	<0.04	U	<0.04	U	<0.04	U
Copper	1	<0.02	U			<0.02	U	**0.021**		<0.02	U	**0.922**		<0.02	U
Iron	NE	**23**				**3.1**		**18**		**0.36**		**13**		**0.67**	
Lead	0.15	**0.0031**				<0.002	U	**0.0025**		<0.002	U	**0.0038**		<0.002	U
Magnesium	NE	NA				NA		NA		NA		NA		NA	
Mercury	0.002	<0.0002	U			**0.0006**		<0.0002	U	**0.0004**		**0.0002**		**0.0002**	
Molybdenum	NE	<0.02	U			<0.02	U	<0.02	U	<0.02	U	<0.02	U	<0.02	U
Nickel	NE	<0.04	U			<0.04	U	<0.04	U	<0.04	U	<0.04	U	<0.04	U
Selenium	0.05	**0.0095**				**0.0046**		**0.013**		**0.0065**		<0.004	U	**0.031**	
Silver	0.1	<0.01	U			<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U
Thallium	0.002	<0.07	U			<0.07	U	<0.07	U	<0.07	U	<0.07	U	<0.07	U
Vanadium	NE	<0.04	U			<0.04	U	<0.04	U	<0.04	U	<0.04	U	<0.04	U
Zinc	5	**0.039**				**0.022**		**0.06**		<0.01	U	**0.039**		<0.01	U

(1) Dissolved Metals.

(2) GMW 09 was not sampled this quarter.

Bold Number = detection of analyte.

Shaded area with **bold number** = exceedance of MCL.

U = analyte not detected.

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NE = none established.

TRC

TABLE F.1.11

GROUND WATER ANALYTICAL DATA FOR SEPTEMBER 1997
WASTE DISPOSAL, INC. SUPERFUND SITE

PARAMETERS	MAXIMUM CONTAMINANT LEVEL (MCL)	WELL IDENTIFICATION, SAMPLING DATES AND ANALYTICAL RESULTS(1)													
METALS(1) (mg/L)	(mg/L)	GWM 16	Qual	GMW 18	Qual	GMW 19	Qual	GMW 21	Qual	GWM 22	Qual	GWM 23	Qual	GWM 24	Qual
Aluminum	NE	**0.77**		<0.1	U	<0.1		<0.1	U	**2.3**		**3.5**		**1.3**	
Antimony	0.006	<0.1	U	<0.1	U	<0.1	U	<0.1	U	<0.1	U	<0.1	U	<0.1	U
Arsenic	0.05	<0.002	U	<0.002	U	**0.0021**		<0.002	U	**0.0047**		**0.0038**		**0.0022**	
Barium	1.000	**0.027**		**0.022**		**0.017**		**0.024**		**0.09**		**0.11**		**0.044**	
Beryllium	0.004	<0.001	U	<0.001	U	<0.001	U	<0.001	U	<0.001	U	<0.001	U	<0.001	U
Cadmium	0.005	<0.001	U	**0.01**		**0.0094**		<0.005	U	<0.005	U	**0.0084**		<0.005	U
Calcium	NE	**260**		**270**		**270**		**200**		**230**			NA	**310**	
Chromium	0.05	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U
Cobalt	NE	<0.04	U	<0.04	U	<0.04	U	<0.04	U	<0.04	U	<0.04	U	<0.04	U
Copper	1	<0.02	U	<0.02	U	<0.02	U	<0.02	U	<0.02	U	<0.02	U	<0.02	U
Iron	NE	**0.75**		<0.04	U	<0.04	U	**0.25**		**3.9**		**5.8**		**2.4**	
Lead	0.15	<0.002	U	<0.002	U	<0.002	U	<0.002	U	<0.002	U	<0.002	U	<0.002	U
Magnesium	NE	NA		NA		NA		NA		NA		NA		NA	
Mercury	0.002	<0.0002	U	<0.0002	U	<0.0002	U	<0.0002	U	**0.0023**		**0.0002**		<0.0002	U
Molybdenum	NE	<0.02	U	<0.02	U	<0.02	U	<0.02	U	<0.02	U	<0.02	U	<0.02	U
Nickel	NE	<0.04	U	<0.04	U	<0.04	U	<0.04	U	<0.04	U	<0.04	U	<0.04	U
Selenium	0.05	**0.037**		**0.025**		**0.020**		**0.012**		<0.004	U	**0.012**		**0.024**	
Silver	0.1	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U	**0.01**		<0.01	U
Thallium	0.002	<0.07	U	<0.07	U	<0.07	U	<0.07	U	<0.07	U	<0.07	U	<0.07	U
Vanadium	NE	<0.04	U	<0.04	U	<0.04	U	<0.04	U	<0.04	U	<0.04	U	<0.04	U
Zinc	5	<0.01	U	<0.01	U	**0.12**		<0.01	U	**0.015**		**0.024**		**0.016**	

(1) Dissolved Metals.

(2) GMW 09 was not sampled this quarter.

Bold Number = detection of analyte.

Shaded area with **bold number** = exceedance of MCL.

U = analyte not detected.

NA = analyte was not analyzed this quarter.

NE = none established.

TRC

TABLE F.1.11

GROUND WATER ANALYTICAL DATA FOR SEPTEMBER 1997
WASTE DISPOSAL, INC. SUPERFUND SITE

PARAMETERS	MAXIMUM CONTAMINANT LEVEL (MCL)	WELL IDENTIFICATION, SAMPLING DATES AND ANALYTICAL RESULTS[1]											
METALS[1] (mg/L)	(mg/L)	GMW 26	Qual	GMW 27	Qual	GMW 28	Qual	GWM 29	Qual	GWM 30	Qual	GWM 31	Qual
Aluminum	NE	**4.5**		**10**		<0.1	U	**2.5**		<0.1	U	**0.17**	
Antimony	0.006	<0.1	U	<0.1	U	<0.1	U	<0.1	U	<0.1	U	<0.1	U
Arsenic	0.05	**0.0043**		**0.0084**		<0.002	U	**0.006**		<0.002	U	<0.002	U
Barium	1,000	**0.13**		**0.22**		**0.029**		**0.053**		**0.037**		**0.033**	
Beryllium	0.004	<0.001	U	**0.0011**		<0.001	U	<0.001	U	<0.001	U	<0.001	U
Cadmium	0.005	**0.0082**		**0.0061**		<0.005	U	**0.012**		<0.001	U	<0.001	U
Calcium	NE	**290**		**250**		**260**		**260**		**94**		**270**	
Chromium	0.05	<0.01	U	**0.027**		<0.01	U	**0.018**		<0.01	U	<0.01	U
Cobalt	NE	<0.04	U	<0.04	U	<0.04	U	<0.04	U	<0.04	U	<0.04	U
Copper	1	<0.02	U	**0.028**		<0.02	U	**0.02**		<0.02	U	<0.02	U
Iron	NE	**9**		**22**		<0.04	U	**3.5**		<0.04	U	**0.53**	
Lead	0.15	**0.0034**		**0.0088**		<0.002	U	**0.0051**		<0.002	U	<0.002	U
Magnesium	NE	NA		NA		NA		NA		NA		NA	
Mercury	0.002	**0.0007**		**0.0002**		<0.0002	U	<0.0002	U	<0.0002	U	**0.0002**	
Molybdenum	NE	<0.02	U	<0.02	U	<0.02	U	<0.02	U	<0.02	U	<0.02	U
Nickel	NE	<0.04	U	<0.04	U	<0.04	U	<0.04	U	<0.04	U	<0.04	U
Selenium	0.05	**0.019**		**0.012**		**0.021**		**0.022**		**0.023**		**0.026**	
Silver	0.1	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U
Thallium	0.002	<0.07	U	**0.074**		<0.07	U	<0.07	U	<0.07	U	<0.07	U
Vanadium	NE	<0.04	U	<0.04	U	<0.04	U	<0.04	U	<0.04	U	<0.04	U
Zinc	5	**0.036**		**0.063**		**0.011**		**0.021**		**0.017**		<0.01	U

94-256 Reports/ReDelnSuRe (Rev 1/Tbls&Figs/Misc Tbls) (7/29/99/rm)

(1) Dissolved Metals.

(2) GMW 09 was not sampled this quarter.

Bold Number = detection of analyte.

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NE = none established.

TRC

TABLE F.1.12

GROUND WATER ANALYTICAL DATA FOR FEBRUARY 1998
WASTE DISPOSAL, INC. SUPERFUND SITE

PARAMETERS	MAXIMUM CONTAMINANT LEVEL (MCL)	WELL IDENTIFICATION, SAMPLING DATES AND ANALYTICAL RESULTS													
METALS[1] (mg/L)	(mg/L)	GMW 01	Qual	GMW 02	Qual	GMW 03	Qual	GMW 04	Qual	GMW 05	Qual	GMW 06	Qual	GMW 07	Qual
Aluminum	NE	<0.1	U	<0.1	U	<0.1	U	<0.1	U	<0.1	U	<0.1	U	<0.1	U
Antimony	0.006	<0.1	U	<0.1	U	<0.1	U	<0.1	U	<0.1	U	<0.1	U	<0.1	U
Arsenic	0.05	<0.002	U	<0.002	U	<0.002	U	<0.002	U	**0.016**		<0.002	U	<0.002	U
Barium	1,000	**0.021**		**0.032**		**0.034**		**0.025**		**0.034**		**0.023**		**0.02**	
Beryllium	0.004	<0.001	U	<0.001	U	<0.001	U	<0.001	U	<0.001	U	<0.001	U	<0.001	U
Cadmium	0.005	<0.001	U	<0.001	U	<0.001	U	<0.001	U	<0.001	U	<0.001	U	<0.001	U
Calcium	NE	**240**		**270**		**300**		**290**		**310**		**250**		**220**	
Chromium	0.05	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U
Cobalt	NE	<0.04	U	<0.04	U	<0.04	U	<0.04	U	<0.04	U	<0.04	U	<0.04	U
Copper	1	<0.02	U	<0.02	U	**0.021**		<0.02	U	<0.02	U	<0.02	U	<0.02	U
Iron	NE	<0.04	U	**0.062**		**0.071**		<0.04	U	**0.88**		<0.04	U	<0.04	U
Lead	0.15	<0.002	U	<0.002	U	**0.0028**		**0.0058**		<0.002	U	<0.002	U	<0.002	U
Magnesium	NE	NA		NA		NA		NA		NA		NA		NA	
Mercury	0.002	<0.0002	U	<0.0002	U	<0.0002	U	<0.0002	U	<0.0002	U	<0.0002	U	<0.0002	U
Molybdenum	NE	<0.02	U	<0.02	U	<0.02	U	<0.02	U	<0.02	U	<0.02	U	<0.02	U
Nickel	NE	<0.04	U	<0.04	U	<0.04	U	<0.04	U	<0.04	U	<0.04	U	<0.04	U
Selenium	0.05	**0.014**		**0.018**		**0.019**		**0.015**		**0.0074**		**0.018**		**0.023**	
Silver	0.1	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U	**0.011**	
Thallium	0.002	<0.07	U	<0.07	U	<0.07	U	<0.07	U	<0.07	U	<0.07	U	<0.07	U
Vanadium	NE	<0.04	U	<0.04	U	<0.04	U	<0.04	U	<0.04	U	<0.04	U	<0.04	U
Zinc	5	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U	**0.01**		<0.01	U

(1) Dissolved Metals.
Bold Number = detection of analyte.
Shaded area with **bold number** = exceedance of MCL.
U = analyte not detected.
NA = analyte was not analyzed this quarter.
NE = none established.

TRC

TABLE F.1.12

GROUND WATER ANALYTICAL DATA FOR FEBRUARY 1998
WASTE DISPOSAL, INC. SUPERFUND SITE

PARAMETERS	MAXIMUM CONTAMINANT LEVEL (MCL)	WELL IDENTIFICATION, SAMPLING DATES AND ANALYTICAL RESULTS[1]													
METALS[1] (mg/L)	(mg/L)	GMW 08	Qual	GMW 09[2]	Qual	GMW 10	Qual	GMW 11	Qual	GMW 13	Qual	GWM 14	Qual	GWM 15	Qual
Aluminum	NE	<0.1	U	<0.1	U	<0.1	U	<0.1	U	<0.1	U	<0.1	U	<0.1	U
Antimony	0.006	<0.1	U	<0.1	U	<0.1	U	<0.1	U	<0.1	U	<0.1	U	<0.1	U
Arsenic	0.05	**0.027**		<0.002	U	<0.002	U	<0.002	U	<0.002	U	<0.002	U	<0.002	U
Barium	1.000	**0.026**		**0.017**		**0.05**		**0.036**		**0.023**		**0.026**		**0.025**	
Beryllium	0.004	<0.001	U	<0.001	U	<0.001	U	<0.001	U	<0.001	U	<0.001	U	<0.001	U
Cadmium	0.005	<0.001	U	<0.001	U	<0.001	U	<0.001	U	<0.001	U	<0.001	U	<0.001	U
Calcium	NE	**240**		**240**		**210**		**310**		**270**		**270**		**300**	
Chromium	0.05	<0.01	U	<0.01	U	<0.01	U	<0.01	U	**0.012**		<0.01	U	<0.01	U
Cobalt	NE	<0.04	U	<0.04	U	<0.04	U	<0.04	U	<0.04	U	<0.04	U	<0.04	U
Copper	1	<0.02	U	<0.02	U	<0.02	U	<0.02	U	<0.02	U	<0.02	U	<0.02	U
Iron	NE	**1.7**		<0.04	U	<0.04	U	**0.084**		<0.04	U	<0.04	U	**0.045**	
Lead	0.15	<0.002	U	<0.002	U	**0.0029**		**0.0025**		**0.0063**		**0.0066**		**0.0027**	
Magnesium	NE	NA		NA		NA		NA		NA		NA		NA	
Mercury	0.002	<0.0002	U	<0.0002	U	<0.0002	U	<0.0002	U	<0.0002	U	<0.0002	U	<0.0002	U
Molybdenum	NE	<0.02	U	<0.02	U	<0.02	U	<0.02	U	<0.02	U	<0.02	U	**0.0001**	
Nickel	NE	<0.04	U	<0.04	U	<0.04	U	<0.04	U	<0.04	U	<0.04	U	<0.04	U
Selenium	0.05	**0.0099**		**0.019**		**0.0064**		**0.023**		**0.0049**		<0.004	U	**0.024**	
Silver	0.1	<0.01	U	<0.01	U	<0.01	U	**0.011**		<0.01	U	<0.01	U	<0.01	U
Thallium	0.002	<0.07	U	<0.07	U	<0.07	U	<0.07	U	<0.07	U	<0.07	U	<0.07	U
Vanadium	NE	<0.04	U	<0.04	U	<0.04	U	<0.04	U	<0.04	U	<0.04	U	<0.04	U
Zinc	5	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U	**0.037**		<0.01	U

(1) Dissolved Metals.
Bold Number = detection of analyte.
Shaded area with **bold number** = exceedance of MCL.
U = analyte not detected.
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NE = none established.

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TABLE F.1.12

GROUND WATER ANALYTICAL DATA FOR FEBRUARY 1998
WASTE DISPOSAL, INC. SUPERFUND SITE

PARAMETERS	MAXIMUM CONTAMINANT LEVEL (MCL)	WELL IDENTIFICATION, SAMPLING DATES AND ANALYTICAL RESULTS(1)													
METALS(1) (mg/L)	(mg/L)	GWM 16	Qual	GMW 18	Qual	GMW 19	Qual	GWM 21	Qual	GWM 22	Qual	GWM 23	Qual	GWM 24	Qual
Aluminum	NE	<0.1	U	<0.1	U	<0.1	U	<0.1	U	<0.1	U	<0.1	U	<0.1	U
Antimony	0.006	<0.1	U	<0.1	U	<0.1	U	<0.1	U	<0.1	U	<0.1	U	<0.1	U
Arsenic	0.05	<0.002	U	<0.002	U	<0.002	U	0.002	U	<0.002	U	<0.002	U	<0.002	U
Barium	1.000	**0.022**		**0.023**		**0.019**		**0.027**		**0.051**		**0.024**		**0.028**	
Beryllium	0.004	<0.001	U	<0.001	U	<0.001	U	<0.001	U	<0.001	U	<0.001	U	<0.001	U
Cadmium	0.005	<0.001	U	<0.001	U	<0.001	U	<0.001	U	<0.001	U	<0.001	U	<0.001	U
Calcium	NE	**290**		**260**		**260**		**220**		**260**		**280**		**290**	
Chromium	0.05	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U
Cobalt	NE	<0.04	U	<0.04	U	<0.04	U	<0.04	U	<0.04	U	<0.04	U	<0.04	U
Copper	1	<0.02	U	<0.02	U	<0.02	U	<0.02	U	<0.02	U	<0.02	U	**0.025**	
Iron	NE	<0.04	U	**0.049**		<0.04	U	<0.04	U	<0.04	U	<0.04	U	<0.04	U
Lead	0.15	**0.004**		<0.002	U	<0.002	U	**0.0041**		<0.002	U	**0.002**		**0.0099**	
Magnesium	NE	NA		NA		NA		NA		NA		NA		NA	
Mercury	0.002	<0.0002	U	<0.0002	U	<0.0002	U	<0.0002	U	**0.0017**		<0.0002	U	<0.0002	U
Molybdenum	NE	<0.02	U	<0.02	U	<0.02	U	<0.02	U	<0.02	U	<0.02	U	<0.02	U
Nickel	NE	<0.04	U	<0.04	U	<0.04	U	<0.04	U	<0.04	U	<0.04	U	<0.04	U
Selenium	0.05	**0.023**		**0.028**		**0.017**		**0.014**		<0.004	U	**0.016**		**0.026**	
Silver	0.1	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U	**0.01**		<0.01	U
Thallium	0.002	<0.07	U	<0.07	U	<0.07	U	<0.07	U	<0.07	U	<0.07	U	<0.07	U
Vanadium	NE	<0.04	U	<0.04	U	<0.04	U	<0.04	U	<0.04	U	<0.04	U	<0.04	U
Zinc	5	<0.01	U	<0.01	U	<0.01	U	**0.049**		<0.01	U	<0.01	U	**0.016**	

(1) Dissolved Metals.
Bold Number = detection of analyte.
Shaded area with **bold number** = exceedance of MCL.
U = analyte not detected.
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TRC

TABLE F.1.12

GROUND WATER ANALYTICAL DATA FOR FEBRUARY 1998
WASTE DISPOSAL, INC. SUPERFUND SITE

PARAMETERS	MAXIMUM CONTAMINANT LEVEL (MCL)	WELL IDENTIFICATION, SAMPLING DATES AND ANALYTICAL RESULTS(1)											
METALS(1) (mg/L)	(mg/L)	GMW 26	Qual	GMW 27	Qual	GMW 28	Qual	GWM 29	Qual	GWM 30	Qual	GWM 31	Qual
Aluminum	NE	<0.1	U	<0.1	U	<0.1	U	<0.1	U	<0.1	U	<0.1	U
Antimony	0.006	<0.1	U	<0.1	U	<0.1	U	<0.1	U	<0.1	U	<0.1	U
Arsenic	0.05	<0.002	U	<0.002	U	<0.002	U	<0.002	U	<0.002	U	<0.002	U
Barium	1,000	**0.028**		**0.022**		**0.03**		**0.024**		**0.034**		**0.032**	
Beryllium	0.004	<0.001	U	<0.001	U	<0.001	U	<0.001	U	<0.001	U	<0.001	U
Cadmium	0.005	<0.001	U	<0.001	U	<0.001	U	<0.001	U	<0.001	U	<0.001	U
Calcium	NE	**250**		**230**		**250**		**250**		**97**		**290**	
Chromium	0.05	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U
Cobalt	NE	<0.04	U	<0.04	U	<0.04	U	<0.04	U	<0.04	U	<0.04	U
Copper	1	<0.02	U	<0.02	U	<0.02	U	<0.02	U	<0.02	U	<0.02	U
Iron	NE	<0.04	U	<0.04	U	<0.04	U	**0.092**		<0.04	U	<0.04	U
Lead	0.15	<0.002	U	**0.0028**		**0.0025**		**0.009**		**0.0021**		**0.0046**	
Magnesium	NE	NA		NA		NA		NA		NA		NA	
Mercury	0.002	**0.0016**		**0.0002**		<0.0002	U	<0.0002	U	<0.0002	U	<0.0002	U
Molybdenum	NE	<0.02	U	<0.02	U	<0.02	U	<0.02	U	<0.02	U	<0.02	U
Nickel	NE	<0.04	U	<0.04	U	<0.04	U	<0.04	U	<0.04	U	<0.04	U
Selenium	0.05	**0.021**		**0.02**		**0.026**		**0.02**		**0.021**		**0.014**	
Silver	0.1	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U
Thallium	0.002	<0.07	U	<0.07	U	<0.07	U	<0.07	U	<0.07	U	<0.07	U
Vanadium	NE	<0.04	U	<0.04	U	<0.04	U	<0.04	U	<0.04	U	<0.04	U
Zinc	5	**0.018**		**0.017**		**0.012**		<0.01	U	<0.01	U	<0.01	U

94-256 Reports/ReDelnSuRe (Rev 1/Tbls&Figs/Misc Tbls (7/29/99/m)

(1) Dissolved Metals.
Bold Number = detection of analyte.
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U = analyte not detected.
NA = analyte was not analyzed this quarter.
NE = none established.

TRC

TABLE F.1.13

GROUND WATER ANALYTICAL DATA FOR APRIL 1998
WASTE DISPOSAL, INC. SUPERFUND SITE

PARAMETERS	MAXIMUM CONTAMINANT LEVEL (MCL)	WELL IDENTIFICATION, SAMPLING DATES AND ANALYTICAL RESULTS[1]													
METALS[2] (mg/L)	(mg/L)	GMW 01	Qual	GMW 02	Qual	GMW 03	Qual	GMW 04	Qual	GMW 05	Qual	GMW 06	Qual	GMW 07	Qual
Aluminum	NE	**0.068**		**0.062**		<0.05	U	**0.1**		**0.071**		<0.05	U	<0.05	U
Antimony	0.006	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U
Arsenic	0.05	<0.005	U	<0.005	U	<0.005	U	<0.005	U	**0.0096**		<0.005	U	<0.005	U
Barium	1,000	**0.022**		**0.024**		**0.026**		**0.025**		**0.029**		**0.016**		**0.019**	
Beryllium	0.004	<0.002	U	<0.002	U	<0.002	U	<0.002	U	<0.002	U	<0.002	U	<0.002	U
Cadmium	0.005	<0.005	U	<0.005	U	<0.005	U	<0.005	U	<0.005	U	<0.005	U	<0.005	U
Calcium	NE	**250**		**220**		**260**		**270**		**250**		**90**		**330**	
Chromium	0.05	<0.005	U	<0.005	U	<0.005	U	<0.005	U	<0.005	U	<0.005	U	<0.005	U
Cobalt	NE	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U
Iron	NE	<0.02	U	<0.02	U	<0.02	U	<0.02	U	**0.74**		<0.02	U	<0.02	U
Lead	0.15	<0.005	U	<0.005	U	<0.005	U	<0.005	U	<0.005	U	<0.005	U	<0.005	U
Magnesium	NE	**80**		**78**		**84**		**82**		**87**		**60**		**110**	
Mercury	0.002	<0.0002	U	<0.0002	U	<0.0002	U	<0.0002	U	<0.0002	U	<0.0002	U	<0.0002	U
Manganese	NE	<0.02	U	<0.02	U	**0.068**		**0.02**		**2.9**		<0.02	U	**2.1**	
Nickel	NE	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U
Selenium	0.05	**0.039**		**0.025**		**0.046**		**0.039**		**0.014**		**0.027**		**0.024**	
Thallium	0.002	<0.005	U	<0.005	U	<0.005	U	<0.005	U	<0.005	U	<0.005	U	<0.005	U
Vanadium	NE	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U
Zinc	5	<0.02	U	<0.02	U	<0.02	U	<0.02	U	<0.02	U	<0.02	U	<0.02	U

(1) The difference in the metals parameter list between 2/98 and 4/98 is due to the fact that September 1997 and February 1998 samples were analyzed by VOC Analytical in Glendale, California. The remaining sampling episodes were analyzed by Del Mar Analytical located in Irvine, California.

(2) Dissolved Metals.

Bold Number = detection of analyte.

Shaded area with **bold number** = exceedance of MCL.

U = analyte not detected.

NA = analyte was not analyzed this quarter.

NE = none established.

TRC

TABLE F.1.13

GROUND WATER ANALYTICAL DATA FOR APRIL 1998
WASTE DISPOSAL, INC. SUPERFUND SITE

PARAMETERS	MAXIMUM CONTAMINANT LEVEL (MCL)	WELL IDENTIFICATION, SAMPLING DATES AND ANALYTICAL RESULTS[1]													
METALS[2] (mg/L)	(mg/L)	GMW 08	Qual	GMW 09[2]	Qual	GMW 10	Qual	GMW 11	Qual	GMW 13	Qual	GWM 14	Qual	GWM 15	Qual
Aluminum	NE	**0.072**		<0.05	U	<0.05	U	<0.05	U	<0.05	U	<0.05	U	<0.05	U
Antimony	0.006	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U
Arsenic	0.05	**0.019**		<0.005	U	<0.005	U	<0.005	U	<0.005	U	<0.005	U	<0.005	U
Barium	1,000	**0.032**		**0.019**		**0.039**		**0.028**		**0.02**		**0.023**		**0.02**	
Beryllium	0.004	<0.002	U	<0.002	U	<0.002	U	<0.002	U	<0.002	U	<0.002	U	<0.002	U
Cadmium	0.005	<0.005	U	<0.005	U	<0.005	U	<0.005	U	<0.005	U	<0.005	U	<0.005	U
Calcium	NE	**240**		**250**		**160**		**270**		**250**		**270**		**270**	
Chromium	0.05	<0.005	U	<0.005	U	<0.005	U	<0.005	U	<0.005	U	<0.005	U	<0.005	U
Cobalt	NE	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U
Iron	NE	**1.6**		<0.02	U	<0.02	U	<0.02	U	<0.02	U	<0.02	U	<0.02	U
Lead	0.15	<0.005	U	<0.005	U	<0.005	U	<0.005	U	<0.005	U	<0.005	U	<0.005	U
Magnesium	NE	**78**		**75**		**61**		**74**		**70**		**74**		**82**	
Mercury	0.002	<0.0002	U	<0.0002	U	<0.0002	U	<0.0002	U	**0.00022**		<0.0002	U	<0.0002	U
Manganese	NE	**4.6**		<0.02	U	**2.7**		**0.11**		**7.5**		**6.0**		<0.02	U
Nickel	NE	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U
Selenium	0.05	**0.03**		**0.024**		**0.011**		<0.005	U	**0.015**		**0.011**		**0.06**	
Thallium	0.002	<0.005	U	<0.005	U	**0.0076**		<0.005	U	<0.005	U	<0.005	U	<0.005	U
Vanadium	NE	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U
Zinc	5	<0.02	U	<0.02	U	<0.02	U	<0.02	U	<0.02	U	<0.02	U	<0.02	U

(1) The difference in the metals parameter list between 2/98 and 4/98 is due to the fact that September 1997 and February 1998 samples were analyzed by VOC Analytical in Glendale, California. The remaining sampling episodes were analyzed by Del Mar Analytical located in Irvine, California.

(2) Dissolved Metals.

Bold Number = detection of analyte.

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TABLE F.1.13

GROUND WATER ANALYTICAL DATA FOR APRIL 1998
WASTE DISPOSAL, INC. SUPERFUND SITE

PARAMETERS	MAXIMUM CONTAMINANT LEVEL (MCL)	WELL IDENTIFICATION, SAMPLING DATES AND ANALYTICAL RESULTS[1]													
METALS[2] (mg/L)	(mg/L)	GWM 16	Qual	GMW 18	Qual	GMW 19	Qual	GMW 21	Qual	GWM 22	Qual	GWM 23	Qual	GWM 24	Qual
Aluminum	NE	<0.05	U	**0.081**		<0.05	U	<0.05	U	**0.059**		**0.052**		**0.063**	
Antimony	0.006	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U
Arsenic	0.05	<0.005	U	<0.005	U	<0.005	U	<0.005	U	<0.005	U	<0.005	U	<0.005	U
Barium	1,000	**0.021**		**0.017**		**0.017**		**0.023**		**0.038**		**0.017**		**0.021**	
Beryllium	0.004	<0.002	U	<0.002	U	<0.002	U	<0.002	U	<0.002	U	<0.002	U	<0.002	U
Cadmium	0.005	<0.005	U	<0.005	U	<0.005	U	<0.005	U	<0.005	U	<0.005	U	<0.005	U
Calcium	NE	**270**		**220**		**240**		**230**		**200**		**240**		**240**	
Chromium	0.05	<0.005	U	<0.005	U	<0.005	U	<0.005	U	<0.005	U	<0.005	U	<0.005	U
Cobalt	NE	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U
Iron	NE	<0.02	U	<0.02	U	<0.02	U	<0.02	U	<0.02	U	<0.02	U	<0.02	U
Lead	0.15	<0.005	U	<0.005	U	<0.005	U	<0.005	U	<0.005	U	<0.005	U	<0.005	U
Magnesium	NE	**83**		**74**		**75**		**72**		**64**		**82**		**85**	
Mercury	0.002	<0.0002	U	<0.0002	U	<0.0002	U	<0.0002	U	<0.0002	U	<0.0002	U	<0.0002	U
Manganese	NE	**0.04**		<0.02	U	**3.2**		**3.7**		<0.02	U	**2.3**		**0.28**	
Nickel	NE	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U
Selenium	0.05	**0.059**		**0.053**		**0.031**		**0.016**		**0.0099**		**0.026**		**0.042**	
Thallium	0.002	<0.005	U	<0.005	U	<0.005	U	<0.005	U	<0.005	U	<0.005	U	<0.005	U
Vanadium	NE	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U
Zinc	5	<0.02	U	<0.02	U	<0.02	U	<0.02	U	<0.02	U	<0.02	U	<0.02	U

(1) The difference in the metals parameter list between 2/98 and 4/98 is due to the fact that September 1997 and February 1998 samples were analyzed by VOC Analytical in Glendale, California. The remaining sampling episodes were analyzed by Del Mar Analytical located in Irvine, California.

(2) Dissolved Metals.

Bold Number = detection of analyte.

Shaded area with **bold number** = exceedance of MCL.

U = analyte not detected.

NA = analyte was not analyzed this quarter.

NE = none established.

TRC

TABLE F.1.13

GROUND WATER ANALYTICAL DATA FOR APRIL 1998
WASTE DISPOSAL, INC. SUPERFUND SITE

PARAMETERS	MAXIMUM CONTAMINANT LEVEL (MCL)	WELL IDENTIFICATION, SAMPLING DATES AND ANALYTICAL RESULTS[1]											
METALS[2] (mg/L)	(mg/L)	GMW 26	Qual	GMW 27	Qual	GMW 28	Qual	GWM 29	Qual	GWM 30	Qual	GWM 31	Qual
Aluminum	NE	<0.05	U	**0.057**		<0.05	U	<0.05	U	<0.05	U	**0.11**	
Antimony	0.006	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U
Arsenic	0.05	<0.005	U	<0.005	U	<0.005	U	<0.005	U	<0.005	U	<0.005	U
Barium	1,000	**0.023**		**0.018**		**0.024**		**0.021**		**0.032**		**0.03**	
Beryllium	0.004	<0.002	U	<0.002	U	<0.002	U	<0.002	U	<0.002	U	<0.002	U
Cadmium	0.005	<0.005	U	<0.005	U	<0.005	U	<0.005	U	<0.005	U	<0.005	U
Calcium	NE	**260**		**190**		**240**		**230**		**93**		**270**	
Chromium	0.05	<0.005	U	<0.005	U	<0.005	U	<0.005	U	<0.005	U	<0.005	U
Cobalt	NE	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U
Iron	NE	<0.02	U	<0.02	U	<0.02	U	<0.02	U	<0.02	U	<0.02	U
Lead	0.15	<0.005	U	<0.005	U	<0.005	U	<0.005	U	<0.005	U	<0.005	U
Magnesium	NE	**78**		**71**		**72**		**70**		**25**		**78**	
Mercury	0.002	**0.00043**		<0.0002	U	<0.0002	U	<0.0002	U	<0.0002	U	<0.0002	U
Manganese	NE	**0.17**		**0.45**		<0.02	U	<0.02	U	<0.02	U	**0.028**	
Nickel	NE	<0.01	U	<0.01	U	<0.02	U	<0.02	U	<0.02	U	<0.02	U
Selenium	0.05	**0.044**		**0.027**		**0.038**		<0.005	U	**0.027**		**0.039**	
Thallium	0.002	**0.0075**		**0.0069**		<0.005	U	<0.005	U	<0.005	U	<0.005	U
Vanadium	NE	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U
Zinc	5	<0.02	U	<0.02	U	<0.02	U	<0.02	U	<0.02	U	<0.02	U

94-256 Reports/ReDelnSuRe (Rev 1/Tbls&Figs/Misc Tbls) (7/29/99/rm)

(1) The difference in the metals parameter list between 2/98 and 4/98 is due to the fact that September 1997 and February 1998 samples were analyzed by VOC Analytical in Glendale, California. The remaining sampling episodes were analyzed by Del Mar Analytical located in Irvine, California.

(2) Dissolved Metals.

Bold Number = detection of analyte.

Shaded area with **bold number** = exceedance of MCL.

U = analyte not detected.

NA = analyte was not analyzed this quarter.

NE = none established.

TRC

TABLE F.1.14

GROUND WATER ANALYTICAL DATA FOR JULY 1998
WASTE DISPOSAL, INC. SUPERFUND SITE

PARAMETERS	MAXIMUM CONTAMINANT LEVEL (MCL)	WELL IDENTIFICATION, SAMPLING DATES AND ANALYTICAL RESULTS[1]													
METALS[1] (mg/L)	(mg/L)	GMW 01	Qual	GMW 02	Qual	GMW 03	Qual	GMW 04	Qual	GMW 05	Qual	GMW 06	Qual	GMW 07	Qual
Aluminum	NE	<0.05	U	**0.2**		<0.05	U	<0.05	U	**0.12**		<0.05	U	<0.05	U
Antimony	0.006	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U
Arsenic	0.05	<0.005	U	<0.005	U	<0.005	U	<0.005	U	**0.0081**		<0.005	U	<0.005	U
Barium	1,000	**0.021**		**0.027**		**0.03**		**0.023**		**0.034**		**0.018**		**0.016**	
Beryllium	0.004	<0.002	U	<0.002	U	<0.002	U	<0.002	U	<0.002	U	<0.002	U	<0.002	U
Cadmium	0.005	<0.005	U	<0.005	U	<0.005	U	<0.005	U	<0.005	U	<0.005	U	<0.005	U
Calcium	NE	**240**		**260**		**300**		**260**		**300**		**200**		**240**	
Chromium	0.05	<0.005	U	<0.005	U	<0.005	U	<0.005	U	<0.005	U	<0.005	U	<0.005	U
Cobalt	NE	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U
Iron	NE	<0.02	U	**0.037**		<0.02	U	<0.02	U	**0.32**		<0.02	U	<0.02	U
Lead	0.15	<0.005	U	<0.005	U	<0.005	U	<0.005	U	0.0068	U	<0.005	U	<0.005	U
Magnesium	NE	**73**		**79**		**94**		**84**		**92**		**70**		**82**	
Mercury	0.002	<0.0002	U	<0.0002	U	<0.0002	U	<0.0002	U	<0.0002	U	<0.0002	U	<0.0002	U
Manganese	NE	<0.02	U	<0.02	U	<0.02	U	<0.02	U	**3.3**		<0.02	U	**0.10**	
Nickel	NE	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U
Selenium	0.05	**0.023**		**0.036**		<0.005	U	**0.038**		**0.017**		**0.024**		**0.034**	
Thallium	0.002	<0.005	U	<0.005	U	<0.005	U	<0.005	U	<0.005	U	<0.005	U	<0.005	U
Vanadium	NE	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U
Zinc	5	<0.02	U	<0.02	U	**0.029**		**0.021**		**0.026**		<0.02	U	<0.02	U

(1) Dissolved Metals.

Bold Number = detection of analyte.

Shaded area with **bold number** = exceedance of MCL.

U = analyte not detected.

NA = analyte was not analyzed this quarter.

NE = none established.

TRC

TABLE F.1.14

GROUND WATER ANALYTICAL DATA FOR JULY 1998
WASTE DISPOSAL, INC. SUPERFUND SITE

PARAMETERS	MAXIMUM CONTAMINANT LEVEL (MCL)	WELL IDENTIFICATION, SAMPLING DATES AND ANALYTICAL RESULTS[1]													
METALS[1] (mg/L)	(mg/L)	GMW 08	Qual	GMW 09[2]	Qual	GMW 10	Qual	GMW 11	Qual	GMW 13	Qual	GWM 14	Qual	GWM 15	Qual
Aluminum	NE	<0.05	U	**0.086**		<0.05	U	**0.095**		**0.098**		**0.14**		**0.056**	
Antimony	0.006	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U
Arsenic	0.05	**0.025**		<0.005	U	<0.005	U	<0.005	U	<0.005	U	<0.005	U	<0.005	U
Barium	1,000	**0.03**		**0.021**		**0.044**		**0.033**		**0.023**		**0.027**		**0.023**	
Beryllium	0.004	<0.002	U	<0.002	U	<0.002	U	<0.002	U	<0.002	U	<0.002	U	<0.002	U
Cadmium	0.005	<0.005	U	<0.005	U	<0.005	U	<0.005	U	<0.005	U	<0.005	U	<0.005	U
Calcium	NE	**250**		**270**		**190**		**290**		**260**		**290**		**270**	
Chromium	0.05	<0.005	U	<0.005	U	<0.005	U	<0.005	U	<0.005	U	<0.005	U	<0.005	U
Cobalt	NE	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U
Iron	NE	**1.7**		<0.02	U	<0.02	U	<0.02	U	<0.02	U	<0.02	U	<0.02	U
Lead	0.15	<0.005	U	<0.005	U	<0.005	U	**0.0051**		**0.0056**		<0.005	U	<0.005	U
Magnesium	NE	**77**		**81**		**61**		**85**		**74**		**80**		**87**	
Mercury	0.002	<0.0002	U	<0.0002	U	<0.0002	U	<0.0002	U	<0.0002	U	<0.0002	U	<0.0002	U
Manganese	NE	**4.4**		**0.86**		**2.8**		**0.14**		**7.8**		**6.4**		**1.7**	U
Nickel	NE	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U
Selenium	0.05	**0.021**		**0.033**		**0.013**		**0.04**		**0.011**		**0.023**		**0.048**	
Thallium	0.002	<0.005	U	<0.005	U	<0.005	U	<0.005	U	<0.005	U	<0.005	U	<0.005	U
Vanadium	NE	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U
Zinc	5	<0.02	U	<0.02	U	<0.02	U	<0.02	U	**0.021**		<0.02	U	<0.02	U

(1) Dissolved Metals.
Bold Number = detection of analyte.
Shaded area with **bold number** = exceedance of MCL.
U = analyte not detected.
NA = analyte was not analyzed this quarter.
NE = none established.

TRC

TABLE F.1.14

GROUND WATER ANALYTICAL DATA FOR JULY 1998
WASTE DISPOSAL, INC. SUPERFUND SITE

PARAMETERS	MAXIMUM CONTAMINANT LEVEL (MCL)	WELL IDENTIFICATION, SAMPLING DATES AND ANALYTICAL RESULTS[1]													
METALS[1] (mg/L)	(mg/L)	GWM 16	Qual	GMW 18	Qual	GMW 19	Qual	GMW 21	Qual	GWM 22	Qual	GWM 23	Qual	GWM 24	Qual
Aluminum	NE	<0.05	U	<0.05	U	<0.05	U	<0.005	U	**0.087**		**0.13**		**0.11**	
Antimony	0.006	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U
Arsenic	0.05	<0.005	U	<0.005	U	<0.005	U	<0.005	U	<0.005	U	<0.005	U	<0.005	U
Barium	1,000	**0.02**		**0.02**		**0.018**		**0.025**		**0.044**		**0.02**		**0.024**	
Beryllium	0.004	<0.002	U	<0.002	U	<0.002	U	<0.002	U	<0.002	U	<0.002	U	<0.002	U
Cadmium	0.005	<0.005	U	<0.005	U	<0.005	U	<0.005	U	<0.005	U	<0.005	U	<0.005	U
Calcium	NE	**260**		**230**		**250**		**220**		**240**		**290**		**300**	
Chromium	0.05	<0.005	U	<0.005	U	<0.005	U	<0.005	U	<0.005	U	<0.005	U	<0.005	U
Cobalt	NE	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U
Iron	NE	<0.02	U	<0.02	U	<0.02	U	<0.02	U	<0.02	U	<0.02	U	<0.02	U
Lead	0.15	<0.005	U	<0.005	U	<0.005	U	<0.005	U	<0.005	U	<0.005	U	**0.0057**	U
Magnesium	NE	**91**		**67**		**72**		**69**		**62**		**82**		**83**	
Mercury	0.002	<0.0002	U	<0.0002	U	<0.0002	U	<0.0002	U	**0.0016**		<0.0002	U	<0.0002	U
Manganese	NE	<0.02	U	<0.02	U	**2.8**		**3.1**		<0.02	U	**2.6**		**0.16**	
Nickel	NE	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U
Selenium	0.05	**0.054**		**0.047**		**0.031**		**0.019**		**0.0064**		**0.035**		**0.052**	
Thallium	0.002	<0.005	U	<0.005	U	<0.005	U	<0.005	U	<0.005	U	<0.005	U	<0.005	U
Vanadium	NE	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U
Zinc	5	<0.02	U	<0.02	U	<0.02	U	<0.02	U	**0.042**		**0.028**		**0.032**	

(1) Dissolved Metals.

Bold Number = detection of analyte.

Shaded area with **bold number** = exceedance of MCL.

U = analyte not detected.

NA = analyte was not analyzed this quarter.

NE = none established.

TRC

TABLE F.1.14

GROUND WATER ANALYTICAL DATA FOR JULY 1998
WASTE DISPOSAL, INC. SUPERFUND SITE

PARAMETERS	MAXIMUM CONTAMINANT LEVEL (MCL)	WELL IDENTIFICATION, SAMPLING DATES AND ANALYTICAL RESULTS(1)											
METALS(1) (mg/L)	(mg/L)	GMW 26	Qual	GMW 27	Qual	GMW 28	Qual	GWM 29	Qual	GWM 30	Qual	GWM 31	Qual
Aluminum	NE	**0.094**		**0.091**		<0.05	U	<0.05	U	<0.05	U	<0.05	U
Antimony	0.006	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U
Arsenic	0.05	<0.005	U	<0.005	U	<0.005	U	<0.005	U	<0.005	U	<0.005	U
Barium	1,000	**0.025**		**0.021**		**0.026**		**0.023**		**0.033**		**0.028**	
Beryllium	0.004	<0.002	U	<0.002	U	<0.002	U	<0.002	U	<0.002	U	<0.002	U
Cadmium	0.005	<0.005	U	<0.005	U	<0.005	U	<0.005	U	<0.005	U	<0.005	U
Calcium	NE	**280**		**240**		**240**		**230**		**91**		**250**	
Chromium	0.05	<0.005	U	<0.005	U	<0.005	U	<0.005	U	<0.005	U	<0.005	U
Cobalt	NE	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U
Iron	NE	<0.02	U	<0.02	U	<0.02	U	<0.02	U	<0.02	U	<0.02	U
Lead	0.15	<0.005	U	<0.005	U	<0.005	U	<0.005	U	<0.005	U	<0.005	U
Magnesium	NE	**83**		**68**		**73**		**71**		**28**		**76**	
Mercury	0.002	**0.00039**		<0.0002	U	<0.0002	U	<0.0002	U	<0.0002	U	<0.0002	U
Manganese	NE	**0.33**		**0.46**		<0.02	U	<0.02	U	<0.02	U	<0.02	U
Nickel	NE	<0.01	U	<0.01	U	<0.02	U	<0.02	U	<0.02	U	<0.01	U
Selenium	0.05	**0.047**		**0.037**		**0.038**		**0.038**		**0.028**		**0.036**	
Thallium	0.002	<0.005	U	<0.005	U	<0.005	U	<0.005	U	<0.005	U	<0.005	U
Vanadium	NE	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U
Zinc	5	<0.02	U	<0.02	U	<0.02	U	**0.037**		<0.02	U	<0.02	U

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(1) Dissolved Metals.
Bold Number = detection of analyte.
Shaded area with **bold number** = exceedance of MCL.
U = analyte not detected.
NA = analyte was not analyzed this quarter.
NE = none established.

TRC

TABLE F.1.15

GROUND WATER ANALYTICAL DATA FOR OCTOBER 1998
WASTE DISPOSAL, INC. SUPERFUND SITE

PARAMETERS	MAXIMUM CONTAMINANT LEVEL (MCL)	WELL IDENTIFICATION, SAMPLING DATES AND ANALYTICAL RESULTS[1]													
METALS[1] (mg/L)	(mg/L)	GMW 01	Qual	GMW 02	Qual	GMW 03	Qual	GMW 04	Qual	GMW 05	Qual	GMW 06	Qual	GMW 07	Qual
Aluminum	NE	**0.1**		<0.05	U	<0.05	U	**0.13**		**0.11**		**0.072**		**0.082**	
Antimony	0.006	<0.01	U	<0.01	U	<0.01	U	**0.011**		<0.01	U	<0.01	U	<0.01	U
Arsenic	0.05	<0.005	U	<0.005	U	<0.005	U	<0.005	U	**0.0077**		<0.005	U	<0.005	U
Barium	1,000	**0.025**		**0.028**		**0.028**		**0.024**		**0.03**		**0.017**		**0.017**	
Beryllium	0.004	<0.002	U	<0.002	U	<0.002	U	<0.002	U	<0.002	U	<0.002	U	<0.002	U
Cadmium	0.005	<0.005	U	<0.005	U	<0.005	U	<0.005	U	<0.005	U	<0.005	U	<0.005	U
Calcium	NE	**250**		**250**		**260**		**260**		**270**		**200**		**220**	
Chromium	0.05	<0.005	U	**0.005**		**0.005**	U	<0.005	U	<0.005	U	<0.005	U	<0.005	U
Cobalt	NE	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U
Iron	NE	<0.02	U	<0.02	U	<0.02	U	**0.074**		**0.57**		**0.57**		<0.02	U
Lead	0.15	<0.005	U	<0.005	U	<0.005	U	**0.005**		<0.005	U	<0.005	U	<0.005	U
Magnesium	NE	**75**		**78**		**81**		**83**		**87**		**68**		**75**	
Mercury	0.002	<0.0002	U	<0.0002	U	<0.0002	U	<0.0002	U	<0.0002	U	<0.0002	U	<0.0002	U
Manganese	NE	<0.02	U	<0.02	U	<0.02	U	<0.02	U	**3.7**		<0.02	U	<0.02	U
Nickel	NE	<0.01	U	<0.01	U	<0.01	U	**0.01**		<0.01	U	<0.01	U	<0.01	U
Selenium	0.05	**0.029**		**0.037**		**0.034**		**0.04**		**0.021**		**0.031**		**0.045**	
Thallium	0.002	<0.005	U	<0.005	U	<0.005	U	<0.005	U	<0.005	U	<0.005	U	<0.005	U
Vanadium	NE	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U
Zinc	5	<0.02	U	<0.02	U	<0.02	U	**0.024**		**0.027**		<0.02	U	<0.02	U

(1) Dissolved Metals.
Bold Number = detection of analyte.
Shaded area with **bold number** = exceedance of MCL.
U = analyte not detected.
NA = analyte was not analyzed this quarter.
NE = none established.

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TABLE F.1.15

GROUND WATER ANALYTICAL DATA FOR OCTOBER 1998
WASTE DISPOSAL, INC. SUPERFUND SITE

PARAMETERS	MAXIMUM CONTAMINANT LEVEL (MCL)	WELL IDENTIFICATION, SAMPLING DATES AND ANALYTICAL RESULTS[1]													
METALS[1] (mg/L)	(mg/L)	GMW 08	Qual	GMW 09[2]	Qual	GMW 10	Qual	GMW 11	Qual	GMW 13	Qual	GWM 14	Qual	GWM 15	Qual
Aluminum	NE	<0.05	U	**0.13**		**0.13**		**0.12**		**0.11**		**0.12**		**0.11**	
Antimony	0.006	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U
Arsenic	0.05	**0.018**		<0.005	U	<0.005	U	<0.005	U	<0.005	U	<0.005	U	<0.005	U
Barium	1,000	**0.029**		**0.021**		**0.042**		**0.028**		**0.021**		**0.023**		**0.023**	
Beryllium	0.004	<0.002	U	<0.002	U	<0.002	U	<0.002	U	<0.002	U	<0.002	U	<0.002	U
Cadmium	0.005	<0.005	U	<0.005	U	<0.005	U	<0.005	U	<0.005	U	<0.005	U	<0.005	U
Calcium	NE	**250**		**290**		**200**		**310**		**240**		**250**		**260**	
Chromium	0.05	<0.005	U	**0.0056**		<0.005	U	<0.005	U	<0.005	U	<0.005	U	<0.005	U
Cobalt	NE	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U
Iron	NE	**0.97**		<0.02	U	<0.02	U	<0.02	U	<0.02	U	<0.02	U	<0.02	U
Lead	0.15	<0.005	U	<0.005	U	<0.005	U	**0.006**		<0.005	U	<0.005	U	<0.005	U
Magnesium	NE	**79**		**78**		**55**		**81**		**70**		**78**		**83**	
Mercury	0.002	<0.0002	U	<0.0002	U	<0.0002	U	<0.0002	U	<0.0002	U	<0.0002	U	<0.0002	U
Manganese	NE	**3.9**		<0.02	U	**2.9**		**0.037**		**7.7**		**6.6**		**2.7**	
Nickel	NE	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U
Selenium	0.05	**0.017**		**0.037**		**0.02**		**0.046**		**0.017**		**0.024**		**0.052**	
Thallium	0.002	<0.005	U	<0.005	U	<0.005	U	<0.005	U	<0.005	U	<0.005	U	<0.005	U
Vanadium	NE	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U
Zinc	5	<0.02	U	<0.02	U	<0.02	U	<0.02	U	**0.029**		<0.02	U	<0.02	U

(1) Dissolved Metals.
Bold Number = detection of analyte.
Shaded area with **bold number** = exceedance of MCL.
U = analyte not detected.
NA = analyte was not analyzed this quarter.
NE = none established.

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TABLE F.1.15

GROUND WATER ANALYTICAL DATA FOR OCTOBER 1998
WASTE DISPOSAL, INC. SUPERFUND SITE

PARAMETERS	MAXIMUM CONTAMINANT LEVEL (MCL)	WELL IDENTIFICATION, SAMPLING DATES AND ANALYTICAL RESULTS(1)													
METALS(1) (mg/L)	(mg/L)	GWM 16	Qual	GMW 18	Qual	GMW 19	Qual	GMW 21	Qual	GWM 22	Qual	GWM 23	Qual	GWM 24	Qual
Aluminum	NE	**0.096**		<0.05	U	**0.079**		<0.005	U	**0.1**		**0.12**		**0.089**	
Antimony	0.006	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U
Arsenic	0.05	<0.005	U	<0.005	U	<0.005	U	<0.005	U	<0.005	U	<0.005	U	<0.005	U
Barium	1,000	**0.02**		**0.02**		**0.015**		**0.031**		**0.042**		**0.019**		**0.023**	
Beryllium	0.004	<0.002	U	<0.002	U	<0.002	U	<0.002	U	<0.002	U	<0.002	U	<0.002	U
Cadmium	0.005	<0.005	U	<0.005	U	<0.005	U	<0.005	U	<0.005	U	<0.005	U	<0.005	U
Calcium	NE	**250**		**240**		**240**		**210**		**250**		**260**		**270**	
Chromium	0.05	<0.005	U	<0.005	U	<0.005	U	<0.005	U	<0.005	U	<0.005	U	<0.005	U
Cobalt	NE	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U
Iron	NE	<0.02	U	<0.02	U	<0.02	U	<0.02	U	<0.02	U	<0.02	U	<0.02	U
Lead	0.15	<0.005	U	<0.005	U	<0.005	U	<0.005	U	<0.005	U	<0.005	U	<0.005	U
Magnesium	NE	**88**		**82**		**78**		**73**		**60**		**83**		**82**	
Mercury	0.002	<0.0002	U	<0.0002	U	**0.001**		<0.0002	U	**0.0017**		<0.0002	U	<0.0002	U
Manganese	NE	<0.02	U	<0.02	U	**2.5**		**3.3**		<0.02	U	**2.4**		**0.14**	
Nickel	NE	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U
Selenium	0.05	**0.064**		**0.047**		**0.04**		**0.011**		**0.016**		**0.036**		**0.05**	
Thallium	0.002	<0.005	U	<0.005	U	<0.005	U	<0.005	U	<0.005	U	<0.005	U	<0.005	U
Vanadium	NE	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U
Zinc	5	**0.029**		<0.02	U	<0.02	U	<0.02	U	<0.02	U	<0.02	U	**0.028**	

(1) Dissolved Metals.

Bold Number = detection of analyte.

Shaded area with **bold number** = exceedance of MCL.

U = analyte not detected.
NA = analyte was not analyzed this quarter.
NE = none established.

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TABLE F.1.15

GROUND WATER ANALYTICAL DATA FOR OCTOBER 1998
WASTE DISPOSAL, INC. SUPERFUND SITE

PARAMETERS	MAXIMUM CONTAMINANT LEVEL (MCL)	WELL IDENTIFICATION, SAMPLING DATES AND ANALYTICAL RESULTS(1)											
METALS(1) (mg/L)	(mg/L)	GMW 26	Qual	GMW 27	Qual	GMW 28	Qual	GWM 29	Qual	GWM 30	Qual	GWM 31	Qual
Aluminum	NE	**0.13**		**0.16**		<0.05	U	**0.07**		<0.05	U	**0.11**	
Antimony	0.006	<0.01	U	**0.012**		<0.01	U	<0.01	U	<0.01	U	<0.01	U
Arsenic	0.05	<0.005	U	<0.005	U	<0.005	U	<0.005	U	<0.005	U	<0.005	U
Barium	1,000	**0.024**		**0.019**		**0.026**		**0.023**		**0.034**		**0.03**	
Beryllium	0.004	<0.002	U	<0.002	U	<0.002	U	<0.002	U	<0.002	U	<0.002	U
Cadmium	0.005	<0.005	U	<0.005	U	<0.005	U	<0.005	U	<0.005	U	<0.005	U
Calcium	NE	**290**		**260**		**240**		**230**		**90**		**260**	
Chromium	0.05	<0.005	U	<0.005	U	<0.005	U	<0.005	U	<0.005	U	<0.005	U
Cobalt	NE	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U
Iron	NE	<0.02	U	<0.02	U	<0.02	U	<0.02	U	<0.02	U	**0.062**	
Lead	0.15	<0.005	U	**0.0067**		<0.005	U	<0.005	U	<0.005	U	<0.005	U
Magnesium	NE	**78**		**72**		**80**		**84**		**28**		**77**	
Mercury	0.002	**0.00058**		<0.0002	U	<0.0002	U	<0.0002	U	<0.0002	U	<0.0002	U
Manganese	NE	**0.27**		**0.49**		<0.02	U	<0.02	U	<0.02	U	<0.02	U
Nickel	NE	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U
Selenium	0.05	**0.052**		**0.0512**		**0.038**		**0.043**		**0.029**		**0.041**	
Thallium	0.002	<0.005	U	<0.005	U	<0.005	U	<0.005	U	<0.005	U	<0.005	U
Vanadium	NE	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U	<0.01	U
Zinc	5	<0.02	U	<0.02	U	<0.02	U	<0.02	U	<0.02	U	**0.033**	

(1) Dissolved Metals.

Bold Number = detection of analyte.

Shaded area with **bold number** = exceedance of MCL.

U = analyte not detected.
NA = analyte was not analyzed this quarter.
NE = none established.

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APPENDIX G

1998 STORMWATER POLLUTION PREVENTION
PLAN DATA
(DATA WAS NOT INCLUDED IN PREVIOUS SUBMISSION. HARD COPY OF DATA NOW PROVIDED. THIS APPENDIX WAS PREVIOUSLY PROVIDED ON CD-ROM IN DISK 2 OF 2 THE APRIL 1999 SUBMISSION.)

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TRC *Environmental Solutions Inc.*

WASTE DISPOSAL, INC. SUPERFUND SITE STORMWATER POLLUTION PREVENTION PLAN (Rev. 0)

Prepared for

Waste Disposal, Inc. Group

Santa Fe Springs, California

Prepared by

TRC

Irvine, California

Project No. 94-256
April 1998

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1.0 INTRODUCTION

1. This Stormwater Pollution Prevention Plan (SWPPP) has been prepared by the Waste Disposal, Inc. Group (WDIG) at the request of the Environmental Protection Agency (EPA), for implementation at the Waste Disposal, Inc. Superfund Site (Site) in Santa Fe Springs, California. This SWPPP has been designed around the site specific conditions at the Site.

2. To facilitate agency review, this SWPPP is arranged in the topical order suggested for the SWPPP in Code of Federal Regulations (CFR), Title 40.

2.0 CURRENT MANAGEMENT PRACTICES

2.1 OBJECTIVES

1. The SWPPP has two major objectives. The first is to identify existing and potential sources of pollution which may affect the quality of stormwater discharges associated with the Site. The second is to propose and implement the necessary practices that will reduce the introduction of the potential pollutants into stormwater discharges associated with specific areas of the Site.

2. This SWPPP is designed to cover only vacant (undeveloped) areas of the Site (Areas 2, 3, 4 and 7) herein, identified as Subject Areas (SA). The remaining areas (Areas 1, 5, 6 and 8) have existing or abandoned light industrial businesses which are responsible for their own stormwater management practices. Figure 1 shows the site boundary areas covered under this SWPPP and stormwater monitoring points. The existing Best Management Practices (BMPs) employed to reduce pollutant runoff at the Site are detailed in the following subsections.

2.2 SIGNIFICANT MATERIALS TREATED, STORED, DISPOSED, SPILLED OR LEAKED

1. Since the Site was closed as a waste disposal facility in the mid to late 1960s, no known materials have been treated, stored, disposed, spilled, or leaked in significant quantities in the SA.

2.6 NONSTRUCTURAL CONTROLS

1. Several signs at designated areas identify the site as a Superfund and that no waste is to be dumped at the Site.

3.0 INDUSTRIAL STORMWATER DISCHARGE TREATMENT FACILITIES

1. There are no industrial stormwater discharge treatment facilities required or existing at the Site.

4.0 MATERIAL STORAGE, HANDLING, AND DISPOSAL PRACTICES

1. The SA does not have any material handling or disposal practices occurring. The materials stored at the site have been identified in Section 2.3 of this SWPPP. These materials will be properly disposed during the Remedial Action activities for the Site.

5.0 POTENTIAL POLLUTANTS

1. There are no known sources of potential surface pollutants to stormwater runoff from the SA. The stored material at the site is not considered a potential pollutant source for the following reasons:
   - Liquids collected at the site are stored in 6,000-gallon sealed Baker Tanks.
   - Older 55-gallon steel drums generated from EPA's Remedial Investigation/Feasibility Study (RI/FS) investigations some of which have lost structural integrity, are stored in a contained (bermed) area located in Area 2. Disposal of these materials are currently under discussion with EPA and will be implemented within a reasonable time.
   - Newer 55-gallon steel drums generated from WDIG's Predesign and Remedial Design (RD) investigations, which are in good condition, are expected to remain at the site until their contents are disposed.

9.3 GOOD HOUSEKEEPING

1. Since there is generally no activity at the Site other than periodic investigative work, no formal housekeeping plan is necessary. There are provisions in the Site Security Plan to maintain fences, signage and provide site security. Investigation workplans for the Site include housekeeping practices such as sampling waste disposal procedures.

9.4 SPILL PREVENTION AND RESPONSE

1. The purged ground water and decontamination water contained in the two 6,000-gallon Baker Tanks plan to be discharged to the surface following approval from the EPA. There are no other materials at the site that could cause a spill in the SA.

9.5 ADDITIONAL STORMWATER MANAGEMENT PRACTICES

1. As discussed in Appendix A, the stormwater is sampled and analyzed to obtain approval from agencies (EPA, RWQCB and Santa Fe Springs Fire Department) prior to discharging the stored water to the storm drain shown in Figure 1.

2. Stormwater samples will be collected from all stormwater collection tanks on an as-needed basis (i.e., when tanks reach full storage capacity). Additionally, once during each rainy season one sample will be collected from each of the three locations, MP-1 to MP-3. Samples will be collected under the guidelines described in the site SAP and QAPP. Laboratory analysis of the stormwater samples will include the following constituents: oil and grease, specific conductance, total suspended solids (TSS), metals (priority list), Total Organic Carbon (TOC), priority pollutants (EPA Method 8260), iron and pH. These constituents are identified in a letter from the EPA dated February 25, 1998, and from the SWRCB Industrial Activities Storm Water General Permit[2]. Refer to Appendix C for these documents.

3. Analytical results will be submitted to the agencies noted above prior to discharging the stored water to the storm drain.

9.6 SEDIMENT AND EROSION PREVENTION

1. The Site is covered with natural vegetation which minimizes surface erosion from occurring at the Site.

---

[2] Page 27 and Table D [(Sector L (Landfills and Landfill Application Sites)] of the Permit List the additional constituents

TABLE 1

STORMWATER CHEMISTRY
ANALYTICAL DATA
WASTE DISPOSAL, INC. SUPERFUND SITE

PARAMETER TYPE	PARAMETER (mg/L)	CAL-EPA[1] MCL (mg/L)	U.S. EPA[2] MCL (mg/L)	COLLECTION TANK I.D., SAMPLING DATE AND ANALYTICAL RESULTS		
				BKRTNK159N (2/24/98)	BKRTNK593P (2/24/98)	BKRTNK732N (2/24/98)
General	Biochemical Oxygen Demand	--	--	ND	ND	ND
	pH (pH units)	--	6.5-8.5[4]	7.4	7.6	7.5
	Specific Conductance (µmhos/cm)	--	--	930	810	1,400
	Total Dissolved Solids	500[5]	500[4]	610	590	1,000
	Total Hardness	--	--	290	250	450
	Total Suspended Solids	75	--	4.7	31	36
Major Cations	Orthophosphate	--	--	ND	ND	ND
	Calcium	--	--	85	74	130
	Magnesium	--	--	18	16	30
	Sodium	--	--	64	58	110
Major Anions	Nitrate	45[6]	10[7]	45	33	81
	Nitrite - NO_2	--	1.0	ND	ND	ND
	Phosphorus (as P)	--	--	0.55	ND	ND
Metals	Aluminum	1	0.05-0.2[5]	2.5	2.7	2.1
	Antimony	--	0.006	ND	ND	ND
	Arsenic	--	0.05	0.0098	0.0094	0.0067
	Barium	1	2	0.10	0.093	0.11
	Beryllium	--	0.004	ND	ND	ND
	Boron	--	--	1.1	0.88	1.5
	Cadmium	0.01	0.05	ND	ND	ND
	Chromium (Total)	0.05	0.10	0.0053	0.0063	ND
	Cobalt	--	--	ND	ND	ND
	Copper	1.0[4]	1.3[5]	0.036	0.045	0.042
	Iron	0.3[4]	0.3[5]	5.1	4.4	3.5
	Lead	0.05	0.015	0.0089	0.0096	0.012
	Manganese	0.05[4]	0.05[5]	0.13	0.11	0.095
	Mercury	0.002	0.002	ND	ND	ND
	Molybdenum	--	--	ND	ND	ND
	Nickel	--	0.1	0.018	0.020	ND
	Selenium	0.01	0.05	ND	ND	ND
	Silver	0.05	0.1[5]	ND	ND	ND
	Thallium	--	0.002	ND	ND	ND
	Vanadium	--	--	0.011	0.015	0.011
	Zinc	5[4]	5[5]	0.088	0.096	0.11
Petroleum Hydrocarbons	Oil and Grease	--	--	<1.0	<1.0	<1.0
	Total Recoverable Petroleum Hydrocarbons	--	--	<1.0	<1.0	<1.0
	Volatile Fuel Hydrocarbons (ppb)	--	--	<50	<50	<50
Organics	VOCs[8]	--	--	ND	ND	ND

94-256/Rpts/WDISt/PrPl (4/3/98/dh)

(1) California EPA Maximum Contaminant Level, California Code of Regulations, Title 22, Article 8, Section 64473, 1993.
(2) U.S. EPA Maximum Contaminant Level, 40 Code of Federal Regulations, 141.60.
(3) Insufficient volume/flow of stormwater during sampling event.
(4) U.S. EPA Secondary Maximum Contaminant Level.
(5) Secondary Drinking Water Standards Maximum Contaminant Level.
(6) Nitrate as NO_3.
(7) Total nitrate/nitrite as nitrogen.
(8) Includes all EPA Method 8260 analytes.

ND = Not detected at or above detection limit. Laboratory detection limits are contained in the laboratory analysis results.
-- = Not established.

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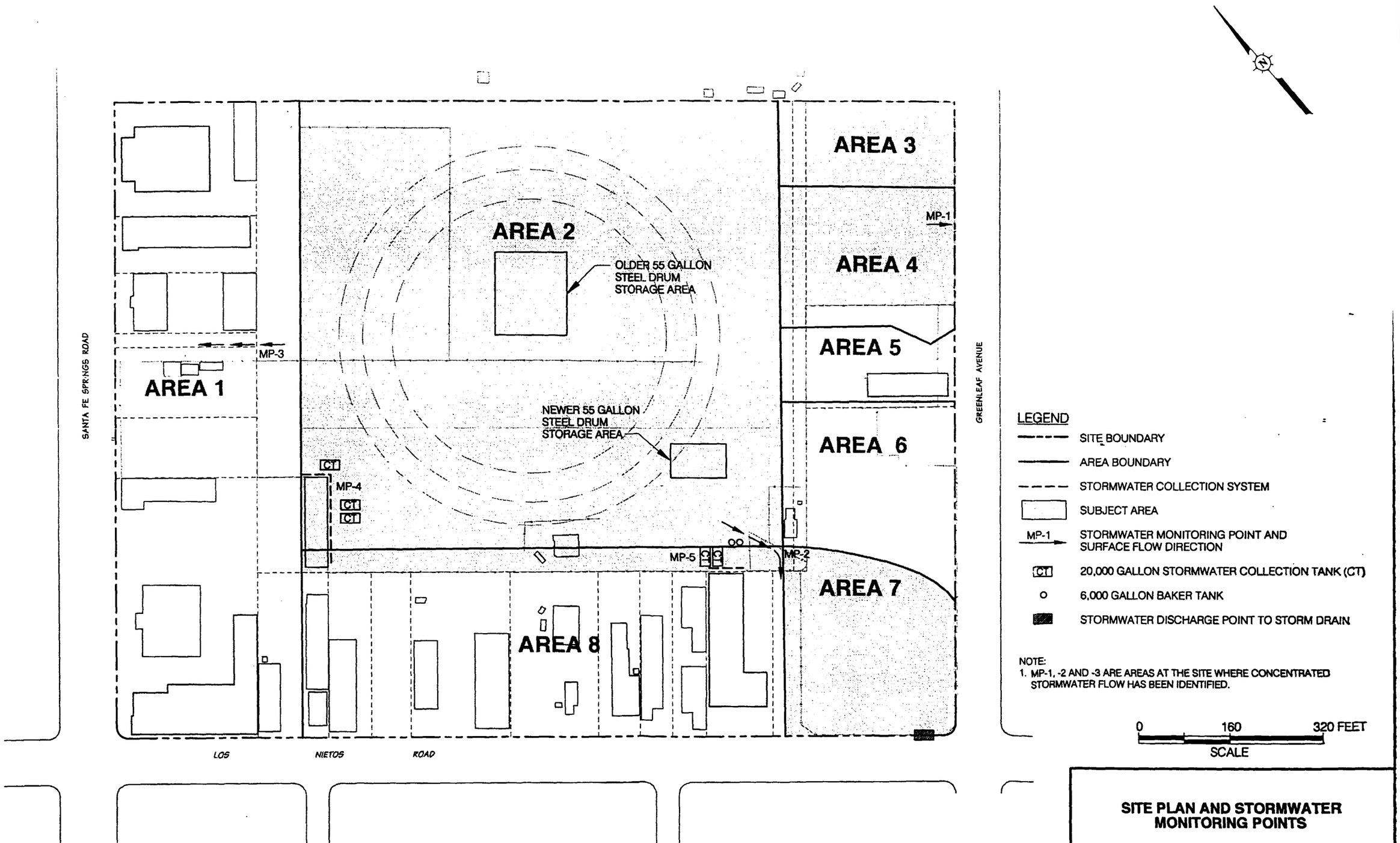
94-256SPPP-01 REV. 04/03/98



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SITE PLAN AND STORMWATER MONITORING POINTS

WASTE DISPOSAL, INC.
SANTA FE SPRINGS, CALIFORNIA

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FIGURE 1

APPENDIX A

STORMWATER COLLECTION SYSTEMS

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WASTE DISPOSAL INC. SUPERFUND SITE

Project Coordinator

March 5, 1998 Project No. 94-256

Mr. Mark Filippini
U.S. Environmental Protection Agency
75 Hawthorne Street, No. H-7-2
San Francisco, California 94105-3901

Transmittal
Summary of Stormwater Related Activities
Waste Disposal, Inc. Superfund Site

Dear Mr. Filippini:

As requested in EPA's February 25, 1998 letter, provided herein is a summary of the various activities the WDIG has implemented to mitigate stormwater related issues at the site. Figure 1 shows a site plot plan which indicates the site areas where these activities have been performed. The following summarizes the stormwater related actions that have been implemented at each of the site locations indicated:

- C&E Die (12637 B Los Nietos Road, Location [1]):
  - To prevent flooding of the C&E Die building, a drainage system was constructed on February 13, February 16, and March 2, 1998 along the north and east sides of the building (see Figures 2A and B).
  - The drainage system has been designed to pump surface water adjacent to the building directly to three onsite Baker Tanks. The water is collected in four sumps and then pumped to the tanks using automatic sump pumps.
  - The collected water is sampled and analyzed using Regional Water Quality Control Board (RWQCB) procedures. The water is then discharged to a storm drain in compliance with RWQCB and Santa Fe Springs Fire Department (SFSFD) standards.
- Buffalo Bullet (12637 A Los Nietos Road, Location [2]):
  - The trench for the drainage system at C&E Die was extended to the south approximately 20 feet on February 27, 1998 along the east wall of Buffalo Bullet to prevent reoccurrence of flooding of the interior space (see Figures 2A and B). Trenched soils were retained onsite and covered by visqueen.
  - Electrical service for the pumps for both C&E Die and Buffalo Bullet have been fitted with ground fault interpreters to help prevent a public health and safety risk.

- WDIG has assisted Buffalo Bullet in removing the water, and replacing water damaged tile and carpet.
- WDIG is evaluating potential long term modification to the collection system.

- H&H Contractors (12811 E and F Los Nietos Road, Location [3]):
  - A collection trench and french drain system was installed on March 2, 1998 approximately 10 feet to the north of H&H Contractors building. Figure 3 shows the drainage system construction details. Water collected in this trench will be pumped and contained in a Baker Tank for analysis prior to discharging into a storm drain.
- Mersits Equipment Rental (9640 Santa Fe Springs Road, Location [4]):
  - Sandbags have been placed on the east side of the Mersits Property to divert the stormwater runoff to the north onto the paved driveway to facilitate drainage.
- Gold Coast Refractory (9630 Santa Fe Springs Road, Location [5]):
  - Sandbags have been provided to the building owners to facilitate any potential stormwater issues.
- St. Paul's High School (North Boundary of Site, Location [6]):
  - During a major storm event the site will be monitored for runoff onto the school's property. If necessary, sandbags will be placed along the north side to direct runoff towards Greenleaf Avenue.
- Greenleaf Avenue (East Boundary of Site, Location [7]):
  - Sandbags have been placed in an area where significant runoff has been observed. The sandbags will facilitate in reducing the volume of runoff in a concentrated area.

Collected stormwater monitoring has been performed according to agreements between EPA and WDIG. The following bullets summarize the stormwater monitoring that has been performed and proposed site monitoring during major storm events:

- Analysis of Stormwater Contained in Baker Tanks:
  - Stored water contained in the three onsite Baker Tanks adjacent to C&E Die was sampled and analyzed for the following constituents: oil and grease, specific conductance, suspended solids, metals, priority pollutants, and pH.
  - Analytical results indicated the water was acceptable to discharge to the storm drain (see Attachment 1).
  - The results of the analyses were submitted to EPA, RWQCB and the SFSFD for review on February 27, 1998.

- The stored water was discharged on March 3 and 4, 1998 to the storm drain located at the corner of Greenleaf Avenue and Los Nietos Road.

- Site Wide Monitoring
  - During major storm events (i.e. greater than 2" precipitation during a 24-hour period), the site will be monitored at approximately 4-hour intervals to assure the control systems are functioning properly.
  - During major storm events, the site will be monitored for runoff problems and slope movement. If problems are observed EPA will be contacted.

Please call with any questions or comments you may have at (562) 692-4535.

Sincerely,

Ian Webster /kp

Ian Webster
WDIG Project Coordinator

IW/MG:js
Attachments

cc: Andria Benner, EPA
Pat Hotra, SCAQMD
Neal Navarro, Army Corps of Engineers
Andy Lazzaretto, City of Santa Fe Springs
Virginia Maloles, LA County DOHS
Clement Walsh, CADHS
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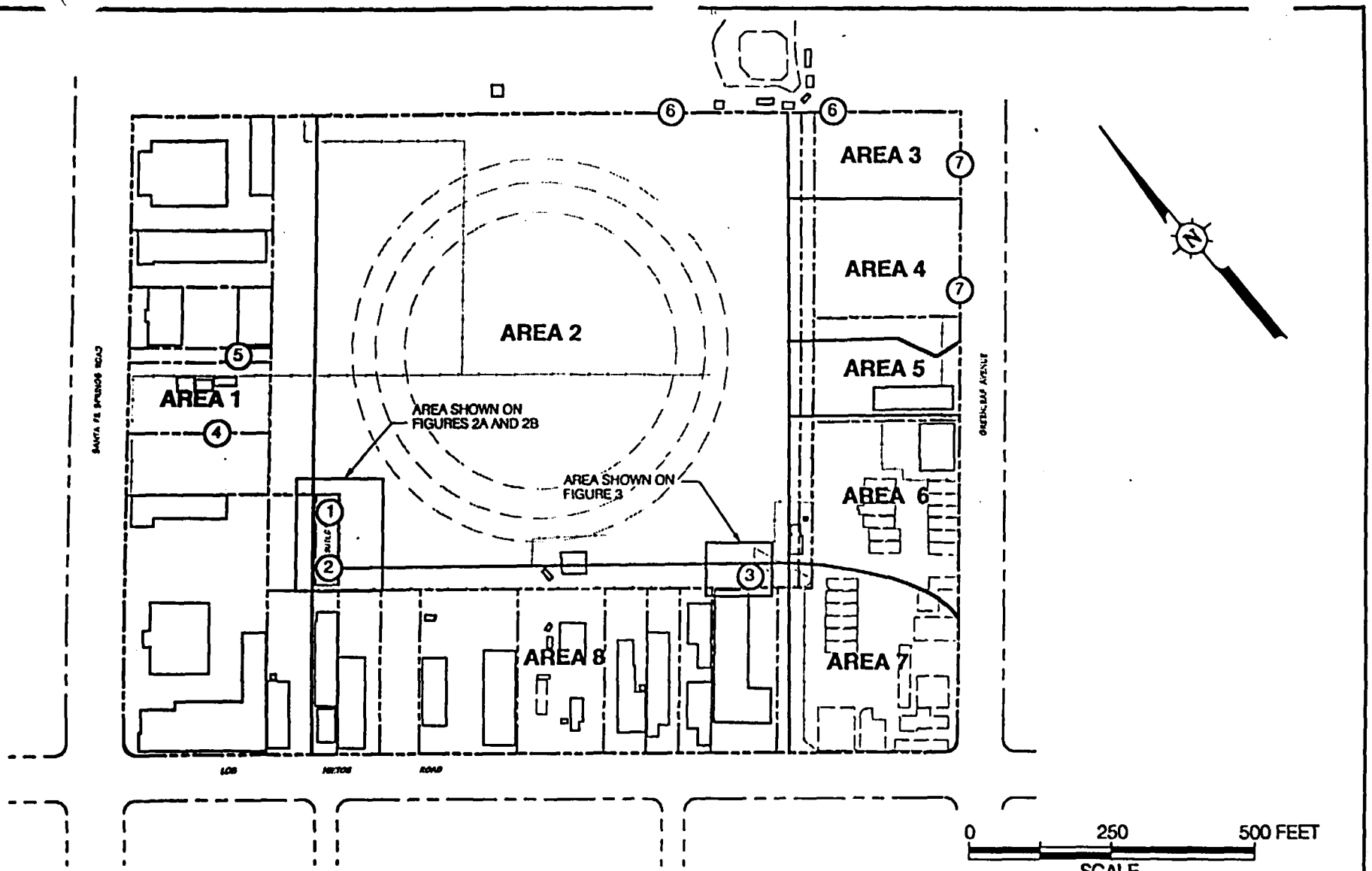
Cynthia Wetmore, EPA
Tim Crist, CIWMB
Shawn Haddad, DTSC
Bill Nelson, ATSDR
Stan Smucker, Ph.D., EPA
Keith Elliott, RWQCB
John Wondolleck, CDM Federal
Shelby Moore, Esq., WDIG
Bill Stephanatos, Ph.D., Weston
Mike Montgomery, EPA

94-256LTR3/5/98-01 REV. 3/5/98



LEGEND

SITE BOUNDARY (APPROXIMATE)

AREA BOUNDARY (APPROXIMATE)

(1) SITE AREA WHERE STORMWATER RELATED ACTIVITIES WERE PERFORMED

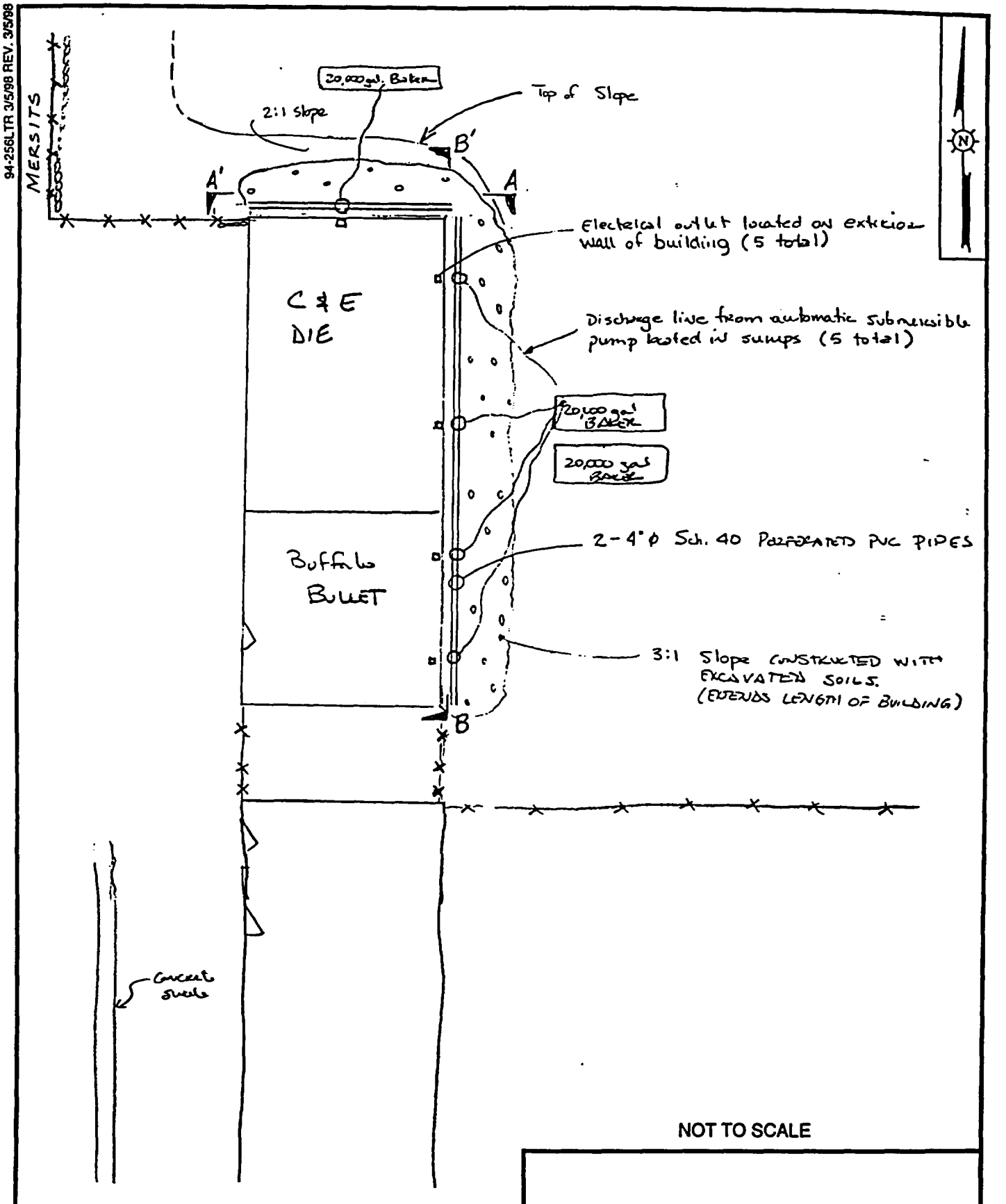
LOCATION OF STORMWATER IMPROVEMENTS

WASTE DISPOSAL INC.
SANTE FE SPRINGS, CALIFORNIA

TRC

FIGURE 1

94-256LTR 3/5/98 REV. 3/5/98



NOT TO SCALE

LEGEND

SAND BAGS

VISQUEEN

NOTE: SEE FIGURE 2B FOR CROSS SECTIONS

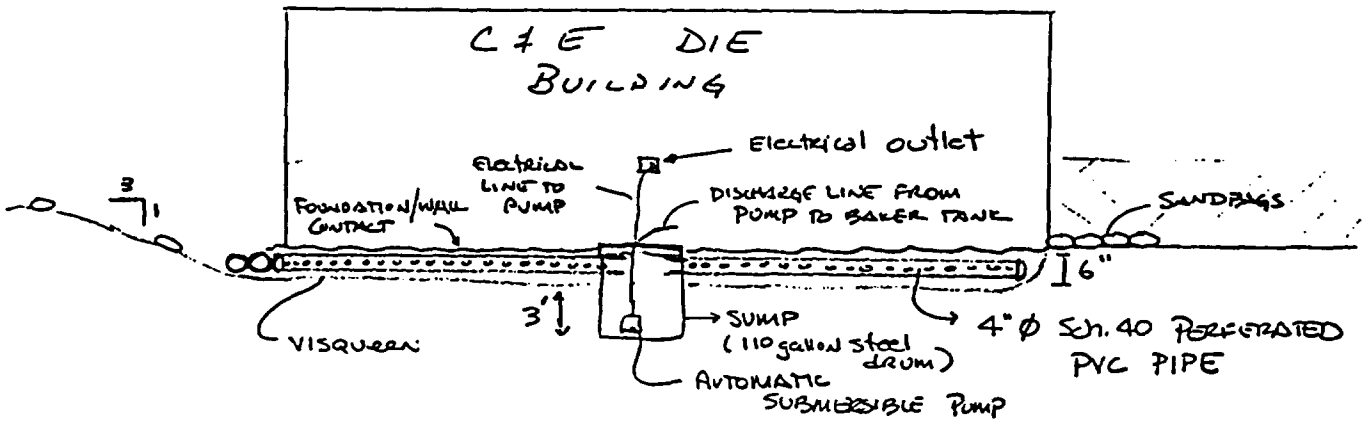
STORMWATER IMPROVEMENTS TO 12637 A & B LOS NIETOS ROAD

WASTE DISPOSAL, INC.
SANTA FE SPRINGS, CALIFORNIA

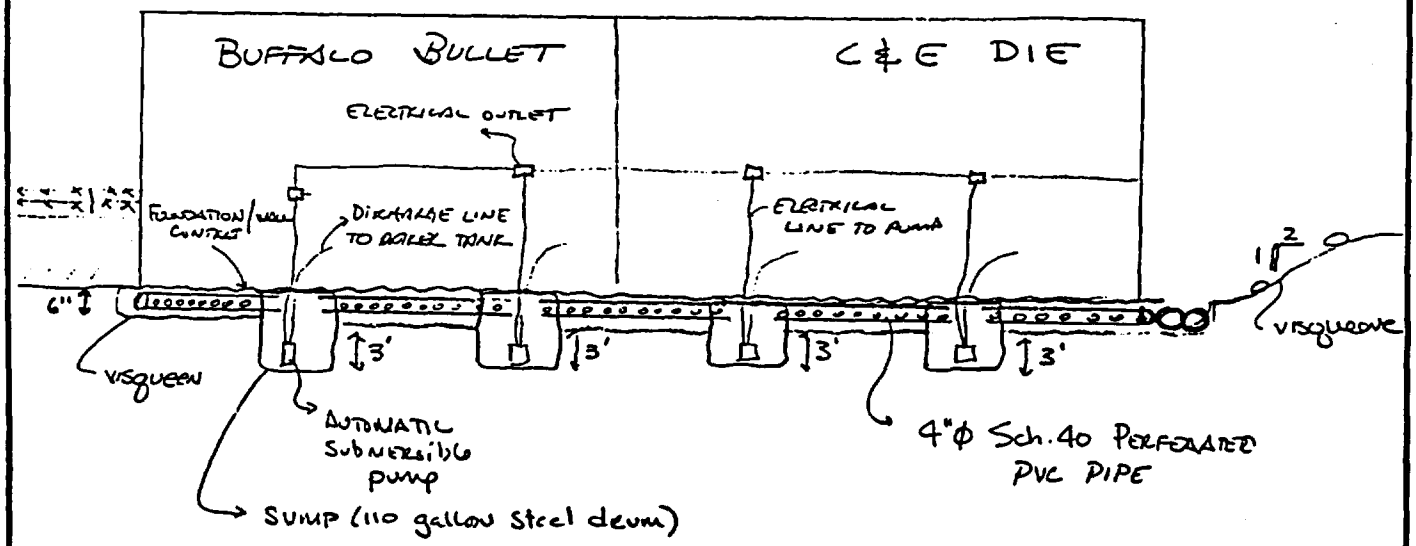
TRC

FIGURE 2A

94-256LTR 3/5/98 REV. 3/5/98



CROSS SECTION A-A'



CROSS SECTION B-B'

NOT TO SCALE

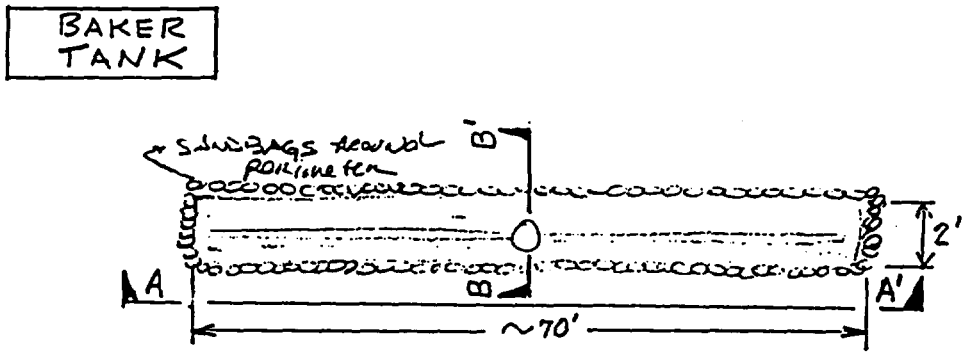
NOTE: SEE FIGURE 2A FOR CROSS SECTION LOCATIONS

CROSS SECTIONS OF DRAINAGE SYSTEM

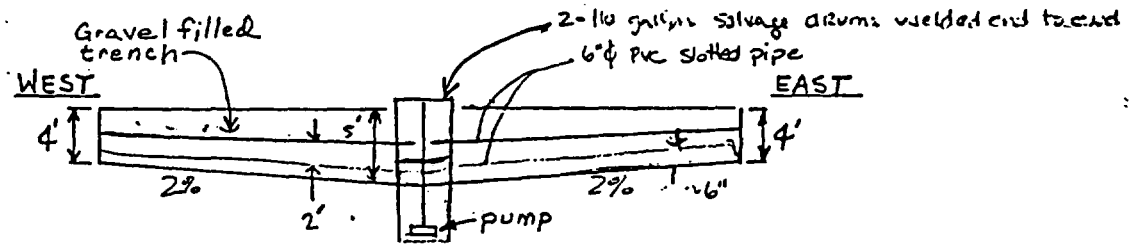
WASTE DISPOSAL, INC.
SANTA FE SPRINGS, CALIFORNIA

TRC | FIGURE 2B

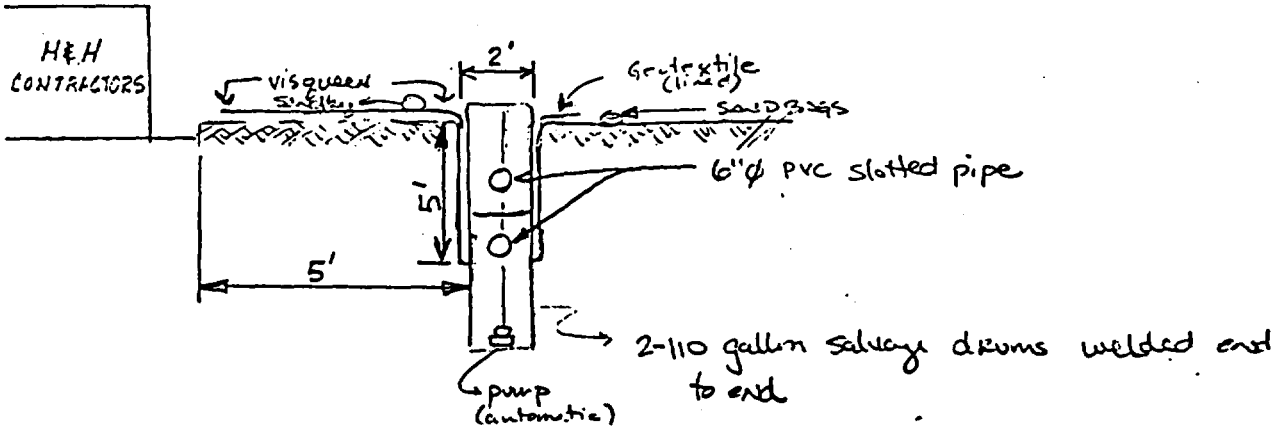
94-256LTR 3/5/98 REV. 3/5/98



PLAN VIEW OF TRENCH TO NORTH OF H&H



CROSS SECTION A-A'



CROSS SECTION B-B'

DIMENSIONS & MATERIALS

- 5' DEEP x 2' WIDE x ~70' LENGTH
- LINE TRENCH WITH POROUS GEOTEXTILE WITH 1' OVERHANG ON EACH SIDE
- TWO 6" DIAMETER PERFORATED PVC PIPES
- TWO 110 GALLON DRUMS WELDED END TO END
- ONE AUTOMATIC PUMP
- ONE 20,000 GALLON BAKER TANK
- VISQUEEN
- SAND BAGS

NOTE: MINIMIZED COLLECTING SURFACE WATER RUNOFF BY SANDBAGGING AROUND TRENCH

NOT TO SCALE

STORMWATER IMPROVEMENTS TO 12811 E & F LOS NIETOS ROAD

WASTE DISPOSAL, INC.
SANTA FE SPRINGS, CALIFORNIA

TRC

FIGURE 3

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1338

RS
AI
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Facsimile Transmission

To: **TRC Environmental Solutions** **#027** Attention: Irvine

- [x] Alex Isaly
- [ ] Ken Floom
- [ ] Ron Giraurdi
- [ ] Roberto Puga
- [ ] Richard Scott
- [ ] Jeff Hensel
- [ ] _____

Date: 4/30/99 Lab #: 1000631

# of Pages: 5 Initials: JJ

(Following Cover Sheet)

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LABORATORY REPORT

Prepared For: TRC Environmental Solutions
21 Technology Drive
Irvine, CA 92618

Attention: Alex Isaly
Project: 94-256
WDI

Sampled: 4/7/99
Received: 4/7/99
Reported: 4/30/99

This laboratory report is confidential and is intended for the sole use of Del Mar Analytical and its client. This entire report was reviewed and approved for release.

CA ELAP Certificate #1197
AZ DHS Licence #AZ0428

DEL MAR ANALYTICAL

Fred Haley
Project Manager

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2455 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1338

TRC Environmental Solutions	Client Project ID: 94-256	Sampled: 4/7/99
21 Technology Drive	WDI	Received: 4/7/99
Irvine, CA 92618	Analysis Method: EPA 413.2 (I.R.)	Extracted: 4/12/99
Attention: Alex Isaly	First Sample #: ID00631	Analyzed: 4/12/99
		Reported: 4/30/99

TOTAL RECOVERABLE OIL & GREASE (EPA 413.2)

Laboratory Number	Sample Description Water	Sample Result mg/L (ppm)	Reporting Limit mg/L (ppm)	Dilution Factor	QC Batch
ID00631	WDI-SWDP-1	1.2	0.94	0.94	ID12IG1W

Analytes reported as N.D. were not present at or above the reporting limit. Dilution factors are due to matrix effects and other factors.

DEL MAR ANALYTICAL (ELAP #1197)
Fred Haley
Project Manager

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TRC Environmental Solutions
21 Technology Drive
Irvine, CA 92618
Attention: Alex Isaly

Client Project ID: 94-256
WDI
Sample Descript: Water, WDI-SWDP-1
Lab Number: ID00631

Sampled: 4/7/99
Received: 4/7/99
Extracted: 4/8/99-4/9/99
Analyzed: 4/8/99-4/9/99
Reported: 4/30/99

CALIFORNIA CODE OF REGULATIONS, TITLE 22 METALS

Analyte	EPA Method	Reporting Limit mg/L (ppm)	Sample Result mg/L (ppm)	QC Batch
Antimony	6010B	0.010	N.D.	ID08ME2W
Arsenic	6010B	0.0050	0.0076	ID08ME2W
Barium	6010B	0.010	0.19	ID08ME2W
Beryllium	6010B	0.0050	N.D.	ID08ME2W
Cadmium	6010B	0.0050	N.D.	ID08ME2W
Chromium, total	6010B	0.0050	N.D.	ID08ME2W
Cobalt	6010B	0.010	0.010	ID08ME2W
Copper	6010B	0.010	0.10	ID08ME2W
Lead	6010B	0.0050	0.097	ID08ME2W
Mercury	7470A	0.00020	N.D.	ID09HG1W
Molybdenum	6010B	0.020	N.D.	ID08ME2W
Nickel	6010B	0.010	0.013	ID08ME2W
Selenium	6010B	0.0050	N.D.	ID08ME2W
Silver	6010B	0.010	N.D.	ID08ME2W
Thallium	6010B	0.0050	0.0050	ID08ME2W
Vanadium	6010B	0.010	0.027	ID08ME2W
Zinc	6010B	0.020	0.29	ID08ME2W

Analytes reported as N.D. were not present at or above the reporting limit.

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TRC Environmental Solutions	Client Project ID: 94-256	Sampled: 4/7/99
21 Technology Drive	WDI	Received: 4/7/99
Irvine, CA 92618	Sample Descript: Water	Extracted: 4/7/99
Attention: Alex Isaly	First Sample #: ID00631	Analyzed: 4/7/99
		Reported: 4/30/99

pH (EPA 150.1)

Laboratory Number	Sample Description	Reporting Limit pH units	Sample Result pH units	QC Batch
ID00631	WDI-SWDP-1	N.A.	8.3	ID07PH2W

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ed Haley
oject Manager

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2485 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-0272 FAX (602) 968-1338

TRC Environmental Solutions
21 Technology Drive
Irvine, CA 92618
Attention: Alex Isaly

Client Project ID: 94-256
WDI
Sample Descript: Water, WDI-SWDP-1
Lab Number: ID00631

Sampled: 4/7/99
Received: 4/7/99
Extracted: 4/8/99-4/12/99
Analyzed: 4/8/99-4/12/99
Reported: 4/30/99

LABORATORY ANALYSIS

Analyte	EPA Method	Reporting Limit mg/L (ppm)		Sample Result mg/L (ppm)	QC Batch
Specific Conductance (µmhos/cm).....	SM 2510B	1.0	.....	390	ID08CT2W
Total Suspended Solids.....	EPA 160.2	10	.....	1,700	ID12TS1W

Analytes reported as N.D. were not present at or above the reporting limit.

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9830 South 51st St., Suite B-120, Phoenix, AZ 85044 (602) 785-0043 FAX (602) 785-0851

TRC Environmental Solutions	Client Project ID: 94-256	Sampled:	Jan 25, 1999
21 Technology Drive	WDI	Received:	Jan 25, 1999
Irvine, CA 92618	Analysis Method: EPA 413.2 (I.R.)	Extracted:	Feb 1, 1999
Attention: Alex Isaly	First Sample #: IA02085	Analyzed:	Feb 1, 1999
	QC Batch: IB01IG1W	Reported:	Feb 4, 1999

TOTAL RECOVERABLE OIL & GREASE (EPA 413.2)

Laboratory Number	Sample Description Water	Sample Result mg/L (ppm)	Reporting Limit mg/L (ppm)	Dilution Factor
IA02085	WDI-SW-DP-1	1.9	1.0	1.0

Analytes reported as N.D. were not present at or above the reporting limit. Dilution factors are due to matrix effects and other factors.

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Fred Haley
Project Manager

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9830 South 51st St., Suite B-120, Phoenix, AZ 85044 (602) 785-0043 FAX (602) 785-0851

TRC Environmental Solutions	Client Project ID: 94-256	Sampled: Jan 25, 1999
21 Technology Drive	WDI	Received: Jan 25, 1999
Irvine, CA 92618	Sample Descript: Water, WDI-SW-DP-1	Extracted: Jan 26-29, 1999
Attention: Alex Isaly	Lab Number: IA02085	Analyzed: Jan 26-30, 1999
		Reported: Feb 4, 1999

CALIFORNIA CODE OF REGULATIONS, TITLE 22 METALS

Analyte	EPA Method	Reporting Limit mg/L (ppm)	Sample Result mg/L (ppm)	QC Batch
Antimony	6010B	0.010	N.D.	IA29ME2W
Arsenic	6010B	0.0050	0.011	IA29ME2W
Barium	6010B	0.010	0.095	IA29ME2W
Beryllium	6010B	0.0050	N.D.	IA29ME2W
Cadmium	6010B	0.0050	N.D.	IA29ME2W
Chromium, total	6010B	0.0050	0.014	IA29ME2W
Cobalt	6010B	0.010	N.D.	IA29ME2W
Copper	6010B	0.010	0.044	IA29ME2W
Lead	6010B	0.0050	0.032	IA29ME2W
Mercury	7470A	0.00020	N.D.	IA26HG1W
Molybdenum	6010B	0.020	0.017	IA29ME2W
Nickel	6010B	0.010	N.D.	IA29ME2W
Selenium	6010B	0.0050	N.D.	IA29ME2W
Silver	6010B	0.010	N.D.	IA29ME2W
Thallium	6010B	0.0050	N.D.	IA29ME2W
Vanadium	6010B	0.010	0.030	IA29ME2W
Zinc	6010B	0.020	0.10	IA29ME2W

Analytes reported as N.D. were not present at or above the reporting limit.

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9830 South 51st St., Suite B-120, Phoenix, AZ 85044 (602) 785-0043 FAX (602) 785-0851

TRC Environmental Solutions	Client Project ID:	94-256	Sampled: Jan 25, 1999
21 Technology Drive		WDI	Received: Jan 25, 1999
Irvine, CA 92618	Sample Descript:	Water	Extracted: Jan 25, 1999
Attention: Alex Isaly	First Sample #:	IA02085	Analyzed: Jan 25, 1999
	QC Batch:	IA25PH1W	Reported: Feb 4, 1999

pH (EPA 150.1)

Laboratory Number	Sample Description	Reporting Limit pH units	Sample Result pH units
IA02085	WDI-SW-DP-1	N.A.	7.7

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Project Manager

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TRC Environmental Solutions	Client Project ID: 94-256	Sampled: Jan 25, 1999
21 Technology Drive	WDI	Received: Jan 25, 1999
Irvine, CA 92618	Sample Descript: Water, WDI-SW-DP-1	Extracted: Jan 27-28, 1999
Attention: Alex Isaly	Lab Number: IA02085	Analyzed: Jan 27-28, 1999
		Reported: Feb 4, 1999

LABORATORY ANALYSIS

Analyte	Method	Reporting Limit mg/L (ppm)		Sample Result mg/L (ppm)	QC Batch
Specific Conductance (µmhos/cm)	SM 2510B	1.0		820	IA27CT1W
Total Suspended Solids	EPA 160.2	10		66	IA28TS1W

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

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Project Manager

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TRC Environmental Solutions
21 Technology Drive
Irvine, CA 92618
Attention: Alex Isaly

Method Blank

QC Batch: IB01IG1W

Extracted: Feb 1, 1999
Analyzed: Feb 1, 1999
Reported: Feb 4, 1999

TOTAL RECOVERABLE OIL & GREASE (EPA 413.2)

Laboratory Description	Sample Result mg/L (ppm)	Reporting Limit mg/L (ppm)	Dilution Factor
Method Blank	N.D.	1.0	1.0

Analytes reported as N.D. were not present at or above the reporting limit. Dilution factors are due to matrix effects and/or other factors.

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9830 South 51st St., Suite B-120, Phoenix, AZ 85044 (602) 785-0043 FAX (602) 785-0851

TRC Environmental Solutions
21 Technology Drive
Irvine, CA 92618
Attention: Alex Isaly

Method Blank

Extracted: Jan 26-29, 1999
Analyzed: Jan 26-30, 1999
Reported: Feb 4, 1999

CALIFORNIA CODE OF REGULATIONS, TITLE 22 METALS

Analyte	EPA Method	Reporting Limit mg/L (ppm)	Sample Result mg/L (ppm)	QC Batch
Antimony	6010B	0.010	N.D.	IA29ME2W
Arsenic	6010B	0.0050	N.D.	IA29ME2W
Barium	6010B	0.010	N.D.	IA29ME2W
Beryllium	6010B	0.0050	N.D.	IA29ME2W
Cadmium	6010B	0.0050	N.D.	IA29ME2W
Chromium, total	6010B	0.0050	N.D.	IA29ME2W
Cobalt	6010B	0.010	N.D.	IA29ME2W
Copper	6010B	0.010	N.D.	IA29ME2W
Lead	6010B	0.0050	N.D.	IA29ME2W
Mercury	7470A	0.00020	N.D.	IA26HG1W
Molybdenum	6010B	0.020	N.D.	IA29ME2W
Nickel	6010B	0.010	N.D.	IA29ME2W
Selenium	6010B	0.0050	N.D.	IA29ME2W
Silver	6010B	0.010	N.D.	IA29ME2W
Thallium	6010B	0.0050	N.D.	IA29ME2W
Vanadium	6010B	0.010	N.D.	IA29ME2W
Zinc	6010B	0.020	N.D.	IA29ME2W

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Fred Haley
Project Manager

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9830 South 51st St., Suite B-120, Phoenix, AZ 85044 (602) 785-0043 FAX (602) 785-0851

TRC Environmental Solutions
21 Technology Drive
Irvine, CA 92618
Attention: Alex Isaly

Method Blank

Extracted: Jan 28, 1999
Analyzed: Jan 28, 1999
Reported: Feb 4, 1999

LABORATORY ANALYSIS

Analyte	EPA Method	Reporting Limit mg/L (ppm)	Sample Result mg/L (ppm)	QC Batch
Total Suspended Solids	EPA 160.2	10	N.D.	IA28TS1W

Analytes reported as N.D. were not present at or above the reporting limit.

DEL MAR ANALYTICAL (ELAP #1197)

Fred Haley
Project Manager

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MS/MSD DATA REPORT

EPA METHOD: 413.2
Matrix: Water

Date Analyzed: 2/1/99

Sample: LCS/LCSD *

Batch: IB01IG1W

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	MEAN PR	Acceptance Limits	
	ppm	ppm	ppm	ppm	%	%	%	%	RPD	MPR
Hydrocarbons	0	5.0	4.7	4.7	94%	94%	0.0%	94%	15	80-120

* LCS/LCSD performed in lieu of MS/MSD due to insufficient amount of sample provided.

Definition of Terms:

R1..... Result of Sample Analysis
Sp..... Spike Concentration Added to Sample
MS..... Matrix Spike Result
MSD..... Matrix Spike Duplicate Result
PR1..... Percent Recovery of MS; ((MS-R1) / SP) X 100
PR2..... Percent Recovery of MSD; ((MSD-R1) / SP) X 100
RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2) X 100
Acceptance Limits..... Statistically determined on an annual basis.

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MS/MSD DATA REPORT

METHOD: METALS
Instrument: ICP
Matrix: Water

Date Analyzed: 1/30/99

Sample: IA02708

Batch: IA29ME2W

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	MEAN PR	Acceptance Limits	
	mg/L	mg/L	mg/L	mg/L	%	%	%	%	RPD	MPR
Antimony	0	1.0	0.995	1.02	100%	102%	2.8%	101%	20	75-125
Arsenic	0	1.0	0.984	1.00	98%	100%	1.6%	99%	20	75-125
Barium	0.031	1.0	0.919	0.945	89%	91%	2.8%	90%	20	75-125
Beryllium	0	1.0	0.924	0.938	92%	94%	1.5%	93%	20	75-125
Cadmium	0	1.0	0.871	0.901	87%	90%	3.4%	89%	20	75-125
Chromium	0.006	1.0	0.910	0.939	90%	93%	3.1%	92%	20	75-125
Cobalt	0	1.0	0.895	0.925	90%	93%	3.3%	91%	20	75-125
Copper	0	1.0	0.883	0.912	88%	91%	3.2%	90%	20	75-125
Lead	0.006	1.0	0.858	0.876	85%	87%	2.1%	86%	20	75-125
Molybdenum	0	1.0	0.916	0.929	92%	93%	1.4%	92%	20	75-125
Nickel	0	1.0	0.957	0.887	96%	89%	7.6%	92%	20	75-125
Selenium	0	1.0	0.914	0.931	91%	93%	1.8%	92%	20	75-125
Silver	0	1.0	0.980	1.01	98%	101%	3.0%	100%	20	75-125
Thallium	0	1.0	0.835	0.856	84%	86%	2.5%	85%	20	75-125
Vanadium	0.042	1.0	0.981	1.01	94%	97%	2.9%	95%	20	75-125
Zinc	0.060	1.0	0.953	0.993	89%	93%	4.1%	91%	20	75-125

Definition of Terms:

R1..... Result of Sample Analysis
Sp..... Spike Concentration Added to Sample
MS..... Matrix Spike Result
MSD..... Matrix Spike Duplicate Result
PR1..... Percent Recovery of MS; ((MS-R1) / SP) X 100
PR2..... Percent Recovery of MSD; ((MSD-R1) / SP) X 100
RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2) X 100
Acceptance Limits..... Statistically determined on an annual basis.

DEL MAR ANALYTICAL

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MS/MSD DATA REPORT

EPA METHOD: 7470
Matrix: Water

Date Analyzed: 1/26/99

Sample: IA02085

Batch: IA26HG1W

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	MEAN PR	Acceptance Limits	
	mg/L	mg/L	mg/L	mg/L	%	%	%	%	RPD	MPR
Mercury	0	0.0080	0.0069	0.0080	86%	100%	16%	93%	20	80-120

Definition of Terms:

R1..... Result of Sample Analysis

Sp..... Spike Concentration Added to Sample

MS..... Matrix Spike Result

MSD..... Matrix Spike Duplicate Result

PR1..... Percent Recovery of MS; ((MS-R1) / SP) X 100

PR2..... Percent Recovery of MSD; ((MSD-R1) / SP) X 100

RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2) X 100

Acceptance Limits.... Statistically determined on an annual basis.

Del Mar Analytical

CHAIN OF CUSTODY RECORD

Ship To: Del Mar Anal.
Attn: Sample Control
2852 Alton
Irvine CA

Page 1 of 1
Project Name: WDT
Project No.: 94.256
Site Location: Santa Fe Springs CA
Date: 1 / 25 / 99

Normal TAT

Boring/Well No.	Sample No.	Depth	Date	Time	Sample Type: Water	Sample Type: Solid	Sample Type: Other	Comp.	Grab.	Sample Containers: Vol.	No.	Type	Pres.	150.1 pH	160.2 TSS	TSS SOP D.A.	Sm 2540B Spec. Grav.	413.2 O+G	Prior Pollutant Metals			Remarks
WDT-SW	DP-1		1/25/99	0800	X					1l	2	Poly	—	X	X	X						
↓			↓	↓	↓					1l	2	Amber	HCl				X					
↓			↓	↓	↓					1l	2	Poly	HNO3					X				

Total Number of Samples Shipped: 6 Shipper's Signature:

	Signature	Company	Date	Time
Relinquished by:	Glenn Andrusko	TRC	1/25/99	1140
Received by:	Lisa M. Ondo	Del Mar	1/25/99	1140
Relinquished by:				
Received by:				
Relinquished by:				
Received by:				

Special Instructions / Shipment / Handling/ Storage Requirements:

Please send test results attn. Alex Isaly

The material(s) listed are received for analysis and/or treatability evaluation and remain the property of the client and not Environmental Solutions, Inc. At the conclusion of the test work, all remaining material(s) will be returned to the client for eventual disposal at a licensed facility

TRC

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Irvine, California 92718

☐ ENVIRONMENTAL SOLUTIONS, INC.
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Daytona Beach, Florida 32119

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☐ ENVIRONMENTAL SOLUTIONS, INC.
2815 Mitchell Drive, Suite 103
Walnut Creek, California 94598

APPENDIX H

RELEVANT TABLES AND FIGURES FOR CHAPTER 2.0, PROJECT BACKGROUND

TRC

TABLE H.1

METAL CONTAMINATION IN SURFACE SOIL SAMPLES (STLC RESULTS)
WASTE DISPOSAL, INC. SUPERFUND SITE

BORING NUMBER	SAMPLE NUMBER	SAMPLE TYPE	SAMPLE (feet)	Ba (mg/l)	Cd (mg/l)	Cu (mg/l)	Pb (mg/l)	Hg (mg/l)	Ni (mg/l)	Ag (mg/l)	Th (mg/l)	Va (mg/l)	Zn (mg/l)
A-1		Soil	0-1	NA	BDL	BSL	9.6	NA	BSL	BDL	BDL	BSL	BSL
C-1		Soil	0-1	BSL	BDL	BSL	5.1	NA	BSL	BDL	BDL	BSL	BSL
D-5		Soil	0-1	BSL	BSL	BSL	6.2	NA	BSL	BDL	BDL	BSL	BSL
E-5		Soil	0-1	BSL	BSL	BSL	6.1	NA	BSL	BDL	BDL	BSL	BSL
E-6		Soil	0-1	BSL	BSL	BSL	14.0	NA	BSL	BDL	BDL	BSL	BSL

Source: Adapted from Dames and Moore (1985).
mg/l = Milligrams per liter.
NA = Not analyzed for STLC.
BDL = Below detection limits.
BSL = Below STLC limits.

METAL CONTAMINATION IN SOIL BORINGS (TTLC)
WASTE DISPOSAL, INC. SUPERFUND SITE

BORING NUMBER	SAMPLE NUMBER	SAMPLE TYPE	SAMPLE (feet)	Ba (ppm)	Cd (ppm)	Cu (ppm)	Pb (ppm)	Hg (ppm)	Ni (ppm)	Ag (ppm)	Th (ppm)	Va (ppm)	Zn (ppm)
DMEB-1	3	Soil	10	BSL	2.5	44	130	0.25	BSL	500	BSL	BSL	BSL
DMEB-1	Composite	Soil	12.5 to 20	310	2.6	57	250	BSL	38	BSL	BSL	45	2,300
DMEB-2	Composite	Soil	5 to 17.5	930	1.9	28	280	0.22	27	BSL	50	BSL	BSL
DMEB-2	6	Soil	17.5	120	2.0	28	BSL	BSL	22	BSL	BSL	49	BSL
DMEB-3	9	Soil	22	BSL	BSL	BSL	BSL	BSL	BSL	BSL	BSL	BSL	BSL
DMEB-3	10	Soil	11	BSL	1.6	BSL	BSL	BSL	BSL	BSL	BSL	32	BSL
DMEB-4	2	Soil	5	320	1.9	34	17		23			32	BSL

94-256 ReDeinSe Rev. 1/Misc Tables (8/10/99/jb)

Source: Adapted from Dames and Moore (1984).
ppm = Parts per million.
BSL = Below STLC limits.

TABLE H.2

MAJOR VOLATILE AND SEMIVOLATILE ORGANIC CONTAMINATION IN SOIL WASTE DISPOSAL, INC. SUPERFUND SITE

BORING NUMBER	SAMPLE NUMBER	SAMPLE TYPE	SAMPLE (feet)	ETHYLBENZENE (ppb)	TETRACHLOROETHENE (ppb)	TOLUENE (ppb)	TRICHLOROETHENE (ppb)	TOTAL XYLENES (ppb)	NAPHTHALENE (ppb)	PHENANTHRENE (ppb)
DMEB-1	3	Soil	10	1,800	BDL	3,100	BDL	15,000	29,000	24,000
DMEB-1	Composite	Soil	12.5 to 20	25,000	22,000	57,000	13,000	120,000	66,000	30,000
DMEB-2	Composite	Soil	5 to 17.5	1,900	BDL	BDL	280	4,800	13,000	BDL
DMEB-2	6	Soil	17.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL
DMEB-3	Composite 9 and 10	Soil	22	BDL	BDL	BDL	BDL	BDL	BDL	BDL
DMEB-4	2	Soil	5	BDL	BDL	BDL	BDL	BDL	BDL	BDL

94-256 ReDelaSa (Rev. 1) Misc Tables (8/9/99/jb)

Source: Adapted from Dames and Moore (1984).
ppb = Parts per billion.
BDL = Below Detection Limits.

TABLE H.3

CONTAMINANTS FOUND AT TOXO SPRAY DUST INC. PROPERTY AUGUST 1986

SAMPLE NUMBER	SAMPLE TYPE	SAMPLE DEPTH (feet)	METHYL-PARATHION (ppm)	ETHYL-PARATHION (ppm)	ENDOSULFAN I (ppm)	ENDOSULFAN II (ppm)	METHANE (ppm)	TNMHC AS HEXANE (ppm)
FS1	Solid	Floor	12	2.4	6.9	5	NA	NA
FS2	Solid	Floor	46	37	220	140	NA	NA
VP1	Vapor	6	NA	NA	NA	NA	231,000	597

Source: Adapted from Dames and Moore (1986c).
ppm = Parts per million.
TNMCH = Total Nonmethane hydrocarbons.
NA = Not analyzed for STLC.

CONTAMINANTS FOUND AT TOXO SPRAY DUST INC. PROPERTY NOVEMBER 1986

SAMPLE NUMBER	SAMPLE TYPE	SAMPLE DEPTH (feet)	MALATHION (ppm)	ETHYL-PARATHION (ppm)	ENDOSULFAN I (ppm)	ENDOSULFAN II (ppm)	ALDRIN (ppm)	4,4 DDE (ppm)	4,4 DDT (ppm)
1A	Soil	Surface	100	11	200	90	3(1)	6(1)	300(1)
2A	Soil	Surface	18	6.6	40	20	3(1)	7(1)	200(1)

94-256 ReDelnSu Rev. 1/Misc Tables (8/10/99/jb)

Source: Adapted from Dames and Moore (1986d).
ppm = Parts per million.
DDE = 1,1-dichloro-2,2-bis(p-chlorophenyl)ethylene.
DDT = 1,1,1-trichloro-2,2-bis(p-chlorophenyl)ethane.
(1) Exceeds California DHS TTLC limits.

TABLE H.4

CONTAMINATION FOUND AT CAMPBELL PROPERTY
SEMIVOLATILE PRIORITY AND NONPRIORITY POLLUTANTS

BORING NUMBER	SAMPLE TYPE	SAMPLE DEPTH (feet)	NAPHTHALENE (ppb)	DI-N-BUTYL PHTHALATE (ppb)	FLUORENE (ppb)	PHENANTHRENE (ppb)	ISOPHORONE (ppb)	CHYRSENE (ppb)	2-METHYL-NAPHTHALENE (ppb)	TOLUENE (ppb)	ETHYLBENZENE (ppb)
DM-1	Soil	6	200	2,300	ND	ND	ND	ND	140	250	ND
DM-2	Soil	8.5	21,000	ND	35,000	48,000	ND	ND	430,000	ND	7,500
DM-2	Soil	11	16,000	1,300	5,200	6,700	4,700	2,200	48,000	NA	NA
DM-3	Soil	16	40,000	ND	12,000	15,000	ND	ND	78,000	NA	NA
DM-4	Soil	3.5	ND	390	ND	ND	ND	ND	ND	NA	NA

Source: Adapted from Dames and Moore (1986a).
ppb = Parts per billion.
ND = Not detected.
NA = Not analyzed for STLC.

METHANE AND OTHER HYDROCARBONS

SAMPLE NUMBER	SAMPLE TYPE	SAMPLE DEPTH (feet)	METHANE (ppm)	TOTAL NON-METHANE HYDROCARBONS (ppm)
3	Vapor	6	9,500	ND
10	Vapor	6	ND	ND
2	Vapor	6	11,200	29

94-256 ReDelaSu Rev. 1/Misc Tables (8/9/99/jb)

Source: Adapted from Dames and Moore (1986b).
ppm = Parts per million.
ND = Not detected.

TABLE H.5

CONTAMINATION FOUND AT CAMPBELL PROPERTY NITRATE AND METALS BETWEEN TTLC AND STLC LIMITS

SAMPLE NUMBER	SAMPLE TYPE	SAMPLE DEPTH (feet)	Ni (ppm)	Cu (ppm)	Zn (ppm)	Cd (ppm)	Pb (ppm)	NITRATE (ppm)
Campbell #1	Soil	Surface composite of 3 samples	2,340[1]	1,300	2,560	12	654	3,990
Campbell #2	Soil	6 inches below a pit	78	43	1,200	2.9	7.5	ND
Campbell #3	Soil	6 inches below a pit	18	28	574	1.3	399	26
Campbell #4	Soil	1 foot near industrial waste interceptor	48	350	4,920	7.9	71	9

94-256 ReDelnSu Rev. 1/Misc Tables (8/9/99/jb)

Source: Adapted from Hunter (1988).
ppm = Parts per million.
ND = Not detected
[1]Exceeds TTLC Limit of 2,000 ppm.

TABLE H.6

INTERPRETED DEPTHS OF SUMP MATERIAL BASED ON CPT SOUNDINGS

SOUNDING	INTERPRETED DEPTH OF VERY SOFT SUMP MATERIAL (feet)	INTERPRETED DEPTH OF DESICCATED SUMP MATERIAL (feet)	INTERPRETED DEPTH OF OVERBURDEN (feet)
C-1	5-18	--	5
C-2	2-10	--	2
C-3	--	2-11	2
C-10	4-15	--	4
C-11	3-14	--	3
C-12	--	1-18	1
C-13	--	1-18	1
C-15	2-8	--	2
C-16	--	2-15	2
C-17	--	1-13	1
C-18	--	1-?[1]	1
C-19	--	2-?[1]	2
C-20	1-16	--	1
C-21	3-15	--	3

94-256 ReDelaSo Rev. 1/Misc Tables (8/10/99)b)

Source : Adapted from Dames & Moore (1986b).
-- = Not detected.
[1]CPT appears to be on metal or concrete debris.

TABLE H.7

RESULTS OF CONTAMINATION AT CAMPBELL PROPERTY IN SAMPLES TESTED BY JOHN L. HUNTER & ASSOCIATES

CONTAMINANT (mg/kg)	SAMPLE NUMBER			
	Campbell #1	Campbell #2	Campbell #3	Campbell #4
Beryllium	0.29	0.39	0.52	0.49
Chromium	459[1]	30[1]	26[1]	89[1]
Nickel	2,340[2]	78[3]	18	48[3]
Copper	1,300[3]	43[3]	28[3]	350[3]
Zinc	2,560[3]	1,200[3]	574[3]	4,920[3]
Arsenic	7[3]	4	3.1	4.1
Selenium	ND <3	ND <3	ND <3	ND <3
Silver	0.44	0.1	0.25	1
Cadmium	12[3]	2.9[3]	1.3[3]	7.9[3]
Antimony	6.1	0.78	0.87	1.1
Mercury	0.1	ND <0.08	ND <0.08	ND <0.08
Thallium	0.09	0.13	0.15	0.12
Lead	654[3]	7.5[3]	399[3]	71[3]
Nitrate	3,990	ND	26	9
pH	7.2	5.6	7.2	7.9

94-245 ReDelaSo Rev. 1/Misc. Tables (8/10/99/jb)

Source: Adapted from Hunter (1988).

[1] Exceeds California DHS STLC limits for Chromium (VI) compounds.

[2] Exceeds California Dept. of Health Services (DHS) TTLC limits.

[3] Exceeds California DHS STLC limits.

mg/kg = Milligrams per kilogram.

ND = Not Detected

TABLE H.8

BACKGROUND CHEMICAL CONCENTRATION UPGRADIENT GROUND WATER MONITORING WELLS

WASTE DISPOSAL, INC. SUPERFUND SITE

PARAMETER	GW-01 (µg/l)	GW-02 (µg/l)
Aluminum	48,400	3,570
Antimony	3.6	2
Arsenic	25	3.4
Barium	907	125
Beryllium	2	2
Cadmium	5	5
Calcium	354,000	243,000.00
Chromium	91.3	26.8
Cobalt	49	15
Copper	127	12.4
Iron	79,300	6,110
Lead	34	3.6
Magnesium	114,000	66,300
Manganese	2,550	183
Mercury	0.2	0.2
Nickel	79.4	26.7
Potassium	18,400	7,250
Selenium	80.1	20.4
Silver	7	7
Sodium	158,000	129,000
Thallium	2	2
Vanadium	154	20
Zinc	307	202.22

94-256 ReDelnSu Rev. 1/Misc Tables (8/10/99/jb)

Source: Adapted from Ebasco (1989d).
µg/l = Micrograms per liter.

TABLE H.9

CHEMICAL ANALYSES RESULTS OF THE SECOND ROUND OF SAMPLING AT GW-01 WASTE DISPOSAL, INC. SUPERFUND SITE

PARAMETER	FILTERED SAMPLE (µg/l)	NONFILTERED SAMPLE (µg/l)	NONFILTERED DUPLICATE SAMPLE (µg/l)	EQUIPMENT BLANK SAMPLE (µg/l)
Aluminum	175 L	3,630	5,570	19.5 L
Antimony	26.5 U	26.5 U	26.5 U	26.5 U
Arsenic	1.5 L	2.7 L	3.6 L	0.8 L
Barium	25.6 L	87.9 L	100 L	5.6 U
Beryllium	1.1 L	2.9 L	3.1 L	0.84 U
Cadmium	4.5 U	4.5 U	4.5 U	4.5 U
Calcium	292,000	288,000	269,000	82.1 L
Chromium	5.3 U	5.3 U	5.3 U	5.3 U
Cobalt	4.2 U	6.1 L	8.2 L	4.2 U
Copper	16.6 L	27.9	31.1	5.9 U
Iron	79.8 L	5,970	8,370	16.9 L
Lead	0.70 L	10.4	11.4	2.5 L
Magnesium	92,500	92,600	86,800	41.9 L
Manganese	14.6 L	225	266	4.0 L
Mercury	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	9.0 U	9.0 U	11.0 L	9.0 U
Potassium	4,140 L	5,590	6,230	540 U
Selenium	60.5	53.5	36.0	1.3 U
Silver	6.2 U	6.2 U	6.2 U	6.2 U
Sodium	152,000	146,000	137,000	181 L
Thallium	19.0 U	19.0 U	19.0 U	1.9 U
Vanadium	8.1 U	18.8 U	22.0 L	8.1 U
Zinc	320	346	348	44.3

94-256 ReDelnSu Rev. 1/Misc Tables (8/9/99/jb)

Source: Adapted from Ebasco (1989d).
µg/l = Micrograms per liter.
L = Indicates results which fall between the instrument detection limit and the contract required quantitation limit.
U = Indicates the parameter is not detected above the concentration listed.

TABLE H.10

CONCENTRATIONS OF SEMIVOLATILE ORGANIC COMPOUNDS IN GROUND WATER

WASTE DISPOSA,L INC. SUPERFUND SITE

PARAMETER	SAMPLE LOCATION	VALUE[1]	DETECT*	MAXIMUM CONTAMINANT LEVELS
Di-n-butylphthalate	GW-007-001	2	J	N/A
	GW-031-001	2	J	N/A
Di-n-octylphthalate	GW-007-001	9	J	N/A
Diethylphthalate	GW-005-001	36		N/A
bis(2-chloroethyl)ether	GW-006-00	260		N/A
	GW-007-001	590	J	N/A
	GW-019-001	690	J	N/A
	GW-019-002	240		N/A
	GW-031-001	280		N/A

94-256 ReDeInSu Rev. 1/Misc Tables (8/9/99/jb)

Source: Adapted from Ebasco (1989d).
J = Estimated concentration
N/A = Not available.
(1) Note: No units were given for the value.
* Values are estimated, data is valid for limited purposes. The results are qualitatively acceptable unless otherwise noted.

TABLE H.11

CONCENTRATIONS OF VOLATILE ORGANIC COMPOUNDS IN GROUND WATER

WASTE DISPOSAL, INC. SUPERFUND SITE

PARAMETER	SAMPLE LOCATION	VALUE (µg/l)	DETECT*	MAXIMUM CONTAMINANT LEVELS
Acetone	GW-030-001	1100	J	N/A
Chloroform	GW-006-001	9		N/A
	GW-007-001	8		N/A
Tetrachloroethene	GW-011-001	11		N/A
	GW-021-001	1	J	N/A
Toluene	GW-006-00	2	J	100 ppb
	GW-007-001	1	J	100 ppb
	GW-008-001	4	J	100 ppb
	GW-010-001	3	J	100 ppb
	GW-015-001	5	J	100 ppb
	GW-019-001	1	J	100 ppb
	GW-019-002	4	J	100 ppb
	GW-022-001	5		100 ppb
	GW-026-001	4	J	100 ppb
	GW-031-001	2	J	100 ppb
Trichloroethene	GW-026-001	18		5 ppb

94-256 ReDelnSu (Rev. 1) Misc Tables (8/10/99/jb)

Source: Adapted from Ebasco (1989d).
ppb = Parts per billion.
µg/l = Micrograms per liter.
J = Estimated concentration.
N/A = Not available.
* Values are estimated, data is valid for limited purposes. The results are qualitatively acceptable unless otherwise noted.

TABLE H.12

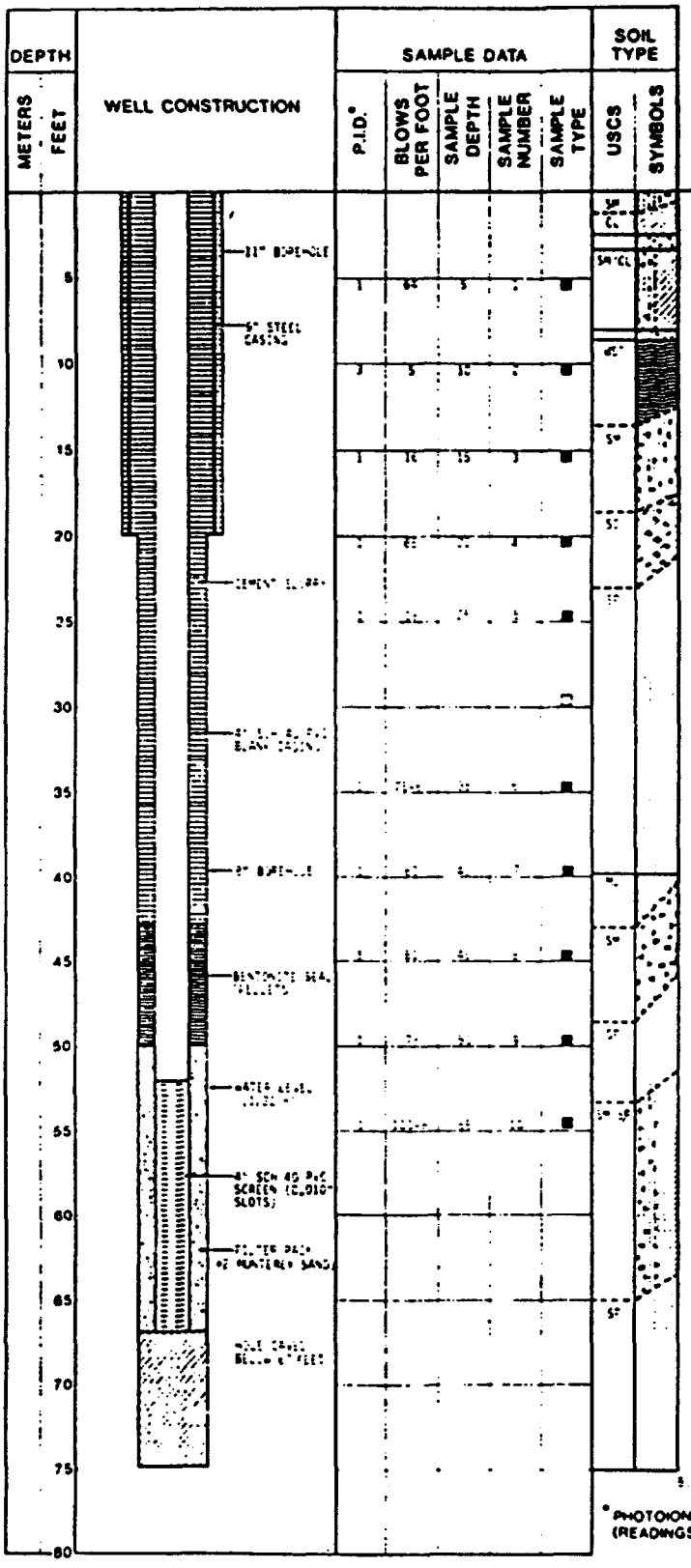
RESULTS OF SUBSURFACE ORGANIC GASES DETECTED AT WDI RESERVOIR/WASTE-HANDLING AREAS

COMPOUND	TOTAL SAMPLES	NUMBER OF DETECTS	DETECTION FREQUENCY (%)	MINIMUM (ppbv)	MAXIMUM (ppbv)	MEDIAN (ppbv)	STANDARD DEVIATION (ppbv)	ARITHMETIC MEAN (ppbv)	GEOMETRIC MEAN (ppbv)
1,1,1-Trichloroethane	26	13	50.00	2.50	1,150.00	2.50	226.82	61.38	7.52
1,2-Dibromoethane	26	21	80.77	7.00	77.00	15.00	17.96	25.92	20.58
1,2-Dichloroethane	26	1	3.85	10.00	29.99	10.00	3.73	10.73	10.42
Benzene	26	10	38.46	10.00	1,700.00	10.00	335.32	128.42	29.32
Carbon Tetrachloride	26	1	3.85	0.03	1.50	0.25	0.25	0.30	0.27
Chloroform	26	4	15.38	0.50	24.00	0.50	5.11	2.22	0.78
Tetrachloroethene	26	26	100.00	1.50	99.00	4.00	23.94	21.86	12.88
Trichloroethene	26	24	92.31	0.50	3,000.00	52.00	615.08	223.00	28.51
Vinyl Chloride	26	3	11.54	10.00	3,300.00	10.00	644.34	142.81	14.80

94-256 ReDelaSu (Rev. 1) Misc Tables (8/9/99/jb)

Source: Adapted from Ebasco (1989d).
ppbv = Parts per billion by volume.

94-256RDISR1-24 REV.08/04/99



BORING MW-1

SURFACE ELEVATION: 170.35 FEET

DESCRIPTION	ODOR
LIGHT BROWN SILTY SAND, GRAVEL, CONCRETE FRAGMENTS	
DARK BROWN SILTY CLAY, TRACE FINE SAND	VERY SLIGHT OILY ODOR
CONCRETE LAYER	
INTERMIXED DARK BROWN SILTY CLAY AND SILTY SAND WITH CONCRETE FRAGMENTS	VERY SLIGHT OILY ODOR
CONCRETE LAYER	
BLACK OILY SLUDGE	STRONG PETROLEUM ODOR
DARK GREY SILTY FINE TO MEDIUM SAND, TRACE CLAY	VERY SLIGHT OILY ODOR
MEDIUM ORANGISH BROWN CLAYEY FINE SAND, SOME SILT	NONE
LIGHT ORANGISH BROWN FINE TO MEDIUM SAND, TRACE SILT	NONE
GRADING TO VERY FINE SAND, NO SILT (SAMPLE NOT RECOVERED)	NONE
COLOR CHANGE TO GREY	NONE
LIGHT GREY MEDIUM TO COARSE SAND ORANGISH BROWN CLAYEY SILT	NONE
LIGHT ORANGISH BROWN VERY FINE SANDY SILT TO SILTY VERY FINE SAND	NONE
TAN INTERBEDDED FINE SAND AND MEDIUM TO VERY COARSE SAND	NONE
WATER AT 50.5 FEET	
GRAVEL WITH SOME SILT	NONE
LIGHT BROWN FINE TO MEDIUM SAND	

BORING TERMINATED AT 75 FEET ON JANUARY 27, 1993

*PHOTOIONIZATION (hnu) DETECTOR (READINGS IN P.I.D. UNITS)

LOG OF BORING MW-1

WASTE DISPOSAL, INC.
SANTA FE SPRINGS, CALIFORNIA

TRC

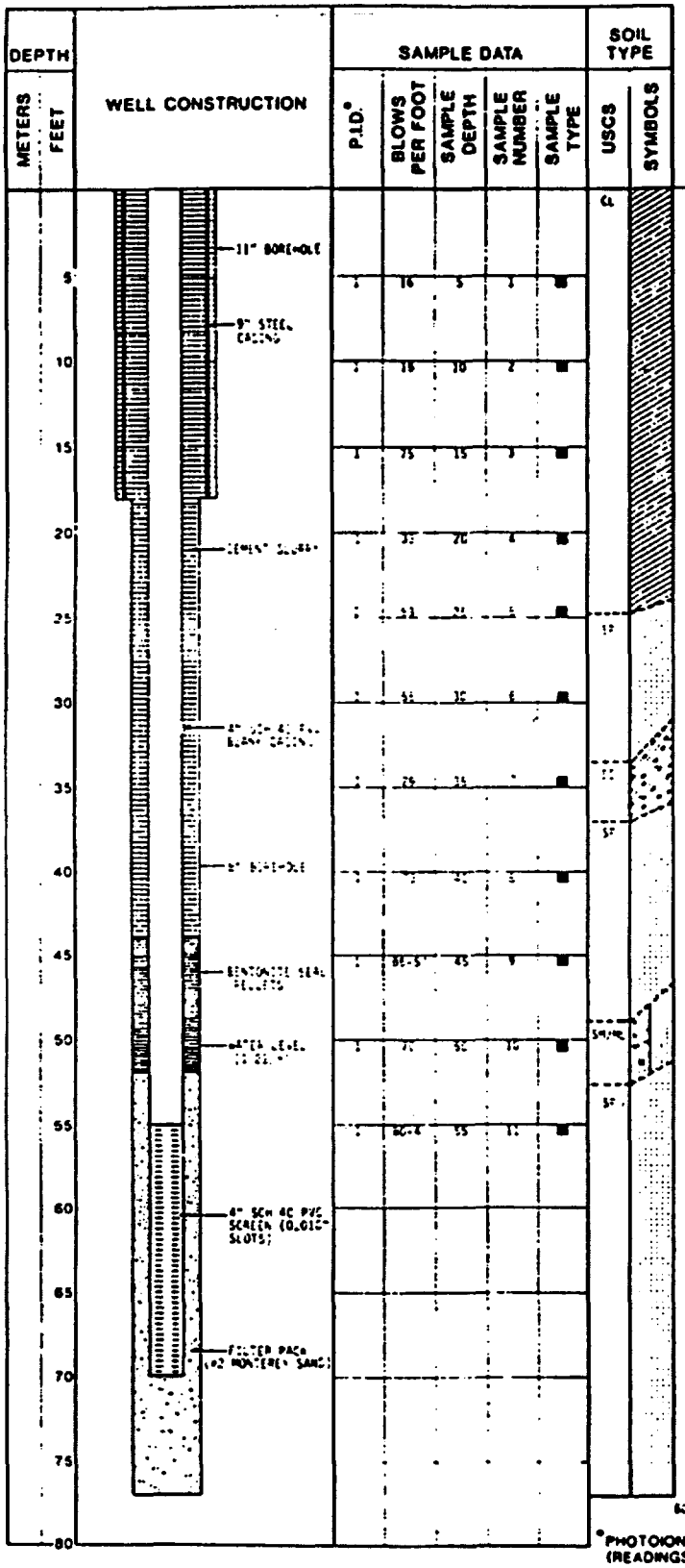
FIGURE 2

SOURCE: DAMES & MOORE.

94-256RDISR1-25 REV.08/04/99

BORING MW-2

SURFACE ELEVATION: 166.99 FEET



DESCRIPTION	ODOR
DARK ORANGISH BROWN SILTY CLAY	NONE
GRADING WITH TRACE TO SOME FINE TO MEDIUM SAND	NONE
AS ABOVE (APPEARS TO BE NATURAL SOIL)	NONE
ORANGISH BROWN SILTY CLAY	NONE
GRADING TO GREY VERY FINE TO FINE SAND	NONE
GRADES WITH TRACE LAYERS OF FINE TO COARSE SAND AND FINE GRAVEL	NONE
GRADES WITH SILTY CLAY MATRIX	NONE
LIGHT GREY FINE TO MEDIUM SAND	NONE
GRADES WITH SOME COARSE SAND	NONE
GRADING TO ORANGISH BROWN INTERBEDDED FINE SANDY SILT AND CLAYEY SILT WATER AT 53.5 FEET	NONE
CLEAN GREY MEDIUM SAND	NONE
GRADING TO FINE SAND	
GRADING TO MEDIUM TO COARSE SAND	
GRADING TO FINE SAND	
GRADING TO COARSE SAND AND FINE GRAVEL	
BORING TERMINATED AT 77 FEET ON CALIFORNIA [illegible]	

*PHOTOIONIZATION (hnu) DETECTOR (READINGS IN P.I.D UNITS)

LOG OF BORING MW-2

WASTE DISPOSAL, INC.
SANTA FE SPRINGS, CALIFORNIA

TRC

FIGURE 3

SOURCE: DAMES & MOORE.

94-256RDISR1-26 REV.08/04/99

BORING MW-2 (ABANDONED)

SURFACE ELEVATION: NOT SURVEYED

DEPTH METERS	DEPTH FEET	WELL CONSTRUCTION	SAMPLE DATA: P.I.D.*	BLOWS PER FOOT	SAMPLE DEPTH	SAMPLE NUMBER	SAMPLE TYPE	SOIL TYPE: USCS	SYMBOLS	DESCRIPTION	ODOR
		NO WELL INSTALLED						SM		LIGHT BROWN SILTY SAND WITH SOME GRAVEL AND CONCRETE FRAGMENTS	NONE
										GRADING BLACK IN COLOR, MOIST	
										GRADING VERY WET	NONE
	5		[illegible]	3	5	[illegible]	■	WST/CL		WET GREY SILTY CLAY/WASTE (WASTE DRILLING MUD?)	STRONG [illegible]
	10		5	5	[illegible]		□			AS ABOVE (SAMPLE NOT RECOVERED)	MODERATE [illegible]
										FREE LIQUID	
	15										

BORING TERMINATED AT 14.5 FEET ON JANUARY 14, 19[illegible]
BORING BACKFILLED WITH CEMENT [illegible]

* PHOTOIONIZATION (hnu) DETECTOR (READINGS IN P.I.D. UNITS)

SOURCE: DAMES & MOORE.

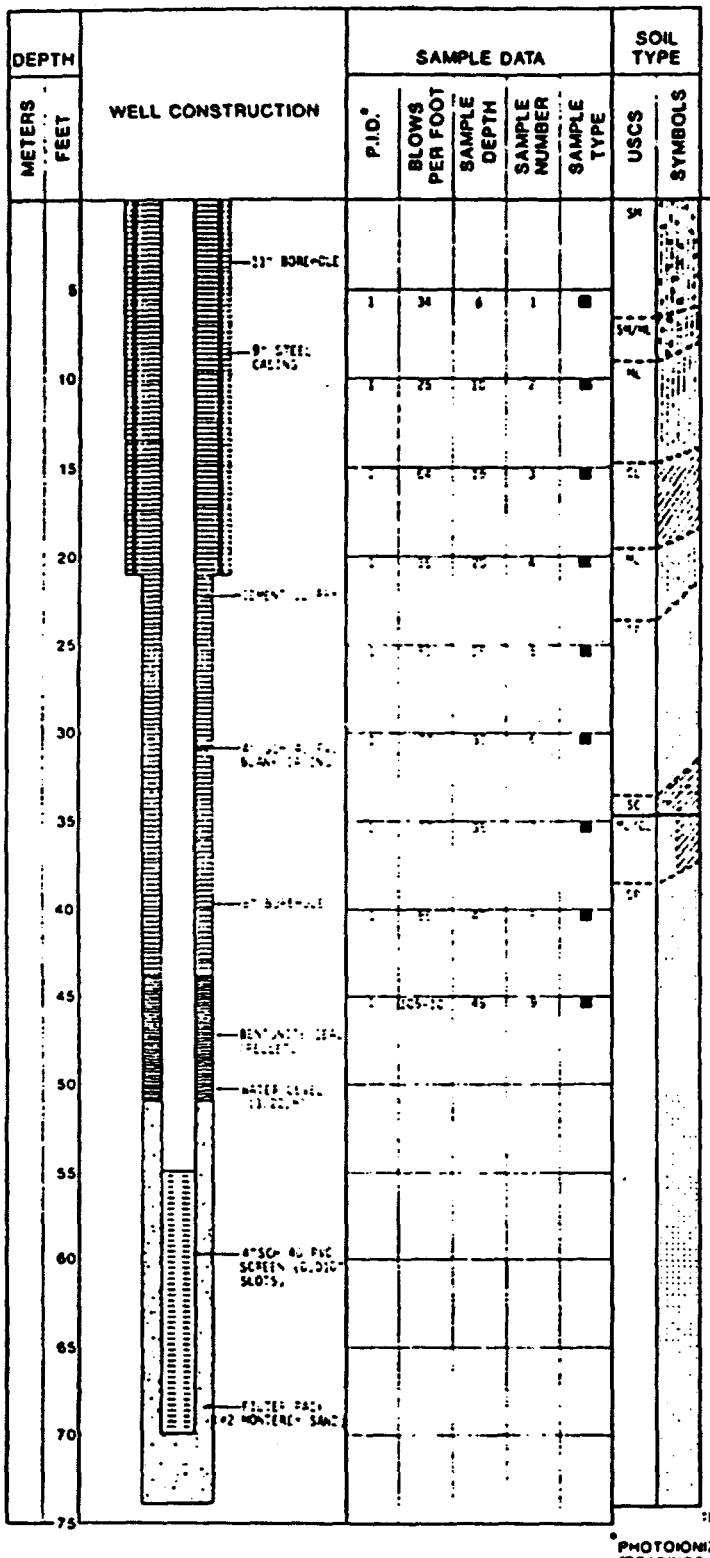
LOG OF BORING MW-2

WASTE DISPOSAL, INC.
SANTA FE SPRINGS, CALIFORNIA

TRC

FIGURE 4

94-256RDISR1-27 REV.08/04/99



BORING MW-3

SURFACE ELEVATION: 116.58 FEET

DESCRIPTION	ODOR
DARK BROWN SANDY SILT, WITH SOME CLAY, BRICK, CONCRETE, GLASS FRAGMENTS	NONE
GRADING TO MOSTLY SILTY SAND AND BRICK FRAGMENTS	
SAMPLE IS MOSTLY BRICK FRAGMENTS	NONE
GRADING TO DARK BROWN FINE SANDY SILT TO COARSE SILT	
GRADING TO DARK BROWN CLAYEY SILT	NONE
GRADING VERY MOIST	
DARK BROWN MOIST SILTY CLAY	NONE
GRADING LESS MOIST	
STIFF SILTY CLAY, (ONLY SLIGHTLY MOIST, (APPEARS TO BE NATURAL SOIL)	
GREENISH BROWN CLAYEY SILT	NONE
LIGHT GREY CLEAN FINE TO MEDIUM SAND, TRACE COARSE SAND	NONE
AS ABOVE	
MEDIUM BROWN FINE TO COARSE SAND WITH SILTY CLAY MATRIX	NONE
MEDIUM BROWN SILTY CLAY TO CLAYEY SILT	
LIGHT GREY CLEAN FINE TO MEDIUM SAND	NONE
LIGHT ORANGISH GREY VERY FINE TO FINE SAND	NONE
GRADING TO MEDIUM TO COARSE SAND WATER AT 50.5 FEET	
AS ABOVE	
AS ABOVE	

TERMINATED BORING AT 74 FEET ON JANUARY 30, 1990

*PHOTOIONIZATION (hnu) DETECTOR (READINGS IN P.I.D. UNITS)

LOG OF BORING MW-3

WASTE DISPOSAL, INC.
SANTA FE SPRINGS, CALIFORNIA

TRC

FIGURE 5

SOURCE: DAMES & MOORE.

APPENDIX I

AERIAL PHOTOGRAPHS

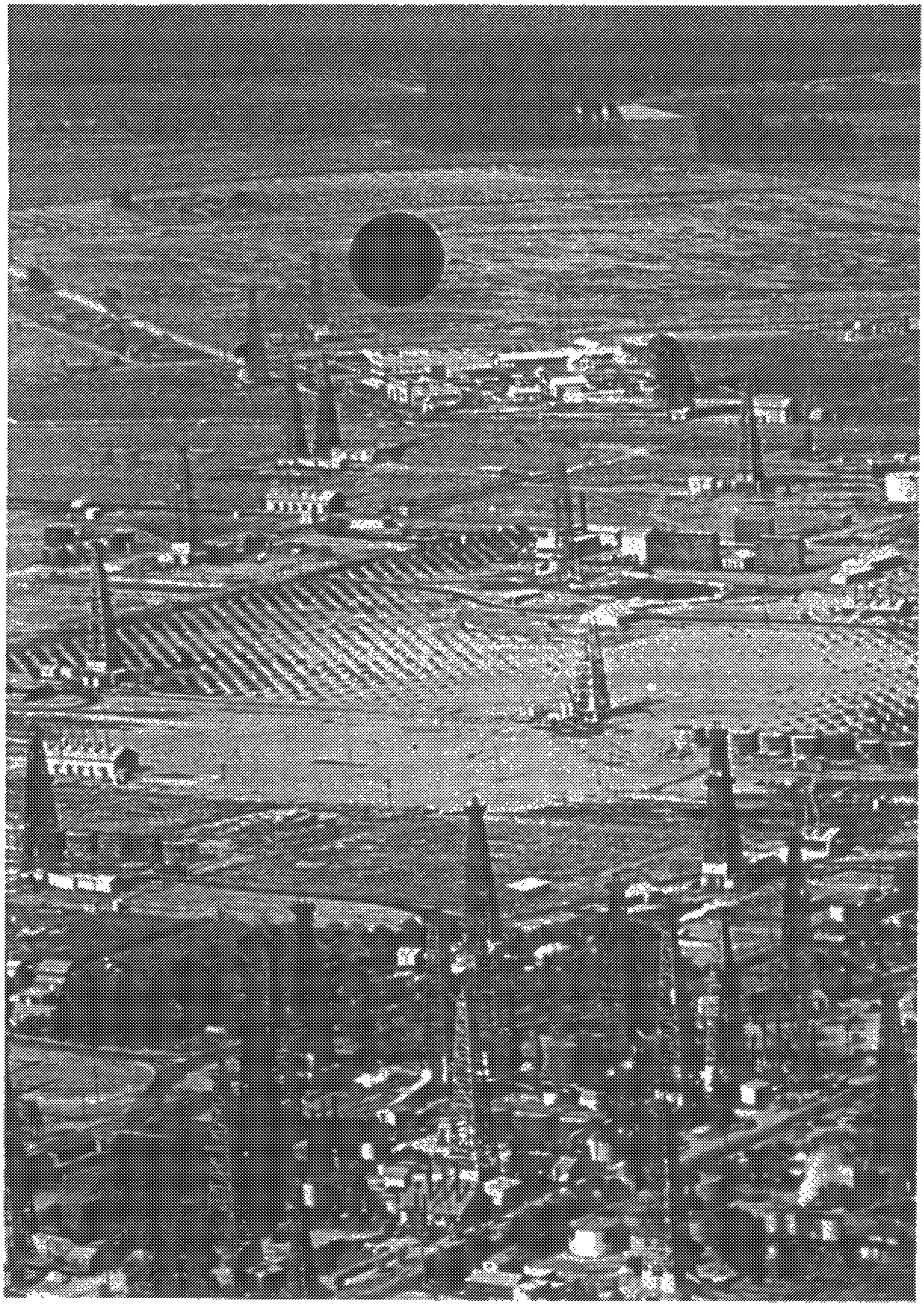
TRC

AERIAL PHOTOGRAPH
MARCH 4, 1922

WASTE DISPOSAL, INC.
SANTA FE SPRINGS, CALIFORNIA

TRC | **FIGURE I.1**

94-266RDSR1 REV. 8/12/99



AERIAL PHOTOGRAPH
JUNE 10, 1923

WASTE DISPOSAL, INC.
SANTA FE SPRINGS, CALIFORNIA

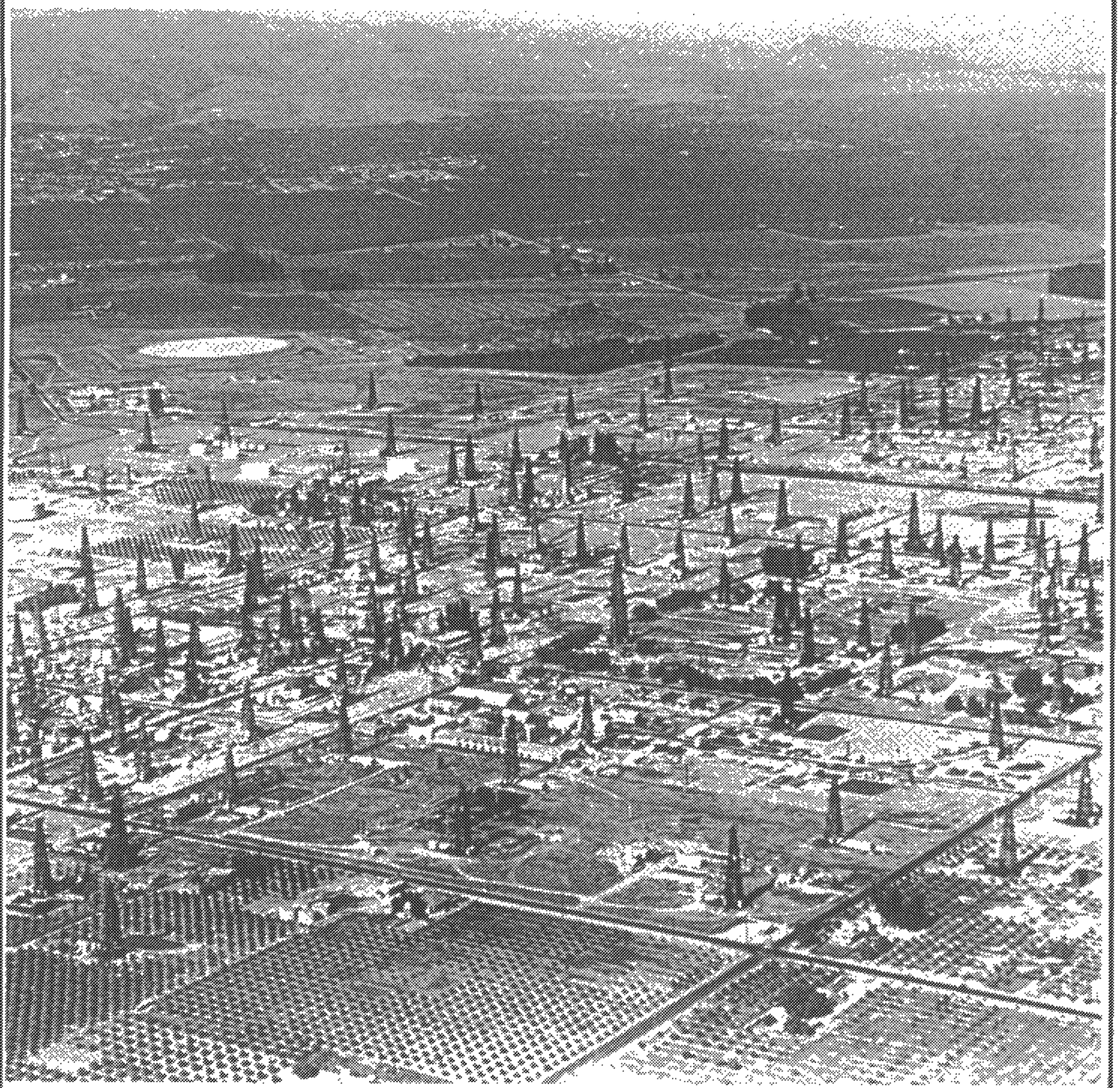
TRC | FIGURE I.2

AERIAL PHOTOGRAPH
FEBRUARY 13, 1924

WASTE DISPOSAL, INC.
SANTA FE SPRINGS, CALIFORNIA

TRC | FIGURE I.3

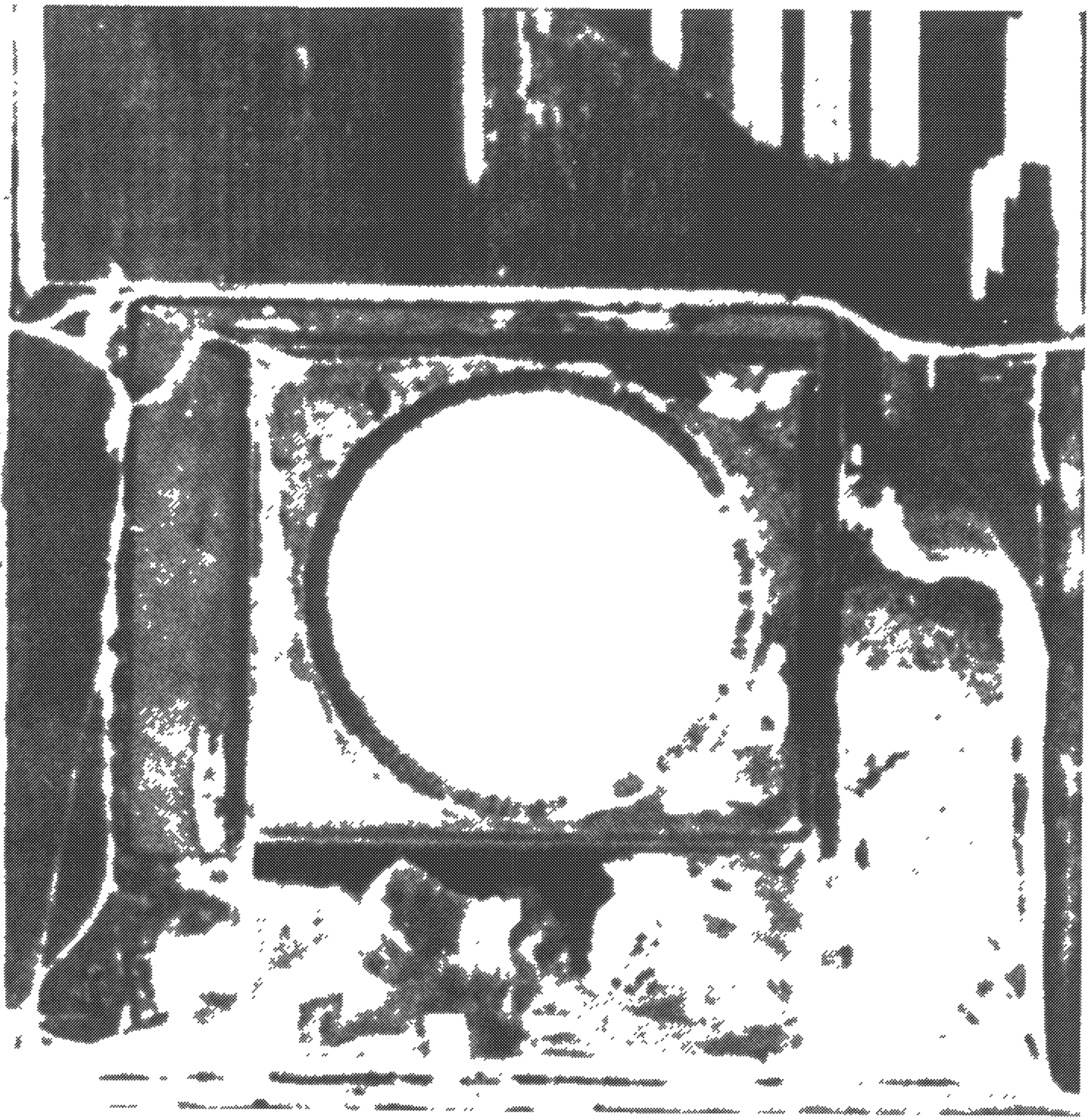
94-5567-C1-SB1 REV 01/98



AERIAL PHOTOGRAPH
JULY 28, 1926

WASTE DISPOSAL, INC.
SANTA FE SPRINGS, CALIFORNIA

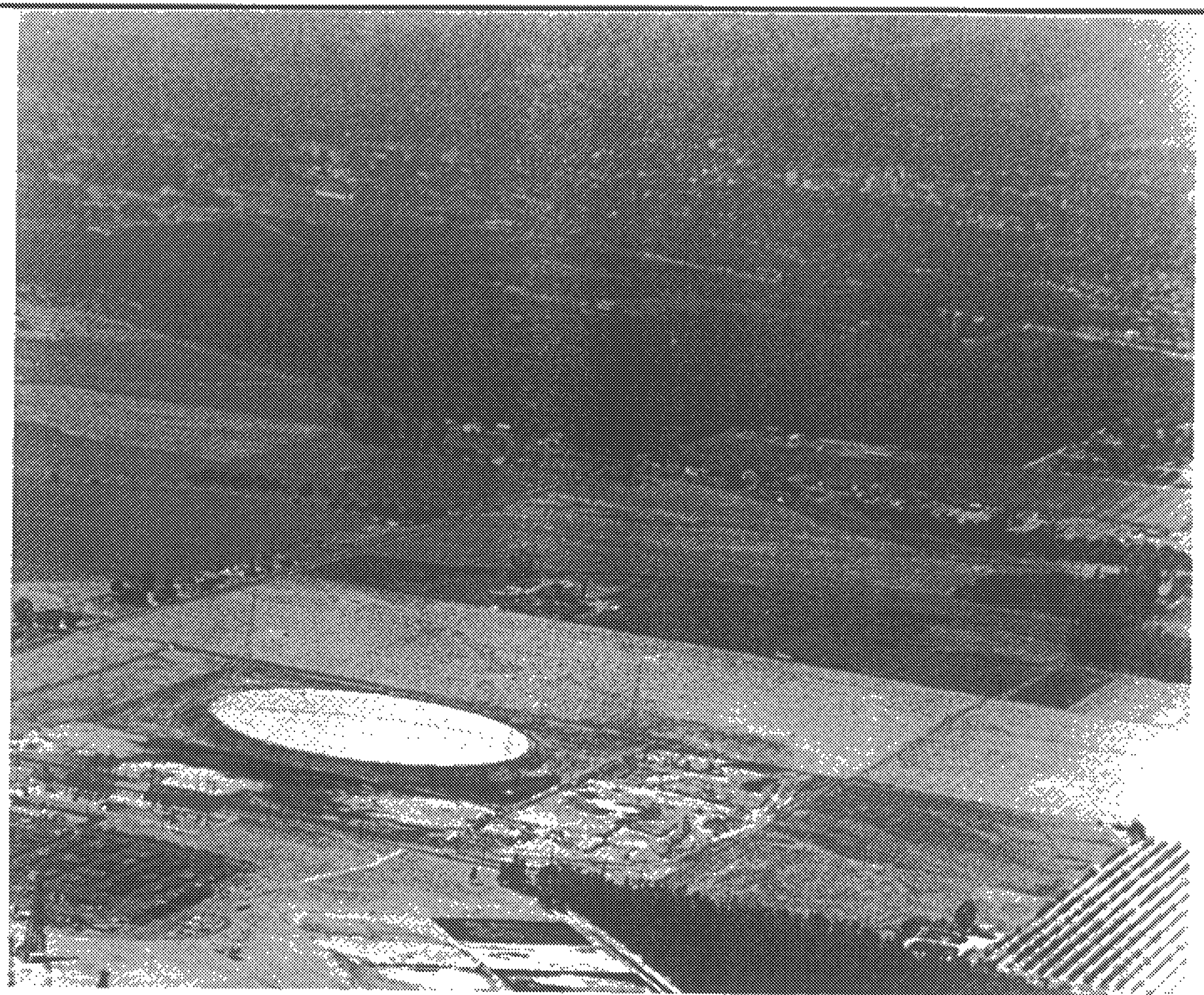
TRC | FIGURE I.4



AERIAL PHOTOGRAPH
1928

WASTE DISPOSAL, INC.
SANTA FE SPRINGS, CALIFORNIA

TRC | FIGURE I.5

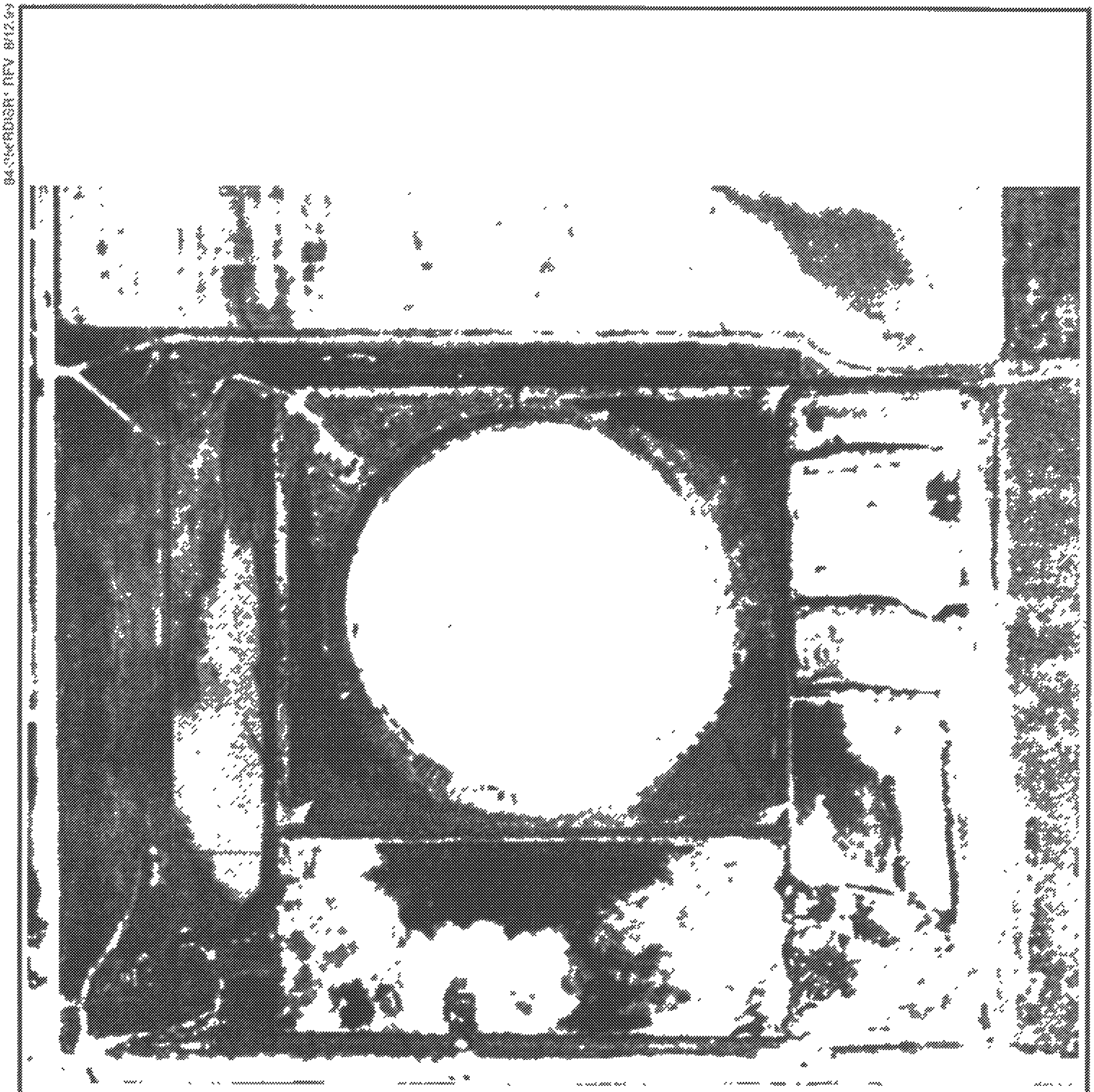


AERIAL PHOTOGRAPH
JULY 7, 1933

WASTE DISPOSAL, INC.
SANTA FE SPRINGS, CALIFORNIA

TRC

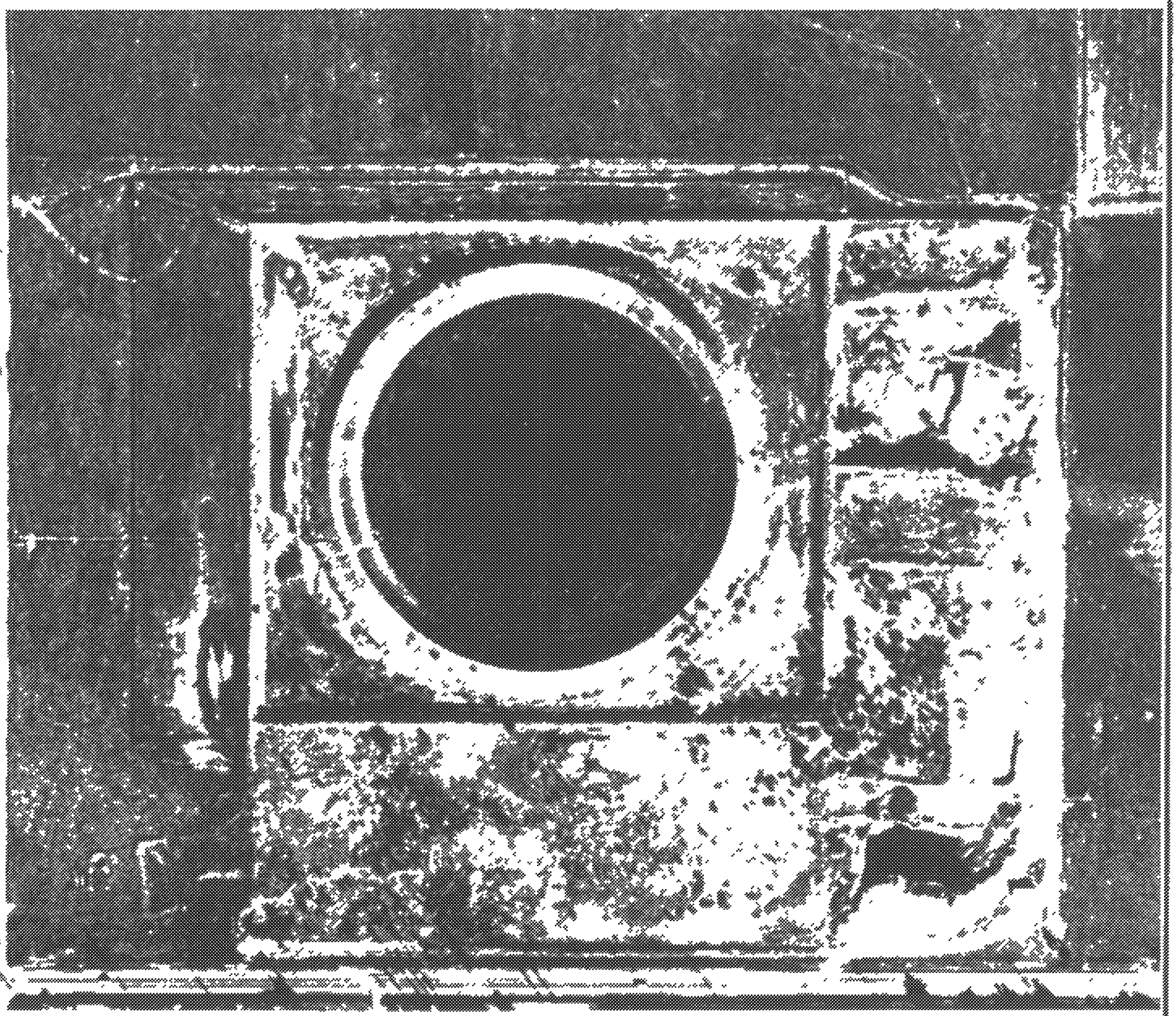
FIGURE I.6



AERIAL PHOTOGRAPH
FEBRUARY 20, 1937

WASTE DISPOSAL, INC.
SANTA FE SPRINGS, CALIFORNIA

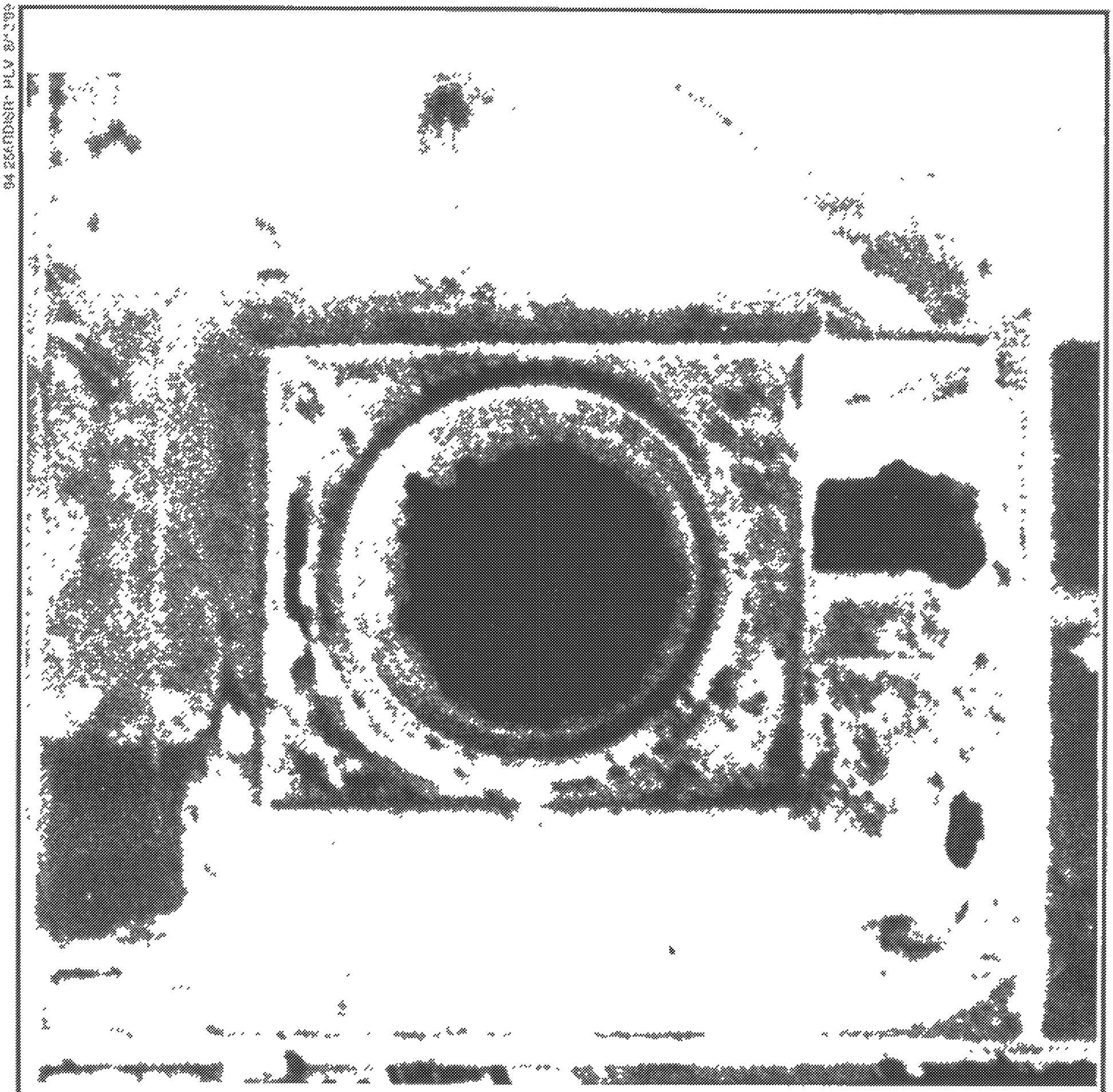
TRC | FIGURE I.7



AERIAL PHOTOGRAPH
JANUARY 1, 1945

WASTE DISPOSAL, INC.
SANTA FE SPRINGS, CALIFORNIA

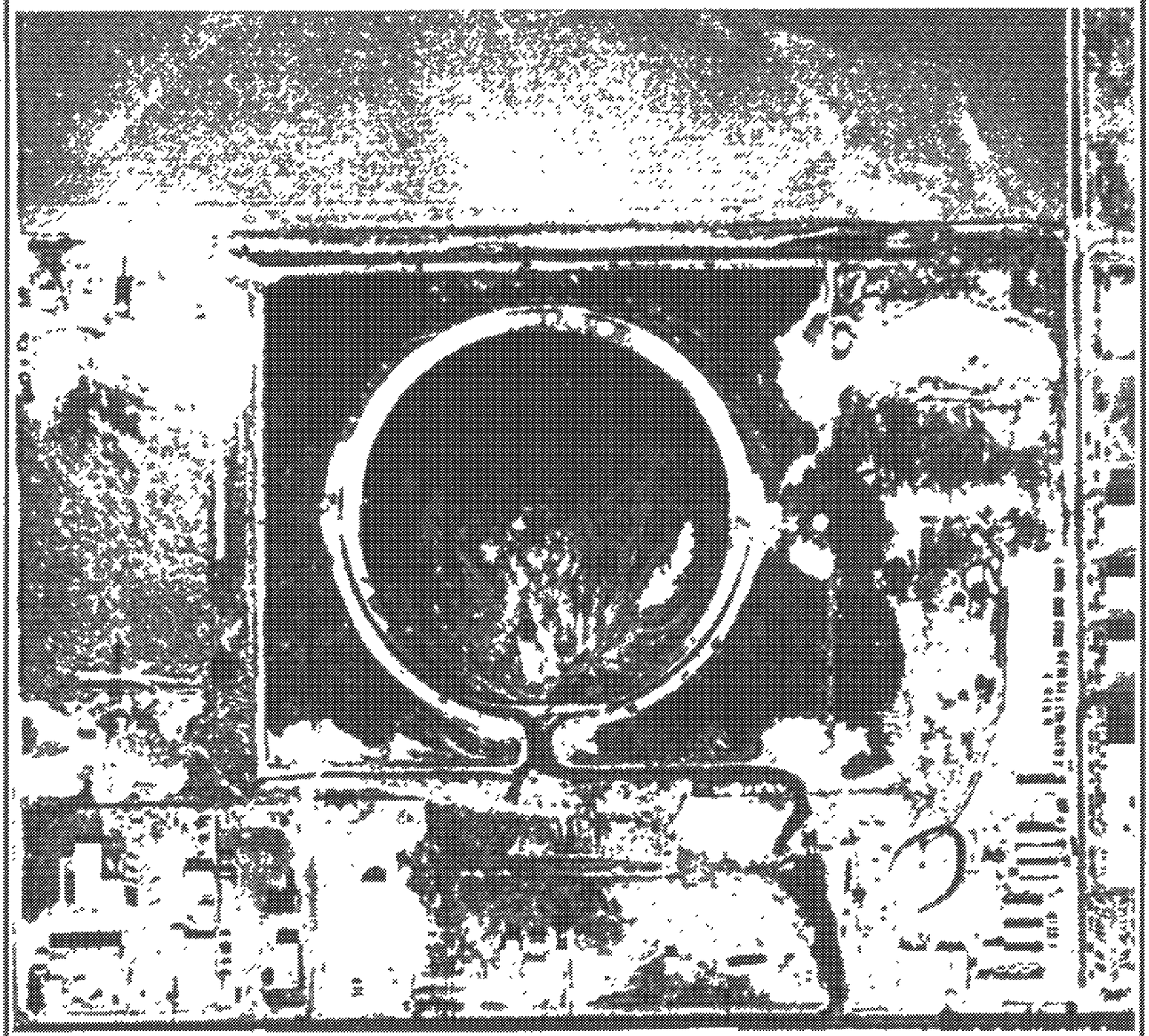
TRC | FIGURE I.8



AERIAL PHOTOGRAPH
FEBRUARY 8, 1949

WASTE DISPOSAL, INC.
SANTA FE SPRINGS, CALIFORNIA

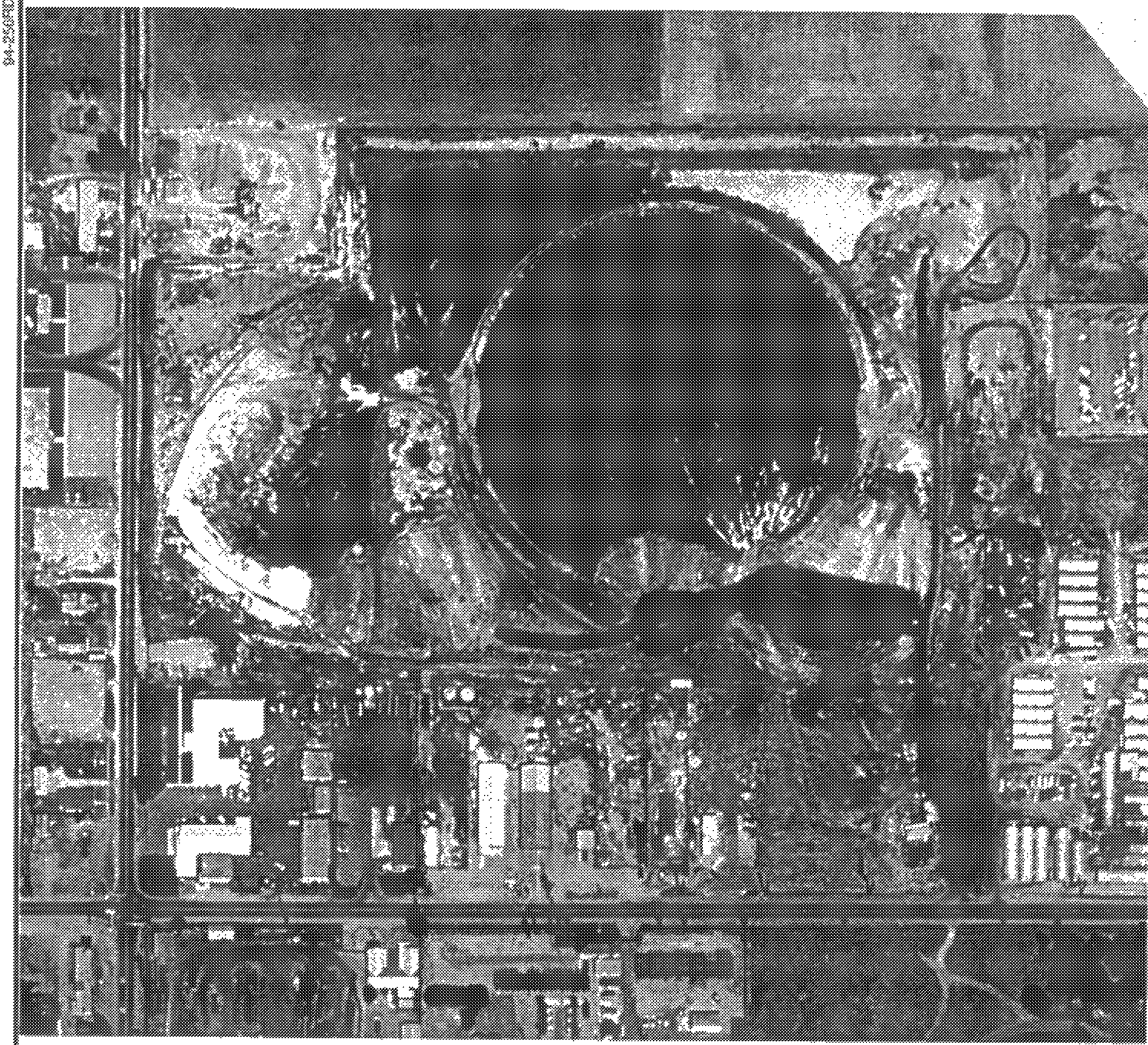
TRC | FIGURE I.9



AERIAL PHOTOGRAPH
OCTOBER 19, 1953

WASTE DISPOSAL, INC.
SANTA FE SPRINGS, CALIFORNIA

TRC | FIGURE I.10



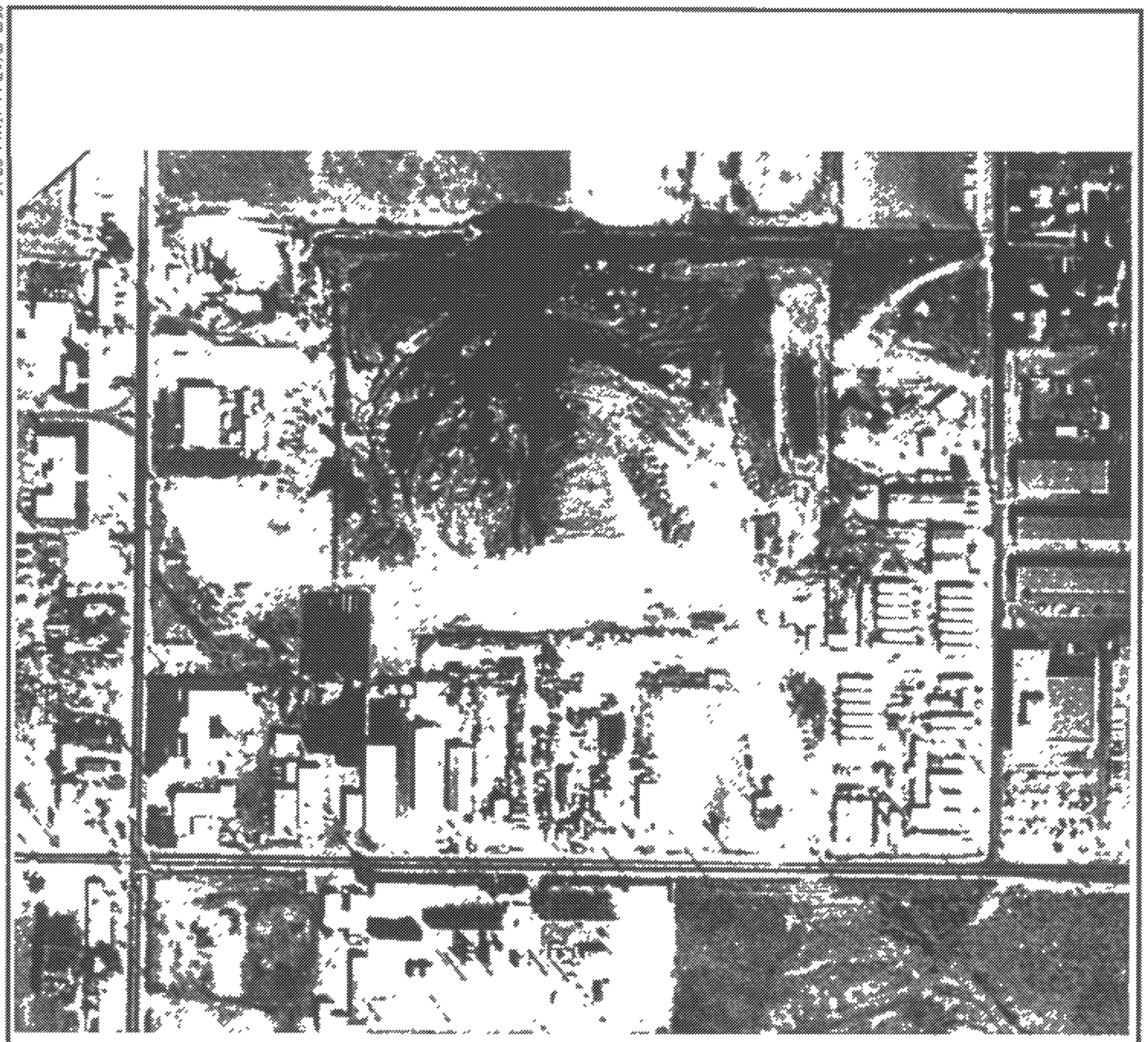
AERIAL PHOTOGRAPH
SEPTEMBER 8, 1958

WASTE DISPOSAL, INC.
SANTA FE SPRINGS, CALIFORNIA

TRC

FIGURE I.11

94-25GRDISR1 REV. 8/12/99

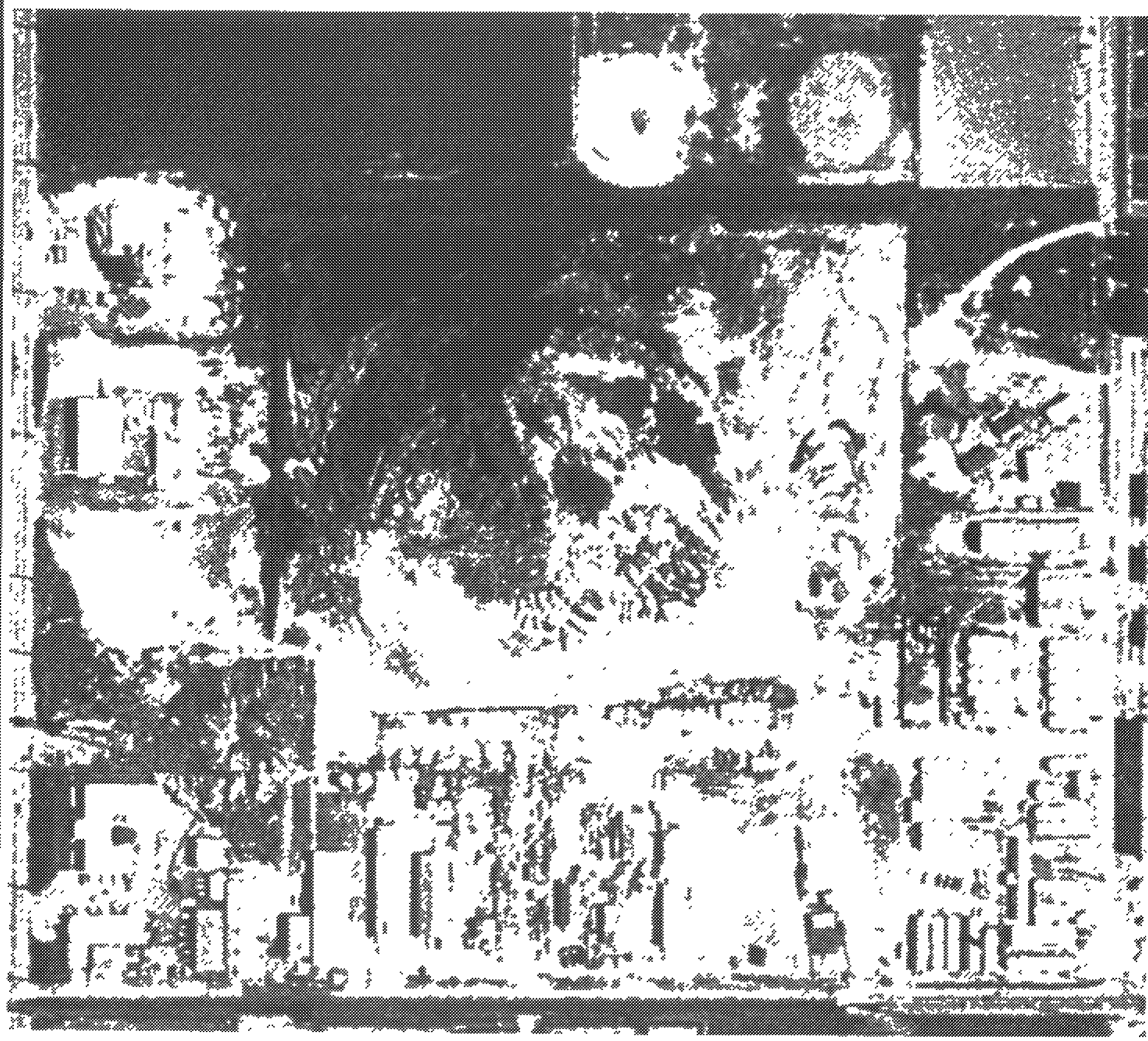


AERIAL PHOTOGRAPH
NOVEMBER 20, 1962

WASTE DISPOSAL, INC.
SANTA FE SPRINGS, CALIFORNIA

TRC | FIGURE I.12

04 26 2003 11:03AM P.03

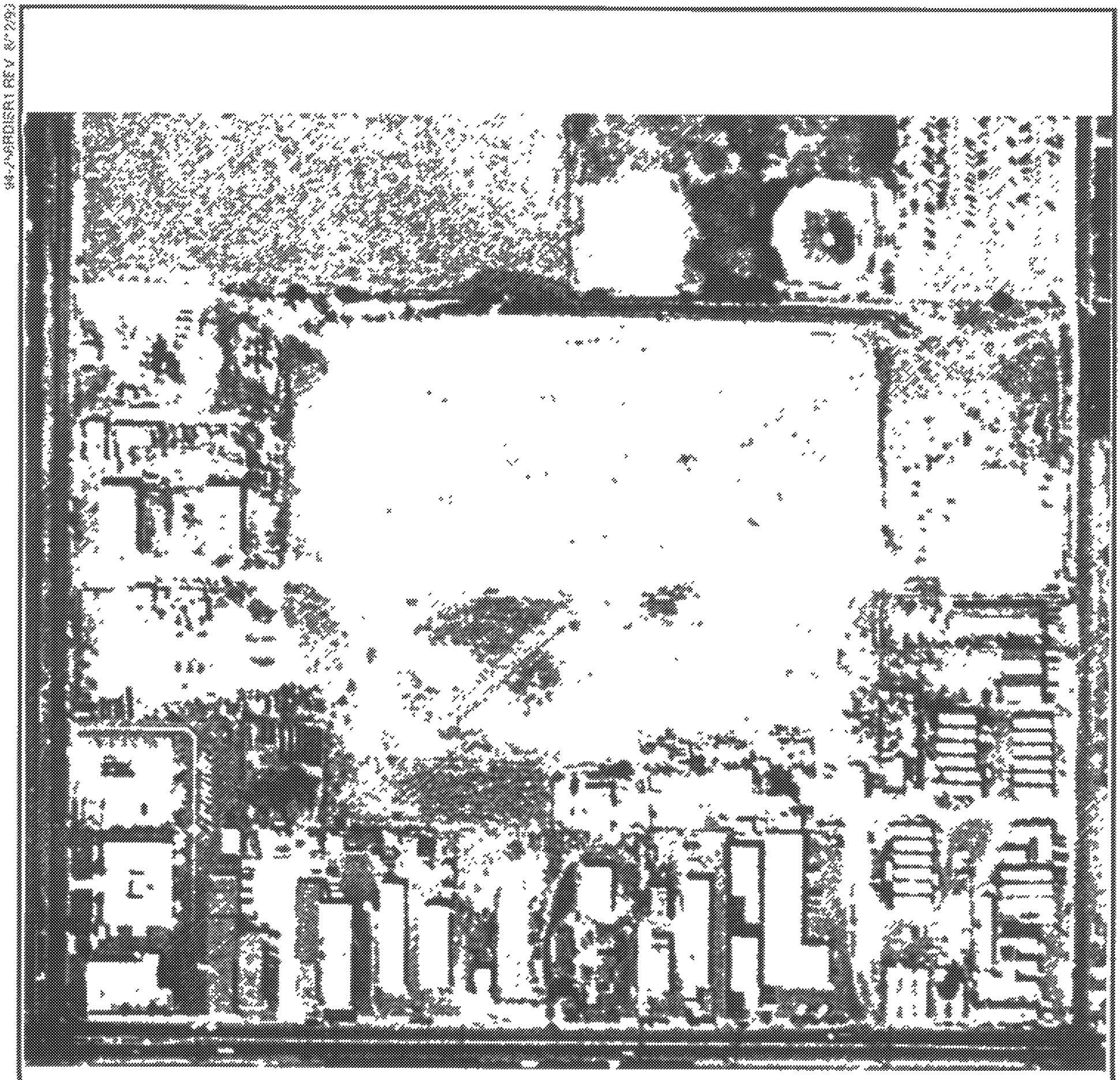


AERIAL PHOTOGRAPH
FEBRUARY 28, 1963

WASTE DISPOSAL, INC.
SANTA FE SPRINGS, CALIFORNIA

TRC	FIGURE I.13

04 25GRDIGR REV 2.'2003

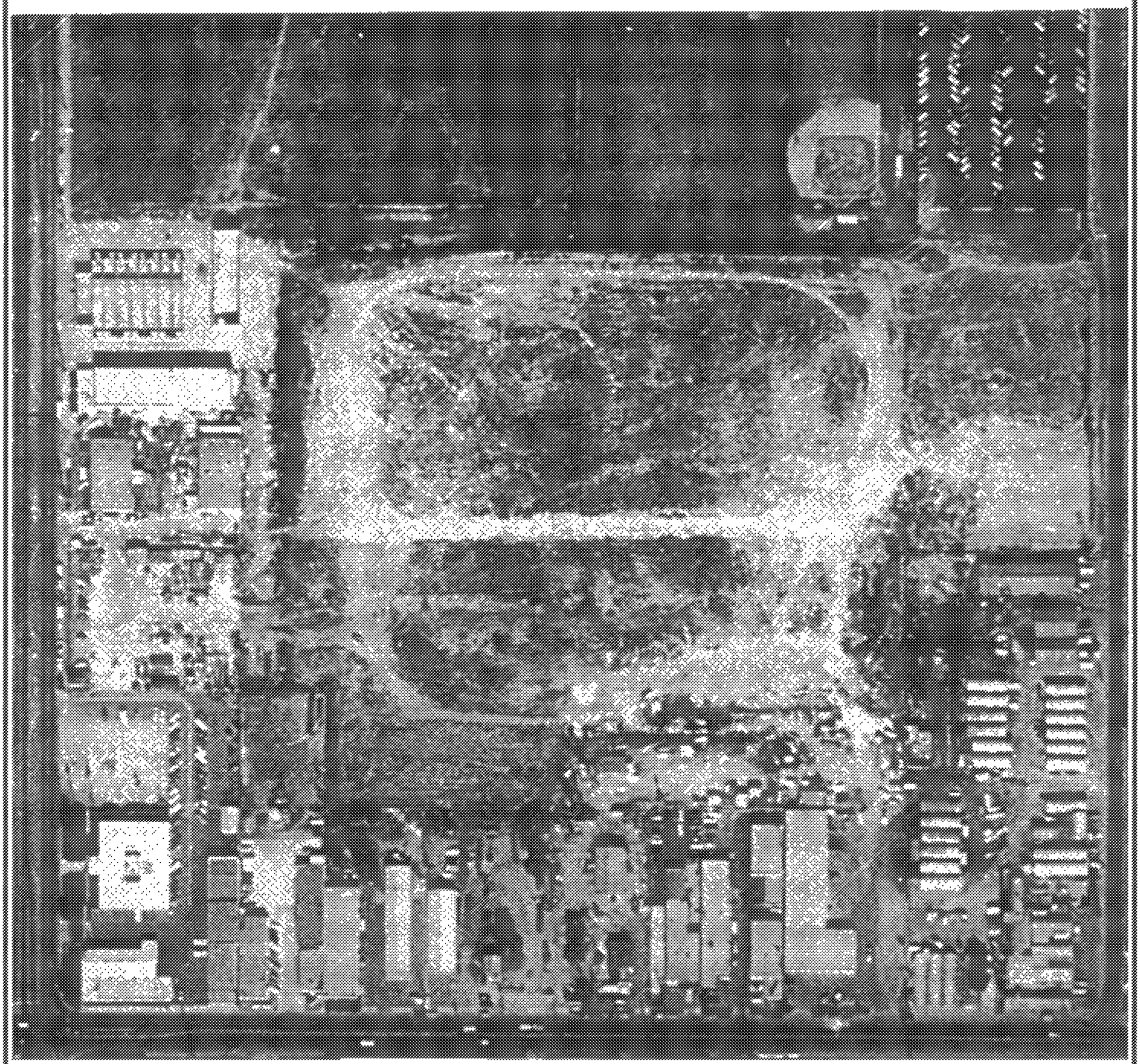


AERIAL PHOTOGRAPH
SEPTEMBER 23, 1968

WASTE DISPOSAL, INC.
SANTA FE SPRINGS, CALIFORNIA

TRC | FIGURE I.14

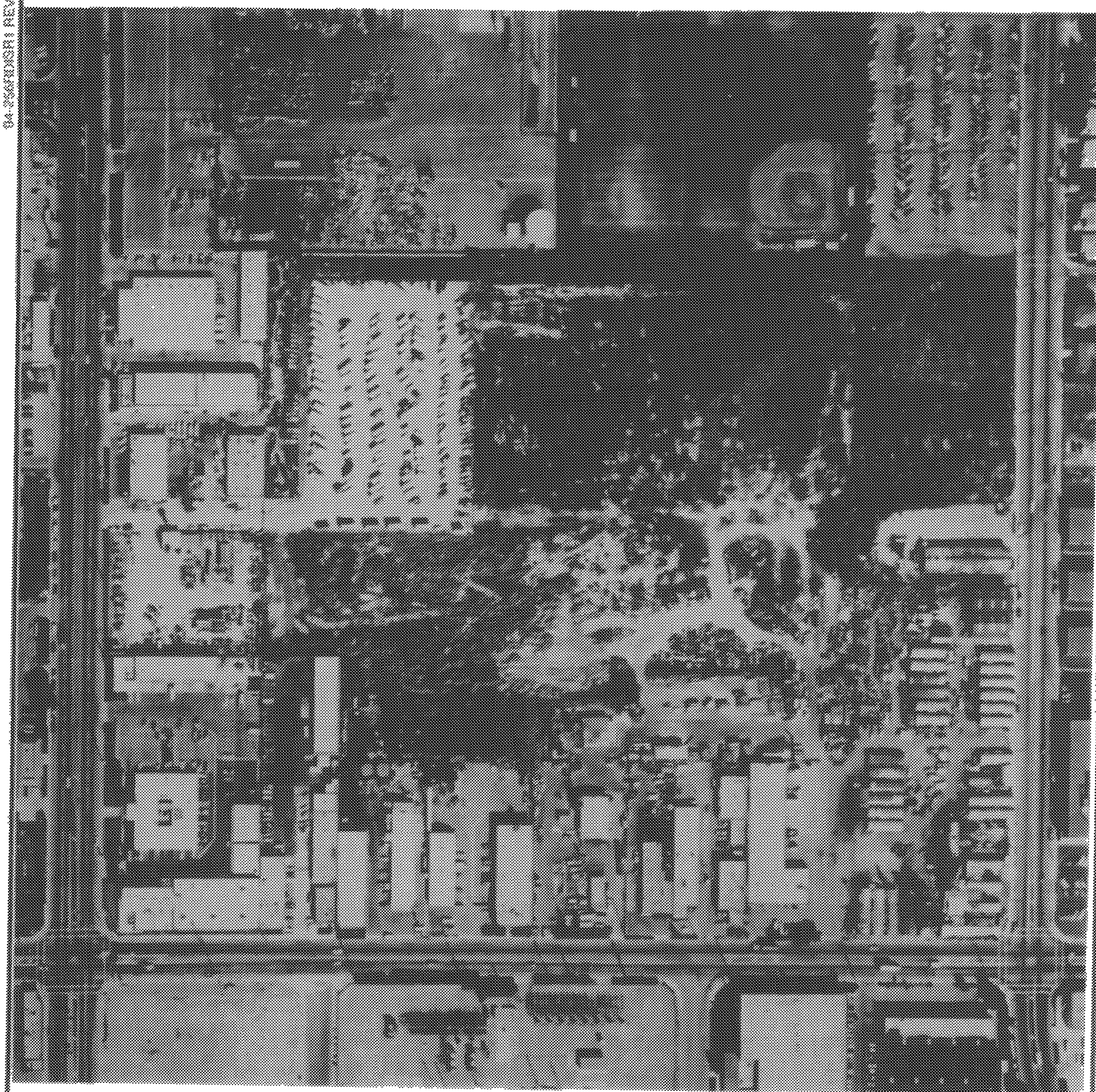
04-2564DMSR1 REV. 8/12/99



AERIAL PHOTOGRAPH
OCTOBER 30, 1972

WASTE DISPOSAL, INC.
SANTA FE SPRINGS, CALIFORNIA

TRC | FIGURE I.15



AERIAL PHOTOGRAPH
OCTOBER 27, 1983

WASTE DISPOSAL, INC.
SANTA FE SPRINGS, CALIFORNIA

TRC

FIGURE I.16

04-33FDSH REV. 8/12/88

AERIAL PHOTOGRAPH
FEBRUARY 10, 1985

WASTE DISPOSAL, INC.
SANTA FE SPRINGS, CALIFORNIA

TRC | FIGURE I.17

94-550R059 REV 2/1/99

AERIAL PHOTOGRAPH
NOVEMBER 20, 1987

WASTE DISPOSAL, INC.
SANTA FE SPRINGS, CALIFORNIA

TRC

FIGURE I.18

AERIAL PHOTOGRAPH
AUGUST 5, 1998

WASTE DISPOSAL, INC.
SANTA FE SPRINGS, CALIFORNIA

TRC

FIGURE I.19

APPENDIX J

INDEX TO DISK NO. 1 OF 2
APPENDIX FILE A

TRC

DISK NO. 1 OF 2
Appendix File A

TIF File No.	Date Sampled	Well I.D. No.	EPA Analysis Method
3	9/10/98	WDI-LS-1(F)	P809197-01
		WDI-LS-1(W)	P809197-02
		WDI-LS-2(F)	P809197-03
		WDI-LS-2(W)	P809197-04
		WDI-LS-3(F)	P809197-05
		WDI-LS-3(W)	P809197-06
		WDI-LS-4(F)	P809197-07
		WDI-LS-4(W)	P809197-08
		WDI-LS-5(F)	P809197-09
		WDI-LS-5(W)	P80919710
4	9/10/98	WDI-LS-1(F)	6000/7000
		WDI-LS-1(W)	6000/7000
		WDI-LS-2(F)	6000/7000
5	9/10/98	WDI-LS-2(F)	6000/7000
		WDI-LS-2(W)	6000/7000
		WDI-LS-3(F)	6000/7000
6	9/10/98	WDI-LS-3(F)	6000/7000
		WDI-LS-3(W)	6000/7000
		WDI-LS-4(F)	6000/7000
7	9/10/98	WDI-LS-4(F)	6000/7000
		WDI-LS-4(W)	6000/7000
		WDI-LS-5(F)	6000/7000
8	9/10/98	WDI-LS-5(F)	6000/7000
		WDI-LS-5(W)	6000/7000
9	9/10/98	WDI-LS-1(F)	6000/7000
		WDI-LS-1(W)	6000/7000
		WDI-LS-2(F)	6000/7000
10	9/10/98	WDI-LS-2(F)	6000/7000
		WDI-LS-2(W)	6000/7000
		WDI-LS-3(F)	6000/7000
11	9/10/98	WDI-LS-3(F)	6000/7000
		WDI-LS-3(W)	6000/7000
		WDI-LS-4(F)	6000/7000
12	9/10/98	WDI-LS-4(F)	6000/7000
		WDI-LS-4(W)	6000/7000
		WDI-LS-5(F)	6000/7000
13	9/10/98	WDI-LS-5(F)	6000/7000
		WDI-LS-5(W)	6000/7000
14	9/10/98	WDI-LS-1(F)	6000/7000
		WDI-LS-1(W)	1311/6000/7000
		WDI-LS-2(F)	1311/6000/7000
		WDI-LS-2(W)	1311/6000/7000
		WDI-LS-3(F)	1311/6000/7000
15	9/10/98	WDI-LS-3(F)	1311/6000/7000
		WDI-LS-3(W)	1311/6000/7000
		WDI-LS-4(F)	1311/6000/7000
		WDI-LS-4(W)	1311/6000/7000
		WDI-LS-5(F)	1311/6000/7000
16	9/10/98	WDI-LS-5(F)	1311/6000/7000
		WDI-LS-5(W)	1311/6000/7000
17	9/10/98	WDI-LS-1(F)	8080A
		WDI-LS-1(W)	8080A
18	910/98	WDI-LS-1(W)	8080A
		WDI-LS-2(F)	8080A

DISK NO. 1 OF 2
Appendix File A

TIF File No.	Date Sampled	Well I.D. No.	EPA Analysis Method
19	9/10/98	WDI-LS-2(F)	8080A
		WDI-LS-2(W)	8080A
		WDI-LS-3(F)	8080A
20	9/10/98	WDI-LS-3(F)	8080A
		WDI-LS-3(W)	8080A
21	9/10/98	WDI-LS-3(W)	8080A
		WDI-LS-4(F)	8080A
22	9/10/98	WDI-LS-4(F)	8080A
		WDI-LS-4(W)	8080A
		WDI-LS-5(F)	8080A
23	9/10/98	WDI-LS-5(F)	8080A
		WDI-LS-5(W)	8080A
24	9/10/98	WDI-LS-5(W)	8080A
25	9/10/98	WDI-LS-1(F)	8270B
26	9/10/98	WDI-LS-1(F)	8270B
27	9/10/98	WDI-LS-1(W)	8270B
28	9/10/98	WDI-LS-1(W)	8270B
29	9/10/98	WDI-LS-2(F)	8270B
30	9/10/98	WDI-LS-2(F)	8270B
31	9/10/98	WDI-LS-2(W)	8270B
32	9/10/98	WDI-LS-2(W)	8270B
33	9/10/98	WDI-LS-3(F)	8270B
34	9/10/98	WDI-LS-3(F)	8270B
35	9/10/98	WDI-LS-3(W)	8270B
36	9/10/98	WDI-LS-3(W)	8270B
37	9/10/98	WDI-LS-4(F)	8270B
38	9/10/98	WDI-LS-4(F)	8270B
39	9/10/98	WDI-LS-4(W)	8270B
40	9/10/98	WDI-LS-4(W)	8270B
41	9/10/98	WDI-LS-5(F)	8270B
42	9/10/98	WDI-LS-5(F)	8270B
43	9/10/98	WDI-LS-5(W)	8270B
44	9/10/98	WDI-LS-5(W)	8270B
45	9/10/98	WDI-LS-1(F)	1311/8080A
		WDI-LS-1(W)	1311/8080A
		WDI-LS-2(F)	1311/8080A
46	9/10/98	WDI-LS-2(F)	1311/8080A
		WDI-LS-2(W)	1311/8080A
		WDI-LS-3(F)	1311/8080A
47	9/10/98	WDI-LS-3(F)	1311/8080A
		WDI-LS-3(W)	1311/8080A
		WDI-LS-4(F)	1311/8080A
48	9/10/98	WDI-LS-4(F)	1311/8080A
		WDI-LS-4(W)	1311/8080A
		WDI-LS-5(F)	1311/8080A
		WDI-LS-5(W)	1311/8080A
49	9/10/98	WDI-LS-5(W)	1311/8080A
50	9/10/98	WDI-LS-1(F)	1311/8270B
		WDI-LS-1(W)	1311/8270B
51	9/10/98	WDI-LS-2(F)	1311/8270B
		WDI-LS-2(W)	1311/8270B
52	9/10/98	WDI-LS-3(F)	1311/8270B
		WDI-LS-3(W)	1311/8720B

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Appendix File A

TIF File No.	Date Sampled	Well I.D. No.	EPA Analysis Method
53	9/10/98	WDI-LS-4(F)	1311/8270B
		WDI-LS-4(W)	1311/8270B
54	9/10/98	WDI-LS-5(F)	1311/8720B
		WDI-LS-5(W)	1311/8720B
55	9/10/98	WDI-LS-1(F)	P809197-01
		WDI-LS-1(W)	P809197-01
		WDI-LS-2(F)	P809197-01
		WDI-LS-2(W)	P809197-01
		WDI-LS-3(F)	P809197-01
		WDI-LS-3(W)	P809197-01
		WDI-LS-4(F)	P809197-01
		WDI-LS-4(W)	P809197-01
		WDI-LS-5(F)	P809197-01
		WDI-LS-5(W)	P809197-01
56	9/10/98	BLANK	6000/7000
		LCS	6000/7000
		Matrix Spike	6000/7000
57	9/10/98	Matrix Spike	6000/7000
		Matrix Spike	6000/7000
		BLANK	6000/7000
		LCS	6000/7000
		Matrix Spike	6000/7000
58	9/10/98	Matrix Spike	6000/7000
59	9/10/98	BLANK	6000/7000
		LCS	6000/7000
		Matrix Spike	6000/7000
60	9/10/98	Matrix Spike	6000/7000
		Matrix Spike	6000/7000
		BLANK	6000/7000
		LCS	6000/7000
		Matrix Spike	6000/7000
61	9/10/98	Matrix Spike	6000/7000
62	9/10/98	BLANK	1311/6000/7000
		LCS	1311/6000/7000
		Matrix Spike	1311/6000/7000
		Matrix Spike	1311/6000/7000
		BLANK	1311/6000/700
63	9/10/98	LCS	1311/6000/7000
		Matrix Spike	1311/6000/7000
		Matrix Spike	1311/6000/7000
64	9/10/98	BLANK	8080A
		Matrix Spike	8080A
65	9/10/98	Matrix Spike	8080A
66	9/10/98	BLANK	8270B
67	9/10/98	BLANK	8270B
		LCS	8270B
68	9/10/98	LCS	8270B
		Matrix Spike	8270B
		Matrix Spike	8270B
69	9/10/98	Matrix Spike	8270B
70	9/10/98	BLANK	1311/8080A
		LCS	1311/8080A
		Matrix Spike	1311/8080A
		Matrix Spike	1311/8080A

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Appendix File A

TIF File No.	Date Sampled	Well I.D. No.	EPA Analysis Method
71	9/10/98	BLANK	1311/8270B
		LCS	1311/8270B
72	9/10/98	Matrix Spike	1311/8270B
		Matrix Spike	1311/8270B
73	9/10/98	Duplicate	
74	9/10/98	Notes & Defenitions	
75	9/10/98	WDI-LS-1(F)	8270/8081/2
		WDI-LS-1(W)	8270/8081/2
		WDI-LS-2(F)	8270/8081/2
		WDI-LS-2(W)	8270/8081/2
		WDI-LS-3(F)	8270/8081/2
		WDI-LS-3(W)	8270/8081/2
		WDI-LS-4(F)	8270/8081/2
		WDI-LS-4(W)	8270/8081/2
		WDI-LS-5(F)	8270/8081/2
		WDI-LS-5(W)	8270/8081/2
76	TM10CALIBRATION		
77	TM10CALIBRATION		
78	TM10CALIBRATION		
79	TM10CALIBRATION		
80	TM10CALIBRATION		
81	TM10CALIBRATION		
82	9/10/98	WDI-LS-1(F)	8270/8081/2
		WDI-LS-1(W)	8270/8081/2
		WDI-LS-2(F)	8270/8081/2
		WDI-LS-2(W)	8270/8081/2
		WDI-LS-3(F)	8270/8081/2
		WDI-LS-3(W)	8270/8081/2
		WDI-LS-4(F)	8270/8081/2
		WDI-LS-4(W)	8270/8081/2
		WDI-LS-5(F)	8270/8081/2
		WDI-LS-5(W)	8270/8081/2
83	TM10CALIBRATION		
84	9/10/98	WDI-LS-1(F)	P809197-01
		WDI-LS-1(W)	P809197-02
		WDI-LS-2(F)	P809197-03
		WDI-LS-2(W)	P809197-04
		WDI-LS-3(F)	P809197-05
		WDI-LS-3(W)	P809197-06
		WDI-LS-4(F)	P809197-07
		WDI-LS-4(W)	P809197-08
		WDI-LS-5(F)	P809197-09
		WDI-LS-5(W)	P809197-10
85	9/10/98	WDI-LS-1(F)	6000/7000
		WDI-LS-1(W)	6000/7000
		WDI-LS-2(F)	6000/7000
86	9/10/98	WDI-LS-2(F)	6000/7000
		WDI-LS-2(W)	6000/7000
		WDI-LS-3(F)	6000/7000
87	9/10/98	WDI-LS-3(F)	6000/7000
		WDI-LS-3(W)	6000/7000
		WDI-LS-4(F)	6000/7000

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Appendix File A

TIF File No.	Date Sampled	Well I.D. No.	EPA Analysis Method
88	9/10/98	WDI-LS-4(F)	6000/7000
		WDI-LS-4(W)	6000/7000
		WDI-LS-5(F)	6000/7000
89	9/10/98	WDI-LS-5(F)	6000/7000
		WDI-LS-5(W)	6000/7000
90	9/10/98	WDI-LS-1(F)	6000/7000
		WDI-LS-1(W)	6000/7000
		WDI-LS-2(F)	6000/7000
91	9/10/98	WDI-LS-2(F)	6000/7000
		WDI-LS-2(W)	6000/7000
		WDI-LS-3(F)	6000/7000
92	9/10/98	WDI-LS-3(F)	6000/7000
		WDI-LS-3(W)	6000/7000
		WDI-LS-4(F)	6000/7000
93	9/10/98	WDI-LS-4(F)	6000/7000
		WDI-LS-4(W)	6000/7000
		WDI-LS-5(F)	6000/7000
94	9/10/98	WDI-LS-5(F)	6000/7000
		WDI-LS-5(W)	6000/7000
95	9/10/98	WDI-LS-1(F)	1311/6000/7000
		WDI-LS-1(W)	1311/6000/7000
		WDI-LS-2(F)	1311/6000/7000
		WDI-LS-2(W)	1311/6000/7000
		WDI-LS-3(F)	1311/6000/7000
96	9/10/98	WDI-LS-3(F)	1311/6000/7000
		WDI-LS-3(W)	1311/6000/7000
		WDI-LS-4(F)	1311/6000/7000
		WDI-LS-4(W)	1311/6000/7000
		WDI-LS-5(F)	1311/6000/7000
97	9/10/98	WDI-LS-5(F)	1311/6000/7000
		WDI-LS-5(W)	1311/6000/7000
98	9/10/98	WDI-LS-1(F)	8080A
		WDI-LS-1(W)	8080A
99	9/10/98	WDI-LS-1(W)	8080A
		WDI-LS-2(F)	8080A
100	9/10/98	WDI-LS-2(F)	8080A
		WDI-LS-2(W)	8080A
		WDI-LS-3(F)	8080A
101	9/10/98	WDI-LS-3(F)	8080A
		WDI-LS-3(W)	8080A
102	9/10/98	WDI-LS-3(W)	8080A
		WDI-LS-4(F)	8080A
103	9/10/98	WDI-LS-4(F)	8080A
		WDI-LS-4(W)	8080A
		WDI-LS-5(F)	8080A
104	9/10/98	WDI-LS-5(F)	8080A
		WDI-LS-5(W)	8080A
105	9/10/98	WDI-LS-5(W)	8080A
106	9/10/98	WDI-LS-1(F)	8270B
107	9/10/98	WDI-LS-1(F)	8270B
108	9/10/98	WID-LS-1(W)	8270B
109	9/10/98	WDI-LS-1(W)	8270B
110	9/10/98	WDI-LS-2(F)	8270B
111	9/10/98	WDI-LS-2(F)	8270B

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Appendix File A

TIF File No.	Date Sampled	Well I.D. No.	EPA Analysis Method
112	9/10/98	WDI-LS-2(W)	8270B
113	9/10/98	WDI-LS-2(W)	8270B
114	9/10/98	WDI-LS-3(F)	8270B
115	9/10/98	WDI-LS-3(F)	8270B
116	9/10/98	WDI-LS-3(W)	8270B
117	9/10/98	WDI-LS-3(W)	8270B
118	9/10/98	WDI-LS-4(F)	8270B
119	9/10/98	WDI-LS-4(F)	8270B
120	9/10/98	WDI-LS-4(W)	8270B
121	9/10/98	WDI-LS-4(W)	8270B
122	9/10/98	WDI-LS-5(F)	8270B
123	9/10/98	WDI-LS-5(F)	8270B
124	9/10/98	WDI-LS-5(W)	8270B
125	9/10/98	WDI-LS-5(W)	8270B
126	9/10/98	WDI-LS-1(F)	1311/8080A
		WDI-LS-1(W)	1311/8080A
		WDI-LS-2(F)	1311/8080A
127	9/10/98	WDI-LS-2(F)	1311/8080A
		WDI-LS-2(W)	1311/8080A
		WDI-LS-3(F)	1311/8080A
128	9/10/98	WDI-LS-3(F)	1311/8080A
		WDI-LS-3(W)	1311/8080A
		WDI-LS-4(F)	1311/8080A
129	9/10/98	WDI-LS-4(F)	1311/8080A
		WDI-LS-4(W)	1311/8080A
		WDI-LS-5(F)	1311/8080A
		WDI-LS-5(W)	1311/8080A
130	9/10/98	WDI-LS-(W)	1311/8080A
131	9/10/98	WDI-LS-1(F)	1311/8270B
		WDI-LS-1(W)	1311/8270B
132	9/10/98	WDI-LS-2(F)	1311/8270B
		WDI-LS-2(W)	1311/8270B
133	9/10/98	WDI-LS-3(F)	1311/8270B
		WDI-LS-3(W)	1311/8270B
134	9/10/98	WDI-LS-4(F)	1311/8270B
		WDI-LS-4(W)	1311/8270B
135	9/10/98	WDI-LS-5(F)	1311/8270B
		WDI-LS-5(W)	1311/8270B
136	9/10/98	WDI-LS-1(F)	P809197-01
		WDI-LS-1(W)	P809197-02
		WDI-LS-2(F)	P809197-03
		WDI-LS-2(W)	P809197-04
		WDI-LS-3(F)	P809197-05
		WDI-LS-3(W)	P809197-06
		WDI-LS-4(F)	P809197-07
		WDI-LS-4(W)	P809197-08
		WDI-LS-5(F)	P809197-09
		WDI-LS-5(W)	P809197-10
137	9/10/98	BLANK	6000/7000
		LCS	6000/7000
		Matrix Spike	6000/7000

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Appendix File A

TIF File No.	Date Sampled	Well I.D. No.	EPA Analysis Method
138	9/10/98	Matrix Spike	6000/7000
		Matrix Spike	6000/7000
		BLANK	6000/7000
		LCS	6000/7000
		Matrix Spike	6000/7000
139	9/10/98	Matrix Spike	6000/7000
140	9/10/98	BLANK	6000/7000
		LCS	6000/7000
		Matrix Spike	6000/7000
141	9/10/98	Matrix Spike	6000/7000
		Matrix Spike	6000/7000
		BLANK	6000/7000
		LCS	6000/7000
		Matrix Spike	6000/7000
142	9/10/98	Matrix Spike	6000/7000
143	9/10/98	BLANK	1311/6000/7000
		LCS	1311/6000/7000
		Matrix Spike	1311/6000/7000
		Matrix Spike	1311/6000/7000
		BLANK	1311/6000/7000
144	9/10/98	LCS	1311/6000/7000
		Matrix Spike	1311/6000/7000
		Matrix Spike	1311/6000/7000
145	9/10/98	BLANK	8080A
		LCS	8080A
146	9/10/98	Matrix Spike	8080A
		Matrix Spike	8080A
147	9/10/98	BLANK	8270B
148	9/10/98	BLANK	8270B
		LCS	8270B
149	9/10/98	LCS	8270B
		Matrix Spike	8270B
		Matrix Spike	8270B
150	9/10/98	Matrix Spike	8270B
151	9/10/98	BLANK	1311/8080A
		LCS	1311/8080A
		Matrix Spike	1311/8080A
		Matrix Spike	1311/8080A
152	9/10/98	BLANK	1311/8270B
		LCS	1311/8270B
153	9/10/98	Matrix Spike	1311/8270B
		Matrix Spike	1311/8270B
154	9/10/98	Notes & Definitions	
155		DiLeach/STLC	8270

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Appendix File A

TIF File No.	Date Sampled	Well I.D. No.	EPA Analysis Method
156	9/30/998	STUN01	hpdftpp.m
		SSTD050	8270b.m
		STUN01	hpdftpp.m
		SSTD050	8270b.m
		STUN01	hpdftpp.m
		STUN01	taildegrade.m
		SSTD050	8270b.m
		SSTD001	8270b.m
		SSTD010	8270b.m
		SSTD020	8270b.m
		SSTD080	8270b.m
		SSTD120	8270b.m
		SSTD160	8270b.m
		SSTD200	8270b.m
		XSTD080	8270b.m
		XSTD050	8270b.m
		P809183-11	8270b.m
		P809183-13	8270b.m
		P809183-14	8270b.m
		P809183-16	8270b.m
		P809183-12	8270b.m
		P809183-15	8270b.m
		P809183-06	8270b.m
	10/1/98	P809183-09	8270b.m
157	9/30/98	ISTD	8270b.m
158	9/30/98	ISTD	8270b.m
159	9/30/98	ISTD	8270b.m
160	9/30/98	ISTD	8270b.m
161	9/30/98	ISTD	8270b.m
162	9/30/98	ISTD	8270b.m
163	9/30/98	ISTD	8270b.m
164	9/30/98	ISTD	8270b.m
165	9/30/98	ISTD	8270b.m
166	9/30/98	ISTD	8270b.m
167	9/30/98	ISTD	8270b.m
168	9/30/98	ISTD	8270b.m
169	9/30/98	ISTD	8270b.m
170	9/30/98	ISTD	8270b.m
171	9/30/98	ISTD	8270b.m
172	9/30/98	ISTD	8270b.m
173	9/30/98	ISTD	8270b.m
174	9/30/98	STUN01	
175	9/30/98	STUN01	
176	9/30/98	STUN01	
177	9/30/98	STUN01	
178	9/30/98	SSTD050	8270b.m
179	TM10CALIBRATION		
180	TM10CALIBRATION		
181	9/30/98	SSTD050	8270b.m
182	9/30/98	SSTD050	
183	9/30/98	SSTD010	8270b.m
184	TM10CALIBRATION		
185	TM10CALIBRATION		
186	9/30/98	SSTD010	8270b.m

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Appendix File A

TIF File No.	Date Sampled	Well I.D. No.	EPA Analysis Method
187	9/30/98	SSTD010	
188	9/30/98	SSTD020	8270b.m
189	TM10CALIBRATION		
190	TM10CALIBRATION		
191	9/30/98	SSTD020	8270b.m
192	9/30/98	SSTD020	
193	9/30/98	SSTD080	8270b.m
194	TM10CALIBRATION		
195	TM10CALIBRATION		
196	9/30/98	SSTD080	8270b.m
197	9/30/98	SSTD080	
198	9/30/98	SSTD120	8270b.m
199	TM10CALIBRATION		
200	TM10CALIBRATION		
201	9/30/98	SSTD120	8270b.m
202	9/30/98	SSTD120	
203	9/30/98	SSTD160	8270b.m
204	TM10CALIBRATION		
205	TM10CALIBRATION		
206	9/30/98	SSTD160	8270b.m
207	9/30/98	SSTD160	
208	9/30/98	SSTD200	8270b.m
209	TM10CALIBRATION		
210	TM10CALIBRATION		
211	9/30/98	SSTD200	8270b.m
212	9/30/98	SSTD200	
213	10/5/98	STUN01	hpdftpp.m
		STUN01	hpdftpp.m
		STUN01	taildegrade.m
		SSTD050	8270b.m
		P809183-20	8270b.m
		P809183-21	8270b.m
		P809183-22	8270b.m
		P809183-17	8270b.m
		8090426-BLK1	8270b.m
		8090426-BS1	8270b.m
		8090518-BLK1	8270b.m
		8090518-BS1	8270b.m
		8090518-MS1	8270b.m
		8090518-MSD1	8270b.m
		P809197-10	8270b.m
		P809197-01	8270b.m
		P809197-03	8270b.m
		P809197-04	8270b.m
		P809197-05	8270b.m
		P809197-06	8270b.m
		P809197-07	8270b.m
		P809197-08	8270b.m
	10/6/98	P809197-09	8270b.m
		P809197-02	8270b.m
		8090426	8270b.m
		8090426	8270b.m
		P809183-18	8270b.m
		P809183-19	8270b.m
		P809183-23	8270b.m
		P809183-24	8270b.m

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Appendix File A

TIF File No.	Date Sampled	Well I.D. No.	EPA Analysis Method
214	10/6/98	P809284-06	8270b.m
		MSS-247	8270b.m
215	10/5/98	STUN01	
216	10/5/98	STUN01	
217	10/5/98	STUN01	
218	10/5/98	1SVO229	
219	10/5/98	1SVO229	
220	10/5/98	1SVO229	
221	10/5/98	SSTD050	8270b.m
222	TM10CALIBRATION		
223	TM10CALIBRATION		
224	10/5/98	SSTD050	8270b.m
225	10/5/98	SSTD050	8270b.m
226	10/5/98	SSTD050	8270b.m
227	10/5/98	SSTD050	8270b.m
228	10/5/98	SSTD050	
229	10/5/98	8090518-BLK1	8270b.m
230	10/5/98	8090158-BLK1	8270b.m
231		8090518-BLK1	8270b.m
232	10/5/98	8090518-BLK1	
233	10/5/98	8090518-BS1	8270b.m
234	TM10CALIBRATION		
235	10/5/98	8090518-BS1	8270b.m
236		8090518-BS1	8270b.m
237	10/5/98	8090518-BS1	
238	10/5/98	8090518-MS1	8270b.m
239	TM10CALIBRATION		
240	10/5/98	8090518-MS1	8270b.m
241		8090518-MS1	8270b.m
242	10/5/98	8090518-MS1	
243	10/5/98	8090518-MSD1	8270b.m
244	TM10CALIBRATION		
245	10/5/98	8090518-MSD1	8270b.m
246		8090518-MSD1	8270b.m
247	10/5/98	8090518-MSD1	
248	10/5/98	P809197-10	8270b.m
249	TM10CALIBRATION		
250	10/5/98	P809197-10	8270b.m
251		P809197-10	8270b.m
252	10/5/98	P809197-10	
253	10/5/98	P809197-10	
254	10/5/98	P809197-10	
255	10/5/98	P809197-10	
256	10/5/98	P809197-10	
257	10/5/98	P809197-10	
258	10/5/98	P809197-10	
259	10/5/98	P809197-10	
260	10/5/98	P809197-01	8270b.m
261	TM10CALIBRATION		
262	10/5/98	P809197-01	8270b.m
263		P809197-01	8270b.m
264	10/5/98	P809197-01	
265	10/5/98	P809197-03	8270b.m
266	TM10CALIBRATION		

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Appendix File A

TIF File No.	Date Sampled	Well I.D. No.	EPA Analysis Method
267		P809197-03	8270b.m
268		P809197-03	8270b.m
269	10/5/98	P809197-03	
270	10/5/98	P809197-03	
271	10/5/98	P809197-03	
272	10/5/98	P809197-04	8270b.m
273	TM10CALIBRATION		
274	10/5/98	P809197-04	8270b.m
275		P809197-04	8270b.m
276	10/5/98	P809197-04	
277	10/5/98	P809197-04	
278	10/5/98	P809197-04	
279	10/5/98	P809197-04	
280	10/5/98	P809197-04	
281	10/5/98	P809197-05	8270b.m
282	10/5/98	P809197-05	8270b.m
283		P809197-05	8270b.m
284	10/5/98	P809197-05	
285	10/5/98	P809197-06	8270b.m
286	TM10CALIBRATION		
287	10/5/98	P809197-06	8270b.m
288		P809197-06	8270b.m
289	10/5/98	P809197-06	
290	10/5/98	P809197-06	
291	10/5/98	P809197-07	8270b.m
292	10/5/98	P809197-07	8270b.m
293		P809197-07	8270b.m
294	10/5/98	P809197-07	
295	10/5/98	P809197-08	8270b.m
296	TM10CALIBRATION		
297	10/5/98	P809197-08	8270b.m
298		P809197-08	8270b.m
299	10/5/98	P809197-08	
300	10/5/98	P809197-08	
301	10/5/98	P809197-08	
302	10/5/98	P809197-08	
303	10/5/98	P809197-08	
304	10/5/98	P809197-08	
305	10/5/98	P809197-08	
306	10/5/98	P809197-08	
307	10/5/98	P809197-08	
308	10/5/98	P809197-08	
309	10/5/98	P809197-08	
310	10/6/98	P809197-09	8270b.m
311	TM10CALIBRATION		
312	10/5/98	P809197-09	8270b.m
313		P809197-09	8270b.m
314	10/6/98	P809197-09	
315	10/6/98	P809197-09	
316	10/6/98	P809197-09	
317	10/6/98	P809197-09	
318	10/6/98	P809197-02	8270b.m
319	TM10CALIBRATION		
320	10/5/98	P809197-02	8270b.m

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Appendix File A

TIF File No.	Date Sampled	Well I.D. No.	EPA Analysis Method
321		P809197-02	8270b.m
322	10/6/98	P809197-02	
323	10/6/98	P809197-02	
324	10/6/98	P809197-02	
325	10/6/98	P809197-02	
326	10/6/98	P809197-02	
327	10/6/98	P809197-02	
328	10/6/98	P809197-02	
329	10/6/98	P809197-02	
330	10/6/98	P809197-02	
331		TLCP	8270
332	10/1/98	STUN01	hpdftpp.m
		STUN01	taildegrade.m
		SSTD050	8270b.m
		SSTD050	8270b.m
		8090402-BLK1	8270b.m
		8090402-BSI	8270b.m
		8090402-MSI	8270b.m
		8090402-MSDI	8270b.m
		P809197-08	8270b.m
		P809197-01	8270b.m
		P809197-02	8270b.m
		P809197-03	8270b.m
		P809197-04	8270b.m
		P809197-05	8270b.m
		P809197-07	8270b.m
		P809197-09	8270b.m
		P809197-10	8270b.m
		P809197-06	8270b.m
333	10/1/98	STUN01	
334	10/1/98	STUN01	
335	10/1/98	STUN01	
336	10/1/98	STUN01	
337	10/1/98	1SV0192	
338	10/1/98	1SV0192	
339	10/1/98	1SV0192	
340	10/1/98	SSTD050	8270b.m
341	10CALIBRATION		
342	10CALIBRATION		
343	10CALIBRATION		
344	10/1/98	SSTD050	8270b.m
345	10/1/98	SSTD050	8270b.m
346	10/1/98	SSTD050	8270b.m
347	10/1/98	SSTD050	8270b.m
348	10/1/98	SSTD050	
349	10/1/98	8090402-BLK1	8270b.m
350	10/1/98	8090402-BLK1	8270b.m
351		8090402-BLK1	8270b.m
352	10/1/98	8090402-BLK1	
353	10/1/98	8090402-BS1	8270b.m
354	TM10CALIBRATION		
355	10/1/98	8090402-BS1	8270b.m
356		8090402-BS1	8270b.m
357	10/1/98	8090402-BS1	

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Appendix File A

TIF File No.	Date Sampled	Well I.D. No.	EPA Analysis Method
358	10/1/98	8090402-MS1	8270b.m
359	TM10CALIBRATION		
360	10/1/98	8090402-MS1	8270b.m
361		8090402-MS1	8270b.m
362	10/1/98	8090402-MS1	
363	10/1/98	8090402-MSDI	8270b.m
364	TM10CALIBRATION		
365	10/1/98	8090402-MSDI	8270b.m
366		8090402-MSDI	8270b.m
367	10/1/98	8090402-MSDI	
368	10/1/98	P809197-08	8270b.m
369	TM10CALIBRATION		
370	10/1/98	P809197-08	8270b.m
371		P809197-08	8270b.m
372	10/1/98	P809197-08	
373	10/1/98	P809197-08	
374	10/1/98	P809197-08	
375	10/1/98	P809197-01	8270b.m
376	TM10CALIBRATION		
377	10/1/98	P809197-01	8270B.m
378		P809197-01	8270
379	10/1/98	P809197-01	
380	10/1/98	P809197-02	8270b.m
381	10/1/98	P809197-02	8270b.m
382		P809197-02	8270b.m
383	10/1/98	P809197-02	
384	10/1/98	P809197-03	8270b.m
385	10/1/98	P809197-03	8270b.m
386		P809197-03	8270b.m
387	10/1/98	P809197-03	
388	10/1/98	P809197-04	8270b.m
389	TM10CALIBRATION		
390	10/1/98	P809197-04	8270b.m
391		P809197-04	8270b.m
392	10/1//98	P809197-04	
393	10/1/98	P809197-05	8270b.m
394	10/1/98	P809197-05	8270b.m
395		P809197-05	8270b.m
396	10/1/98	P809197-05	
397	10/1/98	P809197-07	8270b.m
398	10/1/98	P809197-07	8270b.m
399		P809197-07	8270b.m
400	10/1/98	P809197-07	
401	10/1/98	P809197-09	8270b.m
402	10/1/98	P809197-09	8270b.m
403		P809197-09	8270b.m
404	10/1/98	P809197-09	
405	10/1/98	P809197-010	8270b.m
406	TM10CALIBRATION		
407	10/1/98	P809197-10	8270b.m
408		P809197-10	8270b.m
409	10/1/98	P809197-10	
410	10/1/98	P809197-06	8270b.m
411	10/1/98	P809197-06	8270b.m

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Appendix File A

TIF File No.	Date Sampled	Well I.D. No.	EPA Analysis Method
412		P809197-06	8270b.m
413	10/1/98	P809197-06	
414	DILEACH/STLC		8080
415	9/30/98	LCS	8080
		MS	8080
		MSD	8080
416	9/30/98	8090517-BLK1	3520/LEACHATES
		8090517-BSI	3520/LEACHATES
		8090517-BSDI	3520/LEACHATES
		8090517-MSI	3520/LEACHATES
		8090517-MSDI	3520/LEACHATES
		P809197-01	3520/LEACHATES
		P809197-02	3520/LEACHATES
		P809197-03	3520/LEACHATES
		P809197-04	3520/LEACHATES
		P809197-05	3520/LEACHATES
		P809197-06	3520/LEACHATES
		P809197-07	3520/LEACHATES
		P809197-08	3520/LEACHATES
		P809197-09	3520/LEACHATES
		P809197-10	3520/LEACHATES
417	10/2/98	P809197-01	8080A
		P809197-02	8080A
		P809197-03	8080A
		P809197-04	8080A
		P809197-05	8080A
		P809197-06	8080A
		P809197-07	8080A
		P809197-08	8080A
		P809197-09	8080A
		P809197-10	8080A
418	4/23/98	PEM01	8080f.m
		PIBLK	8080f.m
		PSTD2.00H	8080f.m
		PSTD2.00G	8080f.m
		PSTD2.00F	8080f.m
		PIBLK	8080f.m
		PSTD0.10F	8080f.m
		PSTD0.25F	8080f.m
		PSTD0.50F	8080f.m
		PSTD1.00F	8080f.m
		PSTD3.00F	8080f.m
		PSTD4.00F	8080f.m
		PSTD2.00F	8080f.m
		PSTD2.00F	8080f.m
		PSTD0.10H	8080f.m
		PSTD0.25H	8080f.m
		PSTD0.50H	8080f.m
		PSTD1.00H	8080f.m
		PSDT3.00H	8080f.m
		PSTD4.00H	8080f.m
		PSTD2.00H	8080f.m
		PSTD0.10G	8080f.m
		PSTD0.25G	8080f.m
		PSTD0.50G	8080f.m
		PSTD1.00G	8080f.m
		PSTD3.00G	8080f.m
		PSTD4.00G	8080f.m
		PSTD2.00G	8080f.m
		PSDT2.00G	8080f.m
		PSTD0.001	8080f.m

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Appendix File A

TIF File No.	Date Sampled	Well I.D. No.	EPA Analysis Method
419	4/23/98	PSTD0.002	8080r.m
		PSTD0.005	8080r.m
		PSTD0.010	8080r.m
		PSTD0.025	8080r.m
		PSTD0.050	8080r.m
		PSTD0.100	8080r.m
		PSTD0.200	8080r.m
		PIBLK	8080r.m
		PSTD0.50	8080r.m
		701325946	8080r.m
		701325953	8080r.m
		701325961	8080r.m
		701324626	8080r.m
	4/24/98	PIBLK	8080r.m
		PSTD0.050	8080r.m
	4/23/98	PIBLK	8080r.m
		PIBLK	8080r.m
		PEM01	8080r.m
		PIBLK	8080r.m
		PSTD2.00H	8080r.m
		PSTD2.00G	8080r.m
		PSTD2.00F	8080r.m
		PIBLK	8080r.m
		PSTD0.10F	8080r.m
		PSTD0.25F	8080r.m
		PSTD0.50F	8080r.m
		PSTD1.00F	8080r.m
		PSTD3.00F	8080r.m
		PSTD4.00F	8080r.m
420	4/23/98	PSTD2.00F	8080r.m
		PSTD2.00F	8080r.m
		PSTD0.10H	8080r.m
		PSTD0.25H	8080r.m
		PSTD0.50H	8080r.m
		PSTD1.00H	8080r.m
		PSTD3.00H	8080r.m
		PSTD4.00H	8080r.m
		PSTD2.00H	8080r.m
		PSTD0.10G	8080r.m
		PSTD0.25G	8080r.m
		PSTD0.50G	8080r.m
		PSTD1.00G	8080r.m
		PSTD3.00G	8080r.m
		PSTD4.00G	8080r.m
		PSTD2.00G	80880R
		PIBLK	8080r.m
		PSTD0.001	8080r.m
		PSTD0.002	8080r.m
		PSTD0.005	8080r.m
		PSTD0.010	8080r.m
		PSTD0.025	8080r.m
		PSTD0.050	8080r.m
		PSTD0.100	8080r.m
		PSTD0.200	8080r.m
		PIBLK	8080r.m
		PSTD0.050	8080r.m
		701325946	8080r.m
		701325953	8080r.m

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Appendix File A

TIF File No.	Date Sampled	Well I.D. No.	EPA Analysis Method
421	4/23/98	701325961	8080r.m
	4/24/98	701324626	8080r.m
		PIBLK	8080r.m
		PSTD0.050	8080r.m
422	4/23/98	ESTD	8080f.m
423	4/23/98	PSTD0.10H	8080f.m
424	4/23/97	PSTD0.10H	
425	4/23/98	PSTD0.25H	8080f.m
426	TM10CALIBRATION		
427	4/23/98	PSTD0.25H	
428	4/23/98	PSTD0.50H	8080f.m
429	TM10CALIBRATION		
430	4/23/98	PSTD0.50H	
431	4/23/98	PSTD1.00H	8080f.m
432	TM10CALIBRATION		
433	4/23/98	PSTD1.00H	
434	4/23/98	PSTD3.00H	8080f.m
435	TM10CALIBRATION		
436	4/23/98	PSTD3.00H	
437	4/23/98	PSTD4.00H	8080f.m
438	TM10CALIBRATION		
439	4/23/98	PSTD4.00H	
440	4/23/98	ESTD	8080f.m
441	4/23/98	ESTD	8080f.m
442	4/23/98	PSTD0.10G	8080f.m
443	TM10CALIBRATION		
444	4/23/98	PSTD0.10G	
445	4/23/98	PSTD0.25G	8080f.m
446	TM10CALIBRATION		
447	4/23/98	PSTD0.25G	
448	4/23/98	PSTD0.50G	8080f.m
449	TM10CALIBRATION		
450	4/23/98	PSTD0.50G	
451	4/23/98	PSTD1.00G	8080f.m
452	TM10CALIBRATION		
453	4/23/98	PSTD1.00G	
454	4/23/98	PSTD300G	8080f.m
455	TM10CALIBRATION		
456	4/23/98	PSTD3.00G	
457	4/23/98	PSTD4.00G	8080f.m
458	TM10CALIBRATION		
459	4/23/98	PSTD4.00G	

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Appendix File A

TIF File No.	Date Sampled	Well I.D. No.	EPA Analysis Method
460		PIBLK	8080f.m
		PIBLK	8080f.m
		PIBLK	8080f.m
		PEM01	8080f.m
		PIBLK	8080f.m
		PSTD0.050	8080f.m
		PSTD0.050	8080f.m
		PIBLK	8080f.m
		PSTD0.10F	8080f.m
		PSTD0.25F	8080f.m
		PSTD0.50F	8080f.m
		PSTD1.00F	8080f.m
		PSTD2.00F	8080f.m
		PSTD3.00F	8080f.m
		PSTD4.00F	8080f.m
		PSTD2.00F	8080f.m
		PIBLK	8080f.m
		PSTD2.00G	8080f.m
		PSTD2.00H	8080f.m
		PIBLK	8080f.m
		806051-01	8080f.m
		806051-01	8080f.m
		806051-02	8080f.m
		806051-03	8080f.m
		806051-03	8080f.m
		806051-04	8080f.m
		806051-05	8080f.m
		PIBLK	8080f.m
		PIBLK	8080f.m
		PIBLK	8080f.m
461		PIBLK	8080f.m
		8060016-BS1	8080f.m
		8060016-MS1	8080f.m
		8060016-MSD1	8080f.m
		PIBLK	8080f.m
		PSTD0.050	8080f.m
		PSTD0.050	8080f.m
		PSTD2.00F	8080f.m
		PSTD2.00G	8080f.m
		PSTD2.00H	8080f.m
		PIBLK	8080f.m
		8060016-BLK1	8080f.m
	6/26/98	P806051-01	8080f.m
		P806051-02	8080f.m
		P806051-03	8080f.m
		P806051-04	8080f.m
		P806051-05	8080f.m
		PIBLK	8080f.m
		PIBLK	8080f.m
		PSTD0.050	8080f.m
		PSTD0.050	8080f.m
		PSTD2.00F	8080f.m
		PSTD2.00G	8080f.m
		PSTD2.00H	8080f.m
		PST0.05	8080f.m
		PST0.10	8080f.m
		PST0.25	8080f.m
	6/27/98	PST0.50	8080f.m
		PST1.00	8080f.m

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Appendix File A

TIF File No.	Date Sampled	Well I.D. No.	EPA Analysis Method
462	6/27/98	PST2.00	8080f.m
		2nd SOURCE	8080f.m
		PIBLK	8080f.m
		701368060	8080f.m
		701368078	8080f.m
		701368086	8080f.m
		PIBLK	8080f.m
		701364960	8080f.m
		701364978	8080f.m
		701364986	8080f.m
		PIBLK	8080f.m
		PST1.00	8080f.m
		PSTD0.050	8080f.m
		PSTD0.050	8080f.m
		PSTD2.00F	8080f.m
		PSTD2.00G	8080f.m
		PSTD2.00H	8080f.m
		PIBLK	8080f.m
		PIBLK	8080f.m
		PIBLK	8080f.m
	6/25/98	PIBLK	8080f.m
		PIBLK	8080f.m
		PEM01	8080f.m
		PIBLK	8080f.m
		PSTD0.050	8080f.m
		PSTD0.050	8080f.m
		PIBLK	8080f.m
		PSTD0.10F	8080f.m
		PSTD0.25F	8080f.m
463	6/25/98	PSTD0.50F	8080r.m
		PSTD1.00F	8080r.m
		PSTD2.00F	8080r.m
		PSTD3.00F	8080r.m
		PSTD4.00F	8080r.m
		PSTD2.00F	8080r.m
		PIBLK	8080r.m
		PSTD2.00G	8080r.m
		PSTD2.00H	8080r.m
		PIBLK	8080r.m
		806051-01	8080r.m
		806051-01	8080r.m
		806051-02	8080r.m
		806051-03	8080r.m
		806051-03	8080r.m
		806051-04	8080r.m
		806051-05	8080r.m
		PIBLK	8080r.m
		PIBLK	8080r.m
		PIBLK	8080r.m
		PIBLK	8080r.m
		8060016-BSI	8080r.m
		8060016-MSI	8080r.m
		8060016-MSDI	8080r.m
		PIBLK	8080r.m
		PSTD0.050	8080r.m
		PSTD0.050	8080r.m
		PSTD2.00F	8080r.m
		PSTD2.00G	8080r.m

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Appendix File A

TIF File No.	Date Sampled	Well I.D. No.	EPA Analysis Method
464	6/26/98	PSTD2.00H	8080r.m
		PIBLK	8080r.m
		8060016-BLK1	8080r.m
		P806051-01	8080r.m
		P806051-02	8080r.m
		P806051-03	8080r.m
		P806051-04	8080r.m
		P806051-05	8080r.m
		PIBLK	8080r.m
		PIBLK	8080r.m
		PSTD0.050	8080r.m
		PSTD0.050	8080r.m
		PSTD2.00F	8080r.m
		PSTD2.00G	8080r.m
		PSTD2.00H	8080r.m
		PST0.05	8080r.m
		PST0.10	8080r.m
		PST0.25	8080r.m
		PST0.50	8080r.m
		PST1.00	8080r.m
		PST2.00	8080r.m
		2nd SOURCE	8080r.m
		PIBLK	8080r.m
		701368060	8080r.m
		701368078	8080r.m
		701368086	8080r.m
		PIBLK	8080r.m
		701364960	8080r.m
		701364978	8080r.m
465	6/27/98	701364986	8080r.m
		PIBLK	8080r.m
		PST1.00	8080r.m
		PSTD0.050	8080r.m
		PSTD0.050	8080r.m
		PSTD2.00F	8080r.m
		PSTD2.00G	8080r.m
		PSTD2.00H	8080r.m
		PIBLK	8080r.m
		PIBLK	8080r.m
		PIBLK	8080r.m
		PIBLK	8080r.m
466	TM10CALIBRATION		
467	TM10CALIBRATION		
468	10/6/98	ESTD	8080f.m
469	10/6/98	ESTD	8080f.m
470	10/6/98	ESTD	8080f.m
471	6/25/98	PSTD0.10F	8080f.m
472	TM10CALIBRATION		
473	6/25/98	PSTD0.10F	
474	6/25/98	PSTD0.25F	8080f.m
475	TM10CALIBRATION		
476	6/25/98	PSTD0.25F	
477	6/25/98	PSTD0.50F	8080f.m
478	TM10CALIBRATION		

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Appendix File A

TIF File No.	Date Sampled	Well I.D. No.	EPA Analysis Method
479	6/25/98	PSTD0.50F	
480	6/25/98	PSTD1.00F	8080f.m
481	TM10CALIBRATION		
482	6/25/98	PSTD1.00F	
483	6/25/98	PSTD2.00F	8080f.m
484	TM10CALIBRATION		
485	6/26/98	PSTD2.00F	
486	6/26/98	PSTD3.00F	8080f.m
487	TM10CALIBRATION		
488	6/26/98	PSTD3.00F	
489	6/26/98	PSTD4.00F	8080f.m
490	TM10CALIBRATION		
491	6/26/98	PSTD4.00F	
492	10/5/98	PIBLK	8080f.m
		PIBLK	8080f.m
		PEM01	8080f.m
		PIBLK	8080f.m
		PIBLK	8080f.m
		STD0.002	8080f.m
		STD0.005	8080f.m
		STD0.010	8080f.m
		STD0.025	8080f.m
		STD0.050	8080f.m
		STD0.10	8080f.m
		STD0.20	8080f.m
		STD0.05	8080f.m
		PSTD0.001	8080f.m
		PSTD0.002	8080f.m
		PSTD0.005	8080f.m
		PSTD0.010	8080f.m
		PSTD0.025	8080f.m
		PSTD0.050	8080f.m
		PSTD0.050	8080f.m
		PSTD0.100	8080f.m
		PSTD0.200	8080f.m
		PIBLK	8080f.m
		STD0.050	8080f.m
		PSTD2.00G	8080f.m
		PSTD2.00H	8080f.m
		PSTD2.00F	8080f.m
		PIBLK	8080f.m
		8090517-BLK1	8080f.m
	10/6/98	8090517-LCS1	8080f.m
		8090517MSI	8080r.m
		8090517-MSDI	8080r.m
		PIBLK	8080r.m
		PSTD0.050	8080r.m
		PSTD0.050	8080r.m
		P809197-01	8080r.m
		P809197-03	8080r.m
		P809197-04	8080r.m
		P809197-10	8080r.m
		P809197-05	8080r.m
		P809197-06	8080r.m

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Appendix File A

TIF File No.	Date Sampled	Well I.D. No.	EPA Analysis Method
493	10/6/98	P809197-07	8080r.m
		P809197-09	8080r.m
		P809197-08	8080r.m
		P809197-02	8080r.m
		PIBLK	8080r.m
		PIBLK	8080r.m
		PIBLK	8080r.m
		PSTD0.050	8080r.m
		PSTD2.00G	8080r.m
		PSTD2.00H	8080r.m
		PSTD2.00F	pcbf.m
		PIBLK	8080r.m
	10/5/98	PIBLK	8080r.m
		PIBLK	8080r.m
		PIBLK	8080r.m
		PEM01	8080r.m
		PIBLK	8080r.m
		PIBLK	8080r.m
494	10/5/98	STD0.002	8080r.m
		STD0.005	8080r.m
		STD0.010	8080r.m
		STD0.025	8080r.m
		STD0.050	8080r.m
		STD0.10	8080r.m
		STD0.20	8080r.m
		STD0.05	8080r.m
		PSTD0.001	8080r.m
		PSTD0.002	8080r.m
		PSTD0.005	8080r.m
		PSTD0.010	8080r.m
		PSTD0.025	8080r.m
		PSTD0.050	8080r.m
		PSTD0.100	8080r.m
		PSTD0.200	8080r.m
		PIBLK	8080r.m
		STD0.050	8080r.m
		PSTD2.00G	8080r.m
		PSTD2.00H	8080r.m
		PSTD2.00F	8080r.m
		PIBLK	8080r.m
	10/6/98	8090517-BLK1	8080r.m
		8090517-LCS1	8080r.m
		8090517-MS1	8080r.m
		8090517-MSD1	8080r.m
		PIBLK	8080r.m
		PSTD0.050	8080r.m
		PSTD0.050	8080r.m

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Appendix File A

TIF File No.	Date Sampled	Well I.D. No.	EPA Analysis Method
		P809197-01	8080r.m
		P809197-03	8080r.m
		P809197-04	8080r.m
		P809197-10	8080r.m
		P809197-05	8080r.m
		P809197-06	8080r.m
		P809197-07	8080r.m
		P809197-09	8080r.m
495	10/6/98	P809197-08	8080r.m
		P809197-02	8080r.m
		PIBLK	8080r.m
		PIBLK	8080r.m
		PIBLK	8080r.m
		PSTD0.050	8080r.m
		PSTD2.00G	8080r.m
		PSTD2.00H	8080r.m
		PSTD2.00F	8080r.m
496	TM10CALIBRATION		
497	TM10CALIBRATION		
498	10/5/98	PEM01	8080f.m
499	10/5/98	PEM01	8080f.m
500	10/5/98	PEM01	
501	TM10CALIBRATION		
502	TM10CALIBRATION		
503	10/5/98	PEM01	8080r.m
504	10/5/98	PEM01	
505	TM10CALIBRATION		
506	TM10CALIBRATION		
507	10/5/98	ESTD	8080f.m
508	10/5/98	ESTD	8080f.m
509	10/5/98	ESTD	8080f.m
510	10/5/98	ESTD	8080f.m
511	10/5/98	ESTD	8080f.m
512	10/5/98	ESTD	8080f.m
513	10/5/98	PSTD0.001	8080f.m
514	10/5/98	PSTD0.001	
515	10/5/98	PSTD0.002	8080f.m
516	10/5/98	PSTD0.002	
517	10/5/98	PSTD0.005	8080f.m
518	10/5/98	PSTD0.005	
519	10/5/98	PSTD0.010	8080f.m
520	10/5/98	PSTD0.010	
521	10/5/98	PSTD0.025	8080f.m
522	10/5/98	PSTD0.025	
523	10/5/98	PSTD0.050	8080f.m
524	10/5/98	PSTD0.050	
525	10/5/98	PSTD0.100	8080f.m
526	10/5/98	PSTD0.100	
527	10/5/98	PSTD0.200	8080f.m
528	10/5/98	PSTD0.200	
529	TM10CALIBRATION		
530	TM10CALIBRATION		
531	10/5/98	ESTD	8080r.m
532	10/5/98	ESTD	8080r.m

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Appendix File A

TIF File No.	Date Sampled	Well I.D. No.	EPA Analysis Method
533	10/5/98	ESTD	8080r.m
534	10/5/98	ESTD	8080r.m
535	10/5/98	ESTD	8080r.m
536	10/5/98	ESTD	8080r.m
537	10/5/98	PSTD0.001	8080r.m
538	TM10CALIBRATION		
539	10/5/98	PSTD0.001	
540	10/5/98	PSTD0.002	8080r.m
541	10/5/98	PSTD0.002	
542	10/5/98	PSTD0.005	8080r.m
543	10/5/98	PSTD0.005	
544	10/5/98	PSTD0.010	8080r.m
545	10/5/98	PSTD0.010	
546	10/5/98	PSTD0.025	8080r.m
547	10/5/98	PSTD0.025	
548	10/5/98	PSTD0.050	8080r.m
549	10/5/98	PSTD0.050	
550	10/5/98	PSTD0.100	8080r.m
551	10/5/98	PSTD0.100	
552	10/5/98	PSTD0.200	8080r.m
553	TM10CALIBRATION		
554	10/5/98	PSTD0.200	
555	10/5/98	STD0.050	8080f.m
556	TM10CALIBRATION		
557	10/5/98	STD0.050	
558	10/5/98	STD0.050	8080r.m
559	TM10CALIBRATION		
560	10/5/98	STD0.050	
561	10/5/98	STD2.00G	8080f.m
562	10/5/98	PSTD2.00G	
563	10/5/98	PSTD2.00H	8080f.m
564	10/5/98	PSTD2.00H	
565	10/5/98	PSTD2.00F	pcbf.m
566	TM10CALIBRATION		
567	10/5/98	PSTD2.00F	
568	10/5/98	8090517-BLK1	8080f.m
569		8090517-BLK1	8080f.m
570	10/5/98	8090517-BLK1	
571	10/6/98	8090517-BLK1	8080r.m
572		8090517-BLK1	8080r.m
573	10/6/98	8090517-BLK1	
574		8090517-LCS1	8080f.m
575	10/6/98	8090517-LCS1	8080f.m
576	10/6/98	8090517-LCS1	
577		8090517-LCS1	8080r.m
578	10/6/98	8090517-LCS1	8080r.m
579	10/6/98	8090517-LCS1	
580		8090517-MS1	8080r.m
581	10/6/98	8090517-MS1	8080r.m
582	10/6/98	8090517-MS1	
583		8090517-MS1	8080f.m
584	10/6/98	8090517-MS1	8080f.m
585	10/6/98	8090517-MS1	
586		8090517-MSD1	8080r.m

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Appendix File A

TIF File No.	Date Sampled	Well I.D. No.	EPA Analysis Method
587	10/6/98	8090517-MSD1	8080r.m
588	10/6/98	8090517-MSD1	
589		8090517-MSD1	8080f.m
590	10/6/98	8090517-MSD1	
591	10/6/98	8090517-MSD1	
592	10/6/98	ECDF0034	8080
593	10/6/98	ECDF0034	8080
594	10/6/98	PSTD0.050	8080f.m
595	TM10CALIBRATION		
596	10/6/98	PSTD0.050	
597	10/6/98	PSTD0.050	8080r.m
598	10/6/98	PSTD0.050	
599	10/6/98	P809197-01	8080f.m
600		P809197-01	8080f.m
601	10/6/98	P809197-01	
602	10/6/98	P809197-01	8080r.m
603		P809197-01	8080r.m
604	10/6/98	P809197-01	
605	10/6/98	P809197-03	8080f.m
606		P809197-03	8080f.m
607	10/6/98	P809197-03	
608	10/6/98	P809197-03	8080r.m
609		P809197-03	8080r.m
610	10/6/98	P809197-03	
611	10/6/98	P809197-04	8080f.m
612		P809197-04	8080f.m
613	10/6/98	P809197-04	
614	TM10CALIBRATION		
615	TM10CALIBRATION		
616	10/6/98	P809197-04	8080r.m
617		P809197-04	8080r.m
618	10/6/98	P809197-04	
619	TM10CALIBRATION		
620	TM10CALIBRATION		
621	10/6/98	P809197-10	8080f.m
622	TM10CALIBRATION		
623		P809197-10	8080f.m
624	10/6/98	P809197-10	
625	TM10CALIBRATION		
626	TM10CALIBRATION		
627	10/6/98	P809197-10	8080r.m
628		P809197-10	8080r.m
629	10/6/98	P809197-10	
630	10/6/98	P809197-05	8080f.m
631		P809197-05	8080f.m
632	10/6/98	P809197-05	
633	10/6/98	P809197-05	8080r.m
634		P809197-05	8080r.m
635	10/6/98	P809197-05	
636	TM10CALIBRATION		
637	TM10CALIBRATION		
638	10/6/98	P809197-06	8080f.m
639	TM10CALIBRATION		
640		P809197-06	8080f.m

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Appendix File A

TIF File No.	Date Sampled	Well I.D. No.	EPA Analysis Method
641	10/6/98	P809197-06	
642	TM10CALIBRATION		
643	TM10CALIBRATION		
644	10/6/98	P809197-06	8080r.m
645		P809197-06	8080r.m
646	10/6/98	P809197-06	
647	10/6/98	P809197-07	8080f.m
648		P809197-07	8080f.m
649	10/6/98	P809197-07	
650	TM10CALIBRATION		
651	TM10CALIBRATION		
652	10/6/98	P809197-07	8080r.m
653		P809197-07	8080r.m
654	10/6/98	P809197-07	
655	TM10CALIBRATION		
656	TM10CALIBRATION		
657	10/6/98	P809197-09	8080f.m
658		P809197-09	8080f.m
659	10/6/98	P809197-09	
660	TM10CALIBRATION		
661	TM10CALIBRATION		
662	10/6/98	P809197-09	8080r.m
663		P809197-09	8080r.m
664	10/6/98	P809197-09	
665	10/6/98	P809197-08	8080f.m
666		P809197-08	8080f.m
667	10/6/98	P809197-08	
668	10/6/98	P809197-08	8080r.m
669		P809197-08	8080r.m
670	10/6/98	P809197-08	
671	10/6/98	P809197-02	8080r.m
672		P809197-02	8080r.m
673	10/6/98	P809197-02	
674	TM10CALIBRATION		
675	TM10CALIBRATION		
676	10/6/98	P809197-02	8080f.m
677	TM10CALIBRATION		
678		P809197-02	8080f.m
679	10/6/98	P809197-02	
680	TM10CALIBRATION		
681	TM10CALIBRATION		
682	10/6/98	ECDF0049	8080
683	10/6/98	ECDF0049	8080
684	10/6/98	PSTD0.050	8080f.m
685	TM10CALIBRATION		
686	10/6/98	PSTD0.050	
687	10/6/98	PSTD0.050	8080r.m
688	TM10CALIBRATION		
689	10/6/98	PSTD0.050	
690	10/6/98	PSTD2.00G	8080f.m
691	10/6/98	PSTD2.00G	
692	10/6/98	PSTD2.00H	8080f.m
693	10/6/98	PSTD2.00H	
694	10/6/98	PSTD2.00F	pcbf.m

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Appendix File A

TIF File No.	Date Sampled	Well I.D. No.	EPA Analysis Method
695	TCLP		
696	10/6/98	PSTD2.00F	
697	TCLP		8080
698	4/23/98	PEM01	8080f.m
		PIBLK	8080f.m
		PSTD2.00H	8080f.m
		PSTD2.00G	8080f.m
		PSTD2.00F	8080f.m
		PIBLK	8080f.m
		PSTD0.10F	8080f.m
		PSTD0.25F	8080f.m
		PSTD0.50F	8080f.m
		PSTD1.00F	8080f.m
		PSTD3.00F	8080f.m
		PSTD4.00F	8080f.m
		PSTD2.00F	8080f.m
		PSTD2.00F	8080f.m
		PSTD0.10H	8080f.m
		PSTD0.25H	8080f.m
		PSTD0.50H	8080f.m
		PSTD1.00H	8080f.m
		PSTD3.00H	8080f.m
		PSTD4.00H	8080f.m
		PSTD2.00H	8080f.m
		PSTD0.10G	8080f.m
		PSTD0.25G	8080f.m
		PSTD0.50G	8080f.m
		PSTD0.00G	8080f.m
		PSTD3.00G	8080f.m
		PSTD4.00G	8080f.m
		PSTD2.00G	8080f.m
		PIBLK	8080f.m
		PSTD0.001	8080f.m
	4/23/98	PSTD0.002	8080f.m
		PSTD0.005	8080f.m
		PSTD0.010	8080f.m
		PSTD0.025	8080f.m
		PSTD0.050	8080f.m
		PSTD0.100	8080f.m
		PSTD0.200	8080f.m
		PIBLK	8080f.m
		PSTD0.050	8080f.m
		701325946	8080f.m
		701325953	8080f.m
		701325961	8080f.m
		701324626	8080f.m
699	4/24/98	PIBLK	8080f.m
		PSTD0.050	8080f.m
		PIBLK	8080r.m

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TIF File No.	Date Sampled	Well I.D. No.	EPA Analysis Method
		PIBLK	8080r.m
		PEM01	8080r.m
		PIBLK	8080r.m
		PSTD2.00H	8080r.m
		PSTD2.00G	8080r.m
		PSTD2.00F	8080r.m
	4/23/98	PIBLK	8080r.m
		PSTD0.10F	8080r.m
		PSTD0.25F	8080r.m
		PSTD0.50F	8080r.m
		PSTD1.00F	8080r.m
		PSTD3.00F	8080r.m
		PSTD4.00F	8080r.m
		PSTD2.00F	8080r.m
		PSTD2.00F	8080r.m
		PSTD0.10H	8080r.m
		PSTD0.25H	8080r.m
		PSTD0.50H	8080r.m
		PSTD1.00H	8080r.m
		PSTD3.00H	8080r.m
		PSTD4.00H	8080r.m
		PSTD2.00H	8080r.m
		PSTD0.10G	8080r.m
		PSTD0.25G	8080r.m
		PSTD0.50G	8080r.m
		PSTD1.00G	8080r.m
		PSTD3.00G	8080r.m
700	4/23/98	PSTD4.00G	8080r.m
		PSTD2.00G	8080r.m
		PIBLK	8080r.m
		PSTD0.001	8080r.m
		PSTD0.002	8080r.m
		PSTD0.005	8080r.m
		PSTD0.010	8080r.m
		PSTD0.025	8080r.m
		PSTD0.050	8080r.m
		PSTD0.100	8080r.m
		PSTD0.200	8080r.m
		PIBLK	8080r.m
		PSTD0.050	8080r.m
		701325946	8080r.m
		701325953	8080r.m
	4/23/98	701325961	8080r.m
701		701324646	8080r.m
	4/24/98	PIBLK	8080r.m
		PSTD0.050	8080r.m
702	TM10CALIBRATION		
703	TM10CALIBRATION		
704	4/23/98	ESTD	8080f.m
705	4/23/98	PSTD0.10H	8080f.m
706	4/23/98	PSTD0.10H	
707	4/23/98	PSTD0.25H	8080f.m
708	TM10CALIBRATION		
709	4/23/98	PSTD0.25H	

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TIF File No.	Date Sampled	Well I.D. No.	EPA Analysis Method
710	4/23/98	PST0.50H	8080f.m
711	TM10CALIBRATION		
712	4/23/98	PSTD0.50H	
713	4/23/98	PSTD1.00H	8080f.m
714	TM10CALIBRATION		
715	4/23/98	PSTD1.00H	
716	4/23/98	PSTD3.00H	8080f.m
717	TM10CALIBRATION		
718	4/23/98	PSTD3.00H	
719	4/23/98	PSTD4.00H	8080f.m
720	TM10CALIBRATION		
721	4/23/98	PSTD4.00H	
722	4/23/98	PSTD2.00H	8080f.m
723	TM10CALIBRATION		
724	4/23/98	PSTD2.00H	
725	4/23/98	PSTD0.10G	8080f.m
726	TM10CALIBRATION		
727	4/23/98	PSTD0.10G	
728	4/23/98	PSTD0.25G	8080f.m
729	TM10CALIBRATION		
730	4/23/98	PSTD0.25G	
731	4/23/98	ESTD	8080f.m
732	4/23/98	ESTD	8080f.m
733	4/23/98	PSTD0.50G	8080f.m
734	TM10CALIBRATION		
735	4/23/98	PSTD0.50G	
736	4/23/98	PSTD1.00G	8080f.m
737	TM10CALIBRATION		
738	4/23/98	PSTD1.00G	
739	4/23/98	PSTD3.00G	8080f.m
740	TM10CALIBRATION		
741	4/23/98	PSTD3.00G	
742	4/23/98	PSTD4.00G	8080f.m
743	TM10CALIBRATION		
744	4/23/98	PSTD4.00G	
745	4/23/98	PSTD2.00G	8080f.m
746	TM10CALIBRATION		
747	4/23/98	PSTD2.00G	
		PIBLK	8080f.m
		PEM01	8080f.m
		PIBLK	8080f.m
		PSTD1.00G	8080f.m
		PSTD2.00H	8080f.m
		PSTD0.050	8080f.m
		PIBLK	8080f.m
		PSTD0.001	8080f.m
		PSTD0.002	8080f.m
		PSTD0.005	8080f.m
	9/25/98	PSTD0.010	8080f.m
		PSTD0.025	8080f.m
		PSTD0.100	8080f.m
		PSTD0.200	8080f.m
		PIBLK	8080f.m
748		PSTD0.050	8080f.m

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Appendix File A

TIF File No.	Date Sampled	Well I.D. No.	EPA Analysis Method
		8090401-BLK1	8080f.m
		8090401-BLK1	8080f.m
		P809197-01	8080f.m
		P809197-01MS	8080f.m
		P809197-01MS	8080f.m
		P809197-02	8080f.m
		P809197-03	8080f.m
		P809197-04	8080f.m
		P809197-05	8080f.m
	6/26/98	P809197-06	8080f.m
		PIBLK	8080f.m
		PSTD0.050	8080f.m
		P809197-07	8080f.m
		P809197-08	8080f.m
		P809197-09	8080f.m
		P809197-10	8080f.m
		PIBLK	8080f.m
	9/26/98	PSTD0.050	8080f.m
		PIBLK	8080f.m
		PIBLK	8080r.m
		PIBLK	8080r.m
		PIBLK	8080r.m
		PEM01	8080r.m
		PIBLK	8080r.m
		PSTD1.00G	8080r.m
		PSTD2.00H	8080r.m
		PSTD0.050	8080r.m
		PIBLK	8080r.m
749		PSTD0.001	8080r.m
		PSTD0.002	8080r.m
	9/25/98	PSTD0.005	8080r.m
		PSTD0.010	8080r.m
		PSTD0.025	8080r.m
		PSTD0.100	8080r.m
		PSTD0.200	8080r.m
		PIBLK	8080r.m
		PSTD0.050	8080r.m
		8090401-BLK1	8080r.m
		8090401-BLK1	8080r.m
		P809197-01	8080r.m
		P809197-01MS	8080r.m
	6/26/98	P809197-01MS	8080r.m
		P809197-02	8080r.m
		P809197-03	8080r.m
		P809197-04	8080r.m
		P809197-05	8080r.m
		P809197-06	8080r.m
		PIBLK	8080r.m
		PSTD0.050	8080r.m
750	9/26/98	P809197-07	8080r.m
		P809197-08	8080r.m
		P809197-09	8080r.m
		P809197-10	8080r.m
		PIBLK	8080r.m
		PSTD0.050	8080r.m
		PIBLK	8080r.m

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Appendix File A

TIF File No.	Date Sampled	Well I.D. No.	EPA Analysis Method
751	9/25/98	BLANK	8080
		70LCS	8080
		70MS	8080
		70MSD	8080
		709197-01	8080
		709197-02	8080
		709197-03	8080
		709197-04	8080
		709197-05	8080
		709197-06	8080
		709197-07	8080
		709197-08	8080
		709197-09	8080
		709197-10	8080
752	9/23/98	8090401-BLK1	3520B/LEACHATES
		8090401-BS1	3520B/LEACHATES
		8090401-MS1	3520B/LEACHATES
		8090401-MSD1	3520B/LEACHATES
		P809197-01	3520B/LEACHATES
		P809197-02	3520B/LEACHATES
		P809197-03	3520B/LEACHATES
		P809197-04	3520B/LEACHATES
		P809197-05	3520B/LEACHATES
		P809197-06	3520B/LEACHATES
		P809197-07	3520B/LEACHATES
		P809197-08	3520B/LEACHATES
		P809197-09	3520B/LEACHATES
		P809197-10	3520B/LEACHATES
753	9/17/98	P809197-01	8080A
		P809197-02	8080A
		P809197-03	8080A
		P809197-04	8080A
		P809197-05	8080A
		P809197-06	8080A
		P809197-07	8080A
		P809197-08	8080A
		P809197-09	8080A
		P809197-10	8080A
754	TM10CALIBRATION		
755	TM10CALIBRATION		
756	9/25/98	PEM01	8080f.m
757	9/25/98	PEM01	
758	9/25/98	PSTD2.00H	8080f.m
759	TM10CALIBRATION		
760	9/25/98	PSTD2.00H	
761	9/25/98	PSTD1.00G	8080f.m
762	9/25/98	PSTD1.00G	
763	TM10CALIBRATION		
764	TM10CALIBRATION		
765	4/23/98	ESTD	8080f.m
766	4/23/98	ESTD	8080f.m
767	4/23/98	ESTD	8080f.m
768	4/23/98	ESTD	8080f.m
769	4/23/98	ESTD	8080f.m

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TIF File No.	Date Sampled	Well I.D. No.	EPA Analysis Method
770	4/23/98	ESTD	8080f.m
771	9/25/98	PSTD0.050	8080f.m
772	TM10CALIBRATION		
773	9/25/98	PSTD0.050	
774	9/25/98	PSTD0.001	8080f.m
775	9/25/98	PSTD0.001	
776	9/25/98	PSTD0.002	8080f.m
777	TM10CALIBRATION		
778	9/25/98	PSTD0.002	
779	9/25/98	PSTD0.005	8080f.m
780	TM10CALIBRATION		
781	9/25/98	PSTD0.005	
782	9/25/98	PSTD0.010	8080f.m
783	TM10CALIBRATION		
784	9/25/98	PSTD0.010	
785	9/25/98	PSTD0.025	8080f.m
786	TM10CALIBRATION		
787	9/25/98	PSTD0.025	
788	9/25/98	PSTD0.100	8080f.m
789	TM10CALIBRATION		
790	9/25/98	PSTD0.100	
791	9/25/98	PSTD0.200	8080f.m
792	TM10CALIBRATION		
793	9/25/98	PSTD0.200	
794	9/25/98	PSTD0.050	8080f.m
795	9/25/98	8090401-BLK1	8080f.m
796		8090401-BLK1	8080f.m
797	9/25/98	8090401-BLK1	
798		8090401-BLK1	8080f.m
799	9/25/98	8090401-BLK1	8080f.m
800	9/25/98	8090401-BLK1LCS	
801	9/25/98	P809197-01	8080f.m
802		P809197-01	8080f.m
803	9/25/98	P809197-01	
804		P809197-01MS	8080f.m
805	9/25/98	P809197-01MS	
806	9/25/98	P809197-01MS	8080f.m
807		P809197-01MS	8080f.m
808	9/25/98	P809197-01MS	8080f.m
809	9/25/98	P809197-01MSD	
810	9/26/98	P809197-02	8080f.m
811	TM10CALIBRATION		
812		P809197-02	8080f.m
813	9/26/98	P809197-02	
814	9/26/98	P809197-03	8080f.m
815		P809197-03	8080f.m
816	9/26/98	P809197-03	
817	9/26/98	P809197-04	8080f.m
818		P809197-04	8080f.m
819	9/26/98	P809197-04	
820	9/26/98	P809197-05	8080f.m
821	TM10CALIBRATION		
822		P809197-05	8080f.m
823	9/26/98	P809197-05	

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Appendix File A

TIF File No.	Date Sampled	Well I.D. No.	EPA Analysis Method
824	9/26/98	P809197-06	8080f.m
825		P809197-06	8080f.m
826	9/26/98	P809197-06	
827	9/26/98	ECDF0029	8080
828	9/26/98	PSTD0.050	8080f.m
829	9/26/98	PSTD0.050	
830	9/26/98	P809197-07	8080f.m
831		P809197-07	8080f.m
832	9/26/98	P809197-07	
833	9/26/98	P809197-08	8080f.m
834		P809197-08	8080f.m
835	9/26/98	P809197-08	
836	9/26/98	P809197-09	8080f.m
837		P809197-09	8080f.m
838	9/26/98	P809197-09	
839	9/26/98	P809197-10	8080f.m
840		P809197-10	8080f.m
841	9/26/98	P809197-10	
842	9/26/98	ECDF0035	8080
843	9/26/98	PSTD0.050	8080f.m
844	9/26/98	PSTD0.050	
845	TM10CALIBRATION		
846	TM10CALIBRATION		
847	9/25/98	8090401-BLK1	pcbf.m
848	9/25/98	8090401-BLK1	
849	9/25/98	P809197-01	pcbf.m
850	TM10CALIBRATION		
851	9/25/98	P809197-01	
852	9/26/98	P809197-02	pcbf.m
853	9/26/98	P809197-02	
854	9/26/98	P809197-03	pcbf.m
855	9/26/98	P809197-03	
856	9/26/98	P809197-04	pcbf.m
857	9/26/98	P809197-04	
858	9/26/98	P809197-05	pcbf.m
859	TM10CALIBRATION		
860	9/26/98	P809197-05	
861	9/26/98	P809197-06	pcbf.m
862	9/26/98	P809197-06	
863	9/26/98	P809197-07	pcbf.m
864	TM10CALIBRATION		
865	9/26/98	P809197-07	
866	9/26/98	P809197-08	pcbf.m
867	9/26/98	P809197-08	
868	9/26/98	P809197-09	pcbf.m
869	TM10CALIBRATION		
870	9/26/98	P809197-09	
871	9/26/98	P809197-10	pcbf.m
872	9/26/98	P809197-10	
873	STLC		6010

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TIF File No.	Date Sampled	Well I.D. No.	EPA Analysis Method
874	9/28/98	8090387-BLK	
		8090387-BS1	
		P809197-03	
		8090387-MS	
		8090387-MSD	
		P809197-01	
		P809197-02	
		P809197-04	
		P809197-05	
		P809197-06	
		P809197-07	
		P809197-08	
		P809197-09	
		P809197-10	
875	TM10CALIBRATION		
876	TM10CALIBRATION		
877	TM10CALIBRATION		
878	TM10CALIBRATION		
879	TM10CALIBRATION		
880	TM10CALIBRATION		
881	TM10CALIBRATION		
882	TM10CALIBRATION		
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885	TM10CALIBRATION		
886	TM10CALIBRATION		
887	TM10CALIBRATION		
888	TM10CALIBRATION		
889	TM10CALIBRATION		
890	TM10CALIBRATION		
891	TM10CALIBRATION		
892	TM10CALIBRATION		
893	TM10CALIBRATION		
894	TM10CALIBRATION		
895	TM10CALIBRATION		
896	TM10CALIBRATION		
897	TM10CALIBRATION		
898	TM10CALIBRATION		
899	TM10CALIBRATION		
900	TM10CALIBRATION		
901	TM10CALIBRATION		
902	TM10CALIBRATION		
903	TM10CALIBRATION		
904	TM10CALIBRATION		
905	TM10CALIBRATION		
906	TM10CALIBRATION		
907	TM10CALIBRATION		
908	TM10CALIBRATION		
909	TM10CALIBRATION		
910	TM10CALIBRATION		
911	TM10CALIBRATION		
912	TM10CALIBRATION		
913	TM10CALIBRATION		
914	TM10CALIBRATION		

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TIF File No.	Date Sampled	Well I.D. No.	EPA Analysis Method
915	TM10CALIBRATION		
916	TM10CALIBRATION		
917	TM10CALIBRATION		
918	TM10CALIBRATION		
919	TM10CALIBRATION		
920	TM10CALIBRATION		
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925	TM10CALIBRATION		
926	TM10CALIBRATION		
927	TM10CALIBRATION		
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965	TM10CALIBRATION		
966	TM10CALIBRATION		
967	TM10CALIBRATION		
968	TM10CALIBRATION		

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Appendix File A

TIF File No.	Date Sampled	Well I.D. No.	EPA Analysis Method
969	TM10CALIBRATION		
970	TM10CALIBRATION		
971	TM10CALIBRATION		
972	TM10CALIBRATION		
973	TM10CALIBRATION		
974	TM10CALIBRATION		
975	TM10CALIBRATION		
976	TM10CALIBRATION		
977	TM10CALIBRATION		
978	TM10CALIBRATION		
979	TM10CALIBRATION		
980	TM10CALIBRATION		
981	TM10CALIBRATION		
982	9/28/98	8090387-BLK	
		8090387-BS1	
		P809197-03	
		8090387-MS	
		8090387-MSD	
		P809197-01	
		P809197-02	
		P809197-04	
		P809197-05	
		P809197-06	
		P809197-07	
		P809197-08	
		P809197-09	
		P809197-10	
983	TM10CALIBRATION		
984	TM10CALIBRATION		
985	TM10CALIBRATION		
986	TM10CALIBRATION		
987	TM10CALIBRATION		
988	TM10CALIBRATION		
989	TM10CALIBRATION		
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1001	TM10CALIBRATION		
1002	TM10CALIBRATION		
1003	TM10CALIBRATION		
1004	TM10CALIBRATION		
1005	TM10CALIBRATION		
1006	TM10CALIBRATION		
1007	TM10CALIBRATION		
1008	TM10CALIBRATION		
1009	TM10CALIBRATION		

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TIF File No.	Date Sampled	Well I.D. No.	EPA Analysis Method
1010	TM10CALIBRATION		
1011	TM10CALIBRATION		
1012	TM10CALIBRATION		
1013	TM10CALIBRATION		
1014	TM10CALIBRATION		
1015	TM10CALIBRATION		
1016	TM10CALIBRATION		
1017	TM10CALIBRATION		
1018	TM10CALIBRATION		
1019	TM10CALIBRATION		
1020	TM10CALIBRATION		
1021	TM10CALIBRATION		
1022	TM10CALIBRATION		
1023	TM10CALIBRATION		
1024	TM10CALIBRATION		
1025	TM10CALIBRATION		
1026	TM10CALIBRATION		
1027	TM10CALIBRATION		
1028	TM10CALIBRATION		
1029	TM10CALIBRATION		
1030	TM10CALIBRATION		
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1035	TM10CALIBRATION		
1036	TM10CALIBRATION		
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1058	TM10CALIBRATION		
1059	TM10CALIBRATION		
1060	TM10CALIBRATION		
1061	TM10CALIBRATION		
1062	TM10CALIBRATION		
1063	TM10CALIBRATION		

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TIF File No.	Date Sampled	Well I.D. No.	EPA Analysis Method
1064	TM10CALIBRATION		
1065	TM10CALIBRATION		
1066	TM10CALIBRATION		
1067	TM10CALIBRATION		
1068	TM10CALIBRATION		
1069	TM10CALIBRATION		
1070	TM10CALIBRATION		
1071	TM10CALIBRATION		
1072	TM10CALIBRATION		
1073	TM10CALIBRATION		
1074	TM10CALIBRATION		
1075	TM10CALIBRATION		
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1093	TM10CALIBRATION		
1094	TM10CALIBRATION		
1095	TM10CALIBRATION		
1096	TM10CALIBRATION		
1097	TM10CALIBRATION		
1098	TM10CALIBRATION		
1099	TM10CALIBRATION		
1100	TM10CALIBRATION		
1101	TM10CALIBRATION		
1102	TM10CALIBRATION		
1103	TM10CALIBRATION		
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1109	TM10CALIBRATION		
1110	TM10CALIBRATION		
1111	TM10CALIBRATION		
1112	TM10CALIBRATION		
1113	TM10CALIBRATION		
1114	TM10CALIBRATION		
1115	TM10CALIBRATION		
1116	TM10CALIBRATION		
1117	TM10CALIBRATION		

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TIF File No.	Date Sampled	Well I.D. No.	EPA Analysis Method
1118	DI LEACH/STLC		6010
1119	TM10CALIBRATION		
1120	TM10CALIBRATION		
1121	TM10CALIBRATION		
1122	TM10CALIBRATION		
1123	TM10CALIBRATION		
1124	TM10CALIBRATION		
1125	TM10CALIBRATION		
1126	TM10CALIBRATION		
1127	TM10CALIBRATION		
1128	TM10CALIBRATION		
1129	TM10CALIBRATION		
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1166	TM10CALIBRATION		
1167	TM10CALIBRATION		
1168	TM10CALIBRATION		
1169	TM10CALIBRATION		
1170	TM10CALIBRATION		
1171	TM10CALIBRATION		

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TIF File No.	Date Sampled	Well I.D. No.	EPA Analysis Method
1172	TM10CALIBRATION		
1173	TM10CALIBRATION		
1174	TM10CALIBRATION		
1175	TM10CALIBRATION		
1176	TM10CALIBRATION		
1177	TM10CALIBRATION		
1178	TM10CALIBRATION		
1179	TM10CALIBRATION		
1180	TM10CALIBRATION		
1181	TM10CALIBRATION		
1182	TM10CALIBRATION		
1183	TM10CALIBRATION		
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1186	TM10CALIBRATION		
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1189	TM10CALIBRATION		
1190	TM10CALIBRATION		
1191	TM10CALIBRATION		
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1198	TM10CALIBRATION		
1199	TM10CALIBRATION		
1200	TM10CALIBRATION		
1201	TM10CALIBRATION		
1202	TM10CALIBRATION		
1203	TM10CALIBRATION		
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1208	TM10CALIBRATION		
1209	TM10CALIBRATION		
1210	TM10CALIBRATION		
1211	TM10CALIBRATION		
1212	TM10CALIBRATION		
1213	TCLP		6010
1214	TM10CALIBRATION		
1215	TM10CALIBRATION		
1216	TM10CALIBRATION		
1217	TM10CALIBRATION		
1218	TM10CALIBRATION		
1219	TM10CALIBRATION		
1220	TM10CALIBRATION		
1221	TM10CALIBRATION		
1222	TM10CALIBRATION		
1223	TM10CALIBRATION		
1224	TM10CALIBRATION		
1225	TM10CALIBRATION		

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TIF File No.	Date Sampled	Well I.D. No.	EPA Analysis Method
1226	TM10CALIBRATION		
1227	TM10CALIBRATION		
1228	TM10CALIBRATION		
1229	TM10CALIBRATION		
1230	TM10CALIBRATION		
1231	TM10CALIBRATION		
1232	TM10CALIBRATION		
1233	TM10CALIBRATION		
1234	TM10CALIBRATION		
1235	TM10CALIBRATION		
1236	TM10CALIBRATION		
1237	TM10CALIBRATION		
1238	TM10CALIBRATION		
1239	TM10CALIBRATION		
1240	TM10CALIBRATION		
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1265	TM10CALIBRATION		
1266	TM10CALIBRATION		
1267	TM10CALIBRATION		
1268	TM10CALIBRATION		
1269	TM10CALIBRATION		
1270	TM10CALIBRATION		
1271	TM10CALIBRATION		
1272	TM10CALIBRATION		
1273	TM10CALIBRATION		
1274	TM10CALIBRATION		
1275	TM10CALIBRATION		
1276	TM10CALIBRATION		
1277	TM10CALIBRATION		
1278	TM10CALIBRATION		
1279	TM10CALIBRATION		

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TIF File No.	Date Sampled	Well I.D. No.	EPA Analysis Method
1280	TM10CALIBRATION		
1281	TM10CALIBRATION		
1282	TM10CALIBRATION		
1283	TM10CALIBRATION		
1284	TM10CALIBRATION		
1285	TM10CALIBRATION		
1286	TM10CALIBRATION		
1287	TM10CALIBRATION		
1288	TM10CALIBRATION		
1289	TM10CALIBRATION		
1290	TM10CALIBRATION		
1291	TM10CALIBRATION		
1292	TM10CALIBRATION		
1293	TM10CALIBRATION		
1294	TM10CALIBRATION		
1295	TM10CALIBRATION		
1296	TM10CALIBRATION		
1297	TM10CALIBRATION		
1298	TM10CALIBRATION		
1299	TM10CALIBRATION		
1300	TM10CALIBRATION		
1301	TM10CALIBRATION		
1302	TM10CALIBRATION		
1303	TM10CALIBRATION		
1304	TM10CALIBRATION		
1305	TM10CALIBRATION		
1306	TM10CALIBRATION		
1307	TM10CALIBRATION		
1308	TM10CALIBRATION		
1309	TM10CALIBRATION		
1310	TM10CALIBRATION		
1311	TM10CALIBRATION		
1312	TM10CALIBRATION		
1313	TM10CALIBRATION		
1314	TM10CALIBRATION		
1315	TM10CALIBRATION		
1316	TM10CALIBRATION		
1317	TM10CALIBRATION		
1318	TM10CALIBRATION		
1319	TM10CALIBRATION		
1320	TM10CALIBRATION		
1321	TM10CALIBRATION		
1322	STLC	7470	
1323	TM10CALIBRATION		
1324	TM10CALIBRATION		
1325	TM10CALIBRATION		
1326	TM10CALIBRATION		
1327	TM10CALIBRATION		
1328	TM10CALIBRATION		
1329	TM10CALIBRATION		
1330	TM10CALIBRATION		
1331	TM10CALIBRATION		
1332	TM10CALIBRATION		
1333	TM10CALIBRATION		

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TIF File No.	Date Sampled	Well I.D. No.	EPA Analysis Method
1334	TM10CALIBRATION		
1335	TM10CALIBRATION		
1336	TM10CALIBRATION		
1337	TM10CALIBRATION		
1338	TM10CALIBRATION		
1339	TM10CALIBRATION		
1340	TM10CALIBRATION		
1341	TM10CALIBRATION		
1342	TM10CALIBRATION		
1343	TM10CALIBRATION		
1344	TM10CALIBRATION		
1345	TM10CALIBRATION		
1346	TM10CALIBRATION		
1347	TM10CALIBRATION		
1348	TM10CALIBRATION		
1349	TM10CALIBRATION		
1350	TM10CALIBRATION		
1351	TM10CALIBRATION		
1352	DI LEACH/STLC		7470
1353	TM10CALIBRATION		
1354	TM10CALIBRATION		
1355	TM10CALIBRATION		
1356	TM10CALIBRATION		
1357	TM10CALIBRATION		
1358	TM10CALIBRATION		
1359	TM10CALIBRATION		
1360	TM10CALIBRATION		
1361	TM10CALIBRATION		
1362	TM10CALIBRATION		
1363	TM10CALIBRATION		
1364	TM10CALIBRATION		
1365	TM10CALIBRATION		
1366	TM10CALIBRATION		
1367	TM10CALIBRATION		
1368	TM10CALIBRATION		
1369	TM10CALIBRATION		
1370	TLCP		7470
1371	TM10CALIBRATION		
1372	TM10CALIBRATION		
1373	TM10CALIBRATION		
1374	TM10CALIBRATION		
1375	TM10CALIBRATION		
1376	TM10CALIBRATION		
1377	TM10CALIBRATION		
1378	TM10CALIBRATION		
1379	TM10CALIBRATION		
1380	TM10CALIBRATION		
1381	TM10CALIBRATION		
1382	TM10CALIBRATION		
1383	TM10CALIBRATION		
1384	TM10CALIBRATION		
1385	TM10CALIBRATION		
1386	TM10CALIBRATION		
1387	TM10CALIBRATION		

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TIF File No.	Date Sampled	Well I.D. No.	EPA Analysis Method
1388	TM10CALIBRATION		
1389	TM10CALIBRATION		
1390	TM10CALIBRATION		
1391	TM10CALIBRATION		
1392	TM10CALIBRATION		
1393	TM10CALIBRATION		
1394	TM10CALIBRATION		
1395	TM10CALIBRATION		
1396	TM10CALIBRATION		
1397	TM10CALIBRATION		
1398	TM10CALIBRATION		
1399	TM10CALIBRATION		
1400	TM10CALIBRATION		
1401	TM10CALIBRATION		
1402	TM10CALIBRATION		
1403	TM10CALIBRATION		
1404	9/10/98	WDI-LS-1(F)	8260
		WDI-LS-1(W)	8260
		WDI-LS-2(F)	8260
		WDI-LS-2(W)	8260
		WDI-LS-3(F)	8260
		WDI-LS-3(W)	8260
		WDI-LS-4(F)	8260
		WDI-LS-4(W)	8260
		WDI-LS-5(F)	8260
		WDI-LS-5(W)	8260
1405	TM10CALIBRATION		
1406	TM10CALIBRATION		
1407	TM10CALIBRATION		
1408	GCMS DI LEACHATE 8260		TCLP 2860
1409	9/10/98	WDI-LS-1(F)	8260B
1410	9/10/98	WDI-LS-1(F)	8260B
1411	9/10/98	WDI-LS-1(F)	SW8260B
1412	9/10/98	WDI-LS-1(F)	SW8260B
1413	9/10/98	WDI-LS-1(W)	8260B
1414	9/10/98	WDI-LS-1(W)	8260B
1415	9/10/98	WDI-LS-1(W)	SW8260B
1416	9/10/98	WDI-LS-1(W)	SW8260B
1417	9/10/98	WDI-LS-2(F)	8260B
1418	9/10/98	WDI-LS-2(F)	8260B
1419	9/10/98	WDI-LS-2(F)	8260B
1420	9/10/98	WDI-LS-2(F)	SW8260B
1421	9/10/98	WDI-LS-2(F)	SW8260B
1422	9/10/98	WDI-LS-2(W)	8260B
1423	9/10/98	WDI-LS-2(W)	8260B
1424	9/10/98	WDI-LS-2(W)	SW8260B
1425	9/10/98	WDI-LS-2(W)	SW8260B
1426	9/10/98	WDI-LS-3(F)	8260B
1427	9/10/98	WDI-LS-3(F)	8260B
1428	9/10/98	WDI-LS-3(F)	SW8260B
1429	9/10/98	WDI-LS-3(F)	SW8260B
1430	9/10/98	WDI-LS-3(W)	8260B
1431	9/10/98	WDI-LS-3(W)	8260B
1432	9/10/98	WDI-LS-3(W)	SW8260B

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TIF File No.	Date Sampled	Well I.D. No.	EPA Analysis Method
1433	9/10/98	WDI-LS-3(W)	SW8260B
1434	9/10/98	WDI-LS-4(F)	8260B
1435	9/10/98	WDI-LS-4(F)	8260B
1436	9/10/98	WDI-LS-4(F)	SW8260B
1437	9/10/98	WDI-LS-4(F)	SW8260B
1438	9/10/98	WDI-LS-4(W)	8260B
1439	9/10/98	WDI-LS-4(W)	8260B
1440	9/10/98	WDI-LS-4(W)	SW8260B
1441	9/10/98	WDI-LS-4(W)	SW8260B
1442	9/10/98	WDI-LS-5(F)	8260B
1443	9/10/98	WDI-LS-5(F)	8260B
1444	9/10/98	WDI-LS-5(F)	SW8260B
1445	9/10/98	WDI-LS-5(F)	SW8260B
1446	9/10/98	WDI-LS-5(W)	8260B
1447	9/10/98	WDI-LS-5(W)	8260B
1448	9/10/98	WDI-LS-5(W)	SW8260B
1449	9/10/98	WDI-LS-5(W)	SW8260B
1450	TM10CALIBRATION		
1451	TM10CALIBRATION		
1452	TM10CALIBRATION		
1453	TM10CALIBRATION		
1454	TM10CALIBRATION		
1455	TM10CALIBRATION		
1456	TM10CALIBRATION		
1457	TM10CALIBRATION		
1458	TM10CALIBRATION		
1459	TM10CALIBRATION		
1460	EXTENDED RAW DATA LEVEL III/IV		
1461	8260A INITIAL CALIBRATION DATA		
1462	TM10CALIBRATION		
1463	9/17/98	CS0867	8260B
1464	9/17/98	CS0867	8260B
1465	9/17/98	CS0865.D	8260CM.M
1466	9/17/98	CS0866.D	8260CM.M
1467	9/17/98	CS0867.D	8260CM.M
1468	9/17/98	CS0868.D	8260CM.M
1469	9/17/98	CS0869.D	8260CM.M
1470	9/17/98		BFB.M
1471	9/17/98	50ng BFB,BFB,..,BFB.H	
1472	9/17/98	50ng BFB,BFB,..,BFB.H	
1473	9/17/98	50ng BFB,BFB,..,BFB.H	
1474	6/7/98	ISTD	8260CM.M
1475	6/7/98	ISTD	8260CM.M
1476	6/7/98	ISTD	8260CM.M
1477	6/7/98	ISTD	8260CM.M
1478	9/17/98	CS0869.D	8260CM.M
1479	9/17/98	CS0869.D	8260CM.M
1480	9/17/98	CS0869.D	8260CM.M
1481	9/17/98	5 PPB 8260B	8260CM.M
1482	TM10CALIBRATION		
1483	TM10CALIBRATION		
1484	9/17/98	5 PPB 8260B	8260CM.M
1485	TM10CALIBRATION		
1486	TM10CALIBRATION		

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TIF File No.	Date Sampled	Well I.D. No.	EPA Analysis Method
1487	TM10CALIBRATION		
1488	TM10CALIBRATION		
1489	TM10CALIBRATION		
1490	TM10CALIBRATION		
1491	9/17/98	20 PPB 8260B	8260CM.M
1492	TM10CALIBRATION		
1493	TM10CALIBRATION		
1494	9/17/98	20 PPB 8260B	8260CM.M
1495	TM10CALIBRATION		
1496	TM10CALIBRATION		
1497	TM10CALIBRATION		
1498	TM10CALIBRATION		
1499	9/17/98	50 PPB 8260B	8260CM.M
1500	TM10CALIBRATION		
1501	TM10CALIBRATION		
1502	9/17/98	50 PPB 8260B	8260CM.M
1503	TM10CALIBRATION		
1504	TM10CALIBRATION		
1505	TM10CALIBRATION		
1506	TM10CALIBRATION		
1507	TM10CALIBRATION		
1508	TM10CALIBRATION		
1509	9/17/98	100 PPB 8260B	8260CM.M
1510	TM10CALIBRATION		
1511	TM10CALIBRATION		
1512	9/17/98	100 PPB 8260B	8260CM.M
1513	TM10CALIBRATION		
1514	TM10CALIBRATION		
1515	TM10CALIBRATION		
1516	TM10CALIBRATION		
1517	9/17/98	400 PPB 8260B	8260CM.M
1518	TM10CALIBRATION		
1519	TM10CALIBRATION		
1520	9/17/98	400 PPB 8260B	8260CM.M
1521	TM10CALIBRATION		
1522	TM10CALIBRATION		
1523	TM10CALIBRATION		
1524	TM10CALIBRATION		
1525	TM10CALIBRATION		
1526	TM10CALIBRATION		
1527	TM10CALIBRATION		
1528	TM10CALIBRATION		
1529	TM10CALIBRATION		
1530	TM10CALIBRATION		
1531	TM10CALIBRATION		
1532	TM10CALIBRATION		
1533	8260A SAMPLE/QC DATA		
1534	TM10CALIBRATION		
1535	9/18/98	CS0871	8260B
1536	9/18/98	CS0871	8260B
1537	9/18/98		BFB.M
1538	TM10CALIBRATION		
1539	TM10CALIBRATION		
1540	TM10CALIBRATION		

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TIF File No.	Date Sampled	Well I.D. No.	EPA Analysis Method
1541	9/18/98	CS0871.D	8260CM.M
1542	9/18/98	CS0871.D	8260CM.M
1543	9/18/98	CS0871.D	8260CM.M
1544	9/18/98	CS0871.D	8260CM.M
1545	9/17/98	CS0867.D	8260CM.M
1546	9/18/98	50 PPB 8260B	8260CM.M
1547	TM10CALIBRATION		
1548	TM10CALIBRATION		
1549	9/18/98	50 PPB 8260B	8260CM.M
1550	9/18/98	DCS1-09/11/98	8260CM.M
1551	TM10CALIBRATION		
1552	9/18/98	DCS1-09/11/98	8260CM.M
1553	9/18/98	DCS1-09/11/98	8260CM.M
1554	TM10CALIBRATION		
1555	9/18/98	DCS1-09/11/98	8260CM.M
1556	9/18/98	MB-09/11/98A	8260CM.M
1557	TM10CALIBRATION		
1558	9/18/98	MB-09/11/98A	8260CM.M
1559	9/18/98	MB-09/11/98A	8260CM.M
1560	9/18/98	MB-09/11/98A	8260CM.M
1561	9/18/98	MB-09/11/98A	8260CM.M
1562	9/18/98	MB-09/11/98A	8260CM.M
1563	9/18/98	MB-09/11/98A	8260CM.M
1564	8260A SAMPLE/QC DATA		
1565	TM10CALIBRATION		
1566	9/18/98	CS0873	8260B
1567	9/18/98	CS0873	8260B
1568	9/18/98	50ng BFB.BFB	BFB.M
1569	9/18/98	50ng BFB.BFB	BFB.M
1570	9/18/98	50ng BFB.BFB	BFB.M
1571	9/18/98	50ng BFB.BFB	BFB.M
1572	9/18/98	50 PPB 8260B	8260CM.M
1573	9/18/98	50 PPB 8260B	8260CM.M
1574	9/18/98	50 PPB 8260B	8260CM.M
1575	9/18/98	50 PPB 8260B	8260CM.M
1576	9/18/98	50 PPB 8260B	8260CM.M
1577	9/18/98	50 PPB 8260B	8260CM.M
1578	TM10CALIBRATION		
1579	TM10CALIBRATION		
1580	9/18/98	50 PPB 8260B	8260CM.M
1581	9/18/98	133973-2C	8260CM.M
1582	9/19/98	133973-2C	8260CM.M
1583	TM10CALIBRATION		
1584	9/19/98	133973-2C	8260CM.M
1585	9/19/98	133973-2C	8260CM.M
1586	9/19/98	133973-2C	8260CM.M
1587	9/19/98	133973-2C	8260CM.M
1588	9/19/98	133973-2C	8260CM.M
1589	9/19/98	133973-2C	8260CM.M
1590	9/19/98	133973-2C	8260CM.M
1591	9/19/98	133973-2C	8260CM.M
1592	9/19/98	133973-2C	8260CM.M
1593	9/19/98	133973-2C	8260CM.M
1594	9/19/98	133973-2C	8260CM.M

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TIF File No.	Date Sampled	Well I.D. No.	EPA Analysis Method
1595	9/19/98	133973-2C	8260CM.M
1596	9/19/98	133973-2C	8260CM.M
1597	9/19/98	133973-2C	8260CM.M
1598	9/19/98	133973-2C	8260CM.M
1599	9/19/98	133973-2C	8260CM.M
1600	9/19/98	133973-2C	8260CM.M
1601	9/19/98	133973-2C	8260CM.M
1602	9/19/98	133973-2C	8260CM.M
1603	9/19/98	133973-2C	8260CM.M
1604	9/19/98	133973-2C	8260CM.M
1605	9/19/98	133973-2C	8260CM.M
1606	9/19/98	133973-2C	8260CM.M
1607	9/19/98	133973-2C	8260CM.M
1608	9/19/98	133973-2C	8260CM.M
1609	9/18/98	133973-8C	8260CM.M
1610	9/19/98	133973-8C	8260CM.M
1611	TM10CALIBRATION		
1612	9/19/98	133973-8C	8260CM.M
1613	9/19/98	133973-8C	8260CM.M
1614	9/19/98	133973-8C	8260CM.M
1615	9/19/98	133973-8C	8260CM.M
1616	9/19/98	133973-8C	8260CM.M
1617	9/19/98	133973-8C	8260CM.M
1618	9/19/98	133973-8C	8260CM.M
1619	9/19/98	133973-8C	8260CM.M
1620	9/19/98	133973-8C	8260CM.M
1621	9/19/98	133973-8C	8260CM.M
1622	9/19/98	133973-8C	8260CM.M
1623	9/19/98	133973-8C	8260CM.M
1624	9/19/98	133973-8C	8260CM.M
1625	9/19/98	133973-8C	8260CM.M
1626	9/19/98	133973-8C	8260CM.M
1627	9/19/98	133973-8C	8260CM.M
1628	9/19/98	133973-8C	8260CM.M
1629	9/19/98	133973-8C	8260CM.M
1630	9/19/98	133973-8C	8260CM.M
1631	9/19/98	133973-8C	8260CM.M
1632	9/19/98	133973-8C	8260CM.M
1633	9/19/98	133973-8C	8260CM.M
1634	9/19/98	133973-8C	8260CM.M
1635	9/19/98	133973-8C	8260CM.M
1636	9/19/98	133973-8C	8260CM.M
1637	9/19/98	133973-8C	8260CM.M
1638	9/19/98	133973-8C	8260CM.M
1639	9/19/98	133973-8C	8260CM.M
1640	9/19/98	133973-8C	8260CM.M
1641	TM10CALIBRATION		
1642	TM10CALIBRATION		
1643	9/19/98	133973-8C	8260CM.M
1644	9/19/98	133973-8C	8260CM.M
1645	9/19/98	133973-8C	8260CM.M
1646	9/19/98	133973-8C	8260CM.M
1647	9/18/98	133973-9C	8260CM.M
1648	9/19/98	133973-9C	8260CM.M

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TIF File No.	Date Sampled	Well I.D. No.	EPA Analysis Method
1649	TM10CALIBRATION		
1650	9/19/98	133973-9C	8260CM.M
1651	9/19/98	133973-9C	8260CM.M
1652	9/19/98	133973-9C	8260CM.M
1653	9/19/98	133973-9C	8260CM.M
1654	9/19/98	133973-9C	8260CM.M
1655	9/19/98	133973-9C	8260CM.M
1656	9/19/98	133973-9C	8260CM.M
1657	9/19/98	133973-9C	8260CM.M
1658	9/19/98	133973-9C	8260CM.M
1659	9/19/98	133973-9C	8260CM.M
1660	9/19/98	133973-9C	8260CM.M
1661	9/19/98	133973-9C	8260CM.M
1662	9/19/98	133973-9C	8260CM.M
1663	9/19/98	133973-9C	8260CM.M
1664	9/19/98	133973-9C	8260CM.M
1665	9/19/98	133973-9C	8260CM.M
1666	9/19/98	133973-9C	8260CM.M
1667	9/19/98	133973-9C	8260CM.M
1668	9/19/98	133973-9C	8260CM.M
1669	9/19/98	133973-9C	8260CM.M
1670	9/19/98	133973-9C	8260CM.M
1671	TM10CALIBRATION		
1672	TM10CALIBRATION		
1673	9/19/98	133973-9C	8260CM.M
1674	9/19/98	133973-9C	8260CM.M
1675	9/19/98	133973-9C	8260CM.M
1676	9/19/98	133973-9C	8260CM.M
1677	9/19/98	133973-9C	8260CM.M
1678	9/18/98	133973-10C	8260CM.M
1679	9/19/98	133973-10C	8260CM.M
1680	TM10CALIBRATION		
1681	9/19/98	133973-10C	8260CM.M
1682	9/19/98	133973-10C	8260CM.M
1683	9/19/98	133973-10C	8260CM.M
1684	9/19/98	133973-10C	8260CM.M
1685	9/19/98	133973-10C	8260CM.M
1686	9/19/98	133973-10C	8260CM.M
1687	9/19/98	133973-10C	8260CM.M
1688	9/19/98	133973-10C	8260CM.M
1689	9/19/98	133973-10C	8260CM.M
1690	9/19/98	133973-10C	8260CM.M
1691	9/19/98	133973-10C	8260CM.M
1692	9/19/98	133973-10C	8260CM.M
1693	9/19/98	133973-10C	8260CM.M
1694	9/19/98	133973-10C	8260CM.M
1695	9/19/98	133973-10C	8260CM.M
1696	9/19/98	133973-10C	8260CM.M
1697	9/19/98	133973-10C	8260CM.M
1698	9/19/98	133973-10C	8260CM.M
1699	9/19/98	133973-10C	8260CM.M
1700	9/19/98	133973-10C	8260CM.M
1701	9/19/98	133973-10C	8260CM.M
1702	9/19/98	133973-10C	8260CM.M

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TIF File No.	Date Sampled	Well I.D. No.	EPA Analysis Method
1703	9/19/98	133973-10C	8260CM.M
1704	9/19/98	133973-10C	8260CM.M
1705	9/19/98	133973-10C	8260CM.M
1706	9/19/98	133973-10C	8260CM.M
1707	9/19/98	133973-10C	8260CM.M
1708	9/19/98	133973-10C	8260CM.M
1709	9/19/98	133973-10C	8260CM.M
1710	9/19/98	133973-10C	8260CM.M
1711	9/19/98	133973-10C	8260CM.M
1712	9/19/98	133973-10C	8260CM.M
1713	9/19/98	133973-10C	8260CM.M
1714	8260 SAMPLE/QC DATA		
1715	TM10CALIBRATION		
1716	9/19/98	CS0874	8260B
1717	9/19/98	CS0874	8260B
1718	9/19/98	50ng BFB.BFB	BFB.M
1719	9/19/98	50ng BFB.BFB	BFB.M
1720	9/19/98	50ng BFB.BFB	BFB.M
1721	9/19/98	50ng BFB.BFB	BFB.M
1722	9/19/98	50 PPB 8260B	8260CM.M
1723	9/19/98	50 PPB 8260B	8260CM.M
1724	9/19/98	50 PPB 8260B	8260CM.M
1725	9/19/98	50 PPB 8260B	8260CM.M
1726	9/19/98	50 PPB 8260B	8260CM.M
1727	TM10CALIBRATION		
1728	TM10CALIBRATION		
1729	9/19/98	50 PPB 8260B	8260CM.M
1730	9/19/98	133973-6C	8260CM.M
1731	9/19/98	133976-6C	8260CM.M
1732	TM10CALIBRATION		
1733	9/19/98	133973-6C	8260CM.M
1734	9/19/98	133973-6C	8260CM.M
1735	9/19/98	133973-6C	8260CM.M
1736	9/19/98	133973-6C	8260CM.M
1737	9/19/98	133973-6C	8260CM.M
1738	9/19/98	133973-6C	8260CM.M
1739	9/19/98	133973-6C	8260CM.M
1740	9/19/98	133973-6C	8260CM.M
1741	9/19/98	133973-6C	8260CM.M
1742	9/19/98	133973-6C	8260CM.M
1743	9/19/98	133973-6C	8260CM.M
1744	9/19/98	133973-6C	8260CM.M
1745	9/19/98	133973-6C	8260CM.M
1746	9/19/98	133973-6C	8260CM.M
1747	9/19/98	133973-6C	8260CM.M
1748	9/19/98	133973-6C	8260CM.M
1749	9/19/98	133973-6C	8260CM.M
1750	9/19/98	133973-6C	8260CM.M
1751	9/19/98	133973-6C	8260CM.M
1752	9/19/98	133973-6C	8260CM.M
1753	9/19/98	133973-6C	8260CM.M
1754	9/19/98	133973-6C	8260CM.M
1755	9/19/98	133973-6C	8260CM.M
1756	9/19/98	133973-6C	8260CM.M

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Appendix File A

TIF File No.	Date Sampled	Well I.D. No.	EPA Analysis Method
1757	9/19/98	133973-6C	8260CM.M
1758	9/19/98	133973-6C	8260CM.M
1759	9/19/98	133973-6C	8260CM.M
1760	9/19/98	133973-6C	8260CM.M
1761	9/19/98	133973-6C	8260CM.M
1762	TM10CALIBRATION		
1763	TM10CALIBRATION		
1764	TM10CALIBRATION		
1765	TM10CALIBRATION		
1766	9/17/98	5 PPB 8260B	8260CM.M
1767	TM10CALIBRATION		
1768	9/17/98	20 PPB 8260B	8260CM.M
1769	TM10CALIBRATION		
1770	9/17/98	50 PPB 8260B	8260CM.M
1771	TM10CALIBRATION		
1772	9/17/98	100 PPB 8260B	8260CM.M
1773	TM10CALIBRATION		
1774	9/17/98	400 PPB 8260B	8260CM.M
1775	TM10CALIBRATION		
1776	9/16/98	LCS-09/16/98B	8260CM.M
1777	TM10CALIBRATION		
1778	TM10CALIBRATION		
1779	9/17/98	LCS-09/16/98B	8260CM.M
1780	9/17/98	LCS-09/16/98B	8260CM.M
1781	9/17/98	LCS-09/16/98B	8260CM.M
1782	TM10CALIBRATION		
1783	TM10CALIBRATION		
1784	TM10CALIBRATION		
1785	9/18/98	CT0409	8260B
1786	9/18/98	50 PPB 8260B	8260CM.M
1787	TM10CALIBRATION		
1788	TM10CALIBRATION		
1789	9/11/98	DC1-09/11/98A	8260CM.M
1790	9/18/98	DC1-09/11/98A	8260CM.M
1791	9/18/98	DC1-09/11/98A	8260CM.M
1792	TM10CALIBRATION		
1793		DCS2-09/11/98	8260C
1794	9/18/98	DCS2-09/11/98	8260C
1795	9/18/98	DCS2-09/11/98	8260CM.M
1796	TM10CALIBRATION		
1797		MB-09/11/98A	8260A
1798		MB-09/11/98A	8260A
1799		MB-09/11/98A	8260A
1800		MB-09/11/98A	8260CM.M
1801	9/18/98	MB-09/11/98A	8260CM.M
1802	9/18/98	MB-09/11/98A	8260CM.M
1803	INJECTION LOG		
1804	9/18/98	50 PPB 8260B	8260CM.M
1805	TM10CALIBRATION		
1806		MB-09/18/98B(	8260A
1807		MB-09/18/98B(	8260A
1808		MB-09/18/98B(	8260A
1809		MB-09/18/98B(	8260CM.M
1810	9/18/98	MB-09/18/98B(	8260CM.M
1811	9/18/98	MB-09/18/98B(	8260CM.M
1812	TM10CALIBRATION		
1813	9/18/98	MB-09/18/98B(	8260CM.M
1814	9/18/98	MB-09/18/98B(	8260CM.M

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Appendix File A

TIF File No.	Date Sampled	Well I.D. No.	EPA Analysis Method
1815	9/18/98	MB-09/18/98B(	8260CM.M
1816	9/18/98	MB-09/18/98B(	8260C
1817	9/18/98	MB-09/18/98B(	8260CM.M
1818		133973-2C	8260A
1819		133973-2C	8260A
1820		133973-2C	8260A
1821		133973-2C	8260CM.M
1822	9/19/98	133973-2C	8260CM.M
1823	TM10CALIBRATION		
1824		133973-8C	8260A
1825		133973-8C	8260A
1826		133973-8C	8260A
1827		133973-8C	8260CM.M
1828	9/19/98	133973-8C	8260CM.M
1829	TM10CALIBRATION		
1830	TM10CALIBRATION		
1831		133973-9C	8260A
1832		133973-9C	8260A
1833		133973-9C	8260A
1834		133973-9C	8260CM.M
1835	9/18/98	133973-9C	8260CM.M
1836		133973-10C	8260A
1837		133973-10C	8260A
1838		133973-10c	8260A
1839		133973-10C	8260A
1840		133973-10C	8260CM.M
1841	9/19/98	133973-10C	8260CM.M
1842	TM10CALIBRATION		
1843	INJECTION LOG		
1844	9/19/98	50 PPB 8260B	8260CM.M
1845	TM10CALIBRATION		
1846	TM10CALIBRATION		
1847		MB-09/19/98A(	8260A
1848		MB-09/19/98A(	8260A
1849		MB-09/19/98A(	8260A
1850		MB-09/19/98A(	8260CM.M
1851	9/19/98	MB-09/19/98A(	8260CM.M
1852	9/19/98	MB-09/19/98A(	8260CM.M
1853	TM10CALIBRATION		
1854	9/19/98	MB-09/19/98A(	8260CM.M
1855	9/19/98	MB-09/19/98A(	8260CM.M
1856	9/19/98	MB-09/19/98A(	8260CM.M
1857	9/19/98	MB-09/19/98A(	8260CM.M
1858	9/19/98	MB-09/19/98A(	8260CM.M
1859	9/19/98	MB-09/19/98A(	8260CM.M
1860	9/19/98	MB-09/19/98A(	8260CM.M
1861		133973-6C	8260A
1862		1333973-6C	8260A
1863		133973-6C	8260A
1864		133973-6C	8260CM.M
1865	9/19/98	133973-6C	8260CM.M
1866	TM10CALIBRATION		
1867	EXTENDED RAW DATA LEVEL III/IV		
1868	8260A INITIAL CALIBRATION DATA		

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Appendix File A

TIF File No.	Date Sampled	Well I.D. No.	EPA Analysis Method
1869	GC/MS VOA INJECTION LOG		
1870	9/17/98	DS1244	
1871	9/17/98	DS1244	
1872	9/17/98	ISTD	8260DS.M
1873	9/17/98	ISTD	8260DS.M
1874	9/17/98	ISTD	8260DS.M
1875	9/17/98	ISTD	8260DS.M
1876	9/17/98		8260DS.M
1877	9/17/98	400 PPB 8260B	8260DS.M
1878	9/17/98	400 PPB 8260B	8260DS.M
1879	9/17/98	400 PPB 8260B	8260DS.M
1880	9/17/98	5.0 PPB 8260B	8260DS.M
1881	9/17/98	20 PPB 8260B	8260DS.M
1882	9/17/98	50 PPB 8260B	8260DS.M
1883	9/17/98	100 PPB 8260B	8260DS.M
1884	9/17/98	400 PPB 8260B	8260DS.M
1885	9/17/98	50 ng BFB	BFB.M
1886	9/17/98	50 ng BFB	
1887	9/17/98	50 ng BFB	
1888	9/17/98	50 ng BFB	
1889	9/17/98	5.0 PPB 8260B	8260DS.M
1890	TM10CALIBRATION		
1891	TM10CALIBRATION		
1892	9/17/98	5.0 PPB 8260B	8260DS.M
1893	9/17/98	20 PPB 8260B	8260DS.M
1894	TM10CALIBRATION		
1895	TM10CALIBRATION		
1896	9/17/98	20 PPB 8260B	8260DS.M
1897	9/17/98	50 PPB 8260B	8260DS.M
1898	TM10CALIBRATION		
1899	TM10CALIBRATION		
1900	9/17/98	50 PPB 8260B	8260DS.M
1901	TM10CALIBRATION		
1902	TM10CALIBRATION		
1903	TM10CALIBRATION		
1904	TM10CALIBRATION		
1905	TM10CALIBRATION		
1906	TM10CALIBRATION		
1907	9/17/98	100 PPB 8260B	8260DS.M
1908	TM10CALIBRATION		
1909	TM10CALIBRATION		
1910	9/17/98	100 PPB 8260B	8260DS.M
1911	TM10CALIBRATION		
1912	TM10CALIBRATION		
1913	TM10CALIBRATION		
1914	TM10CALIBRATION		
1915	TM10CALIBRATION		
1916	TM10CALIBRATION		
1917	TM10CALIBRATION		
1918	TM10CALIBRATION		
1919	TM10CALIBRATION		
1920	TM10CALIBRATION		
1921	TM10CALIBRATION		
1922	TM10CALIBRATION		

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Appendix File A

TIF File No.	Date Sampled	Well I.D. No.	EPA Analysis Method
1923	TM10CALIBRATION		
1924	TM10CALIBRATION		
1925	TM10CALIBRATION		
1926	TM10CALIBRATION		
1927	9/17/98	400 PPB	8260B 8260DS.M
1928	TM10CALIBRATION		
1929	TM10CALIBRATION		
1930	9/17/98	400 PPB	8260B 8260DS.M
1931	TM10CALIBRATION		
1932	TM10CALIBRATION		
1933	TM10CALIBRATION		
1934	TM10CALIBRATION		
1935	TM10CALIBRATION		
1936	TM10CALIBRATION		
1937	TM10CALIBRATION		
1938	TM10CALIBRATION		
1939	TM10CALIBRATION		
1940	TM10CALIBRATION		
1941	TM10CALIBRATION		
1942	TM10CALIBRATION		
1943	TM10CALIBRATION		
1944	TM10CALIBRATION		
1945	TM10CALIBRATION		
1946	TM10CALIBRATION		
1947	TM10CALIBRATION		
1948	TM10CALIBRATION		
1949	TM10CALIBRATION		
1950	TM10CALIBRATION		
1951	TM10CALIBRATION		
1952	TM10CALIBRATION		
1953	TM10CALIBRATION		
1954	TM10CALIBRATION		
1955	TM10CALIBRATION		
1956	TM10CALIBRATION		
1957	TM10CALIBRATION		
1958	TM10CALIBRATION		
1959	TM10CALIBRATION		
1960	TM10CALIBRATION		
1961	TM10CALIBRATION		
1962	TM10CALIBRATION		
1963	9/17/98	DCS1-09/17/98	8260DS.M
1964	9/17/98	DCS1-09/17/98	8260DS.M
1965	TM10CALIBRATION		
1966	9/17/98	DCS1-09/17/98	8260DS.M
1967	9/17/98	DCS2-09/17/98	8260DS.M
1968	9/17/98	DCS2-09/17/98	8260DS.M
1969	TM10CALIBRATION		
1970	9/17/98	DCS2-09/17/98	8260DS.M
1971	9/17/98	MB-09/17/98BI	8260DS.M
1972	9/17/98	MB-09/17/98BI	8260DS.M
1973	TM10CALIBRATION		
1974	9/17/98	MB-09/17/98BI	8260DS.M
1975	9/17/98	MB-09/17/98BI	8260DS.M
1976	9/17/98	MB-09/17/98BI	8260DS.M

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Appendix File A

TIF File No.	Date Sampled	Well I.D. No.	EPA Analysis Method
1977	9/17/98	MB-09/17/98BI	8260DS.M
1978	9/17/98	MB-09/17/98BI	8260DS.M
1979	9/17/98	MB-09/17/98BI	8260DS.M
1980	9/17/98	MB-09/17/98BI	8260DS.M
1981	9/17/98	MB-09/17/98BI	8260DS.M
1982	9/17/98	133973-1A	8260DS.M
1983	9/17/98	133973-1A	8260DS.M
1984	TM10CALIBRATION		
1985	9/17/98	133973-1A	8260DS.M
1986	9/17/98	133973-1A	8260DS.M
1987	9/17/98	133973-1A	8260DS.M
1988	9/17/98	133973-1A	8260DS.M
1989	9/17/98	133973-1A	8260DS.M
1990	9/17/98	133973-1A	8260DS.M
1991	9/17/98	133973-5A	8260DS.M
1992	9/17/98	133973-5A	8260DS.M
1993	TM10CALIBRATION		8260DS.M
1994	9/18/98	133973-5A	8260DS.M
1995	9/18/98	133973-5A	8260DS.M
1996	9/18/98	133973-5A	8260DS.M
1997	9/18/98	133973-5A	8260DS.M
1998	9/18/98	133973-5A	8260DS.M
1999	9/18/98	133973-5A	8260DS.M
2000	9/18/98	133973-5A	8260DS.M
2001	9/18/98	133973-5A	8260DS.M
2002	9/18/98	133973-5A	8260DS.M
2003	9/18/98	133973-5A	8260DS.M
2004	9/18/98	133973-5A	8260DS.M
2005	9/18/98	133973-5A	8260DS.M
2006	9/18/98	133973-5A	8260DS.M
2007	9/18/98	133973-5A	8260DS.M
2008	8260A SAMPLE/QC DATA		
2009	GC/MS VOA INJECTION LOG		
2010	9/18/98	DS1251	
2011	9/18/98	DS1251	
2012	9/18/98	50 ng BFB	BFB.M
2013	9/18/98	50 ng BFB	
2014	9/18/98	50 ng BFB	
2015	9/18/98	50 ng BFB	
2016	9/18/98	50 PPB 8260B	8260DS.M
2017	9/18/98	50 PPB 8260B	8260DS.M
2018	9/18/98	50 PPB 8260B	8260DS.M
2019	9/18/98	50 PPB 8260B	8260DS.M
2020	9/18/98	50 PPB 8260B	8260DS.M
2021	TM10CALIBRATION		
2022	TM10CALIBRATION		
2023	9/18/98	50 PPB 8260B	8260DS.M
2024	9/18/98	DCS1-09/18/98	8260DS.M
2025	9/18/98	DCS1-09/18/98	8260DS.M
2026	TM10CALIBRATION		
2027	9/18/98	DCS1-09/18/98	8260DS.M
2028	9/18/98	DCS1-09/18/98	8260DS.M
2029	9/18/98	DCS2-09/18/98	8260DS.M
2030	TM10CALIBRATION		

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Appendix File A

TIF File No.	Date Sampled	Well I.D. No.	EPA Analysis Method
2031	9/18/98	DCS2-09/18/98	8260DS.M
2032	9/18/98	MB-09/18/98BI	8260DS.M
2033	9/18/98	MB-09/18/98BI	8260DS.M
2034	TM10CALIBRATION		
2035	9/18/98	MB-09/18/98BI	8260DS.M
2036	9/18/98	MB-09/18/98BI	8260DS.M
2037	9/18/98	MB-09/18/98BI	8260DS.M
2038	9/18/98	MB-09/18/98BI	8260DS.M
2039	9/18/98	MB-09/18/98BI	8260DS.M
2040	9/18/98	MB-09/18/98BI	8260DS.M
2041	9/18/98	133973-3B	8260DS.M
2042	9/18/98	133973-3B	8260DS.M
2043	TM10CALIBRATION		
2044	9/19/98	133973-3B	8260DS.M
2045	9/19/98	133973-3B	8260DS.M
2046	9/19/98	133973-3B	8260DS.M
2047	9/19/98	133973-3B	8260DS.M
2048	9/19/98	133973-3B	8260DS.M
2049	9/19/98	133973-3B	8260DS.M
2050	9/19/98	133973-3B	8260DS.M
2051	9/19/98	133973-3B	8260DS.M
2052	9/19/98	133973-3B	8260DS.M
2053	9/19/98	133973-3B	8260DS.M
2054	9/19/98	133973-3B	8260DS.M
2055	9/19/98	133973-3B	8260DS.M
2056	9/19/98	133973-3B	8260DS.M
2057	9/19/98	133973-3B	8260DS.M
2058	9/19/98	133973-3B	8260DS.M
2059	9/19/98	133973-3B	8260DS.M
2060	9/19/98	133973-3B	8260DS.M
2061	9/19/98	133973-3B	8260DS.M
2062	9/19/98	133973-3B	8260DS.M
2063	9/19/98	133973-3B	8260DS.M
2064	9/19/98	133973-3B	8260DS.M
2065	9/18/98	133973-4B	8260DS.M
2066	9/18/98	133973-4B	8260DS.M
2067	TM10CALIBRATION		
2068	9/19/98	133973-4B	8260DS.M
2069	9/19/98	133973-4B	8260DS.M
2070	9/19/98	133973-4B	8260DS.M
2071	9/19/98	133973-4B	8260DS.M
2072	9/19/98	133973-4B	8260DS.M
2073	9/19/98	133973-4B	8260DS.M
2074	9/19/98	133973-4B	8260DS.M
2075	9/19/98	133973-4B	8260DS.M
2076	9/19/98	133973-4B	8260DS.M
2077	9/19/98	133973-4B	8260DS.M
2078	9/19/98	133973-4B	8260DS.M
2079	9/19/98	133973-4B	8260DS.M
2080	9/19/98	133973-4B	8260DS.M
2081	9/19/98	133973-4B	8260DS.M
2082	9/19/98	133973-4B	8260DS.M
2083	9/19/98	133973-4B	8260DS.M
2084	9/19/98	133973-4B	8260DS.M

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Appendix File A

TIF File No.	Date Sampled	Well I.D. No.	EPA Analysis Method
2085	9/19/98	133973-4B	8260DS.M
2086	9/19/98	133973-4B	8260DS.M
2087	9/19/98	133973-4B	8260DS.M
2088	9/19/98	133973-4B	8260DS.M
2089	9/19/98	133973-4B	8260DS.M
2090	9/19/98	133973-4B	8260DS.M
2091	9/19/98	133973-4B	8260DS.M
2092	9/19/98	133973-4B	8260DS.M
2093	9/19/98	133973-4B	8260DS.M
2094	9/19/98	133973-4B	8260DS.M
2095	9/18/98	133973-7B	8260DS.M
2096	9/18/98	133973-7B	8260DS.M
2097	TM10CALIBRATION		
2098	9/19/98	133973-7B	8260DS.M
2099	9/19/98	133973-7B	8260DS.M
2100	9/19/98	133973-7B	8260DS.M
2101	9/19/98	133973-7B	8260DS.M
2102	9/19/98	133973-7B	8260DS.M
2103	9/19/98	133973-7B	8260DS.M
2104	9/19/98	133973-7B	8260DS.M
2105	9/19/98	133973-7B	8260DS.M
2106	9/19/98	133973-7B	8260DS.M
2107	9/19/98	133973-7B	8260DS.M
2108	9/19/98	133973-7B	8260DS.M
2109	9/19/98	133973-7B	8260DS.M
2110	TM10CALIBRATION		
2111	TM10CALIBRATION		
2112	TM10CALIBRATION		
2113	9/17/98	5.0 PPB 8260B	8260DS.M
2114	TM10CALIBRATION		
2115	9/17/98	20 PPB 8260B	8260DS.M
2116	TM10CALIBRATION		
2117	9/17/98	50 PPB 8260B	8260DS.M
2118	TM10CALIBRATION		
2119	9/17/98	100 PPB 8260B	8260DS.M
2120	TM10CALIBRATION		
2121	9/17/98	400 PPB 8260B	8260B
2122	TM10CALIBRATION		
2123		DCS1-09/17/98	8260DS.M
2124	9/17/98	DCS1-09/17/98	8260DS.M
2125	TM10CALIBRATION		
2126		DCS2-09/17/98	8260DS.M
2127	9/17/98	DCS2-09/17/98	8260DS.M
2128	TM10CALIBRATION		
2129		MB-09/17/98BI	8260A
2130		MB-09/17/98BI	8260A
2131		MB-09/17/98BI	8260A
2132		MB-09/17/98BI	8260DS.M
2133	9/17/98	MB-09/17/98BI	8260DS.M
2134		133973-1A	8260A
2135		133973-1A	8260A
2136		133973-1A	8260A
2137		133973-1A	8260DS.M
2138	9/17/98	133973-1A	8260DS.M

DISK NO. 1 OF 2
Appendix File A

TIF File No.	Date Sampled	Well I.D. No.	EPA Analysis Method
2139		133973-5A	8260A
2140		133973-5A	8260A
2141		133973-5A	8260A
2142		133973-5A	8260DS.M
2143	9/18/98	133973-5A	8260DS.M
2144	TM10CALIBRATION		
2145	TM10CALIBRATION		
2146	9/18/98	50 PPB 8260B	8260DS.M
2147	TM10CALIBRATION		
2148		DCS1-09/17/98	8260DS.M
2149	9/18/98	DCS1-09/17/98	8260DS.M
2150	TM10CALIBRATION		
2151		DCS2-09/17/98	8260DS.M
2152	9/18/98	DCS2-09/17/98	8260DS.M
2153	TM10CALIBRATION		
2154		MB-09/17/98BI	8260A
2155		MB-09/17/98BI	8260A
2156		MB-09/17/98BI	8260A
2157		MB-09/17/98BI	8260DS.M
2158	9/18/98	MB-09/17/98BI	8260DS.M
2159	TM10CALIBRATION		
2160		133973-3B	8260A
2161		133973-3B	8260A
2162		133973-3B	8260A
2163		133973-3B	8260DS.M
2164	9/19/98	133973-3B	8260DS.M
2165	TM10CALIBRATION		
2166		133973-4B	8260A
2167		133973-4B	8260A
2168		133973-4B	8260A
2169		133973-4B	8260DS.M
2170	9/19/98	133973-4B	8260DS.M
2171	TM10CALIBRATION		
2172		133973-7B	8260A
2173		133973-7B	8260A
2174		133973-7B	8260A
2175		133973-7B	8260DS.M
2176	9/19/98	133973-7B	8260DS.M
2177	TM10CALIBRATION		

APPENDIX J

DISK NO. 1 OF 2
APPENDIX FILE B

TRC

DISK NO. 1 OF 2
Appendix File B

TIF File No.	Date Sampled	Well I.D. No.	EPA Analysis Method
3	5/11/98	WDI-EX-2	(CVE) 8260
4	5/11/98	WDI-P-1	(CVE) 8260
5	5/11/98	WDI-P-2	(CVE) 8260
6	5/11/98	WDI-P-3	(CVE) 8260
7	5/11/98	WDI-P-4	(CVE) 8260
8	5/11/98	WDI-VW-9	(CVE) 8260
9	5/11/98	WDI-P-2 (Free)	(CVE) 8260
10	5/11/98	WDI-P-4 (Free)	(CVE) 8260
11	5/11/98	WDI-VW-9 (Free)	(CVE) 8260
12			
13	5/11/98	WDI-EX-2	413.2
	5/11/98	WDI-P-1	413.2
	5/11/98	WDI-P-2	413.2
	5/11/98	WDI-P-3	413.2
	5/11/98	WDI-P-4	413.2
	5/11/98	WDI-VW-9	413.2
14	5/11/98	WDI-EX-2	418.1
	5/11/98	WDI-P-1	418.1
	5/11/98	WDI-P-2	418.1
	5/11/98	WDI-P-3	418.1
	5/11/98	WDI-P-4	418.1
	5/11/98	WDI-VW-9	418.1
15	5/11/98	WDI-P-1	350/8015
16	5/11/98	WDI-P-2	3550/8015
17	5/11/98	WDI-P-3	3510/8015
18	5/11/98	WDI-P-4	3550/8015
19	5/11/98	WDI-VW-9	3550/8015
20	5/11/98	WDI-P-1	8260
21	5/11/98	WDI-P-2	8260
22	5/11/98	WDI-P-3	8260
23	5/11/98	WDI-P-4	8260
24	5/11/98	WDI-VW-9	8260
25	5/11/98	WDI-EX-2	8260
26	5/11/98	WDI-P-1	8260
27	5/11/98	WDI-P-2	8260
28	5/11/98	WDI-P-3	8260
29	5/11/98	WDI-P-4	8260
30	5/11/98	WDI-VW-9	8260
31	5/11/98	Trip Blank	8260
32	5/11/98	WDI-P-1	3520/8270
33	5/11/98	WDI-P-3	3520/8270
34	5/11/98	WDI-P-3	3520/8270
35	5/11/98	WDI-P-4	3520/8270
36	5/11/98	WDI-VW-9	3520/8270
37	5/11/98	WDI-EX-2	3520/8270
38	5/11/98	WDI-P-1	3520/8270
39	5/11/98	WDI-P-2	3520/8270
40	5/11/98	WDI-P-3	3520/8270
41	5/11/98	WDI-P-4	3520/8270
42	5/11/98	WDI-VW-9	3520/8270
43	5/11/98	WDI-EX-2	6010
44	5/11/98	WDI-EX-2	6010/7470
45	5/11/98	WDI-P-1	6010
46	5/11/98	WDI-P-1	6010/7470

DISK NO. 1 OF 2
Appendix File B

TIF File No.	Date Sampled	Well I.D. No.	EPA Analysis Method
47	5/11/98	WDI-P-2	6010
48	5/11/98	WDI-P-2	6010/7470
49	5/11/98	WDI-P-3	6010
50	5/11/98	WDI-P-3	6010/7470
51	5/11/98	WDI-P-4	6010
52	5/11/98	WDI-P-4	6010/7470
53	5/11/98	WDI-VW-9	6010
54	5/11/98	WDI-VW-9	6010/7470
55	5/11/98	WDI-P-1	6010
56	5/11/98	WDI-P-1	6010/7470
57	5/11/98	WDI-P-4	6010
58	5/11/98	WDI-P-4	6010/7470
59	5/11/98	WDI-VW-9	6010
60	5/11/98	WDI-VW-9	6010/7470
61	5/11/98	WDI-EX-2	SM 2330B
			SM 2340B
			SW 9040A
			310.1
			160.1
			160.2
62	5/11/98	WDI-P-1	SM2320B
			SM2340B
			SW 9040A
			310.1
			160.1
			160.2
63	5/11/98	WDI-P-2	SM2320B
			SM2340B
			SW 9040A
			310.1
			160.1
			160.2
64	5/11/98	WDI-P-3	SM2320B
			SM2340B
			SW 9040A
			310.1
			160.1
			160.2
65	5/11/98	WDI-P-4	SM2320B
			SM2340B
			SW 9040A
			310.1
			160.1
			160.2
66	5/11/98	WDI-VW-9	SM2320B
			SM2340B
			SW 9040A
			310.1
			160.1
			160.2
67	5/21/98	BLANK	413.2
68	5/21/98	BLANK	418.1
69	5/13/98	BLANK	3510/8081
70	5/19/98	BLANK	8260

DISK NO. 1 OF 2
Appendix File B

TIF File No.	Date Sampled	Well I.D. No.	EPA Analysis Method
71	5/20/98	BLANK	8260
72	5/21/98	BLANK	8260
73	5/13/98	BLANK	3520/8270
74	5/28/98	BLANK	6010
75	5/28/98	BLANK	6010/7470
76	5/28/99	BLANK	6010
77	5/28/98	BLANK	6010/7470
78	5/18/98	MS/MSD	8260
79	5/20/98	MS/MSD	8260
80	5/19/98	MS/MSD	8260
81	5/21/98	MS/MSD	8260
82	5/13/98	MS/MSD	8270
83	5/18/98	MS/MSD	8081
84	5/19/98	MS/MSD	METALS
85	5/20/98	MS/MSD	METALS
86	5/15/98	MS/MSD	7470
87	5/20/98	MS/MSD	7471
88	5/21/98	MS/MSD	413.2
89	5/21/98	MS/MSD	418.1
90	5/18/98	LCS	8260
91	5/20/98	LCS	8260
92	5/19/98	LCS	8260
93	5/21/98	LCS	8260
94	5/20/98	LCS	METALS
95	5/15/98	LCS	7470
96	5/20/98	LCS	7471
97	May-98	LCS	413.2
98	5/21/98	LCS	418.1
99	5/11/98	WDI-EX-2	8260/8270/8081
			418.1/413.2
		WDI-P-1	8260/8270/8081
		WDI-P-1	8260/8270/8081
			418.1/413.2
		WDI-P-2	8260/8270/8081
		WDI-P-2	8260/8270/8081
			418.1/413.2
		WDI-P-3	8260/8270
		WDI-P-3	8260/8270/8081
			418.1/413.2
		WDI-P-4	8260/8270/8081
100		WDI-P-4	8260/8270/8081
			418.1/413.2
		WDI-VW-9	8260/8270
		WDI-VW-9	8260/8270/8081
			418.1/413.2
		Trip Blank	8260
101			
102	5/11/98	WDI-EX-2	9215B
		WDI-P-1	9215B
		WDI-P-2	9215B
		WDI-P-3	9215B
		WDI-P-4	9215B
		WDI-VW-9	9215B

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Appendix File B

TIF File No.	Date Sampled	Well I.D. No.	EPA Analysis Method
103	5/11/98	WDI-EX-2	9215B
		WDI-P-1	9215B
		WDI-P-2	9215B
		WDI-P-3	9215B
		WDI-P-4	9215B
		WDI-VW-9	9215B
104			
105			
106	5/11/98	WDI-EX-2	A&A Plate Count
		WDI-P-1	A&A Plate Count
		WDI-P-1	A&A Plate Count
		WDI-P-2	A&A Plate Count
		WDI-P-2	A&A Plate Count
		WDDP-3	A&A Plate Count
107	5/11/98	WDI-P-3	A&A Plate Count
		WDI-P-4	A&A Plate Count
		WDI-P-4	A&A Plate Count
		WDI-P-9	A&A Plate Count
		WDI-P-9	A&A Plate Count
108	5/11/98	WDI-P-1	3550/8081
109	5/11/98	WDI-P-2	3550/8081
110	5/11/98	WDI-P-4	3550/8081
111	5/11/98	WDI-EX-2	3510/8081
112	5/11/98	WDI-P-1	3510/8081
113	5/11/98	WDI-P-2	3510/8081
114	5/11/98	WDI-P-3	3510/8081
115	5/11/98	WDI-P-4	3510/8081
116	5/11/98	WDI-VW-9	3510/8081
117		**APP. B.2**	
118	6/11/98	WDI-EX-2	413.2
		WDI-P-1	413.2
		WDI-VW-9	413.2
119	6/11/98	WDI-EX-2	418.1
		WDI-P-1	418.1
		WDI-VW-9	418.1
120	6/11/98	WDI-P-1	3550/8015
121	6/11/98	WDI-VW-9	3550/8015
122	6/11/98	WDI-PB-2	3550/8015
123	6/11/98	WDI-EX-2	3510/8081
124	6/11/98	WDI-P-1	3510/8081
125	6/11/98	WDI-VW-9	3510/8081
126	6/11/98	WDI-PB-2	3510/8081
127	6/11/98	WDI-PB-6	3510/8081
128	6/11/98	WDI-PB-4	3510/8081
129	6/11/98	WDI-P-1	3550/8081
130	6/11/98	WDI-VW-9	3550/8081
131	6/11/98	WDI-PB-2	3550/8081
132	6/11/98	WDI-EX-2	8260
133	6/11/98	WDI-P-1	8260
134	6/11/98	WDI-VW-9	8260
135	6/11/98	WDI-PB-2	8260
136	6/11/98	WDI-PB-6	8260
137	6/11/98	WDI-PB-4	8260
138	6/11/98	WDI-P-1	8260

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Appendix File B

TIF File No.	Date Sampled	Well I.D. No.	EPA Analysis Method
139	6/11/98	WDI-VW-9	8260
140	6/11/98	WDI-PB-2	8260
141	6/11/98	WDI-EX-2	8260
142	6/11/98	WDI-P-1	8260
143	6/11/98	WDI-VW-9	8260
144	6/11/98	WDI-PB-2	8260
145	6/11/98	WDI-PB-6	8260
146	6/11/98	WDI-PB-4	8260
147	6/11/98	WDI-TripBla	8260
148	6/11/98	WDI-P-1	8260
149	6/11/98	WDI-VW-9	8260
150	6/11/98	WDI-PB-2	8260
151	6/11/98	WDI-EX-2	3520/8270
152	6/11/98	WDI-P-1	3520/8270
153	6/11/98	WDI-VW-9	3520/8270
154	6/11/98	WDI-PB-2	3520/8270
155	6/11/98	WDI-PB-6	3520/8270
156	6/11/98	WDI-PB-4	3520/8270
157	6/11/98	WDI-P-1	3520/8270
158	6/11/98	WDI-VW-9	3520/8270
159	6/11/98	WDI-PB-2	3520/8270
160	6/11/98	WDI-EX-2	6010
161	6/11/98	WDI-EX-2	6010/7470
162	6/11/98	WDI-P-1	6010
163	6/11/98	WDI-P-1	6010/7470
164	6/11/98	WDI-VW-9	6010
165	6/11/98	WDI-VW-9	6010/7470
166	6/11/98	WDI-P-B-2	6010
167	6/11/98	WDI-PB-2	6010/7470
168	6/11/98	WDI-PB-6	6010
169	6/11/98	WDI-PB-6	6010/7470
170	6/11/98	WDI-PB-4	6010
171	6/11/98	WDI-PB-4	6010/7470
172	6/11/98	WDI-P-1	6010
173	6/11/98	WDI-P-1	6010/7470
174	6/11/98	WDI-VW-9	6010
175	6/11/98	WDI-VW-9	6010/7470
176	6/11/98	WDI-PB-2	6010
177	6/11/98	WDI-PB-2	6010/7470
178	6/11/98	WDI-EX-2	SM2320B
			SM2340B
			150.1
			310.1
			160.1
			160.2
179	6/11/98	WDI-P-1	SM2320B
			SM2340B
			150.1
			310.1
			160.1
			160.2

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Appendix File B

TIF File No.	Date Sampled	Well I.D. No.	EPA Analysis Method
180	6/11/98	WDI-VW-9	SM2320B
			SM2340B
			150.1
			310.1
			160.1
			160.2
181	6/19/98	Method Blank	413.2
182	6/17/98	Method Blank	418.1
183	6/18/98	Method Blank	3510/8081
184	6/19/98	Method Blank	3510/8081
185	6/6/98	Method Blank	3510/8081
186	6/17/98	Method Blank	8260
187	6/17/98	Method Blank	8260
188	6/16/98	Method Blank	8260
189	6/17/98	Method Blank	8260
190	6/17/98	Method Blank	8260
191	6/15/98	Method Blank	3520/8720
192	7/2/98	Method Blank	6010
193	7/2/98	Method Blank	6010/7470
194	7/2/98	Method Blank	6010
195	7/2/98	Method Blank	6010/7470
196	6/17/98	MS/MSD	8260
197	6/17/98	LCS	8260
198	6/16/98	MS/MSD	8260
199	6/16/98	LCS	8260
200	6/18/98	MS/MSD	8260
201	6/18/98	LCS	8260
202	6/15/98	MS/MSD	8270
203	6/24/98	MS/MSD	METALS
204	6/24/98	LCS	METALS
205	6/16/98	MS/MSD	7470
206	6/16/98	LCS	7470
207	6/25/98	MS/MSD	METALS
208	6/25/98	LCS	METALS
209	6/17/98	MS/MSD	7471
210	6/17/98	LCS	7471
211	6/19/98	MS/MSD	413.2
212	6/19/98	LCS	413.2
213	6/17/98	MS/MSD	418.1
214	6/17/98	LCS	418.1
215	6/11/98	CHAIN OF CUSTODY	
216	6/11/98	CHAIN OF CUSTODY	
217	6/11/98	CHAIN OF CUSTODY	
218	6/11/98	CHAIN OF CUSTODY	
219	7/9/98	WDI-EX-2	9215B
		WDI-P-1	9215B
		WDI-VW-9	9215B
		WDI-VW-9	9215B
220	6/11/98	WDI-EX-2	9215B
		WDI-P-1	9215B
		WDI-VW-9	9215B
		WDI-VW-9	9215B
221			
222			

DISK NO. 1 OF 2
Appendix File B

TIF File No.	Date Sampled	Well I.D. No.	EPA Analysis Method
223	7/15/98	WDI-EX-2	A&A Plate Count
		WDI-P-1	A&A Plate Count
		WDI-P-1	A&A Plate Count
		WDI-VW-9	A&A Plate Count
		WDI-VW-9	A&A Plate Count
224	6/11/98	CHAIN OF CUSTODY	
225	6/11/98	CHAIN OF CUSTODY	
226	6/11/98	CHAIN OF CUSTODY	
227	6/11/98	CHAIN OF CUSTODY	
228	6/11/98	WDI-EX-2	TO-14
229	6/11/98	WDI-EX-2	TO-14
230	6/11/98	WDI-EX-2-FB	TO-14
231	6/11/98	WDI-EX-2-FB	TO-14
232	N/A	N/A	Method Blank
233	N/A	N/A	Method Blank
234	6/11/98	CHAIN OF CUSTODY	
235			
236		**APP. B.3**	
237			
238	8/14/98	EX-4	9215B
		NSP-1	9215B
		NSP-2	9215B
		NSP-3	9215B
		NDP-1	9215B
		NDP-2	9215B
		NDP-3	9215B
239	8/14/98	EX-4	9215B
		NSP-1	9215B
		NSP-2	9215B
		NSP-3	9215B
		NDP-1	9215B
		NDP-2	9215B
		NDP-3	9215B
240			
241			
242	8/14/98	NDP-3	ASTM D-240
			ASTM D-4294
243	8/14/98		418.1
244	8/14/98		413.2
245	8/14/98		3550/8015
246	8/14/98	WDI-EX-4	3510/8081
247	8/14/98	NSP-1	3510/8081
248	8/14/98	NSP-2	3510/8081
249	8/14/98	NSP-3	3510/8081
250	8/14/98	NDP-1	3510/8081
251	8/14/98	NDP-2	3510/8081
252	8/14/98	NDP-3	3510/8081
253	8/14/98	NDP-3	3550/8081
254	8/14/98	WDI-EX-4	3510/8082
255	8/14/98	NSP-1	3510/8082
256	8/14/98	NSP-2	3510/8082
257	8/14/98	NSP-3	3510/8082
258	8/14/98	NSP-3	3510/8082
259	8/14/98	NDP-1	3510/8082

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Appendix File B

TIF File No.	Date Sampled	Well I.D. No.	EPA Analysis Method
260	8/14/98	NDP-2	3510/8082
261	8/14/98	NDP-3	3510/8082
262	8/14/98	NDP-3	3510/8082
263	8/14/98	NDP-3	3580/8082
264	8/14/98	WDI-EX-4	8260
265	8/14/98	NSP-1	8260
266	8/14/98	NSP-2	8260
267	8/14/98	NSP-3	8260
268	8/14/98	NDP-1	8260
269	8/14/98	NDP-2	8260
270	8/14/98	NDP-3	8260
271	8/14/98	WDI-EX-4	8260
272	8/14/98	NSP-1	8260
273	8/14/98	NSP-2	8260
274	8/14/98	NSP-3	8260
275	8/14/98	NDP-1	8260
276	8/14/98	NDP-2	8260
277	8/14/98	NDP-3	8260
278	8/14/98	NDP-3	8260
279	8/14/98	WDI-EX-4	3520/8270
280	8/14/98	NSP-1	3520/8270
281	8/14/98	NSP-2	3520/8270
282	8/14/98	NSP	3520/8270
283	8/14/98	NDP-1	3520/8270
284	8/14/98	NDP-2	3520/8270
285	8/14/98	NDP-3	3520/8270
286	8/14/98	NDP-3	3520/8270
287	8/14/98	WDI-EX-4	6010
288	8/14/98	WDI-EX-4	6010/7470
289	8/14/98	NSP-1	6010
290	8/14/98	NSP-1	6010/7470
291	8/14/98	NSP-2	6010
292	8/14/98	NSP-2	6010/7470
293	8/14/98	NSP-3	6010
294	8/14/98	NSP-3	6010/7470
295	8/14/98	NDP-1	6010
296	8/14/98	NDP-1	6010/7470
297	8/14/98	NDP-2	6010
298	8/14/98	NDP-2	6010/7470
299	8/14/98	NDP-3	6010
300	8/14/98	NDP-3	6010/7470
301	8/14/98	WATER	150.1
302	8/14/98	WATER	160.2
303	8/14/98	WATER	160.1
304	8/14/98	WATER	160.1
305	8/19/98	Method Blank	418.1
306	8/20/98	Method Blank	413.2
307	8/21/98	Method Blank	
308	8/24/98	Method Blank	3510/8081
309	8/18/98	Method Blank	3550/8081
310	8/24/98	Method Blank	3510/8082
311	8/18/98	Method Blank	3580/8082
312	8/21/98	Method Blank	8260
313	8/22/98	Method Blank	8260

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Appendix File B

TIF File No.	Date Sampled	Well I.D. No.	EPA Analysis Method
314	8/21/98	Method Blank	8260
315	8/25/98	Method Blank	8260
316	8/21/98	Method Blank	8260
317	8/22/98	Method Blank	8260
318	8/21/98	Method Blank	8260
319	8/17/98	Method Blank	3520/8270
320	8/27/98	Method Blank	3520/8270
321	9/9/98	Method Blank	6010
322	9/9/98	Method Blank	6010/7470
323			
324			
325	8/14/98	NDP-3	6010
326	8/14/98	NDP-3	6010/7470
327	10/6/98	Method Blank	6010
328	10/6/98	Method Blank	6010/7470
329		Method Blank	6010/7470
330		**APP. B.4**	
331	8/20/98		413.2
332	8/20/98		418.1
333	8/20/98		3550/8015
334	8/20/98		3550/8015
335	8/20/98		3550/8015
336	8/20/98	WDI-EX-6	3550/8081
337	8/20/98	SDP-3	3550/8081
338	8/20/98	SDP-1	3550/8081
339	8/20/98	WDI-EX-6	3510/8081
340	8/20/98	SDP-3	3510/8081
341	8/20/98	SDP-2	3510/8081
342	8/20/98	SSP-3	3510/8081
343	8/20/98	SSP-1	3510/8081
344	8/20/98	SSP-2	3510/8081
345	8/20/98	WDI-EX-6	3580/8082
346	8/20/98	SDP-3	3580/8082
347	8/20/98	SDP-1	3580/8082
348	8/20/98	WDI-EX-6	3510/8082
349	8/20/98	SDP-3	3510/8082
350	8/20/98	SDP-2	3510/8082
351	8/20/98	SSP-3	3510/8082
352	8/20/98	SSP-1	3510/8082
353	8/20/98	SSP-2	3510/8082
354	8/20/98	WDI-EX-6	8260
355	8/20/98	SDP-3	8260
356	8/20/98	SDP-1	8260
357	8/20/98	WDI-EX-6	8260
358	8/20/98	SDP-3	8260
359	8/20/98	SDP-2	8260
360	8/20/98	SSP-3	8260
361	8/20/98	SSP-1	8260
362	8/20/98	SSP-2	8260
363	8/20/98	Trip Blank	8260
364	8/20/98	WDI-EX-6	8260
365	8/20/98	SDP-3	8260
366	8/20/98	SDP-2	8260
367	8/20/98	SSP-3	8260

DISK NO. 1 OF 2
Appendix File B

TIF File No.	Date Sampled	Well I.D. No.	EPA Analysis Method
368	8/20/98	SSP-1	8260
369	8/20/98	SSP-2	8260
370	8/20/98	WDI-EX-6	3520/8270
371	8/20/98	SDP-3	3520/8270
372	8/20/98	SDP-1	3520/8270
373	8/20/98	WDI-EX-6	3520/8270
374	8/20/98	SDP-3	3520/8270
375	8/20/98	SDP-2	3520/8270
376	8/20/98	SSP-3	3520/8270
377	8/20/98	SSP-1	3520/8270
378	8/20/98	SSP-2	3520/820
379	8/20/98	WDI-EX-6	6010
380	8/20/98	WDI-EX-6	6010/7470
381	8/20/98	SDP-3	6010
382	8/20/98	SDP-3	6010/7470
383	8/20/98	SDP-1	6010
384	8/20/98	SDP-1	6010/7470
385	8/20/98	WDI-EX-6	6010
386	8/20/98	WDI-EX-6	6010/7470
387	8/20/98	SDP-2	6010
388	8/20/98	SDP-2	6010/7470
389	8/20/98	SSP-3	6010
390	8/20/98	SSP-3	6010/7470
391	8/20/98	SSP-1	6010
392	8/20/98	SSP-1	6010/7470
393	8/20/98	SSP-2	6010
394	8/20/98	SSP-2	6010/7470
395	8/20/98	EX-6	150.1
		SDP-2	150.1
		SSP-3	150.1
		SSP-1	150.1
		SSP-2	150.1
396	8/20/98	EX-6	SM2320B
			310.1
			160.1
			160.2
397	8/20/98	SDP-2	SM2320B
			310.1
			160.1
			160.2
398	8/20/98	SSP-3	SM2320B
			310.1
			160.1
			160.2
399	8/20/98	SSP-1	SM2320B
			310.1
			160.1
			160.2
400	8/20/98	SSP-2	SM2320B
			310.1
			160.1
			160.2
401	8/28/98	Method Blank	413.2
402	8/27/98	Method Blank	413.2

DISK NO. 1 OF 2
Appendix File B

TIF File No.	Date Sampled	Well I.D. No.	EPA Analysis Method
403	8/21/98	Method Blank	Simulated Distallation
404	8/30/98	Method Blank	3550/8081
405	8/24/98	Method Blank	3510/8081
406	8/30/98	Method Blank	3580/8082
407	8/24/98	Method Blank	3510/8082
408	8/26/98	Method Blank	8260
409	8/26/98	Method Blank	8260
410	8/26/98	Method Blank	8260
411	8/26/98	Method Blank	8260
412	8/26/98	Method Blank	8260
413	9/3/98	Method Blank	3550/8270
414	8/23/98	Method Blank	3520/8270
415	8/31/98	Method Blank	6010
416	8/31/98	Method Blank	6010/7470
417	8/31/98	Method Blank	6010
418	8/25/98	Method Blank	6010/7470
419	8/20/98	Chain of Custody	
420	8/20/98	Chain of Custody	
421	8/20/98	Chain of Custody	
422	8/20/98	Chain of Custody	
423	8/20/98	Chain of Custody	
424	9/23/98	WDI-BT-P7016	8260A
		WDI-BT-P7081	8260A
		WDI-BT-P4206	8260A
425	9/23/98	WDI-BT-P7016	8260A
		WDI-BT-P7081	8260A
		WDI-BT-P4206	8260A
426	9/23/98	WDI-BT-P7016	8260A
		WDI-BT-P7081	8260A
		WDI-BT-P4206	8260A
427	9/23/98	WDI-BT-P7016	8270B
		WDI-BT-P7081	8270B
		WDI-BT-P4206	8270B
428	9/23/98	WDI-BT-P7016	8270B
		WDI-BT-P7081	8270B
		WDI-BT-P4206	8270B
429	9/23/98	WDI-BT-P7016	TTLC
		WDI-BT-P7081	TTLC
		WDI-BT-P4206	TTLC
430	9/23/98	WDI-BT-P7016	8080A
		WDI-BT-P7081	8080A
		WDI-BT-P4206	8080A
431	9/23/98	WDI-BT-P7016	418.1
		WDI-BT-P7081	418.1
		WDI-BT-P4206	418.1
432	9/23/98	Chain of Custody	

APPENDIX J

DISK NO. 1 OF 2
APPENDIX FILE C

TRC

DISK NO. 1 OF 2
Appendix File C

TIF File No.	Date Sampled	Well I.D. No.	EPA Analysis Method
5	2/5/98	WDI-VW32-35-01	25C
6	2/5/98	WDI-VW32-35-01	25C
7	2/5/98	WDI-VW25-35-01	25C
8	2/5/98	WDI-VWFD25-35-(	25C
9	2/5/98	WDI-VWFB25-35-(	25C
10			
11	2/5/98	WDI-VW50-8-01	25C
12	2/5/98	WDI-VW50-18-01	25C
13	2/5/98	WDIVW50-18-01	25C
14	2/5/98	WDI-VW50-35-01	25C
15	2/5/98	WDI-VW32-8-01	25C
16	2/5/98	WDI-VW32-18-01	25C
17	2/5/98	WDI-VW26-35-01	25C
18	2/5/98	WDI-VW31-10-01	25C
19	2/5/98	WDI-VW31-30-01	25C
20	2/5/98	WDI-VW12-34-01	25C
21	2/5/98	WDI-VW-12-34-01	25C
22	2/5/98	WDI-VW24-35-01	25C
23	2/5/98	WDI-VW23-36-01	25C
24	2/5/98	WDI-VW33-10-01	25C
25	2/5/98	WDI-VW33-35-01	25C
26	N/A	N/A	25C
27	N/A	N/A	25C
28	2/5/98	WDI-VW25-35-01	GC/TCD
		WDI-VWFD25-35-(	GC/TCD
29	RAW DATA		
30	TM10CALIBRATION		
31	TM10CALIBRATION		
32	12/2/98	STD-2mL	FXGS_25C.MTH
33	12/2/97	STD-2mL	FXGS1203.M
34	12/2/97	STD-1mL	FXGS_25C.MTH
35	12/2/97	STD-1mL	FXGS1203.M
36	12/2/97	STD-500uL	FXGS_25C.MTH
37	12/2/97	STD-500uL	FXGS1203.M
38	12/2/97	STD-200uL	FXGS_25C.MTH
39	12/2/97	STD-200uL	FXGS1203.M
40	12/2/97	STD-100uL	FXGS_25C.MTH
41	12/2/97	STD-100uL	FXGS1203.M
42	12/2/97	STD-UI	FXGS_25C.MTH
43	12/2/97	STD-50uL	FXGS1203.M
44	2/17/98	STD500uL	3C_1297.M
45	2/17/98	STD-500uL	3C_1297.M
46	2/17/98	MB-1mL	3C_1297.M
47	2/17/98	MB-1mL	3C_1297.M
48	2/17/98	0208-007-100uL	3C_1297.M
49	2/17/98	0208-007-100uL	3C_1297.M
50	2/17/98	0208-008-100uL	3C_1297.M
51	2/17/98	0208-008-100uL	3C_1297.M
52	2/17/98	STD-500uL	3C_1297.M
53	2/17/98	STD-500uL	3C_1297.M
54	TM10CALIBRATION		
55	TM10CALIBRATION		
56	TM10CALIBRATION		

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Appendix File C

TIF File No.	Date Sampled	Well I.D. No.	EPA Analysis Method
57	12/8/97	5000ppmC STD-1	25_11297.M
58	12/8/97	5000ppmC STD-1	25_11297.M
59	12/8/97	625 ppmC STD-1	25_11297.M
60	12/8/97	625 ppmC STD-1	25_11297.M
61	12/8/97	50ppmC STD-1	25_11297.M
62	12/8/97	50ppmC STD-1	25_11297.M
63	12/8/97	STD-6.25ppm-1	25_11297.M
64	12/8/97	STD-6.25ppm-1	25_11297.M
65	2/17/98	STD-50ppm	25_11297.M
66	2/17/98	STD-50ppm	25_11297.M
67	2/17/98	MB-NL	25_11297.M
68	2/17/98	MB-NL	25_11297.M
69	2/17/98	0208-001-NL-V	25_11297.M
70	2/17/98	0208-001-NL-V	25_11297.M
71	2/17/98	0208-002-NL-V	25_11297.M
72	2/17/98	0208-002-NL-V	25_11297.M
73	2/17/98	0208-002-NL-V-DP	25_11297.M
74	2/17/98	0208-002-NL-V-DP	25_11297.M
75	2/17/98	0208-003-NL-V	25_11297.M
76	2/17/98	0208-003-NL-V	25_11297.M
77	2/17/98	0208-004-NL-V	25_11297.M
78	2/17/98	0208-004-NL-V	25_11297.M
79	2/17/98	0208-005-NL-V	25_11297.M
80	2/17/98	0208-005-NL-V	25_11297.M
81	2/17/98	0208-006-NL-V-DP	25_11297.M
82	2/17/98	0208-006-NL-V	25_11297.M
83	2/17/98	0208-007-SL-V	25_11297.M
84	2/17/98	0208-007-SL-V	25_11297.M
85	2/17/98	0208-008-NL-V	25_11297.M
86	2/17/98	0208-008-NL-V	25_11297.M
87	2/17/98	0208-009-NL-V	25_11297.M
88	2/17/98	0208-009-NL-V	25_11297.M
89	2/17/98	0208-010-NL-V	25_11297.M
90	2/17/98	0208-010-NL-V	25_11297.M
91	2/17/98	0208-011-NL-V	25_11297.M
92	2/17/98	0208-011-NL-V	25_11297.M
93	2/17/98	0208-012-NL-V	25_11297.M
94	2/17/98	0208-012-NL-V	25_11297.M
95	2/17/98	STD-50ppm	25_11297.M
96	2/17/98	STD-50ppm	25_11297.M
97	2/19/98	STD-50ppm	25_11297.M
98	2/19/98	STD-50ppm	25_11297.M
99	2/19/98	MB-NL	25_11297.M
100	2/19/98	MB-NL	25_11297.M
101	2/19/98	0208-013-NL-V	25_11297.M
102	2/19/98	0208-013-NL-V	25_11297.M
103	2/19/98	0208-014-NL-V	25_11297.M
104	2/19/98	0208-014-NL-V	25_11297.M
105	2/19/98	0208-015-NL-V	25_11297.M
106	2/19/98	0208-015-NL-V	25_11297.M
107	2/19/98	0208-013-NL-V-DP	25_11297.M
108	2/19/98	0208-013-NL-V-DP	25_11297.M
109	2/19/98	0208-015-SL-V	25_11297.M

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Appendix File C

TIF File No.	Date Sampled	Well I.D. No.	EPA Analysis Method
110	2/19/98	0208-015-SL-V	25_11297.M
111	2/19/98	0208-016-SL-V	25_11297.M
112	2/19/98	0208-016-SL-V	25_11297.M
113	2/19/98	0208-017-SL-V	25_11297.M
114	2/19/98	0208-017-SL-V	25_11297.M
115	2/20/98	STD-50ppm	25_11297.M
116	2/20/98	STD-50ppm	25_11297.M
117	2/24/98	VOC WDI-VW50-8	T015.M
118	RESULTS OF VOLATILE ORGANIC ANALYSISI		
119	2/5/98	WDI-VW50-8-01	T0-14
120	2/5/98	WDI-VW50-8-01	T0-14
121	2/23/98	VOC WDI-VW50-8	T015
122	2/23/98	VOC WDI-VW50-8	T015.M
123	2/23/98	VOC WDI-VW50-8	T015.M
124	2/24/98	VOC WDI-VW50-8	T015
125	2/24/98	VOC WDI-VW50-8	T015.M
126	2/5/98	WDI-VW50-18-1	T0-14
127	2/5/98	WDI-VW50-18-1	T0-14
128	2/23/98	VOC WDI-VW50-1	T015
129	2/23/98	VOC WDI-VW50-1	T015.M
130	2/23/98	VOC WDI-VW50-1	T015.M
131	2/5/98	WDI-VW50-18-01	T0-14
132	2/5/98	WDI-VW50-18-01	T0-14
133	2/23/98	VOC WDI-VW50-1	T015
134	2/23/98	VOC WDI-VW50-1	T015.M
135	2/23/98	VOC WDI-VW50-1	T015.M
136	2/5/98	WDI-VW50-35-01	T0-14
137	2/5/98	WDI-VW50-35-01	T0-14
138	2/23/98	VOC WDI-VW50-3	T015
139	2/23/98	VOC WDI-VW50-3	T015.M
140	2/23/98	VOC WDI-VW50-3	T015.M
141	2/5/98	WDI-VW32-8-01	T0-14
142	2/5/98	WDI-VW32-8-01	T0-14
143	2/24/98	VOC WDI-VW32-8	T015
144	2/24/98	VOC WDI-VW32-8	T015.M
145	2/24/98	VOC WDI-VW32-8	T015.M
146	2/5/98	WDI-VW32-18-01	T0-14
147	2/5/98	WDI-VW32-18-01	T0-14
148	2/24/98	VOC WDI-VW32-1	T015
149	2/24/98	VOC WDI-VW32-1	T015.M
150	2/24/98	VOC WDI-VW32-1	T015.M
151	2/5/98	WDI-VW32-35-01	T0-14
152	2/5/98	WDI-VW32-35-01	T0-14
153	2/23/98	VOC WDI-VW32-3	T015
154	2/23/98	VOC WDI-VW32-3	T015.M
155	2/23/98	VOC WDI-VW32-3	T015.M
156	2/5/98	WDI-VW25-35-01	T0-14
157	2/5/98	WDI-VW25-35-01	T0-14
158	2/23/98	VOC WDI-VW25-3	T015
159	2/23/98	VOC WDI-VW25-3	T015.M
160	2/23/98	VOC WDI-VW25-3	T015.M
161	2/5/98	WDI-VWFD25-35-(	T0-14
162	2/5/98	WDI-VWFD25-35-(	T0-14

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Appendix File C

TIF File No.	Date Sampled	Well I.D. No.	EPA Analysis Method
163	2/24/98	VOC WDI-VSFD25	T015
164	2/24/98	VOC WDI-VSFD25	T015.M
165	2/24/98	VOC WDI-VSFD25	T015.M
166	2/5/98	WDI-VWFB25-35-(	T0-14
167	2/5/98	WDI-VWFB25-35-(	T0-14
168	2/23/98	VOC WDI-VWFB2	T015
169	2/23/98	VOC WDI-VWFB2	T015.M
170	2/23/98	VOC WDI-VWFB2	T015.M
171	2/5/98	WDI-VW26-35-01	T0-14
172	2/5/98	WDI-VW26-35-01	T0-14
173	2/24/98	VOC WDI-VW26-3	T015
174	2/24/98	VOC WDI-VW26-3	T015.M
175	2/24/98	VOC WDI-VW26-3	T015.M
176	2/24/98	VOC WDI-VW26-3	T015
177	2/24/98	VOC WDI-VW26-3	T015.M
178	2/24/98	VOC WDI-VW26-3	T015.M
179	2/5/98	WDI-VW31-10-01	T0-14
180	2/5/98	WDI-VW31-10-01	T0-14
181	2/24/98	VOC WDI-VW31-1	T015
182	2/24/98	VOC WDI-VW31-1	T015.M
183	2/24/98	VOC WDI-VW31-1	T015.M
184	2/24/98	VOC WDI-VW31-1	T015
185	2/24/98	VOC WDI-VW31-1	T015.M
186	2/24/98	VOC WDI-VW31-1	T015.M
187	2/5/98	WDI-VW31-10-01	T0-14
188	2/5/98	WDI-VW31-10-01	T0-14
189	2/24/98	VOC WDI-VW31-1	T015
190	2/24/98	VOC WDI-VW31-1	T015.M
191	2/24/98	VOC WDI-VW31-1	T015.M
192	2/24/98	VOC WDI-VW31-1	T015
193	2/24/98	VOC WDI-VW31-1	T015.M
194	2/24/98	VOC WDI-VW31-1	T015.M
195	2/5/98	WDI-VW31-30-01	T0-14
196	2/5/98	WDI-VW31-30-01	T0-14
197	2/24/98	VOC WDI-VW31-3	T015
198	2/24/98	VOC WDI-VW31-3	T015.M
199	2/24/98	VOC WDI-VW31-3	T015.M
200	2/24/98	VOC WDI-VW31-3	T015
201	2/24/98	VOC WDI-VW31-3	T015.M
202	2/24/98	VOC WDI-VW31-3	T015.M
203	2/5/98	WDI-VW12-34-01	TO-14
204	2/5/98	WDI-VW12-34-01	T0-14
205	2/24/98	VOC WDI-VW12-3	T015
206	2/24/98	VOC WDI-12-34-01	T015.M
207	2/24/98	VOC WDI-VW12-3	T015.M
208	2/24/98	VOC WDI-VW12-3	T015
209	2/24/98	VOC WDI-VW12-3	T015.M
210	2/24/98	VOC WDI-VW12-3	T015.M
211	2/5/98	WDI-VW24-35-01	T0-14
212	2/5/98	WDI-VW24-35-01	T0-14
213	2/24/98	VOC WDI-VW24-3	T015
214	2/24/98	VOC WDI-VW24-3	T015.M
215	2/24/98	VOC WDI-VW24-3	T015.M

DISK NO. 1 OF 2
Appendix File C

TIF File No.	Date Sampled	Well I.D. No.	EPA Analysis Method
216	2/5/98	WDI-VW23-36-01	T0-14
217	2/5/98	WDI-VW23-36-01	T0-14
218	2/24/98	VOC WDI-VW23-3	T015
219	2/24/98	VOC WDI-VW23-3	T015.M
220	2/24/98	VOC WDI-VW23-3	T015.M
221	2/24/98	VOC WDI-VW23-3	T015
222	2/24/98	VOC WDI-VW23-3	T015.M
223	2/24/98	VOC WDI-VW23-3	T015.M
224	2/5/98	WDI-VW33-10-01	T0-14
225	2/5/98	WDI-VW33-10-01	T0-14
226	2/24/98	VOC WDI-VW33-1	T015
227	2/24/98	VOC WDI-VW33-1	T015.M
228	2/24/98	VOC WDI-VW33-1	T015.M
229	2/24/98	VOC WDI-VW33-1	T015
230	2/24/98	VOC WDI-VW33-1	T015.M
231	2/24/98	VOC WDI-VW33-1	T015.M
232	2/5/98	WDI-VW33-35-01	T0-14
233	2/5/98	WDI-VW33-35-01	T0-14
234	2/24/98	VOC WDI-VW33-3	T015
235	2/24/98	VOC WDI-VW33-3	T015.M
236	2/24/98	VOC WDI-VW33-3	T015.M
237	2/24/98	VOC WDI-VW33-3	T015
238	2/24/98	VOC WDI-VW33-3	T015.M
239	2/24/98	VOC WDI-VW33-3	T015.M
240	N/A	N/A	T0-14
241	N/A	N/A	T0-14
242	2/23/98	T0-15	T015
243	2/23/98	T0-15	T015.M
244	2/23/98	T0-15	T015.M
245	N/A	N/A	T0-14
246	N/A	N/A	T0-14
247	2/24/98	T0-15	T015
248	2/24/98	T0-15	T015.M
249	2/24/98	T0-15	T015.M
250	SURROGATE SPIKE RECOVERY RESULTS		
251	2/5/98	WDI-#94-256	T0-14
252	QCCS RESULTS		
253	N/A	WDI-#94-256	T0-14
254	2/19/98	25 ng T0-15 QCCS	T015
255	2/19/98	25 ng T0-15 QCCS	T015.M
256	2/19/98	25 ng T0-15 QCCS	T015.M
257	INITIAL CALIBRATION STANDARDS		
258	TM10CALIBRATION		
259	TM10CALIBRATION		
260	2/19/98	25 ng T0-15	T015
261	2/19/98	25 ng T0-15	T015.M
262	2/19/98	25 ng T0-15	T015.M
263	2/19/98	100 ng T0-15	T015
264	2/19/98	100 ng T0-15	T015.M
265	2/19/98	100 ng T0-15	T015.M
266	2/18/98	5 ng T0-15	T015
267	2/18/98	5 ng T0-15	T015.M
268	2/18/98	5 ng T0-15	T015.M

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Appendix File C

TIF File No.	Date Sampled	Well I.D. No.	EPA Analysis Method
269	2/18/98	10 ng T0-15	T015
270	2/18/98	10 ng T0-15	T015.M
271	2/18/98	10 ng T0-15	T015.M
272	2/18/98	50 ng T0-15	T015
273	2/19/98	50 ng T0-15	T015.M
274	2/19/98	50 ng T0-15	T015.M
275 CONTINUING CALIBRATION STANDARDS			
276	2/19/98	25 ng T0-15	T015.M
277	2/23/98	25 ng T0-15	T015.M
278	2/23/98	25 ng T0-15	T015
279	2/23/98	25 ng T0-15	T015.M
280	2/23/98	25 ng T0-15	T015.M
281	2/24/98	25 ng T0-15	T015.M
282	2/24/98	25 ng T0-15	T015.M
283	2/24/98	25 ng T0-15	T015
284	2/24/98	25 ng T0-15	T015.M
285	2/24/98	25 ng T0-15	T015.M
286 BFB TUNING & MASS CALIBRATION			
287	2/18/98	10 ng T0-15	T01543.M
288	2/19/98	25 ng T0-15	T01543.M
289	2/23/98	25 ng T0-15	T015.M
290	2/24/98	25 ng T0-15	T015.M
291 CHAIN OF CUSTODY RECORDS			
292 CHAIN OF CUSTODY RECORDS			
293 CHAIN OF CUSTODY RECORDS			
294 LABORATORY REPORT			
295			
296	2/5/98	WDI	GC/TCD
297	2/5/98	WDI-VW50-8-01	25C
298	2/5/98	WDI-VW50-18-01	25C
299	2/5/98	WDI-VW50-18-01	25C
300	2/5/98	WDI-VW50-35-01	25C
301	2/5/98	WDI-VW32-8-01	25C
302	2/5/98	WDI-VW32-18-01	25C
303	2/5/98	WDI-VW32-35-01	25C
304	2/5/98	WDI-VW32-35-01	25C
305	2/5/98	WDI-VW25-35-01	25C
306	2/5/98	WDI-VWFD25-35-(	25C
307	2/5/98	WDI-VWFFB25-35	25C
308	2/5/98	WDI-VW26-35-01	25C
309	2/5/98	WDI-VW31-10-01	25C
310	2/5/98	WDI-VW31-30-01	25C
311	2/5/98	WDI-VW12-34-01	25C
312	2/5/98	WDI-VW12-34-01	25C
313	2/5/98	WDI-VW24-35-01	25C
314	2/5/98	WDI-VW23-36-01	25C
315	2/5/98	WDI-VW33-10-01	25C
316	2/5/98	WDI-VW33-35-01	25C
317 N/A		N/A	25C
318 N/A		N/A	25C
319	2/5/98	WDI-VW50-8-01	T0-14
320	2/5/98	WDI-VW50-8-01	T0-14
321	2/5/98	WDI-VW50-18-01	T0-14

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Appendix File C

TIF File No.	Date Sampled	Well I.D. No.	EPA Analysis Method
322	2/5/98	WDI-VW50-18-01	T0-14
323	2/5/98	WDI-VW50-18-01	T0-14
324	2/5/98	WDI-VW50-18-01	T0-14
325	2/5/98	WDI-VW50-35-01	T0-14
326	2/5/98	WDI-VW50-35-01	T0-14
327	2/5/98	WDI-VW32-8-01	T0-14
328	2/5/98	WDI-VW32-8-01	T0-14
329	2/5/98	WDI-VW32-18-01	T0-14
330	2/5/98	WDI-VW32-18-01	T0-14
331	2/5/98	WDI-VW32-35-01	T0-14
332	2/5/98	WDI-VW32-35-01	T0-14
333	2/5/98	WDI-VW25-35-01	T0-14
334	2/5/98	WDI-VW25-35-01	T0-14
335	2/5/98	WDI-VWFD25-35-(	T0-14
336	2/5/98	WDI-VWFD25-35-(	T0-14
337	2/5/98	WDI-VWFD25-35-(	T0-14
338	2/5/98	WDI-VWFB25-35-(	T0-14
339	2/5/98	WDI-VW26-35-01	T0-14
340	2/5/98	WDI-VW26-35-01	T0-14
341	2/5/98	WDI-VW31-10-01	T0-14
342	2/5/98	WDI-VW31-10-01	T0-14
343	2/5/98	WDI-VW31-10-01	T0-14
344	2/5/98	WDI-VW31-10-01	T0-14
345	2/5/98	WDI-VW31-30-01	T0-14
346	2/5/98	WDI-VW31-30-01	T0-14
347	2/5/98	WDI-VW12-34-01	T0-14
348	2/5/98	WDI-VW12-34-01	T0-14
349	2/5/98	WDI-VW24-35-01	T0-14
350	2/5/98	WDI-VW24-35-01	T0-14
351	2/5/98	WDI-VW23-36-01	T0-14
352	2/5/98	WDI-VW23-36-01	T0-14
353	2/5/98	WDI-VW33-10-01	T0-14
354	2/5/98	WDI-VW33-10-01	T0-14
355	2/5/98	WDI-VW33-35-01	T0-14
356	2/5/98	WDI-VW33-35-01	T0-14
357	N/A	N/A	T0-14
358	N/A	N/A	T0-14
359	N/A	N/A	T0-14
360	N/A	N/A	T0-14
361	CHAIN OF CUSTODY RECORD		
362	CHAIN OF CUSTODY RECORD		
363	LABORATORY REPORT		
364			
365	RESULTS OF METHANE AND TOTAL GASEOUS NON METHANE ORGANIC ANALYSIS		
366	2/5/98	WDI	GC/TCD
367	2/5/98	WDI-VW50-8-01	25C
368	2/5/98	WDI-VW50-18-01	25C
369	2/5/98	WDI-VW50-18-01	25C
370	2/5/98	WDI-VW50-35-01	25C
371	2/5/98	WDI-VW32-8-01	25C
372	2/5/98	WDI-VW32-18-01	25C

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Appendix File C

TIF File No.	Date Sampled	Well I.D. No.	EPA Analysis Method
373	2/5/98	WDI-VW32-35-01	25C
374	2/5/98	WDI-VW32-35-01	25C
375	2/5/98	WDI-VW25-35-01	25C
376	2/5/98	WDI-VW25-35-01	25C
377	2/5/98	WDI-VW25-35-01	25C
378	2/5/98	WDI-VW26-35-01	25C
379	2/5/98	WDI-VW31-10-01	25C
380	2/5/98	WDI-VW31-30-01	25C
381	2/5/98	WDI-VW12-34-01	25C
382	2/5/98	WDI-VW12-34-01	25C
383	2/5/98	WDI-VW24-35-01	25C
384	2/5/98	WDI-VW23-36-01	25C
385	2/5/98	WDI-VW33-10-01	25C
386	2/5/98	WDI-VW33-35-01	25C
387	N/A	N/A	25C
388	N/A	N/A	25C
389	RAW DATA		
390	TM10CALIBRATION		
391	TM10CALIBRATION		
392	12/2/97	STD-2mL	FXGS_25C.MTH
393	12/2/97	STD-2mL	FXGS1203.M
394	12/2/97	STD-2mL	FXGS_25C.MTH
395	12/2/97	STD-1mL	FXGS1203.M
396	12/2/97	STD-500uL	FXGS_25C.MTH
397	12/2/97	STD-500uL	FXGS1203.M
398	12/2/97	STD-200uL	FXGS_25C.MTH
399	12/2/97	STD-200uL	FXGS1203.M
400	12/2/97	STD-100uL	FXGS_25C.MTH
401	12/2/97	STD-100uL	FXGS1203.M
402	12/2/97	STD-500uL	FXGS_25C.MTH
403	12/2/97	STD-500uL	FXGS1203.M
404	2/17/98	STD-500uL	3C_1297.M
405	2/17/98	STD-500uL	3C_1297.M
406	2/17/98	MB-1mL	3C_1297.M
407	2/17/98	MB-1mL	3C_1297.M
408	2/17/98	0208-007-100uL	3C_1297.M
409	2/17/98	0208-007-100uL	3C_1297.M
410	2/17/98	0208-008-100uL	3C_1297.M
411	2/17/98	0208-008-100uL	3C_1297.M
412	2/17/98	STD-500uL	3C_1297.M
413	2/17/98	STD-500uL	3C_1297.M
414	TM10CALIBRATION		
415	TM10CALIBRATION		
416	TM10CALIBRATION		
417	12/8/97	5000ppmC STD-1	25_11297.M
418	12/8/97	5000ppmC STD-1	25_11297.M
419	12/8/97	625ppmC STD1	25_11297.M
420	12/8/97	625ppmC STD1	25_11297.M
421	12/8/97	50ppmc STD-1	25_11297.M
422	12/8/97	50ppmc STD-1	25_11297.M
423	12/8/97	STD-6.25ppm-1	25_11297.M
424	12/8/97	STD-6.25ppm-1	25_11297.M
425	2/17/98	STD-50ppM	25_11297.M

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Appendix File C

TIF File No.	Date Sampled	Well I.D. No.	EPA Analysis Method
426	2/17/98	STD-50ppM	25_11297.M
427	2/17/98	MB-NL	25_11297.M
428	2/17/98	MB-NL	25_11297.M
429	2/17/98	0208-001-NL-V	25_11297.M
430	2/17/98	0208-001-NL-V	25_11297.M
431	2/17/98	0208-002-NL-V	25_11297.M
432	2/17/98	0208-002-NL-V	25_11297.M
433	2/17/98	0208-002-NL-V-DP	25_11297.M
434	2/17/98	0208-002-NL-V-DP	25_11297.M
435	2/17/98	0208-003-NL-V	25_11297.M
436	2/17/98	0208-003-NL-V	25_11297.M
437	2/17/98	0208-004-NL-V	25_11297.M
438	2/17/98	0208-004-NL-V	25_11297.M
439	2/17/98	0208-005-NL-V	25_11297.M
440	2/17/98	0208-005-NL-V	25_11297.M
441	2/17/98	0208-006-NL-V-DP	25_11297.M
442	2/17/98	0208-006-NL-V	25_11297.M
443	2/17/98	0208-007-SL-V	25_11297.M
444	2/17/98	0208-007-SL-V	25_11297.M
445	2/17/98	0208-008-NL-V	25_11297.M
446	2/17/98	0208-008-NL-V	25_11297.M
447	2/17/98	0208-009-NL-V	25_11297.M
448	2/17/98	0208-009-NL-V	25_11297.M
449	2/17/98	0208-010-NL-V	25_11297.M
450	2/17/98	0208-010-NL-V	25_11297.M
451	2/17/98	0208-011-NL-V	25_11297.M
452	2/17/98	0208-011-NL-V	25_11297.M
453	2/17/98	0208-012-NL-V	25_11297.M
454	2/17/98	0208-012-NL-V	25_11297.M
455	2/17/98	STD-50ppm	25_11297.M
456	2/17/98	STD-50ppm	25_11297.M
457	2/19/98	STD-50ppm	25_11297.M
458	2/19/98	STD-50ppm	25_11297.M
459	2/19/98	MB-NL	25_11297.M
460	2/19/98	MB-NL	25_11297.M
461	2/19/98	0208-013-NL-V	25_11297.M
462	2/19/98	0208-013-NL-V	25_11297.M
463	2/19/98	0208-014-NL-V	25_11297.M
464	2/19/98	0208-014-NL-V	25_11297.M
465	2/19/98	0208-015-NL-V	25_11297.M
466	2/19/98	0208-015-NL-V	25_11297.M
467	2/19/98	0208-013-NL-V-DP	25_11297.M
468	2/19/98	0208-013-NL-V-DP	25_11297.M
469	2/19/98	0208-015-SL-V	25_11297.M
470	2/19/98	0208-015-SL-V	25_11297.M
471	2/19/98	0208-016-NL-V	25_11297.M
472	2/19/98	0208-016-NL-V	25_11297.M
473	2/19/98	0208-017-NL-V	25_11297.M
474	2/19/98	0208-017-NL-V	25_11297.M
475	2/20/98	STD-50ppm	25_11297.M
476	2/20/98	STD-50ppm	25_11297.M
477	2/24/98	VOC WDI-VW50-8	T015.M
478 RESULTS OF VOLATILE ORGANIC ANALYSIS			

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Appendix File C

TIF File No.	Date Sampled	Well I.D. No.	EPA Analysis Method
479	2/5/98	WDI-VW50-8-01	T0-14
480	2/5/98	WDI-VW50-8-01	T0-14
481	2/23/98	VOC WDI-VW50-8	T015
482	2/23/98	VOC WDI-VW50-8	T015.M
483	2/23/98	VOC WDI-VW50-8	T015.M
484	2/24/98	VOC WDI-VW50-8	T015
485	2/24/98	VOC WDI-VW50-8	T015.M
486	2/5/98	WDI-VW50-18-01	T0-14
487	2/5/98	WDI-VW50-18-01	T0-14
488	2/23/98	VOC WDI-VW50-1	T015
489	2/23/98	VOC WDI-VW50-1	T015.M
490	2/23/98	VOC WDI-VW50-1	T015.M
491	2/5/98	WDI-VW50-18-01	T0-14
492	2/5/98	WDI-VW50-18-01	T0-14
493	2/23/98	VOC WDI-VW50-1	T015
494	2/23/98	VOC WDI-VW50-1	T015.M
495	2/23/98	VOC WDI-VW50-1	T015.M
496	2/5/98	WDI-VW50-35-01	T0-14
497	2/5/98	WDI-VW50-35-01	T0-14
498	2/23/98	VOC WDI-VW50-3	T015
499	2/23/98	VOC WDI-VW50-3	T015.M
500	2/23/98	VOC WDI-VW50-3	T015.M
501	2/5/98	WDI-VW32-8-01	T0-14
502	2/5/98	WDI-VW32-8-01	T0-14
503	2/24/98	VOC WDI-VW32-8	T015
504	2/24/98	VOC WDI-VW32-8	T015.M
505	2/24/98	VOC WDI-VW32-8	T015.M
506	2/5/98	WDI-VW32-18-01	T0-14
507	2/5/98	WDI-VW32-18-01	T0-14
508	2/24/98	VOC WDI-VW32-8	T015
509	2/24/98	VOC WDI-VW32-8	T015.M
510	2/24/98	VOC WDI-VW32-8	T015.M
511	2/5/98	WDI-VW32-35-01	T0-14
512	2/5/98	WDI-VW32-35-01	T0-14
513	2/23/98	VOC WDI-VW32-3	T015
514	2/23/98	VOC WDI-VW32-3	T015.M
515	2/23/98	VOC WDI-VW32-3	T015.M
516	2/5/98	WDI-VW25-35-01	T0-14
517	2/5/98	WDI-VW25-35-01	T0-14
518	2/23/98	VOC WDI-VW25-3	T015
519	2/23/98	VOC WDI-VW25-3	T015.M
520	2/23/98	VOC WDI-VW25-3	T015.M
521	2/5/98	WDI-VW25-35-01	T0-14
522	2/5/98	WDI-VW25-35-01	T0-14
523	2/24/98	VOC WDI-VWFD2	T015
524	2/24/98	VOC WDI-VWFD2	T015.M
525	2/24/98	VOC WDI-VWFD2	T015.M
526	2/5/98	WDI-VW2FD25-35	T0-14
527	2/5/98	WDI-VW2FD25-35	T0-14
528	2/23/98	VOC WDI-VWFB2	T015
529	2/23/98	VOC WDI-VW25-3	T015.M
530	2/23/98	VOC WDI-VW25-3	T015.M
531	2/5/98	WDI-VW26-35-01	T0-14

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Appendix File C

TIF File No.	Date Sampled	Well I.D. No.	EPA Analysis Method
532	2/5/98	WDI-VW26-35-01	T0-14
533	2/24/98	VOC WDI-VW26-3	T015
534	2/24/98	VOC WDI-VW26-3	T015.M
535	2/24/98	VOC WDI-VW26-3	T015.M
536	2/24/98	VOC WDI-VW26-3	T015
537	2/24/98	VOC WDI-VW26-3	T015.M
538	2/24/98	VOC WDI-VW26-3	T015.M
539	2/5/98	WDI-VW31-10-01	T0-14
540	2/5/98	WDI-VW31-10-01	T0-14
541	2/24/98	VOC WDI-VW31-1	T015
542	2/24/98	VOC WDI-VW31-1	T015.M
543	2/24/98	VOC WDI-VW31-1	T015.M
544	2/24/98	VOC WDI-VW31-1	T015
545	2/24/98	VOC WDI-VW31-1	T015.M
546	2/24/98	VOC WDI-VW31-1	T015.M
547	2/5/98	WDI-VW31-10-01	T0-14
548	2/5/98	WDI-VW31-10-01	T0-14
549	2/24/98	VOC WDI-VW31-1	T015
550	2/24/98	VOC WDI-VW31-1	T015.M
551	2/24/98	VOC WDI-VW31-1	T015.M
552	2/24/98	VOC WDI-VW31-1	T015
553	2/24/98	VOC WDI-VW31-1	T015.M
554	2/24/98	VOC WDI-VW31-1	T015.M
555	2/5/98	WDI-VW31-10-01	T0-14
556	2/5/98	WDI-VW31-10-01	T0-14
557	2/24/98	VOC WDI-VW31-1	T015
558	2/24/98	VOC WDI-VW31-1	T015.M
559	2/24/98	VOC WDI-VW31-1	T015.M
560	2/24/98	VOC WDI-VW31-1	T015
561	2/24/98	VOC WDI-VW31-1	T015.M
562	2/24/98	VOC WDI-VW31-1	T015.M
563	2/5/98	WDI-VW12-34-01	T0-14
564	2/5/98	WDI-VW12-34-01	T0-14
565	2/24/98	VOC WDI-VW12-3	T015
566	2/24/98	VOC WDI-VW12-3	T015.M
567	2/24/98	VOC WDI-VW12-3	T015.M
568	2/24/98	VOC WDI-VW12-3	T015
569	2/24/98	VOC WDI-VW12-3	T015.M
570	2/24/98	VOC WDI-VW12-3	T015.M
571	2/5/98	WDI-VW24-35-01	T0-14
572	2/5/98	WDI-VW24-35-01	T0-14
573	2/24/98	VOC WDI-VW24-3	T015
574	2/24/98	VOC WDI-VW24-3	T015.M
575	2/24/98	VOC WDI-VW24-3	T015.M
576	2/5/98	WDI-VW23-36-01	T0-14
577	2/5/98	WDI-VW23-36-01	T0-14
578	2/24/98	VOC WDI-VW23-3	T015
579	2/24/98	VOC WDI-VW23-3	T015.M
580	2/24/98	VOC WDI-VW23-3	T015.M
581	2/24/98	VOC WDI-VW23-3	T015
582	2/24/98	VOC WDI-VW23-3	T015.M
583	2/24/98	VOC WDI-VW23-3	T015.M
584	2/5/98	WDI-VW33-10-01	T0-14

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TIF File No.	Date Sampled	Well I.D. No.	EPA Analysis Method
585	2/5/98	WDI-VW33-10-01	T0-14
586	2/24/98	VOC WDI-VW33	T015
587	2/24/98	VOC WDI-VW33-1	T015.M
588	2/24/98	VOC WDI-VW33-1	T015.M
589	2/24/98	VOC WDI-VW33	T015
590	2/24/98	VOC WDI-VW33-1	T015.M
591	2/24/98	VOC WDI-VW33-1	T015.M
592	2/5/98	WDI-VW33-35-01	T0-14
593	2/5/98	WDI-VW33-35-01	T0-14
594	2/24/98	VOC WDI-VW33-3	T015
595	2/24/98	VOC WDI-VW33-3	T015.M
596	2/24/98	VOC WDI-VW33-3	T015.M
597	2/24/98	VOC WDI-VW33-3	T015
598	2/24/98	VOC WDI-VW33-3	T015.M
599	2/24/98	VOC WDI-VW33-3	T015.M
600	N/A	N/A	T0-14
601	N/A	N/A	T0-14
602	2/24/98	T0-15	T015
603	2/24/98	T0-15	T015.M
604	2/23/98	T0-15	T015.M
605	N/A	N/A	T0-14
606	N/A	N/A	T0-14
607	2/24/98	T0-15	T015
608	2/24/98	T0-15	T015.M
609	2/24/98	T0-15	T015.M
610	SURROGATE SPIKE RECOVERY RESULTS		
611	2/5/98	WDI #94-256	T0-14
612	QCCS RESULTS		
613	N/A	WDI #94-256	T0-14
614	2/19/98	25 ng T0-15 QCCS	T015
615	2/19/98	25 ng T0-15 QCCS	T015.M
616	2/19/98	25 ng T0-15 QCCS	T015.M
617	INITIAL CALIBRATON STANDARDS		
618	TM10CALIBRATION		
619	TM10CALIBRATION		
620	2/19/98	25 ng T0-15 STANI	T015
621	2/19/98	25 ng T0-15 STANI	T015.M
622	2/19/98	25 ng T0-15 STANI	T015.M
623	2/19/98	100 ng T0-15 STAN	T015
624	2/19/98	100 ng T0-15 STAN	T015.M
625	2/19/98	100 ng T0-15 STAN	T015.M
626	2/18/98	5 ng T0-15 STAND.	T015
627	2/18/98	5 ng T0-15 STAND.	T015.M
628	2/18/98	5 ng T0-15 STAND.	T015.M
629	2/18/98	10 ng T0-15 STANI	T015
630	2/18/98	10 ng T0-15 STANI	T015.M
631	2/18/98	10 ng T0-15 STANI	T015.M
632	2/19/98	50 ng T0-15 STANI	T015
633	2/19/98	50 ng T0-15 STANI	T015.M
634	2/19/98	50 ng T0-15 STANI	T015.M
635	CONTINUING CALIBRATION STANDARDS		
636	2/23/98	25 ng T0-15 STANI	T015.M
637	2/23/98	25 ng T0-15 STANI	T015.M

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TIF File No.	Date Sampled	Well I.D. No.	EPA Analysis Method
638	2/23/98	25 ng T0-15 STANI	T015
639	2/23/98	25 ng T0-15 STANI	T015.M
640	2/23/98	25 ng T0-15 STANI	T015.M
641	2/24/98	25 ng T0-15 STANI	T015.M
642	2/24/98	25 ng T0-15 STANI	T015.M
643	2/24/98	25 ng T0-15 STANI	T015
644	2/24/98	25 ng T0-15 STANI	T015.M
645	2/24/98	25 ng T0-15 STANI	T015.M
646	BFB TUNING & MASS CALIBRATION		
647	2/18/98	10 ng T0-15 STANI	T01543.M
648	2/19/98	25 ng T0-15 STANI	T01543.M
649	2/23/98	25 ng T0-15 STANI	T015.M
650	2/24/98	25 ng T0-15 STANI	T015.M
651	CHAIN OF CUSTODY RECORDS		
652	CHAIN OF CUSTODY RECORDS		
653	CHAIN OF CUSTODY RECORDS		
654	FED VAPOR WELL		
655	LABORATORY REPORT		
656	RESULTS OF MATHANE AND TOTAL GASEOUS		
657	2/6/98	WDI-VW23-36-01	25C
658	2/6/98	WDI-VW11-35-01	25C
659	2/6/98	WDI-VW17-36-01	25C
660	2/6/98	WDI-VW17-35-01	25C
661	2/6/98	WDI-VW17-35-01	25C
662	N/A	N/A	25C
663	RAW DATA		
664	TM10CALIBRATION		
665	TM10CALIBRATION		
666	12/8/97	5000ppmC STD-1	25_11297.M
667	12/8/97	5000ppmC STD-1	25_11297.M
668	12/8/97	625 ppmC STD-1	25_11297.M
669	12/8/97	625 ppmC STD-1	25_11297.M
670	12/8/97	50ppmC STD-1	25_11297.M
671	12/8/97	50ppmC STD-1	25_11297.M
672	12/8/97	STD-6.25ppm-1	25_11297.M
673	12/8/97	STD-6.25ppm-1	25_11297.M
674	2/19/98	STD-50ppm	25_11297.M
675	2/19/98	STD-50ppm	25_11297.M
676	2/19/98	MB-NL	25_11297.M
677	2/19/98	MB-NL	25_11297.M
678	2/19/98	0209-001-NL-V	25_11297.M
679	2/19/98	0209-001-NL-V	25_11297.M
680	2/19/98	0209-002-NL-V	25_11297.M
681	2/19/98	0209-002-NL-V	25_11297.M
682	2/19/98	0209-002-SL-V	25_11297.M
683	2/19/98	0209-002-SL-V	25_11297.M
684	2/19/98	0209-003-NL-V	25_11297.M
685	2/19/98	0209-003-NL-V	25_11297.M
686	2/19/98	0209-003-SL-V	25_11297.M
687	2/19/98	0209-003-SL-V	25_11297.M
688	2/19/98	0209-004-NL-V	25_11297.M
689	2/19/98	0209-004-NL-V	25_11297.M
690	2/19/98	0209-004-NL-V	25_11297.M

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TIF File No.	Date Sampled	Well I.D. No.	EPA Analysis Method
691	2/19/98	0209-004-NL-V	25_11297.M
692	2/20/98	STD-50ppm	25_11297.M
693	2/20/98	STD-50ppm	25_11297.M
694	RESULTS OF VOLATILE ORGANIC ANALYSIS		
695	2/6/98	WDI-VW21-36-01	T0-14
696	2/6/98	WDI-VW21-36-01	T0-14
697	2/24/98	VOC WDI-VW21-3	FCT014B
698	2/24/98	VOC WDI-VW21-36-01	
699	2/24/98	VOC WDI-VW21-36-01	
700	2/24/98	VOC WDI-VW21-36-01	
701	2/25/98	VOC WDI-VW21-3	FCT014B
702	2/25/98	VOC WDI-VW21-36-01	
703	2/25/98	VOC WDI-VW21-36-01	
704	2/25/98	VOC WDI-VW21-36-01	
705	2/6/98	WDI-VW11-35-01	T0-14
706	2/6/98	WDI-VW11-35-01	T0-14
707	2/24/98	VOC WDI-VW11-3	FCT014B
708	2/24/98	VOC WDI-VW11-35-01	
709	2/24/98	VOC WDI-VW11-35-01	
710	2/24/98	VOC WDI-VW11-35-01	
711	2/6/98	WDI-VW11-35-01	T0-14
712	2/6/98	WDI-VW11-35-01	T0-14
713	2/25/98	VOC WDI-VW11-3	FCT014B
714	2/25/98	VOC WDI-VW11-35-01	
715	2/25/98	VOC WDI-VW11-35-01	
716	2/25/98	VOC WDI-VW11-35-01	
717	2/6/98	WDI-VW18-36-01	T0-14
718	2/6/98	WDI-VW18-36-01	T0-14
719	2/24/98	VOC WDI-VW18-3	FCT014B
720	2/24/98	VOC WDI-VW18-36-01	
721	2/24/98	VOC WDI-VW18-36-01	
722	2/24/98	VOC WDI-VW18-36-01	
723	2/6/98	WDI-VW17-35-01	T0-14
724	2/6/98	WDI-VW17-35-01	T0-14
725	2/24/98	VOC WDI-VW17-3	FCT014B
726	2/24/98	VOC WDI-VW17-35-01	
727	2/24/98	VOC WDI-VW17-35-01	
728	2/24/98	VOC WDI-VW17-35-01	
729	2/25/98	VOC WDI-VW17-3	FCT014B
730	2/25/98	VOC WDI-VW17-35-01	
731	2/25/98	VOC WDI-VW17-35-01	
732	2/25/98	VOC WDI-VW17-35-01	
733	N/A	N/A	T0-14
734	N/A	N/A	T0-14
735	2/24/98	METHOD BLANK	FCT014B
736	2/24/98	METHOD BLANK	
737	2/24/98	METHOD BLANK	
738	2/24/98	METHOD BLANK	
739	N/A	N/A	T0-14
740	N/A	N/A	T0-14
741	2/25/98	METHOD BLANK	FCT014B
742	2/25/98	METHOD BLANK	
743	2/25/98	METHOD BLANK	

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TIF File No.	Date Sampled	Well I.D. No.	EPA Analysis Method
744	2/25/98	METHOD BLANK	
745	SURROGATE SPIKE RECOVERY RESULTS		
746	2/6/98	WDI-#94-256	T0-14
747	QCCS RESULTS		
748	NN	WDI-#94-256	T0-14
749	2/24/98	50 NG QCCS	FCT014B
750	2/24/98	50 NG QCCS	
751	2/24/98	50 NG QCCS	
752	2/24/98	50 NG QCCS	
753	INITIAL CALIBRATION STANDARDS		
754	2/18/98	50 NG T0-14 STD	
755	2/18/98	50 NG T0-14 STD	
756	2/18/98	100 NG T0-14 STD	FCT014B
757	2/18/98	100 NG T0-14 STD	
758	2/18/98	100 NG T0-14 STD	
759	2/18/98	100 NG T0-14 STD	
760	2/18/98	75 NG T0-14 STD	FCT014B
761	2/18/98	75 NG T0-14 STD	
762	2/18/98	75 NG T0-14 STD	
763	2/18/98	75 NG T0-14 STD	
764	2/18/98	50 NG T0-14 STD	FCT014B
765	2/18/98	50 NG T0-14 STD	
766	2/18/98	50 NG T0-14 STD	
767	2/18/98	50 NG T0-14 STD	
768	2/18/98	20 NG T0-14 STD	FCT014B
769	2/18/98	20 NG T0-14 STD	
770	2/18/98	20 NG T0-14 STD	
771	2/18/98	20 NG T0-14 STD	
772	2/18/98	10 NG T0-14 STD	FCT014B
773	2/18/98	10 NG T0-14 STD	
774	2/18/98	10 NG T0-14 STD	
775	2/18/98	10 NG T0-14 STD	
776	2/18/98	50 NG T0-14 STD	FCT014B
777	2/18/98	50 NG T0-14 STD	
778	2/18/98	50 NG T0-14 STD	
779	2/18/98	50 NG T0-14 STD	
780	CONTINUING CALIBRATION STANDARDS		
781	2/24/98	50 NG T0-14 STD	
782	2/24/98	50 NG T0-14 STD	
783	2/24/98	50 NG T0-14 STD	FCT014B
784	2/24/98	50 NG T0-14 STD	
785	2/24/98	50 NG T0-14 STD	
786	2/24/98	50 NG T0-14 STD	
787	2/24/98	50 NG T0-14 STD	
788	2/24/98	50 NG T0-14 STD	
789	2/25/98	50 NG T0-14 STD	
790	2/25/98	50 NG T0-14 STD	
791	2/25/98	50 NG T0-14 STD	
792	2/25/98	50 NG T0-14 STD	
793	BFB TUNING & MASS CALIBRATION		
794	2/18/98	100 NG T0-14 STD	FCT014B.M
795	2/24/98	50 NG T0-14 STD	FCT014B.M
796	2/25/98	50 NG T0-14 STD	FCT014B.M

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TIF File No.	Date Sampled	Well I.D. No.	EPA Analysis Method
797	CHAIN OF CUSTODY RECORDS		
798	CHAIN OF CUSTODY RECORDS		
799	LABORATORT REPORT		
800	2/6/98	WDI-VW21-36-01	25C
801	2/6/98	WDI-VW11-35-01	25C
802	2/6/98	WDI-VW18-3601	25C
803	2/6/98	WDI-VW17-35-01	25C
804	2/6/98	WDI-VW17-35-01	25C
805	N/A	N/A	25C
806	2/6/98	WDI-VW21-36-01	T0-14
807	2/6/98	WDI-VW21-36-01	T0-14
808	2/6/98	WDI-VW11-35-01	T0-14
809	2/6/98	WDI-VW11-35-01	T0-14
810	2/6/98	WDI-VW11-35-01	T0-14
811	2/6/98	WDI-VW11-35-01	T0-14
812	2/6/98	WDI-VW18-36-01	T0-14
813	2/6/98	WDI-VW18-36-01	T0-14
814	2/6/98	WDI-VW17-35-01	T0-14
815	2/6/98	WDI-VW17-35-01	T0-14
816	N/A	N/A	T0-14
817	N/A	N/A	T0-14
818	N/A	N/A	T0-14
819	N/A	N/A	T0-14
820	CHAIN OF CUSTODY RECORDS		
821	FEB P9800233		
822	LABORATORY REPORT		
823			
824	RESULTS OF METHANE AND TOTAL GASEOUS		
825	2/10/98	WDI-VWBKGRND	25C
826	2/10/98	WDI-VWBKGRND	25C
827	2/10/98	WDI-VW36-10-01	25C
828	2/10/98	WDI-VW36-30-01	25C
829	2/10/98	WDI-VW35-10-01	25C
830	2/10/98	WDI-VW35-38-01	25C
831	2/10/98	WDI-VW44-07-01	25C
832	2/10/98	WDI-VW44-16-01	25C
833	2/10/98	WDI-VW44-30-01	25C
834	2/10/98	WDI-VWFD44-30-(	25C
835	2/10/98	WDI-VWFB44-30-(	25C
836	N/A	N/A	25C
837	RAW DATA		
838	TM10CALIBRATION		
839	TM10CALIBRATION		
840	12/8/98	5000ppmC STD-1	25_11297.M
841	12/8/97	5000ppmC STD-1	25_11297.M
842	12/8/97	625 ppmC STD-1	25_11297.M
843	12/8/97	625 ppmC STD-1	25_11297.M
844	12/8/97	50ppmC STD-1	25_11297.M
845	12/8/97	50ppmC STD-1	25_11297.M
846	12/8/97	STD-6.25ppm-1	25_11297.M
847	12/8/97	STD-6.25ppm-1	25_11297.M
848	2/24/98	STD-300ppm	25_11297.M
849	2/24/98	STD-300ppm	25_11297.M

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TIF File No.	Date Sampled	Well I.D. No.	EPA Analysis Method
850	2/24/98	MB-NL	25_11297.M
851	2/24/98	MB-NL	25_11297.M
852	2/24/98	0233-001-NL-V	25_11297.M
853	2/24/98	0233-001-NL-V	25_11297.M
854	2/24/98	0233-001-NL-V-DP	25_11297.M
855	2/24/98	0233-001-NL-V-DP	25_11297.M
856	2/24/98	0233-002-NL-V	25_11297.M
857	2/24/98	0233-002-NL-V	25_11297.M
858	2/24/98	0233-003-NL-V	25_11297.M
859	2/24/98	0233-003-NL-V	25_11297.M
860	2/24/98	0233-004-NL-V	25_11297.M
861	2/24/98	0233-004-NL-V	25_11297.M
862	2/24/98	0233-005-NL-V	25_11297.M
863	2/24/98	0233-005-NL-V	25_11297.M
864	2/24/98	0233-006-NL-V	25_11297.M
865	2/24/98	0233-006-NL-V	25_11297.M
866	2/24/98	0233-007-NL-V	25_11297.M
867	2/24/98	0233-007-NL-V	25_11297.M
868	2/24/98	0233-008-NL-V	25_11297.M
869	2/24/98	0233-008-NL-V	25_11297.M
870	2/24/98	0233-009-NL-V	25_11297.M
871	2/24/98	0233-009-NL-V	25_11297.M
872	2/24/98	0233-009-SL-V	25_11297.M
873	2/24/98	0233-009-SL-V	25_11297.M
874	2/24/98	0233-008-SL-V	25_11297.M
875	2/24/98	0233-008-SL-V	25_11297.M
876	2/24/98	0233-010-NL-V	25_11297.M
877	2/24/98	0233-010-NL-V	25_11297.M
878	2/24/98	STD-300ppm	25_11297.M
879	2/24/98	STD-300ppm	25_11297.M
880	RESULTS OF VOLATILE ORGANIC ANALYSIS		
881	2/10/98	WDI-VWBKGRND	T0-14
882	2/10/98	WDI-VWBKGRND	T0-14
883	3/9/98	TRC WDI-VWBKC	FCT014B
884	3/9/98	TRC WDI-VWBKGRN	
885	3/9/98	TRC WDI-VWBKGRN	
886	3/9/98	TRC WDI-VWBKGRN	
887	2/10/98	WDI-VWBKGRND	T0-14
888	2/10/98	WDI-VWBKGRND	T0-14
889	3/9/98	TRC WDI-VWBKC	FCT014B
890	3/9/98	TRC WDI-VWBKGRN	
891	3/9/98	TRC WDI-VWBKGRN	
892	3/9/98	TRC WDI-VWBKGRN	
893	2/10/98	WDI-VW36-10-01	T0-14
894	2/10/98	WDI-VW36-10-01	T0-14
895	3/9/98	TRC WDI-VW36-1	FCT014B
896	3/9/98	TRC WDI-VW36-10-01	
897	3/9/98	TRC WDI-VW36-10-01	
898	3/9/98	TRC WDI-VW36-10-01	
899	2/10/98	WDI-VW36-30-01	T0-14
900	2/10/98	WDI-VW36-30-01	T0-14
901	3/10/98	TRC WDI-VW36-3	FCT014B
902	3/10/98	TRC WDI-VW36-30-01	

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TIF File No.	Date Sampled	Well I.D. No.	EPA Analysis Method
903	3/10/98	TRC WDI-VW36-30-01	
904	3/10/98	TRC WDI-VW36-30-01	
905	2/10/98	WDI-VW35-10-01	T0-14
906	2/10/98	WDI-VW35-10-01	T0-14
907	3/10/98	TRC WDI-VW35-1	FCT014B
908	3/10/98	TRC WDI-VW35-10-01	
909	3/10/98	TRC WDI-VW35-10-01	
910	3/10/98	TRC WDI-VW35-10-01	
911	2/10/98	WDI-VW35-38-01	T0-14
912	2/10/98	WDI-VW35-38-01	T0-14
913	3/10/98	TRC WDI-VW35-3	FCT014B
914	3/10/98	TRC WDI-VW35-38-01	
915	3/10/98	TRC WDI-VW35-38-01	
916	3/10/98	TRC WDI-VW35-38-01	
917	2/10/98	WDI-VW44-07-01	T0-14
918	2/10/98	WDI-VW44-07-01	T0-14
919	3/10/98	TRC WDI-VW44-0	FCT014B
920	3/10/98	TRC WDI-VW44-07-01	
921	3/10/98	TRC WDI-VW44-07-01	
922	3/10/98	TRC WDI-VW44-07-01	
923	3/10/98	TRC WDI-VW44-0	FCT014B
924	3/10/98	TRC WDI-VW44-07-01	
925	3/10/98	TRC WDI-VW44-07-01	
926	3/10/98	TRC WDI-VW44-07-01	
927	2/10/98	WDI-VW44-16-01	T0-14
928	2/10/98	WDI-VW44-16-01	T0-14
929	3/10/98	TRC WDI-VW44-1	FCT014B
930	3/10/98	TRC WDI-VW44-16-01	
931	3/10/98	TRC WDI-VW44-16-01	
932	3/10/98	TRC WDI-VW44-16-01	
933	2/10/98	WDI-VW44-30-01	T0-14
934	2/10/98	WDI0VW44-30-01	T0-14
935	3/16/98	TRC WDI-VW44-3	FCT014B
936	3/16/98	TRC WDI-VW44-30-01	
937	3/16/98	TRC WDI-VW44-30-01	
938	3/16/98	TRC WDI-VW44-30-01	
939	2/10/98	WDI-VWFD44-30-	T0-14
940	2/10/98	WDI-VWFD44-30-	T0-14
941	3/16/98	TRC WDI-VWFD4	FCT014B
942	3/16/98	TRC WDI-VWFD44-30-01	
943	3/16/98	TRC WDI-VWFD44-30-01	
944	3/16/98	TRC WDI-VWFD44-30-01	
945	2/10/98	WDI-VWFB44-30-	T0-14
946	2/10/98	WDI-VWFB44-30-	T0-14
947	3/12/98	TRC WDI-VWFB4	FCT014B
948	3/12/98	TRC WDI-VWFB44-30-01	
949	3/12/98	TRC WDI-VWFB44-30-01	
950	3/12/98	TRC WDI-VWFB44-30-01	
951	N/A	N/A	T0-14
952	N/A	N/A	T0-14
953	3/9/98	METHOD BLANK	FCT014B
954	3/9/98	METHOD BLANK	
955	3/9/98	METHOD BLANK	

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TIF File No.	Date Sampled	Well I.D. No.	EPA Analysis Method
956	3/9/98	METHOD BLANK	
957	N/A	N/A	T0-14
958	N/A	N/A	T0-14
959	3/12/98	METHOD BLANK	FCT014B
960	3/12/98	METHOD BLANK	
961	3/12/98	METHOD BLANK	
962	3/12/98	METHOD BLANK	
963	N/A	N/A	T0-14
964	N/A	N/A	T0-14
965	3/16/98	METHOD BLANK	FCT014B
966	3/16/98	METHOD BLANK	
967	3/16/98	METHOD BLANK	
968	3/16/98	METHOD BLANK	
969	SURROGATE SPIKE RECOVERY RESULTS		
970	2/10/98	WDI #94-256	T0-14
971	QCCS RESULTS		
972	N/A	WDI #94-256	T0-14
973	3/5/98	50 NG QCCS	FCT014B
974	3/5/98	50 NG QCCS	
975	3/5/98	50 NG QCCS	
976	3/5/98	50 NG QCCS	
977	INITIAL CALIBRATION STANDARDS		
978	3/5/98	50 NG T0-14 STD	
979	3/5/98	50 NG T0-14 STD	
980	3/5/98	50 NG T0-14 STD	FCT014B
981	3/5/98	50 NG T0-14 STD	
982	3/5/98	50 NG T0-14 STD	
983	3/5/98	50 NG T0-14 STD	
984	3/5/98	100 NG T0-14 STD	FCT014B
985	3/5/98	100 NG T0-14 STD	
986	3/5/98	100 NG T0-14 STD	
987	3/5/98	100 NG T0-14 STD	
988	3/5/98	75 NG T0-14 STD	FCT014B
989	3/5/98	75 NG T0-14 STD	
990	3/5/98	75 NG T0-14 STD	
991	3/5/98	75 NG T0-14 STD	
992	3/5/98	20 NG T0-14 STD	FCT014B
993	3/5/98	20 NG T0-14 STD	
994	3/5/98	20 NG T0-14 STD	
995	3/5/98	20 NG T0-14 STD	
996	3/5/98	10 NG T0-14 STD	FCT014B
997	3/5/98	10 NG T0-14 STD	
998	3/5/98	10 NG T0-14 STD	
999	3/5/98	10 NG T0-14 STD	
1000	3/5/98	5 NG T0-14 STD	FCT014B
1001	3/5/98	5 NG T0-14 STD	
1002	3/5/98	5 NG T0-14 STD	
1003	3/5/98	5 NG T0-14 STD	
1004	CONTINUING CALIBRATION STANDARDS		
1005	3/9/98	50 NG T0-14 STD	
1006	3/9/98	50 NG T0-14 STD	
1007	3/9/98	50 NG T0-14 STD	FCT014B
1008	3/9/98	50 NG T0-14 STD	

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TIF File No.	Date Sampled	Well I.D. No.	EPA Analysis Method
1009	3/9/98	50 NG T0-14 STD	
1010	3/9/98	50 NG T0-14 STD	
1011	3/12/98	50 NG T0-14 STD	
1012	3/12/98	50 NG T0-14 STD	
1013	3/12/98	50 NG T0-14 STD	FCT014B
1014	3/12/98	50 NG T0-14 STD	
1015	3/12/98	50 NG T0-14 STD	
1016	3/12/98	50 NG T0-14 STD	
1017	3/16/98	50 NG T0-14 STD	
1018	3/16/98	50 NG T0-14 STD	
1019	3/16/98	50 NG T0-14 STD	FCT014B
1020	3/16/98	50 NG T0-14 STD	
1021	3/16/98	50 NG T0-14 STD	
1022	BFB TUNING & MASS CALIBRATION		
1023	3/5/98	50 NG T0-14 STD	FCT014B.M
1024	3/9/98	50 NG T0-14 STD	FCT014B.M
1025	3/12/98	50 NG T0-14 STD	FCT014B.M
1026	3/16/98	50 NG T0-14 STD	FCT014B.M
1027	CHAIN OF CUSTODY RECORDS		
1028	CHAIN OF CUSTODY RECORDS		
1029	LABORATORY REPORT		
1030			
1031	RESULTS OF METHANE AND TOTAL GASEOUS		
1032	2/12/98	WDI-VW14-35-01	25C
1033	2/12/98	WDI-VW02-35-01	25C
1034	2/12/98	WDI-VW05-29-01	25C
1035	2/12/98	WDI-VWFD05-29-(	25C
1036	2/12/98	WDI-VW08-35-01	25C
1037	2/12/98	WDI-VW47-18-01	25C
1038	2/12/98	WDI-VW47-30-01	25C
1039	2/12/98	WDI-VW13-31-01	25C
1040	2/12/98	WDI-VW01-35-01	25C
1041	2/12/98	WDI-VWFB01-35-(	25C
1042	N/A	N/A	25C
1043	RAW DATA		
1044	TM10CALIBRATION		
1045	TM10CALIBRATION		
1046	12/8/97	5000ppmC STD-1	25_11297.M
1047	12/8/97	5000ppmC STD-1	25_11297.M
1048	12/8/97	625 ppmC STD-1	25_11297.M
1049	12/8/97	625 ppmC STD-1	25_11297.M
1050	12/8/97	50ppmC STD-1	25_11297.M
1051	12/8/97	50ppmC STD-1	25_11297.M
1052	FEB VAPOR WELL		
1053	LABORATORY REPORT		
1054	RAW DATA		
1055			
1056	RESULTS OF METHANE AND TOTAL GASEOUS		
1057	2/9/98	WDI-VW22-35-01	25C
1058	2/9/98	WDI-VW22-35-01	25C
1059	2/9/98	WDI-VW20-35-01	25C
1060	2/9/98	WDI-VW49-10-01	25C
1061	2/9/98	WDI-VWFD49-10-(	25C

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TIF File No.	Date Sampled	Well I.D. No.	EPA Analysis Method
1062	2/9/98	WDI-VW49-18-01	25C
1063	2/9/98	WDI-VW49-30-01	25C
1064	2/9/98	WDI-VWFB49-30-(	25C
1065	2/10/98	WDI-VW10-35-01	25C
1066	2/10/98	WDI-VW16-34-01	25C
1067	2/10/98	WDI-VW06-34-01	25C
1068	N/A	N/A	25C
1069	TM10CALIBRATION		
1070	TM10CALIBRATION		
1071	12/8/97	5000ppmC STD-1	25_11297.M
1072	12/8/97	5000ppmC STD-1	25_11297.M
1073	12/8/97	625 ppmC STD-1	25_11297.M
1074	2/20/98	0225-002-NL-V	25_11297.M
1075	12/8/97	625 ppmC STD-1	25_11297.M
1076	12/8/97	50ppmC STD-1	25_11297.M
1077	12/8/97	50ppmC STD-1	25_11297.M
1078	12/8/97	STD-6.25ppm-1	25_11297.M
1079	12/8/97	STD-6.25ppm-1	25_11297.M
1080	2/20/98	STD-50ppm	25_11297.M
1081	2/20/98	STD-50ppm	25_11297.M
1082	2/20/98	MB-NL	25_11297.M
1083	2/20/98	MB-NL	25_11297.M
1084	2/20/98	0225-001-NL-V	25_11297.M
1085	2/20/98	0225-001-NL-V	25_11297.M
1086	2/20/98	0225-001-NL-V-DP	25_11297.M
1087	2/20/98	0225-001-NL-V-DP	25_11297.M
1088	2/20/98	0225-002-NL-V	25_11297.M
1089	2/20/98	0225-003-NL-V	25_11297.M
1090	2/20/98	0225-003-NL-V	25_11297.M
1091	2/20/98	0225-004-NL-V	25_11297.M
1092	2/20/98	0225-004-NL-V	25_11297.M
1093	2/20/98	0225-005-NL-V	25_11297.M
1094	2/20/98	0225-005-NL-V	25_11297.M
1095	2/20/98	0225-006-NL-V	25_11297.M
1096	2/20/98	0225-006-NL-V	25_11297.M
1097	2/20/98	0225-007-NL-V	25_11297.M
1098	2/20/98	0225-007-NL-V	25_11297.M
1099	2/20/98	0225-008-NL-V	25_11297.M
1100	2/20/98	0225-008-NL-V	25_11297.M
1101	2/20/98	0225-008-SL-V	25_11297.M
1102	2/20/98	0225-008-SL-V	25_11297.M
1103	2/20/98	0225-009-NL-V	25_11297.M
1104	2/20/98	0225-009-NL-V	25_11297.M
1105	2/20/98	0225-010-NL-V	25_11297.M
1106	2/20/98	0225-010-NL-V	25_11297.M
1107	2/20/98	STD-50ppm	25_11297.M
1108	2/20/98	STD-50ppm	25_11297.M
1109	RESULTS OF VOLATILE ORGANIC ANALYSIS		
1110	2/9/98	WDI-VW22-35-01	T0-14
1111	2/9/98	WDI-VW22-35-01	T0-14
1112	3/10/98	TRC WDI-VW22-3.	T015
1113	3/10/98	TRC WDI-VW22-3.	T015.M
1114	3/10/98	TRC WDI-VW22-3.	T015.M

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TIF File No.	Date Sampled	Well I.D. No.	EPA Analysis Method
1115	3/12/98	TRC WDI-VW22-3.	T015
1116	3/12/98	TRC WDI-VW22-3.	T015.M
1117	3/12/98	TRC WDI-VW22-3.	T015.M
1118	2/9/98	WDI-VW20-35-01	T0-14
1119	2/9/98	WDI-VW20-35-01	T0-14
1120	3/10/98	TRC WDI-VW20-3.	T015
1121	3/10/98	TRC WDI-VW20-3.	T015.M
1122	3/10/98	TRC WDI-VW20-3.	T015.M
1123	3/11/98	TRC WDI-VW20-3.	T015
1124	3/11/98	TRC WDI-VW20-3.	T015.M
1125	3/11/98	TRC WDI-VW20-3.	T015.M
1126	2/9/98	WDI-VW49-10-01	T0-14
1127	2/9/98	WDI-VW49-10-01	T0-14
1128	3/10/98	TRC WDI-VW49-1	T015
1129	3/10/98	TRC WDI-VW49-1	T015.M
1130	3/10/98	TRC WDI-VW49-1	T015.M
1131	3/11/98	TRC WDI-VW49-1	T015
1132	3/11/98	TRC WDI-VW49-1	T015.M
1133	3/11/98	TRC WDI-VW49-1	T015.M
1134	2/9/98	WDI-VWFD49-10-	T0-14
1135	2/9/98	WDI-VWFD49-10-	T0-14
1136	3/10/98	TRC WDI-VWFD4	T015
1137	3/10/98	TRC WDI-VWFD4	T015.M
1138	3/10/98	TRC WDI-VWFD4	T015.M
1139	3/11/98	TRC WDI-VWFD4	T015
1140	3/11/98	TRC WDI-VWFD4	T015.M
1141	3/11/98	TRC WDI-VWFD4	T015.M
1142	2/9/98	WDI-VW49-18-01	T0-14
1143	2/1/98	WDI-VW49-18-01	T0-14
1144	3/10/98	TRC WDI-VW49-1	T015
1145	3/10/98	TRC WDI-VW49-1	T015.M
1146	3/10/98	TRC WDI-VW49-1	T015.M
1147	3/11/98	TRC WDI-VW49-1	T015
1148	3/11/98	TRC WDI-VW49-1	T015.M
1149	3/11/98	trc wdi-vw49-18-01	T015.M
1150	2/9/98	WDI-VW49-30-01	T0-14
1151	2/19/98	WDI-VW49-30-01	T0-14
1152	3/10/98	TRC WDI-VW49-3	T015
1153	3/10/98	TRC WDI-VW49-3	T015.M
1154	3/10/98	TRC WDI-VW49-3	T015.M
1155	3/12/98	TRC WDI-VW49-3	T015
1156	3/12/98	TRC WDI-VW49-3	T015.M
1157	3/12/98	TRC WDI-VW49-3	T015.M
1158	2/9/98	WDI-VWFB49-30-	T0-14
1159	2/9/98	WDI-VWFB49-30-	T0-14
1160	3/10/98	TRC WDI-VWFB4	T015
1161	3/10/98	TRC WDI-VWFB4	T015.M
1162	3/10/98	TRC WDI-VWFB4	T015.M
1163	2/10/98	WDI-VW10-35-01	T0-14
1164	2/10/98	WDI-VW10-35-01	T0-14
1165	3/10/98	TRC WDI-VW10-3.	T015
1166	3/10/98	TRC WDI-VW10-3.	T015.M
1167	3/10/98	TRC WDI-VW10-3.	T015.M

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TIF File No.	Date Sampled	Well I.D. No.	EPA Analysis Method
1168	2/10/98	WDI-VW16-34-01	T0-14
1169	2/10/98	WDI-VW16-34-01	T0-14
1170	3/10/98	TRC WDI-VW16-3	T015
1171	3/10/98	TRC WDI-VW16-3	T015.M
1172	3/10/98	TRC WDI-VW16-3	T015.M
1173	2/10/98	WDI-VW16-34-01	T0-14
1174	2/10/98	WDI-VW16-34-01	T0-14
1175	3/11/98	TRC WDI-VW16-3	T015
1176	3/11/98	TRC WDI-VW16-3	T015.M
1177	3/11/98	TRC WDI-VW16-3	T015.M
1178	2/10/98	WDI-VW06-34-01	T0-14
1179	2/10/98	WDI-VW06-34-01	T0-14
1180	3/11/98	TRC WDI-VW06-3	T015
1181	3/11/98	TRC WDI-VW06-3	T015.M
1182	3/11/98	TRC WDI-VW06-3	T015.M
1183	N/A	N/A	T0-14
1184	N/A	N/A	T0-14
1185	3/10/98	PAI CAN QC#2	T015
1186	3/10/98	PAI CAN QC#2	T015.M
1187	3/10/98	PAI CAN QC#2	T015.M
1188	N/A	N/A	T0-14
1189	N/A	N/A	T0-14
1190	3/11/98	PAI Can QC 2A	T015
1191	3/11/98	PAI Can QC 2A	T015.M
1192	3/11/98	PAI Can QC 2A	T015.M
1193	SURROGATE SPIKE RECOVERY RESULTS		
1194	2/9-10/98	WDI #94-256	T0-14
1195	QCCS RESULTS		
1196	N/A	WDI- #94-256	T0-14
1197	3/6/98	25NG T0-15 QCCS	T015
1198	3/6/98	25NG T0-15 QCCS	T015.M
1199	3/6/98	25NG T0-15 QCCS	T015.M
1200	INITIAL CALIBRATION STANDARDS		
1201	TM10CALIBRATION		
1202	TM10CALIBRATION		
1203	3/6/98	25NG T0-15 STAN	T015
1204	3/6/98	25NG T0-15 STAN	T015.M
1205	3/6/98	25NG T0-15 STAN	T015.M
1206	3/6/98	10NG T0-15 STANDARD	
1207	3/6/98	10NG T0-15 STAN	T015.M
1208	3/6/98	10NG T0-15 STAN	T015.M
1209	3/6/98	5NG T0-15 STAND	T015
1210	3/6/98	5NG T0-15 STAND	T015.M
1211	3/6/98	5NG T0-15 STAND	T015.M
1212	3/6/98	50NG T0-15 STAN	T015
1213	3/6/98	50NG T0-15 STAN	T015.M
1214	3/6/98	50NG T0-15 STAN	T015.M
1215	3/6/98	100NG T0-15 STAN	T015
1216	3/6/98	100NG T0-15 STAN	T015.M
1217	3/6/98	100NG T0-15 STAN	T015.M
1218	CONTINUING CALIBRATION STANDARDS		
1219	3/10/98	25NG T0-15 STAN	T015.M
1220	3/10/98	25NG T0-15 STAN	T015.M

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TIF File No.	Date Sampled	Well I.D. No.	EPA Analysis Method
1221	3/10/98	25NG T0-15 STAN	T015
1222	3/10/98	25NG T0-15 STAN	T015.M
1223	3/10/98	25NG T0-15 STAN	T015.M
1224	3/11/98	25 ng T0-15 STANI	T015.M
1225	3/11/98	25 ng T0-15 STANI	T015.M
1226	3/11/98	25 ng T0-15 STANI	T015
1227	3/11/98	25 ng T0-15 STANI	T015.M
1228	3/11/98	25 ng T0-15 STANI	T015.M
1229	BFB TUNING & MASS CALIBRATION		
1230	3/6/98	25NG T0-15 STAN	T015.M
1231	3/10/98	25NG T0-15 STAN	T015.M
1232	3/11/98	25 ng T0-15 STANI	T015.M
1233	CHAIN OF CUSTODY REPORT		
1234	CHAIN OF CUSTODY REPORT		
1235	CHAIN OF CUSTODY REPORT		
1236	FEB P9800245		
1237	2/12/98	WDI-VW02-35-01	25C
1238	2/12/98	WDI-VW14-35-01	25C
1239	2/12/98	WDI-VW14-35-01	25C
1240	2/12/98	WDI-VW05-29-01	25C
1241	2/12/98	WDI-VWFD05-29-(	25C
1242	2/12/98	WDI-VW08-35-01	25C
1243	2/12/98	WDI-VW47-18-01	25C
1244	2/12/98	WDI-VW47-30-01	25C
1245	2/12/98	WDI-VW13-31-01	25C
1246	2/12/98	WDI-VW01-35-01	25C
1247	2/12/98	WDI-VWFB01-35-(	25C
1248	N/A	N/A	25C
1249	2/12/98	WDI-VW02-35-01	T0-14
1250	2/12/98		T0-14
1251	2/12/98	WDI-VW14-35-01	T0-14
1252	2/12/98		T0-14
1253	2/12/98	WDI-VW05-29-01	T0-14
1254	2/12/98		T0-14
1255	2/212/98	WDI-VWFD05-29-(	T0-14
1256	2/212/98		T0-14
1257	2/212/98	WDI-VW08-35-01	T0-14
1258	2/12/98		T0-14
1259	2/212/98	WDI-VW47-18-01	T0-14
1260	2/212/98		T0-14
1261	2/12/98	WDI-VW47-18-01	T0-14
1262	2/12/98		T0-14
1263	2/12/98	WDI-VW47-30-01	T0-14
1264	2/12/98		T0-14
1265	2/12/98	WDI-VW13-31-01	T0-14
1266	2/12/98		T0-14
1267	2/12/98	WDI-VW01-35-01	T0-14
1268	2/12/98		T0-14
1269	2/12/98	WDI-VWFB01-35-(	T0-14
1270	2/12/98		T0-14
1271	N/A	N/A	T0-14
1272	N/A		T0-14
1273	N/A	N/A	T0-14

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TIF File No.	Date Sampled	Well I.D. No.	EPA Analysis Method
1274	N/A		T0-14
1275	N/A	WDI #94-256	T0-14
1276	2/12/98	WDI #94-256	T0-14
1277	12/8/97	STD-6.25ppm-1	25_11297.M
1278	12/8/97	STD-6.25ppm-1	25_11297.M
1279	3/2/98	STD-300ppm	25_11297.M
1280	3/2/98	STD-300ppm	25_11297.M
1281	3/2/98	MB	25_11297.M
1282	3/2/98	MB	25_11297.M
1283	3/2/98	980245-001 VC02	25_11297.M
1284	3/2/98	980245-001 VC02	25_11297.M
1285	3/2/98	980245-001 VC02 [	25_11297.M
1286	3/2/98	980245-001 VC02 [	25_11297.M
1287	3/2/98	980245-002 VC02 S	25_11297.M
1288	3/2/98	980245-002 VC02 S	25_11297.M
1289	3/2/98	980245-003 VC02 S	25_11297.M
1290	3/2/98	980245-003 VC02 S	25_11297.M
1291	3/2/98	980245-004 VC02 S	25_11297.M
1292	3/2/98	980245-004 VC02 S	25_11297.M
1293	3/2/98	980245-005 VC02 S	25_11297.M
1294	3/2/98	980245-005 VC02 S	25_11297.M
1295	3/2/98	980245-006 VC02 S	25_11297.M
1296	3/2/98	980245-006 VC02 S	25_11297.M
1297	3/2/98	980245-007 VC02 S	25_11297.M
1298	3/2/98	980245-007 VC02 S	25_11297.M
1299	3/2/98	980245-008 VC02 S	25_11297.M
1300	3/2/98	980245-008 VC02 S	25_11297.M
1301	3/2/98	P98245-009 VC02	25_11297.M
1302	3/2/98	P98245-009 VC02	25_11297.M
1303	3/2/98	980245-010 VC02	25_11297.M
1304	3/2/98	980245-010 VC02	25_11297.M
1305	3/2/98	STD-300ppm VC02	25_11297.M
1306	3/2/98	STD-300ppm VC02	25_11297.M
1307	RESULTS OF VOLATILE ORGANIC ANALYSIS		
1308	2/12/98	WDI-VW14-35-01	T0-14
1309	2/12/98	WDI-VW14-35-01	T0-14
1310	3/16/98	TRC WDI-VW14-3.	T015
1311	3/16/98	TRC WDI-VW14-3.	T015.M
1312	3/16/98	TRC WDI-VW14-3.	T015.M
1313	2/12/98	WDI-VW02-35-01	T0-14
1314	2/12/98	WDI-VW02-35-01	T0-14
1315	3/16/98	TRC WDI-VW02-3.	T015
1316	3/16/98	TRC WDI-VW02-3.	T015.M
1317	3/16/98	TRC WDI-VW02-3.	T015.M
1318	2/12/98	WDI-VW05-29-01	T0-14
1319	2/12/98	WDI-VW05-29-01	T0-14
1320	3/17/98	TRC WDI-VW05-2'	T015
1321	3/17/98	TRC WDI-VW05-2'	T015.M
1322	3/17/98	TRC WDI-VW05-2'	T015.M
1323	2/12/98	WDI-VWFD05-29-(	T0-14
1324	2/12/98	WDI-VWFD05-29-(	T0-14
1325	3/17/98	TRC WDI-VWFD0:	T015
1326	3/17/98	TRC WDI-VWFD0:	T015.M

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TIF File No.	Date Sampled	Well I.D. No.	EPA Analysis Method
1327	3/17/98	TRC WDI-VWFD0:	T015.M
1328	2/12/98	WDI-VW08-35-01	T0-14
1329	2/12/98	WDI-VW08-35-01	T0-14
1330	3/17/98	TRC WDI-VW08-3.	T015
1331	3/17/98	TRC WDI-VW08-3.	T015.M
1332	3/17/98	TRC WDI-VW08-3.	T015.M
1333	2/12/98	WDI-VW47-18-01	T0-14
1334	2/12/98	WDI-VW47-18-01	T0-14
1335	3/17/98	TRC WDI-VW47-1:	T015
1336	3/17/98	TRC WDI-VW47-1:	T015.M
1337	3/17/98	TRC WDI-VW47-1:	T015.M
1338	2/12/98	WDI-VW47-18-01	T0-14
1339	2/12/98	WDI-VW47-18-01	T0-14
1340	3/17/98	TRC WDI-VW47-1:	T015
1341	3/17/98	TRC WDI-VW47-1:	T015.M
1342	3/17/98	TRC WDI-VW47-1:	T015.M
1343	2/12/98	WDI-VW47-30-01	T0-14
1344	2/12/98	WDI-VW47-30-01	T0-14
1345	3/17/98	TRC WDI-VW47-3	T015
1346	3/17/98	TRC WDI-VW47-3	T015.M
1347	3/17/98	TRC WDI-VW47-3	T015.M
1348	2/12/98	WDI-VW13-31-01	T0-14
1349	2/12/98	WDI-VW13-31-01	T0-14
1350	3/16/98	TRC WDI-VW13-3	T015
1351	3/16/98	TRC WDI-VW13-3	T015.M
1352	3/16/98	TRC WDI-VW13-3	T015.M
1353	2/12/98	WDI-VW01-35-01	T0-14
1354	2/12/98	WDI-VW01-35-01	T0-14
1355	3/11/98	TRC WDI-VW01-3.	T015
1356	3/11/98	TRC WDI-VW01-3.	T015.M
1357	3/11/98	TRC WDI-VW01-35-01 (250 ml)	
1358	2/12/98	WDI-VWFB01-35-(	T0-14
1359	2/12/98	WDI-VWFB01-35-(	T0-14
1360	3/11/98	TRC WDI-VWFB0	T015
1361	3/11/98	TRC WDI-VWFB0	T015.M
1362	3/11/98	TRC WDI-VWFB0	T015.M
1363	N/A	N/A	T0-14
1364	N/A	N/A	T0-14
1365	3/10/98	PAI Can QC 2A	T015
1366	3/10/98	PAI Can QC 2A	T015.M
1367	3/10/98	PAI Can QC 2A	T015.M
1368	N/A	N/A	T0-14
1369	N/A	N/A	T0-14
1370	3/13/98	PAI Can QC 1A	T015
1371	3/13/98	PAI Can QC 1A	T015.M
1372	3/13/98	PAI Can QC 1A	T015.M
1373	SURROGATE SPIKE RECOVERY RESULTS		
1374	2/12/98	WDI-#94-256	T0-14
1375	QCCS RESULTS		
1376	N/A	WDI-#94-256	T0-14
1377	3/6/98	25NG T0-15 QCCS	T015
1378	3/6/98	25NG T0-15 QCCS	T015.M
1379	3/6/98	25NG T0-15 QCCS	T015.M

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TIF File No.	Date Sampled	Well I.D. No.	EPA Analysis Method
1380	INITIAL CALIBRATION STANDARDS		
1381	TM10CALIBRATION		
1382	TM10CALIBRATION		
1383	3/6/98	25NG T0-15 STAN	T015
1384	3/6/98	25NG T0-15 STAN	T015.M
1385	3/6/98	25NG T0-15 STAN	T015.M
1386	3/6/98	10NG T0-15 STAN	T015
1387	3/6/98	10NG T0-15 STAN	T015.M
1388	3/6/98	10NG T0-15 STAN	T015.M
1389	3/6/98	5NG T0-15 STAND	T015
1390	3/6/98	5NG T0-15 STAND	T015.M
1391	3/6/98	5NG T0-15 STAND	T015.M
1392	3/6/98	50NG T0-15 STAN	T015
1393	3/6/98	50 NGT0-15 STAN	T015.M
1394	3/6/98	50NG T0-15 STAN	T015.M
1395	3/6/98	100NG T0-15 STAN	T015
1396	3/6/98	100NG T0-15 STAN	T015.M
1397	3/6/98	100NG T0-15 STAN	T015.M
1398	CONTINUING CALIBRATION STANDARDS		
1399	3/11/98	25 ng T0-15 STAN	T015.M
1400	3/11/98	25 ng T0-15 STAN	T015.M
1401	3/11/98	25 ng T0-15 STAN	T015
1402	3/11/98	25 ng T0-15 STAN	T015.M
1403	3/11/98	25 ng T0-15 STAN	T015.M
1404	3/16/98	25 ng T0-15 STAN	T015.M
1405	3/16/98	25 ng T0-15 STAN	T015.M
1406	3/16/98	25 ng T0-15 STAN	T015
1407	3/16/98	25 ng T0-15 STAN	T015.M
1408	3/16/98	25 ng T0-15 STAN	T015.M
1409	BFB TUNING & MASS CALIBRATION		
1410	3/6/98	25NG T0-15 STAN	T015.M
1411	3/11/98	25 ng T0-15 STAN	T015.M
1412	3/16/98	25 ng T0-15 STAN	T015.M
1413	CHAIN OF CUSTODY RECORDS		
1414	CHAIN OF CUSTODY RECORDS		
1415	FEB P9800263		
1416	LABORATORY REPORT		
1417			
1418	RESULTS OF METHANE AND TOTAL GASEOUS		
1419	2/17/98	WDI-VW04-23-01	25C
1420	2/17/98	WDI-VW03-35-01	25C
1421	2/17/98	WDI-VW48-08-01	25C
1422	2/17/98	WDI-VW48-17-01	25C
1423	2/17/98	WDI-VW48-35-01	25C
1424	2/17/98	WDI-VWFD48-08-(	25C
1425	2/17/98	WDI-VW40-10-01	25C
1426	2/17/98	WDI-VW40-10-01	25C
1427	2/17/98	WDI-VW40-25-01	25C
1428	2/17/98	WDI-VWFB27-35-(	25C
1429	2/17/98	WDI-VW46-15-01	25C
1430	2/17/98	WDI-VW46-27-01	25C
1431	2/17/98	WDI-VW38-10-01	25C
1432	2/17/98	WDI-VW38-34-01	25C

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TIF File No.	Date Sampled	Well I.D. No.	EPA Analysis Method
1433	2/17/98	WDI-VW27-19-01	25C
1434	2/17/98	WDI-VW27-35-01	25C
1435	2/17/98	WDI-VW27-35-01	25C
1436	N/A	N/A	25C
1437	2/17/98	94-256	GC/TCD
1438	RAW DATA		
1439	TM10CALIBRATION		
1440	TM10CALIBRATION		
1441	12/8/97	5000ppmC STD-1	25_11297.M
1442	12/8/97	5000ppmC STD-1	25_11297.M
1443	12/8/97	625 ppmC STD-1	25_11297.M
1444	12/8/97	625 ppmC STD-1	25_11297.M
1445	12/8/97	50ppmC STD-1	25_11297.M
1446	12/8/97	50ppmC STD-1	25_11297.M
1447	12/8/97	STD-6.25ppm-1	25_11297.M
1448	12/8/97	STD-6.25ppm-1	25_11297.M
1449	3/2/98	STD-300ppm	25_11297.M
1450	3/2/98	STD-300ppm	25_11297.M
1451	3/2/98	MB	25_11297.M
1452	3/2/98	MB	25_11297.M
1453	3/2/98	0263-001-SL-V	25_11297.M
1454	3/2/98	0263-001-SL-V	25_11297.M
1455	3/2/98	0263-002-SL-V	25_11297.M
1456	3/2/98	0263-002-SL-V	25_11297.M
1457	3/2/98	0263-003-SL-V	25_11297.M
1458	3/2/98	0263-003-SL-V	25_11297.M
1459	3/2/98	0263-004-SL-V	25_11297.M
1460	3/2/98	0263-004-SL-V	25_11297.M
1461	3/2/98	0263-005-SL-V	25_11297.M
1462	3/2/98	0263-005-SL-V	25_11297.M
1463	3/2/98	0263-006-SL-V	25_11297.M
1464	3/2/98	0263-006-SL-V	25_11297.M
1465	3/2/98	0263-007-SL-V	25_11297.M
1466	3/2/98	0263-007-SL-V	25_11297.M
1467	3/2/98	0263-007-SL-V-DP	25_11297.M
1468	3/2/98	0263-007-SL-V-DP	25_11297.M
1469	3/2/98	0263-008-NL-V	25_11297.M
1470	3/2/98	0263-008-NL-V	25_11297.M
1471	3/2/98	0263-009-NL-V	25_11297.M
1472	3/2/98	0263-009-NL-V	25_11297.M
1473	3/2/98	0263-010-NL-V	25_11297.M
1474	3/2/98	0263-010-NL-V	25_11297.M
1475	3/2/98	0263-011-NL-V	25_11297.M
1476	3/2/98	0263-011-NL-V	25_11297.M
1477	3/2/98	0263-012-NL-V	25_11297.M
1478	3/2/98	0263-012-NL-V	25_11297.M
1479	3/2/98	0263-013-NL-V	25_11297.M
1480	3/2/98	0263-013-NL-V	25_11297.M
1481	3/2/98	0263-013-SL-V	25_11297.M
1482	3/2/98	0263-013-SL-V	25_11297.M
1483	3/2/98	0263-014-NL-V	25_11297.M
1484	3/2/98	0263-014-NL-V	25_11297.M
1485	3/2/98	0263-015-NL-V	25_11297.M

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TIF File No.	Date Sampled	Well I.D. No.	EPA Analysis Method
1486	3/2/98	0263-015-NL-V	25_11297.M
1487	3/2/98	0263-015-NL-V	25_11297.M
1488	3/2/98	0263-015-NL-V-DP	25_11297.M
1489	3/2/98	STD-300ppm	25_11297.M
1490	3/2/98	STD-300ppm	25_11297.M
1491	TM10CALIBRATION		
1492	TM10CALIBRATION		
1493	12/2/97	STD-2mL	FXGS_25C.MTH
1494	12/2/97	STD-2mL	FXGS1203.M
1495	12/2/97	STD-1mL	FXGS_25C.MTH
1496	12/2/97	STD-1mL	FXGS1203.M
1497	12/2/97	STD-500uL	FXGS_25C.MTH
1498	12/2/97	STD-500uL	FXGS1203.M
1499	12/2/97	STD-200uL	FXGS_25C.MTH
1500	12/2/97	STD-200uL	FXGS1203.M
1501	12/2/97	STD-100uL	FXGS_25C.MTH
1502	12/2/97	STD-100uL	FXGS1203.M
1503	12/2/97	STD-500uL	FXGS_25C.MTH
1504	12/2/97	STD-500uL	FXGS1203.M
1505	3/3/98	STD-500uL	3C_1297.M
1506	3/3/98	STD-500uL	3C_1297.M
1507	3/3/98	MB-1ml	3C_1297.M
1508	3/3/98	MB-1ml	3C_1297.M
1509	3/3/98	0263-001-100uL	3C_1297.M
1510	3/3/98	0263-001-100uL	3C_1297.M
1511	3/3/98	0263-003-100uL	3C_1297.M
1512	3/3/98	0263-003-100uL	3C_1297.M
1513	3/3/98	0263-003-100uLDP	3C_1297.M
1514	3/3/98	0263-003-100uLDP	3C_1297.M
1515	3/3/98	0263-004-100uL	3C_1297.M
1516	3/3/98	0263-004-100uL	3C_1297.M
1517	3/3/98	0263-006-100uL	3C_1297.M
1518	3/3/98	0263-006-100uL	3C_1297.M
1519	3/3/98	STD-500uL	3C_1297.M
1520	3/3/98	STD-500uL	3C_1297.M
1521	RESULTS OF VOLATILE ORGANIC ANALYSIS		
1522	2/17/98	WDI-VW04-23-01	T0-14
1523	2/17/98	WDI-VW04-23-01	T0-14
1524	3/19/98	TRC WDI-VW04-2	T015
1525	3/19/98	TRC WDI-VW04-2	T015.M
1526	3/19/98	TRC WDI-VW04-2	T015.M
1527	2/17/98	WDI-VW03-35-01	T0-14
1528	2/17/98	WDI-VW03-35-01	T0-14
1529	3/19/98	TRC WDI-VW03-3	T015
1530	3/19/98	TRC WDI-VW03-3	T015.M
1531	3/19/98	TRC WDI-VW03-3	T015.M
1532	2/17/98	WDI-VW48-08-01	T0-14
1533	2/17/98	WDI-VW48-08-01	T0-14
1534	3/17/98	TRC WDI-VW48-0	T015
1535	3/17/98	TRC WDI-VW48-0	T015.M
1536	3/17/98	TRC WDI-VW48-0	T015.M
1537	2/17/98	WDI-VW48-17-01	T0-14
1538	2/17/98	WDI-VW48-17-01	T0-14

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TIF File No.	Date Sampled	Well I.D. No.	EPA Analysis Method
1539	3/17/98	TRC WDI-VW48-1	T015
1540	3/17/98	TRC WDI-VW48-1	T015.M
1541	3/17/98	TRC WDI-VW48-1	T015.M
1542	2/17/98	WDI-VW48-35-01	T0-14
1543	2/17/98	WDI-VW48-35-01	T0-14
1544	3/19/98	TRC WDI-VW48-3.	T015
1545	3/19/98	TRC WDI-VW48-3.	T015.M
1546	3/19/98	TRC WDI-VW48-3.	T015.M
1547	2/17/98	WDI-VWFD48-08-(	T0-14
1548	2/17/98	WDI-VWFD48-08-(	T0-14
1549	3/17/98	TRC WDI-VWFD4:	T015
1550	3/17/98	TRC WDI-VWFD4:	T015.M
1551	3/17/98	TRC WDI-VWFD4:	T015.M
1552	2/17/98	WDI-VW40-10-01	T0-14
1553	2/17/98	WDI-VW40-10-01	T0-14
1554	3/19/98	TRC WDI-VW40-1	T015
1555	3/19/98	TRC WDI-VW40-1	T015.M
1556	3/19/98	TRC WDI-VW40-1	T015.M
1557	2/17/98	WDI-VW40-25-01	T0-14
1558	2/17/98	WDI-VW40-25-01	T0-14
1559	3/19/98	TRC WDI-VW40-2.	T015
1560	3/19/98	TRC WDI-VW40-2.	T015.M
1561	3/19/98	TRC WDI-VW40-2.	T015.M
1562	2/17/98	WDI-VW40-25-01	T0-14
1563	2/17/98	WDI-VW40-25-01	T0-14
1564	3/19/98	TRC WDI-VW40-2.	T015
1565	3/19/98	TRC WDI-VW40-2.	T015.M
1566	3/19/98	TRC WDI-VW40-2.	T015.M
1567	2/17/98	WDI-VWFB27-35-(	T0-14
1568	2/17/98	WDI-VWFB27-35-(	T0-14
1569	3/13/98	TRC WDI-VWFB2	T015
1570	3/13/98	TRC WDI-VWFB2	T015.M
1571	3/13/98	WDI-VWFB27-35-(	T015.M
1572	2/17/98	WDI-VW46-15-01	T0-14
1573	2/17/98	WDI-VW46-15-01	T0-14
1574	3/13/98	TRC WDI-VW46-1.	T015
1575	3/13/98	TRC WDI-VW46-1:	T015.M
1576	3/13/98	TRC WDI-VW46-1.	T015.M
1577	3/20/98	TRC WDI-VW46-1.	T015
1578	3/20/98	TRC WDI-VW46-1.	T015.M
1579	3/20/98	TRC WDI-VW46-1.	T015.M
1580	2/17/98	WDI-VW46-27-01	T0-14
1581	2/17/98	WDI-VW46-27-01	T0-14
1582	3/13/98	TRC WDI-VW46-2:	T015
1583	3/13/98	TRC WDI-VW46-2	T015.M
1584	3/13/98	TRC WDI-VW46-2	T015.M
1585	3/20/98	TRC WDI-VW46-2:	T015
1586	3/20/98	TRC WDI-VW46-2	T015.M
1587	3/20/98	TRC WDI-VW46-2	T015.M
1588	2/17/98	WDI-VW38-10-01	T0-14
1589	2/17/98	WDI-VW38-10-01	T0-14
1590	3/13/98	TRC WDI-VW38-1	T015
1591	3/13/98	TRC WDI-VW38-1	T015.M

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TIF File No.	Date Sampled	Well I.D. No.	EPA Analysis Method
1592	3/13/98	TRC WDI-VW38-1	T015.M
1593	3/20/98	TRC WDI-VW38-1	T015
1594	3/20/98	TRC WDI-VW38-1	T015.M
1595	3/20/98	TRC WDI-VW38-1	T015.M
1596	2/17/98	WDI-VW38-34-01	T0-14
1597	2/17/98	WDI-VW38-34-01	T0-14
1598	3/20/98	TRC WDI-VW38-3	T015
1599	3/20/98	TRC WDI-VW38-3	T015.M
1600	3/20/98	TRC WDI-VW38-3	T015.M
1601	2/17/98	WDI-VW27-19-01	T0-14
1602	2/17/98	WDI-VW27-19-01	T0-14
1603	3/13/98	TRC WDI-VW27-1	T015
1604	3/13/98	WDI-VW27-19-01 (	T015.M
1605	3/13/98	TRC WDI-VW27-1	T015.M
1606	2/17/98	WDI-VW27-19-01	T0-14
1607	2/17/98	WDI-VW27-19-01	T0-14
1608	3/13/98	TRC WDI-VW27-1	T015
1609	3/13/98	TRC WDI-VW27-1	T015.M
1610	3/13/98	WDI-VW27-19-01 (	T015.M
1611	2/17/98	WDI-VW27-35-01	T0-14
1612	2/17/98	WDI-VW27-35-01	T0-14
1613	3/13/98	TRC WDI-VW27-3.	T015
1614	3/13/98	TRC WDI-VW27-3.	T015.M
1615	3/13/98	TRC WDI-VW27-3.	T015.M
1616	N/A	N/A	T0-14
1617	N/A	N/A	T0-14
1618	3/11/98	SilcoCan QC 1A	T015
1619	3/11/98	SilcoCan QC 1A	T015.M
1620	3/11/98	SilcoCan QC 1A	T015.M
1621	N/A	N/A	T0-14
1622	N/A	N/A	T0-14
1623	3/16/98	PAI Can QC #1	T015
1624	3/16/98	PAI Can QC #1	T015.M
1625	3/16/98	PAI Can QC #1	T015.M
1626	N/A	N/A	T0-14
1627	N/A	N/A	T0-14
1628	3/18/98	PAI Can QC #1	T015
1629	3/18/98	PAI Can QC #1	T015.M
1630	3/18/98	PAI Can QC #1	T015.M
1631	SURROGATE SPIKE RECOVERY RESULTS		
1632	2/17/98	WDI #94-256	T0-14
1633	QCCS RESULTS		
1634	N/A	WDI #94-256	T0-14
1635	3/6/98	25NG T0-15 QCCS	T015
1636	3/6/98	25NG T0-15 QCCS	T015.M
1637	3/6/98	25NG T0-15 QCCS	T015.M
1638	INITIAL CALIBRATION		
1639	TM10CALIBRATION		
1640	TM10CALIBRATION		
1641	3/6/98	25NG T0-15 STAN	T015
1642	3/6/98	25NG T0-15 STAN	T015.M
1643	3/6/98	25NG T0-15 STAN	T015.M
1644	3/6/98	5NG T0-15 STAND	T015

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TIF File No.	Date Sampled	Well I.D. No.	EPA Analysis Method
1645	3/6/98	5NG T0-15 STAND	T015.M
1646	3/6/98	5NG T0-15 STAND	T015.M
1647	3/6/98	10NG T0-15 STAN	T015
1648	3/6/98	10NG T0-15 STAN	T015.M
1649	3/6/98	10NG T0-15 STAN	T015.M
1650	3/6/98	50NG T0-15 STAN	T015
1651	3/6/98	50NG T0-15 STAN	T015.M
1652	3/6/98	50NG T0-15 STAN	T015.M
1653	3/6/98	100NG T0-15 STAN	T015
1654	3/6/98	100NG T0-15 STAN	T015.M
1655	3/6/98	100NG T0-15 STAN	T015.M
1656	CONTINUING CALIBRATION STANDARDS		
1657	3/12/98	25 ng T0-15 STAN	T015.M
1658	3/12/98	25 ng T0-15 STAN	T015.M
1659	3/12/98	25 ng T0-15 STAN	T015
1660	3/12/98	25 ng T0-15 STAN	T015.M
1661	3/12/98	25 ng T0-15 STAN	T015.M
1662	3/17/98	25 ng T0-15 STAN	T015.M
1663	3/17/98	25 ng T0-15 STAN	T015.M
1664	3/17/98	25 ng T0-15 STAN	T015
1665	3/17/98	25 ng T0-15 STAN	T015.M
1666	3/17/98	25 ng T0-15 STAN	T015.M
1667	3/19/98	25ng T0-15 STAND	T015.M
1668	3/19/98	25ng T0-15 STAND	T015.M
1669	3/19/98	25ng T0-15 STAND	T015.M
1670	3/19/98	25ng T0-15 STAND	T015.M
1671	3/19/98	25ng T0-15 STAND	T015.M
1672	BFB TUNING MASS CALIBRATION		
1673	3/6/98	25NG T0-15 STAN	T015.M
1674	3/12/98	25 ng T0-15 STAN	T015.M
1675	3/17/98	25 ng T0-15 STAN	T015.M
1676	3/19/98	25ng T0-15 STAND	T015SOM.M
1677	CHAIN OF CUSTODY RECORDS		
1678	CHAIN OF CUSTODY RECORDS		
1679	FEB P9800285		
1680	LABORATORY REPORT		
1681			
1682	RESULTS OF METHANE AND TOTAL GASEOUS		
1683	2/18/98	WDI-VW34-10-01	25C
1684	2/18/98	WDI-VW34-10-01	25C
1685	2/18/98	WDI-VW34-23-01	25C
1686	2/18/98	WDI-VW34-40-01	25C
1687	2/18/98	WDI-VW29-10-01	25C
1688	2/18/98	WDI-VW29-23-01	25C
1689	2/18/98	WDI-VW29-35-01	25C
1690	2/18/98	WDI-VW30-07-01	25C
1691	2/18/98	WDI-VW30-23-01	25C
1692	2/18/98	WDI-VW30-35-01	25C
1693	N/A	N/A	25C
1694	RAW DATA		
1695	TM10CALIBRATION		
1696	TM10CALIBRATION		
1697	12/8/97	5000ppmC STD-1	25_11297.M

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TIF File No.	Date Sampled	Well I.D. No.	EPA Analysis Method
1698	12/8/97	5000ppmC STD-1	25_11297.M
1699	12/8/97	625 ppmC STD-1	25_11297.M
1700	12/8/97	625 ppmC STD-1	25_11297.M
1701	12/8/97	50ppmC STD-1	25_11297.M
1702	12/8/97	50ppmC STD-1	25_11297.M
1703	12/8/97	STD-6.25ppm-1	25_11297.M
1704	12/8/97	STD-6.25ppm-1	25_11297.M
1705	3/3/98	STD-300ppm	25_11297.M
1706	3/3/98	STD-300ppm	25_11297.M
1707	3/3/98	MB	25_11297.M
1708	3/3/98	MB	25_11297.M
1709	3/3/98	980285-001 VC02	25_11297.M
1710	3/3/98	980285-001-VC02	25_11297.M
1711	3/3/98	980285-001 VC02 [	25_11297.M
1712	3/3/98	980285-001 VC02 [	25_11297.M
1713	3/3/98	980285-002 VC02	25_11297.M
1714	3/3/98	980285-002 VC02	25_11297.M
1715	3/3/98	980285-003 VC02	25_11297.M
1716	3/3/98	980285-003 VC02	25_11297.M
1717	3/3/98	980285-004 VC02	25_11297.M
1718	3/3/98	980285-004 VC02	25_11297.M
1719	3/3/98	980285-005 VC02	25_11297.M
1720	3/3/98	980285-005 VC02	25_11297.M
1721	3/3/98	980285-006 VC02	25_11297.M
1722	3/3/98	980285-006 VC02	25_11297.M
1723	3/3/98	980285-007 VC02	25_11297.M
1724	3/3/98	980285-007 VC02	25_11297.M
1725	3/3/98	980285-008 VC02	25_11297.M
1726	3/3/98	980285-008 VC02	25_11297.M
1727	3/3/98	980285-008 SL VC(	25_11297.M
1728	3/3/98	980285-008 SL VC(	25_11297.M
1729	3/3/98	980285-009 VC02	25_11297.M
1730	3/3/98	980285-009 VC02	25_11297.M
1731	3/3/98	980285-009 SL VC	25_11297.M
1732	3/3/98	980285-009 SL VC	25_11297.M
1733	3/3/98	STD-300ppm	25_11297.M
1734	3/3/98	STD-300ppm	25_11297.M
1735	RESULTS OF VOLATILE ORGANIC ANALYSIS		
1736	2/18/98	WDI-VW34-10-01	T0-14
1737	2/18/98	WDI-VW34-10-01	T0-14
1738	3/18/98	TRC WDI-VW34-1	T015
1739	3/18/98	TRC WDI-VW34-1	T015.M
1740	3/18/98	TRC WDI-VW34-1	T015.M
1741	3/19/98	TRC WDI-VW34-1	T015
1742	3/19/98	TRC WDI-VW34-1	T015.M
1743	3/19/98	TRC WDI-VW34-1	T015.M
1744	2/18/98	WDI-VW34-23-01	T0-14
1745	2/18/98	WDI-VW34-23-01	T0-14
1746	3/18/98	TRC WDI-VW34-2.	T015
1747	3/18/98	TRC WDI-VW34-2.	T015.M
1748	3/18/98	TRC WDI-VW34-2.	T015.M
1749	2/18/98	WDI-VW34-48-01	T0-14
1750	2/18/98	WDI-VW34-40-01	T0-14

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TIF File No.	Date Sampled	Well I.D. No.	EPA Analysis Method
1751	3/18/98	TRC WDI-VW34-4	T015
1752	3/18/98	TRC WDI-VW34-4	T015.M
1753	3/18/98	TRC WDI-VW34-4	T015.M
1754	2/18/98	WDI-VW29-10-01	T0-14
1755	2/18/98	WDI-VW29-10-01	T0-14
1756	3/18/98	TRC WDI-VW29-1	T015
1757	3/18/98	TRC WDI-VW29-1	T015.M
1758	3/18/98	TRC WDI-VW29-1	T015.M
1759	2/18/98	WDI-VW29-23-01	T0-14
1760	2/18/98	WDI-VW29-23-01	T0-14
1761	3/19/98	TRC WDI-VW29-2.	T015
1762	3/19/98	TRC WDI-VW29-2.	T015.M
1763	3/19/98	TRC WDI-VW29-2.	T015.M
1764	2/18/98	WDI-VW29-35-01	T0-14
1765	2/18/98	WDI-VW29-35-01	T0-14
1766	3/19/98	TRC WDI-VW29-3.	T015
1767	3/19/98	TRC WDI-VW29-3.	T015.M
1768	3/19/98	TRC WDI-VW29-3.	T015.M
1769	2/18/98	WDI-VW30-07-01	T0-14
1770	2/18/98	WDI-VW30-07-01	T0-14
1771	3/19/98	TRC WDI-VW30-0	T015
1772	3/19/98	TRC WDI-VW30-0	T015.M
1773	3/19/98	TRC WDI-VW30-0	T015.M
1774	3/19/98	TRC WDI-VW30-0	T015
1775	3/19/98	TRC WDI-VW30-0	T015.M
1776	3/19/98	TRC WDI-VW30-0	T015.M
1777	2/18/98	WDI-VW30-23-01	T0-14
1778	2/18/98	WDI-VW30-23-01	T0-14
1779	3/19/98	TRC WDI-VW30-2.	T015
1780	3/19/98	TRC WDI-VW30-2.	T015.M
1781	3/19/98	TRC WDI-VW30-2.	T015.M
1782	2/18/98	WDI-VW30-23-01	T0-14
1783	2/18/98	WDI-VW30-23-01	T0-14
1784	3/19/98	TRC WDI-VW30-2.	T015
1785	3/19/98	TRC WDI-VW30-2.	T015.M
1786	3/19/98	TRC WDI-VW30-2.	T015.M
1787	2/18/98	WDI-VW30-35-01	T0-14
1788	2/18/98	WDI-VW30-35-01	T0-14
1789	3/19/98	TRC WDI-VW30-3.	T015
1790	3/19/98	TRC WDI-VW30-3.	T015.M
1791	3/19/98	TRC WDI-VW30-3.	T015.M
1792	N/A	N/A	T0-14
1793	N/A	N/A	T0-14
1794	3/17/98	PAI Can QC 2A	T015
1795	3/17/98	PAI Can QC 2A	T015.M
1796	3/17/98	PAI Can QC 2A	T015.M
1797	N/A	N/A	T0-14
1798	N/A	N/A	T0-14
1799	3/18/98	PAI Can QC 2A	T015
1800	3/19/98	PAI Can QC 2A	T015.M
1801	3/19/98	PAI Can QC 2A	T015.M
1802	SURROGATE SPIKE RECOVERY RESULTS		
1803	2/18/98	WDI #94-256	T0-14

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TIF File No.	Date Sampled	Well I.D. No.	EPA Analysis Method
1804	QCCS RESULTS		
1805	N/A	WDI #94-256	T0-14
1806	3/6/98	25NG T0-15 QCCS	T015
1807	3/6/98	25NG T0-15 QCCS	T015.M
1808	3/6/98	25NG T0-15 QCCS	T015.M
1809	INITIAL CALIBRATION STANDARDS		
1810	TM10CALIBRATION		
1811	TM10CALIBRATION		
1812	3/6/98	25NG T0-15 STAN	T015
1813	3/6/98	25NG T0-15 STAN	T015.M
1814	3/6/98	25NG T0-15 STAN	T015.M
1815	3/6/98	5NG T0-15 STAND	T015
1816	3/6/98	5NG T0-15 STAND	T015.M
1817	3/6/98	5NG T0-15 STAND	T015.M
1818	3/6/98	10NG T0-15 STAN	T015
1819	3/6/98	10NG T0-15 STAN	T015.M
1820	3/6/98	10NG T0-15 STAN	T015.M
1821	3/6/98	50NG T0-15 STAN	T015
1822	3/6/98	50NG T0-15 STAN	T015.M
1823	3/6/98	50NG T0-15 STAN	T015.M
1824	3/6/98	100NG T0-15 STAN	T015
1825	3/6/98	100NG T0-15 STAN	T015.M
1826	3/6/98	100NG T0-15 STAN	T015.M
1827	CONTINUING CALIBRATION STANDARDS		
1828	3/18/98	25 ng T0-15 STANI	T015.M
1829	3/18/98	25 ng T0-15 STANI	T015.M
1830	3/18/98	25 ng T0-15 STANI	T015
1831	3/18/98	25 ng T0-15 STANI	T015.M
1832	3/18/98	25 ng T0-15 STANI	T015.M
1833	3/19/98	25NG T0-15 STAN	T015.M
1834	3/19/98	25NG T0-15 STAN	T015.M
1835	3/19/98	25NG T0-15 STAN	T015
1836	3/19/98	25NG T0-15 STAN	T015.M
1837	3/19/98	25NG T0-15 STAN	T015.M
1838	BFB TUNING & MASS CALIBARTION		
1839	3/6/98	25NG T0-15 STAN	T015.M
1840	3/18/98	25 ng T0-15 STANI	T015.M
1841	3/19/98	25NG T0-15 STAN	T015SOM.M
1842	CHAIN OF CUSTODY RECORDS		
1843	CHAIN OF CUSTODY RECORDS		
1844	FEB P9800313		
1845	LABORATORY REPORT		
1846			
1847	RESULT OF METHANE AND TOTAL GASEOUS		
1848	2/18/98	WDI-VW43-19-01	25C
1849	2/18/98	WDI-VW43-32-01	25C
1850	2/18/98	WDI-VW43-32-01	25C
1851	2/18/98	WDI-VWFD43-32-(	25C
1852	2/18/98	WDI-VWFBKGRN	25C
1853	2/18/98	WDI-VWFB43-32-(	25C
1854	2/18/98	WDI-VW41-07-01	25C
1855	2/18/98	WDI-VW41-21-01	25C
1856	N/A	N/A	25C

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TIF File No.	Date Sampled	Well I.D. No.	EPA Analysis Method
1857	RAW DATA		
1858	TM10CALIBRATION		
1859	TM10CALIBRATION		
1860	12/8/97	5000ppmC STD-1	25_11297.M
1861	12/8/97	5000ppmC STD-1	25_11297.M
1862	12/8/97	625 ppmC STD-1	25_11297.M
1863	12/8/97	625 ppmC STD-1	25_11297.M
1864	12/8/97	50ppmC STD-1	25_11297.M
1865	12/8/97	50ppmC STD-1	25_11297.M
1866	12/8/97	STD-6.25ppm-1	25_11297.M
1867	12/8/97	STD-6.25ppm-1	25_11297.M
1868	3/3/98	STD-300ppm	25_11297.M
1869	3/3/98	STD-300ppm	25_11297.M
1870	3/3/98	MB	25_11297.M
1871	3/3/98	MB	25_11297.M
1872	3/3/98	P98313-001 SL VC(	25_11297.M
1873	3/3/98	P98313-001 SL VC(	25_11297.M
1874	3/3/98	P98313-002 SL VC(	25_11297.M
1875	3/3/98	P98313-002 SL VC(	25_11297.M
1876	3/3/98	P98313-003-SL-V	25_11297.M
1877	3/3/98	P98313-003-SL-V	25_11297.M
1878	3/3/98	P98313-003-SL-V-I	25_11297.M
1879	3/3/98	P98313-003-SL-V-I	25_11297.M
1880	3/3/98	P98313-004 VC02	25_11297.M
1881	3/3/98	P98313-004 VC02	25_11297.M
1882	3/3/98	P98313-005 VC02	25_11297.M
1883	3/3/98	P98313-005 VC02	25_11297.M
1884	3/3/98	P98313-006 VC02	25_11297.M
1885	3/3/98	P98313-006 VC02	25_11297.M
1886	3/3/98	P98313-007 VC02	25_11297.M
1887	3/3/98	P98313-007 VC02	25_11297.M
1888	3/3/98	STD-300ppm	25_11297.M
1889	3/3/98	STD-300ppm	25_11297.M
1890	RESULTS OF VOLATILE ORGANIC ANALYSIS		
1891	2/18/98	WDI-VW43-19-01	T0-14
1892	2/18/98	WDI-VW43-19-01	T0-14
1893	3/20/98	TRC WDI-VW43-1'	T015
1894	3/20/98	TRC WDI-VW43-1'	T015.M
1895	3/20/98	TRC WDI-VW43-1'	T015.M
1896	2/18/98	WDI-VW43-32-01	T0-14
1897	2/18/98	WDI-VW43-32-01	T0-14
1898	3/20/98	TRC WDI-VW43-3	T015
1899	3/20/98	TRC WDI-VW43-3	T015.M
1900	3/20/98	TRC WDI-VW43-3	T015.M
1901	2/18/98	WDI-VWFD43-32-(	T0-14
1902	2/18/98	WDI-VWFD43-32-(	T0-14
1903	3/20/98	TRC WDI-VWFD4	T015
1904	3/20/98	TRC WDI-VWFD4	T015.M
1905	3/20/98	TRC WDI-VWFD4	T015.M
1906	2/18/98	WDI-VWBKGRND	T0-14
1907	2/18/98	WDI-VWBKGRND	T0-14
1908	2/18/98	TRC WDI-VWBKC	T015
1909	2/18/98	TRC WDI-VWBKC	T015.M

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TIF File No.	Date Sampled	Well I.D. No.	EPA Analysis Method
1910	2/18/98	TRC WDI-VWBKC	T015.M
1911	2/18/98	WDI-VWFB-43-32-	T0-14
1912	2/18/98	WDI-VWFB-43-32-	T0-14
1913	3/20/98	TRC WDI-VWFB-4	T015
1914	3/20/98	TRC WDI-VWFB-4	T015.M
1915	3/20/98	TRC WDI-VW-43-:	T015.M
1916	2/18/98	WDI-VW41-07-01	T0-14
1917	2/18/98	WDI-VW41-07-01	T0-14
1918	3/20/98	TRC WDI-VW41-0	T015
1919	3/20/98	TRC WDI-VW41-0	T015.M
1920	3/20/98	TRC WDI-VW41-0	T015.M
1921	2/18/98	WDI-VW41-21-01	T0-14
1922	2/18/98	WDI-VW41-21-01	T0-14
1923	3/20/98	TRC WDI-VW41-2	T015
1924	3/20/98	TRC WDI-VW-41-:	T015.M
1925	3/20/98	TRC WDI-VW-41-:	T015.M
1926	2/18/98	WDI-VW41-21-01	T0-14
1927	2/18/98	WDI-VW41-21-01	T0-14
1928	3/20/98	TRC WDI-VW41-2	T015
1929	3/20/98	TRC WDI-VW41-2	T015.M
1930	3/20/98	TRC WDI-VW41-2	T015.M
1931	N/A	N/A	T0-14
1932	N/A	N/A	T0-14
1933	3/18/98	PAI Can QC #1	T015
1934	3/18/98	PAI Can QC #1	T015.M
1935	3/18/98	PAI Can QC #1	T015.M
1936	N/A	N/A	T0-14
1937	N/A	N/A	T0-14
1938	3/19/98	PAI Can QC #1	T015
1939	3/19/98	PAI Can QC #1	T015.M
1940	3/19/98	PAI Can QC #1	T015.M
1941	SURROGATE SPIKE RECOVERY RESULTS		
1942	2/18/98	WDI #94-256	T0-14
1943	QCCS RESULTS		
1944	N/A	WDI #94-256	T0-14
1945	3/6/98	25NG T0-15 QCCS	T015
1946	3/6/98	25NG T0-15 QCCS	T015.M
1947	3/6/98	25NG T0-15 QCCS	T015.M
1948	INITIAL CALIBRATIO STANDARD		
1949	TM10CALIBRATION		
1950	TM10CALIBRATION		
1951	3/6/98	25NG T0-15 STAN	T015
1952	3/6/98	25NG T0-15 STAN	T015.M
1953	3/6/98	25NG T0-15 STAN	T015.M
1954	3/6/98	5NG T0-15 STAND	T015
1955	3/6/98	5NG T0-15 STAND	T015.M
1956	3/6/98	5NG T0-15 STAND	T015.M
1957	3/6/98	10NG T0-15 STAN	T015
1958	3/6/98	10NG T0-15 STAN	T015.M
1959	3/6/98	10NG T0-15 STAN	T015.M
1960	3/6/98	50NG T0-15 STAN	T015
1961	3/6/98	50NG T0-15 STAN	T015.M
1962	3/6/98	50NG T0-15 STAN	T015.M

DISK NO. 1 OF 2
Appendix File C

TIF File No.	Date Sampled	Well I.D. No.	EPA Analysis Method
1963	3/6/98	100NG T0-15 STAI	T015
1964	3/6/98	100NG T0-15 STAI	T015.M
1965	3/6/98	100NG T0-15 STAI	T015.M
1966	CONTINUING CALIBRATION STANDARDS		
1967	3/19/98	25ng T0-15 STANI	T015.M
1968	3/19/98	25ng T0-15 STANI	T015.M
1969	3/19/98	25ng T0-15 STANI	T015
1970	3/19/98	25ng T0-15 STANI	T015.M
1971	3/19/98	25ng T0-15 STANI	T015.M
1972	3/20/98	25 ng T0-15 STANI	T015.M
1973	3/20/98	25 ng T0-15 STANI	T015.M
1974	3/20/98	25 ng T0-15 STANI	T015
1975	3/20/98	25 ng T0-15 STANI	T015.M
1976	3/20/98	25 ng T0-15 STANI	T015.M
1977	BFB TUNING & MASS CALIBRATION		
1978	3/6/98	25NG T0-15 STANI	T015.M
1979	3/19/98	25ng T0-15 STANI	T015S0M.M
1980	3/20/98	25 ng T0-15 STANI	T015.M
1981	CHAIN OF CUSTODY RECORDS		
1982	CHAIN OF CUSTODY RECORDS		
1983	FEB P9800314		
1984	LABORATORY REPORT		
1985			
1986	RESULTS OF METHANE AND TOTAL GASEOUS		
1987	2/19/98	WDI-VW45-22-01	25C
1988	2/19/98	WDI-VW45-30-01	25C
1989	2/19/98	WDI-VW51-18-01	25C
1990	2/19/98	WDI-VW51-30-01	25C
1991	2/19/98	WDI-VW51-30-01	25C
1992	2/19/98	WDI-VW39-07-01	25C
1993	2/19/98	WDI-VW39-30-01	25C
1994	2/19/98	WDI-VW37-10-01	25C
1995	2/19/98	WDI-VW37-30-01	25C
1996	2/19/98	WDI-VWFD51-18-(	25C
1997	N/A	N/A	25C
1998	2/19/98	94-256	GC/TCD
1999	RAW DATA		
2000	TM10CALIBRATION		
2001	TM10CALIBRATION		
2002	12/8/97	5000ppmC STD-1	25_11297.M
2003	12/8/97	5000ppmC STD-1	25_11297.M
2004	12/8/97	625 ppmC STD-1	25_11297.M
2005	12/8/97	625 ppmC STD-1	25_11297.M
2006	12/8/97	50ppmC STD-1	25_11297.M
2007	12/8/97	50ppmC STD-1	25_11297.M
2008	12/8/97	STD-6.25ppm-1	25_11297.M
2009	12/8/97	STD-6.25ppm-1	25_11297.M
2010	3/4/98	300ppm STD	25_11297.M
2011	3/4/98	300ppm STD	25_11297.M
2012	3/4/98	MB	25_11297.M
2013	3/4/98	MB	25_11297.M
2014	3/4/98	P98314-001 SL V	25_11297.M
2015	3/4/98	P98314-001 SL V	25_11297.M

DISK NO. 1 OF 2
Appendix File C

TIF File No.	Date Sampled	Well I.D. No.	EPA Analysis Method
2016	3/4/98	P98314-002 SL V	25_11297.M
2017	3/4/98	P98314-002 SL V	25_11297.M
2018	3/4/98	P98314-003 SL V	25_11297.M
2019	3/4/98	P98314-003 SL V	25_11297.M
2020	3/4/98	P98314-004 SL V	25_11297.M
2021	3/4/98	P98314-004 SL V	25_11297.M
2022	3/4/98	P98314-004 SL V-D	25_11297.M
2023	3/4/98	P98314-004 SL-V-D	25_11297.M
2024	3/4/98	P98314-005 NL V	25_11297.M
2025	3/4/98	P98314-005 NL V	25_11297.M
2026	3/4/98	P98314-006 NL V	25_11297.M
2027	3/4/98	P98314-006 NL V	25_11297.M
2028	3/4/98	P98314-007 NL V	25_11297.M
2029	3/4/98	P98314-007 NL V	25_11297.M
2030	3/4/98	P98314-008 NL V	25_11297.M
2031	3/4/98	P98314-005 NL V	25_11297.M
2032	3/4/98	P98314-009 SL V	25_11297.M
2033	3/4/98	P98314-009 SL V	25_11297.M
2034	3/4/98	STD-300ppm	25_11297.M
2035	3/4/98	STD-300ppm	25_11297.M
2036 TM10CALIBRATION			
2037 TM10CALIBRATION			
2038	12/2/97	STD-2mL	FXGS_25C.MTH
2039	12/2/97	STD-2mL	FXGS1203.M
2040	12/2/97	STD-1mL	FXGS_25C.MTH
2041	12/2/97	STD-1mL	FXGS1203.M
2042	12/2/97	STD-500uL	FXGS_25C.MTH
2043	12/2/97	STD-500uL	FXGS1203.M
2044	12/2/97	STD-200uL	FXGS_25C.MTH
2045	12/2/97	STD-200uL	FXGS1203.M
2046	12/2/97	STD-100uL	FXGS_25C.MTH
2047	12/2/97	STD-100uL	FXGS1203.M
2048	12/2/97	STD-50uL	FXGS_25C.MTH
2049	12/2/97	STD-50uL	FXGS1203.M
2050	3/5/98	STD-500uL	3C_1297.M
2051	3/5/98	STD-500uL	3C_1297.M
2052	3/5/98	MB-1mL	3C_1297.M
2053	3/5/98	MB-1mL	3C_1297.M
2054	3/5/98	P98-314-003	3C_1297.M
2055	3/5/98	P98-314-003	3C_1297.M
2056	3/5/98	P98-314-009	3C_1297.M
2057	3/5/98	P98-314-009	3C_1297.M
2058	3/5/98	P98-314-009 DUP	3C_1297.M
2059	3/5/98	P98-314-009 DUP	3C_1297.M
2060	3/5/98	STD-500uL	3C_1297.M
2061	3/5/98	STD-500uL	3C_1297.M
2062 RESULT OF VOLATILE ORGANIC ANALYSIS			
2063	2/19/98	WDI-VW45-22-01	T0-14
2064	2/19/98	WDI-VW45-22-01	T0-14
2065	3/25/98	TRC WDI-VW45-2	T015
2066	3/25/98	TRC WDI-VW45-2	T015.M
2067	3/25/98	TRC WDI-VW45-2	T015.M
2068	2/19/98	WDI-VW45-30-01	T0-14

DISK NO. 1 OF 2
Appendix File C

TIF File No.	Date Sampled	Well I.D. No.	EPA Analysis Method
2069	2/19/98	WDI-VW45-30-01	T0-14
2070	3/25/98	TRC WDI-VW45-3	T015
2071	3/25/98	TRC WDI-VW45-3	T015.M
2072	3/25/98	TRC WDI-VW45-3	T015.M
2073	2/19/98	WDI-VW51-18-01	T0-14
2074	2/19/98	WDI-VW51-18-01	T0-14
2075	3/26/98	TRC WDI-VW51-1	T015
2076	3/26/98	TRC WDI-VW51-1	T015.M
2077	3/26/98	TRC WDI-VW51-1	T015.M
2078	2/19/98	WDI-VW51-30-01	T0-14
2079	2/19/98	WDI-VW51-30-01	T0-14
2080	3/25/98	TRC WDI-VW51-3	T015
2081	3/25/98	TRC WDI-VW51-3	T015.M
2082	3/25/98	TRC WDI-VW51-3	T015.M
2083	2/19/98	WDI-VW39-07-01	T0-14
2084	2/19/98	WDI-VW39-07-01	T0-14
2085	3/24/98	TRC WDI-VW39-0	T015
2086	3/24/98	TRC WDI-VW39-0	T015.M
2087	3/24/98	TRC WDI-VW39-0	T015.M
2088	3/25/98	TRC WDI-VW39-0	T015
2089	3/25/98	TRC WDI-VW39-0	T015.M
2090	3/25/98	TRC WDI-VW39-0	T015.M
2091	2/19/98	WDI-VW39-30-01	T0-14
2092	2/19/98	WDI-VW39-30-01	T0-14
2093	3/24/98	TRC WDI-VW39-3	T015
2094	3/24/98	TRC WDI-VW39-3	T015.M
2095	3/24/98	TRC WDI-VW39-3	T015.M
2096	3/25/98	TRC WDI-VW39-3	T015
2097	3/25/98	TRC WDI-VW39-3	T015.M
2098	3/25/98	TRC WDI-VW39-3	T015.M
2099	2/19/98	WDI-VW37-10-01	T0-14
2100	2/19/98	WDI-VW37-10-01	T0-14
2101	3/24/98	TRC WDI-VW37-1	T015
2102	3/24/98	TRC WDI-VW37-1	T015.M
2103	3/24/98	TRC WDI-VW37-1	T015.M
2104	3/25/98	TRC WDI-VW37-1	T015
2105	3/25/98	TRC WDI-VW37-1	T015.M
2106	3/25/98	TRC WDI-VW37-1	T015.M
2107	2/19/98	WDI-VW37-10-01	T0-14
2108	2/19/98	WDI-VW37-10-01	T0-14
2109	3/24/98	TRC WDI-VW37-1	T015
2110	3/24/98	TRC WDI-VW37-1	T015.M
2111	3/24/98	TRC WDI-VW37-1	T015.M
2112	3/25/98	TRC WDI-VW37-1	T015
2113	3/25/98	TRC WDI-VW37-1	T015.M
2114	3/25/98	TRC WDI-VW37-1	T015.M
2115	2/19/98	WDI-VW37-30-01	T0-14
2116	2/19/98	WDI-VW37-30-01	T0-14
2117	3/26/98	TRC WDI-VW37-3	T015
2118	3/26/98	TRC WDI-VW37-3	T015.M
2119	3/26/98	TRC WDI-VW37-3	T015.M
2120	2/19/98	WDI-VWFD51-18-	T0-14
2121	2/19/98	WDI-VWFD51-18-	T0-14

DISK NO. 1 OF 2
Appendix File C

TIF File No.	Date Sampled	Well I.D. No.	EPA Analysis Method
2122	3/24/98	TRC WDI-VWFD5	T015
2123	3/24/98	TRC WDI-VWFD5	T015.M
2124	3/24/98	TRC WDI-VWFD5	T015.M
2125	N/A	N/A	T0-14
2126	N/A	N/A	T0-14
2127	3/23/98	T0-15 METHOD BI	T015
2128	3/23/98	T0-15 METHOD BI	T015.M
2129	3/23/98	T0-15 METHOD BI	T015.M
2130	N/A	N/A	T0-14
2131	N/A	N/A	T0-14
2132	3/23/98	PAI CAN QC#2	T015
2133	3/23/98	PAI CAN QC#2	T015.M
2134	3/23/98	PAI CAN QC#2	T015.M
2135	N/A	N/A	T0-14
2136	N/A	N/A	T0-14
2137	3/24/98	PAI CAN QC#1	T015
2138	3/24/98	PAI CAN QC#1	T015.M
2139	3/24/98	PAI CAN QC#1	T015.M
2140	SURROGATE SPIKE RECOVERY RESULTS		
2141	2/19/98	94-256	T0-14
2142	QCCS RESULTS		
2143	N/A	94-256	T0-14
2144	3/6/98	25NG T0-15 QCCS	T015
2145	3/6/98	25NG T0-15 QCCS	T015.M
2146	3/6/98	25NG T0-15 QCCS	T015.M
2147	INITIAL CALIBRATION		
2148	TM10CALIBRATION		
2149	TM10CALIBRATION		
2150	3/6/98	5NG T0-15 STAND	T015
2151	3/6/98	5NG T0-15 STAND	T015.M
2152	3/6/98	5NG T0-15 STAND	T015.M
2153	3/6/98	10NG T0-15 STAN	T015
2154	3/6/98	10NG T0-15 STAN	T015.M
2155	3/6/98	10NG T0-15 STAN	T015.M
2156	3/6/98	25NG T0-15 QCCS	T015
2157	3/6/98	25NG T0-15 QCCS	T015.M
2158	3/6/98	25NG T0-15 QCCS	T015.M
2159	3/6/98	50NG T0-15 STAN	T015
2160	3/6/98	50NG T0-15 STAN	T015.M
2161	3/6/98	50NG T0-15 STAN	T015.M
2162	3/6/98	100NG T0-15 STAN	T015
2163	3/6/98	100NG T0-15 STAN	T015.M
2164	3/6/98	100NG T0-15 STAN	T015.M
2165	CONTINUING CALIBRATION STANDARDS		
2166	TM10CALIBRATION		
2167	TM10CALIBRATION		
2168	3/23/98	25NG T0-15 STAN	T015
2169	3/23/98	25NG T0-15 STAN	T015.M
2170	3/23/98	25NG T0-15 STAN	T015.M
2171	3/24/98	25ng T0-15 STAND	T015.M
2172	3/24/98	25ng T0-15 STAND	T015.M
2173	3/24/98	25ng T0-15 STAND	T015
2174	3/24/98	25ng T0-15 STAND	T015.M

DISK NO. 1 OF 2
Appendix File C

TIF File No.	Date Sampled	Well I.D. No.	EPA Analysis Method
2175	3/24/98	25ng T0-15 S	T015.M
2176	3/25/98	25NG T0-15 S	T015.M
2177	3/25/98	25NG T0-15 STAN	T015.M
2178	3/25/98	25NG T0-15 STAN	T015
2179	3/25/98	25NG T0-15 STAN	T015.M
2180	3/25/98	25NG T0-15 STAN	T015.M
2181	BFB TUNING & MASS CALIBRATION		
2182	3/6/98	25NG T0-15 STAN	T015.M
2183	3/26/98	25NG T0-15 STAN	T015.M
2184	3/24/98	25ngT0-15 STAND.	T015.M
2185	3/25/98	25NG T0-15 STAN	T015.M
2186	CHAIN OF CUSTODY		

APPENDIX K

ANALYTICAL RESULTS OF AQUEOUS PHASE
AND PRODUCT PHASE
SAMPLING OF VAPOR WELL (VW-09)
WASTE DISPOSAL, INC. SUPERFUND SITE

TRC

WASTE DISPOSAL INC. SUPERFUND SITE

Project Coordinator

February 6, 1998 Project No. 94-256

Ms. Andria Benner
U.S. Environmental Protection Agency
75 Hawthorne Street, No. H-7-2
San Francisco, California 94105-3901

Transmittal
Analytical Results of Aqueous Phase and
Product Phase Sampling of Vapor Well (VW-09)
Waste Disposal, Inc. Superfund Site

Dear Ms. Benner:

Pursuant to the request in your February 2, 1998 letter, enclosed please find the analytical results of aqueous phase and product phase sampling of Well VW-09, conducted October 16, 1997. Also enclosed are the analytical results of subsurface gas sampling conducted on Well VW-09 on October 16, 1997.

It should be noted that the requested aqueous and product phase data had been forwarded to EPA on previous occasions, listed below:

- Facsimile transmittal to Ms. Andria Benner, VW-09 Results and Approximate Sump Boundary, dated November 17, 1997. This transmittal included both the aqueous and product phase analytical results.
- Attachment A, Results of VW-09 Sampling, TM No. 6 (Revision 1.0) - Reservoir Liquids Recovery Test, dated November 25, 1997. This transmittal included both the aqueous and product phase analytical results. This TM was delivered to the full distribution list.

If you have any questions or comments, please call me at 562-692-4535.

Sincerely,

For:

Ian A. Webster
WDIG Project Coordinator

IAW/MG:ks
Enclosures

cc: Pat Hotra, SCAQMD
Neal Navarro, Army Corps of Engineers
Andy Lazzaretto, City of Santa Fe Springs
Virginia Maloles, LA County DOHS
Clement Walsh, CADHS
Roberto Puga, TRC/ESI
Kathy Steuer, Esq., EPA, ORC
Tim Crist, CIWMB
Shawn Haddad, DTSC
Bill Nelson, ATSDR
Stan Smucker, Ph.D., EPA
Keith Elliott, RWQCB
John Wondolleck, CDM Federal
Shelby Moore, Esq., WDIG
Mike Montgomery, EPA

94-256

FRONT PART

FROM TM No. 6 (Rev. 1.0)

11/25/97

- VOC ANALYTICAL RESULTS - ATTACHMENT "A"

Performance Analytical Inc.
Air Quality Laboratory

LABORATORY REPORT

Client:	V.O.C. ANALYTICAL LABORATORIES	Date of Report:	11/07/97
Address:	801 Western Avenue	Date Received:	10/20/97
	Glendale, CA 91201	PAI Project No:	P9704133
Contact:	Mr. Roobik Yaghoubi	Purchase Order:	50046

One (1) Stainless Steel Summa Canister labeled: "G97-10-363-1"

The sample was received at the laboratory under chain of custody on October 20, 1997. The sample was received intact. The dates of analyses are indicated on the attached data sheets.

Methane Analysis

The sample was analyzed for Methane using a gas chromatograph equipped with a thermal conductivity detector.

Volatile Organic Compound Analysis

The sample was also analyzed by combined gas chromatography/mass spectrometry (GC/MS) for volatile organic compounds. The analyses were performed according to the methodology outlined in EPA Method TO-14 from the Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, EPA 600/4-84-041, U.S. Environmental Protection Agency, Research Triangle Park, NC, April, 1984 and May, 1988. The analyses were performed by gas chromatography/mass spectrometry, utilizing a direct cryogenic trapping technique. The analytical system used was comprised of a Hewlett Packard Model 5989 GC/MS/DS interfaced to an Entech 7000 automated whole air inlet system/ cryogenic concentrator. A 100% Dimethylpolysiloxane capillary column (RT_x-1, Restek Corporation, Bellefonte, PA) was used to achieve chromatographic separation.

The results of analyses are given on the attached data sheets.

Data Release Authorization:

Christopher Casteel
Manager of Technical Operations

Reviewed and Approved:

Michael Tuday
Laboratory Director

RESULTS OF METHANE ANALYSIS

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF METHANE ANALYSIS

Client: VOC Analytical

PAI Project ID: P9704133

Test Code: GC/TCD
Instrument ID: HP 5890A/TCD #1
Analyst: Wade Henton
Matrix: Summa Canister(s)

Date Sampled: 10/16/97
Date Received: 10/20/97
Date Analyzed: 10/28/97
Volume(s) Analyzed: 1.00 (ml)
0.10 (ml)

Client Sample ID	PAI Sample ID	D.F.	Methane (%, v/v) Result	Reporting Limit
G97-10-363-1	P9704133-001	1.24	38.2	0.200
G97-10-363-1	Lab Duplicate	1.24	38.1	0.200
N/A (10/28/97)	Method Blank	1.00	ND	0.0200

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : SBG

Date : 11/3/97

20454 Osborne Street • Canoga Park, CA 91304 • Phone 818-704-0130 • Fax 818-704-2915

RAW DATA

PERFORMANCE ANALYTICAL INC.

REPORT SUMMARYS FIXED GASES BY GC/TCD
CLIENT : VOC Analytical
Analyst : WHH
PAI Job : P9704133

Printed : 11/7/97
Instrument : GC #1 / TCD #1
Date analyzed : 10/28/97
Sample amount : 100uL

Sample Result

Sample ID	Hydrogen	Oxygen	Nitrogen	Carbon Monoxide	Methane	Carbon Dioxide	Pi1	Pf1	Pi2	Pf2
STD-500ul-10/28/97	41515	48750	48749	48687	38543	47186				
ACTUAL	39900	49900	49900	49900	39900	49900				
% DIFFER.	4.0%	2.3%	2.3%	2.4%	3.4%	5.4%				
MB										
LAB AIR		199441	722513			654				
4133-001-100uL		42305	411496		296471	25345	-0.4	3.0		
4133-001-100uLDP		42139	408360		293197	24932	-0.4	3.0		
STD-500uL-END	40887	48604	48783	48343	38195	46706				
ACTUAL	39900	49900	49900	49900	39900	49900				
% DIFFER.	2.5%	2.6%	2.2%	3.1%	4.3%	6.4%				

Sample Result ppm with the DILUTION FACTOR

Sample ID	Hydrogen	Oxygen	Nitrogen	Carbon Monoxide	Methane	Carbon Dioxide	Total	D.F.
LAB AIR		199441	722513			654	92.3	1.00
4133-001-100uL		52364	509334		366960	31371	96.0	1.24
4133-001-100uLDP		52159	505452		362908	30860	95.1	1.24

Sample Result (Normalized)

Sample ID	Hydrogen	Oxygen	Nitrogen	Carbon Monoxide	Methane	Carbon Dioxide	Total
MDL ppm *	200	300	1000	200	200	200	
LAB-AIR	ND	216149	783042	ND	ND	709	99.99
4133-001-100uL	ND	54538	530487	ND	382200	32674	99.99
4133-001-100uLDP	ND	54819	531231	ND	381417	32434	99.99

Response Factor Report GC#1

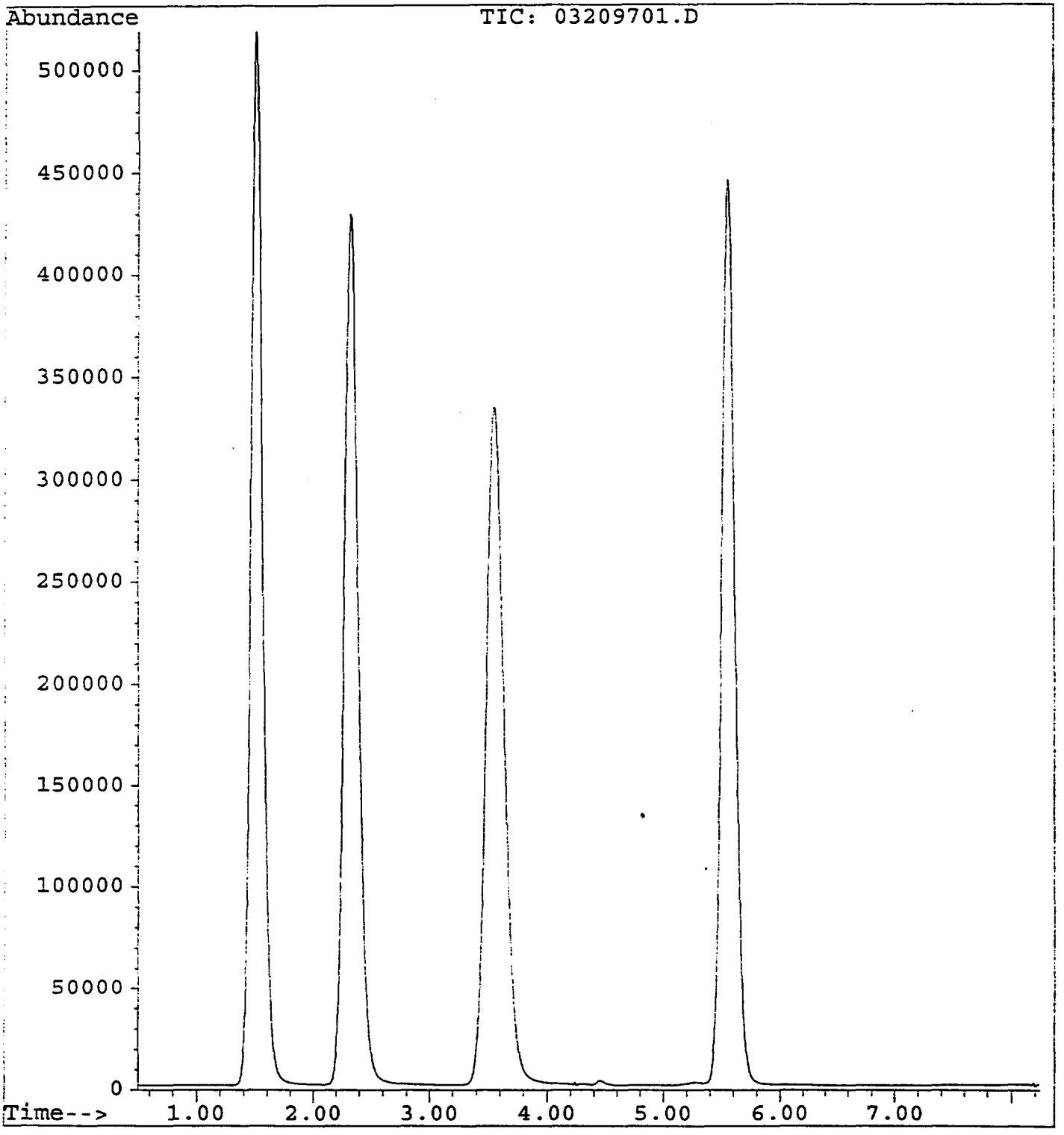
Method : H:\GC1\METHODS\25C.M
Title : EPA 25C TCA/FID Analysis for TGNMO
Last Update : Fri Apr 25 07:48:54 1997
Response via : Initial Calibration

Calibration Files
5000 =03209701.D 2500 =03209702.D 1000 =03209703.D
250 =03209704.D 50 =03209705.D 10 =03209706.D

	Compound	5000	2500	1000	250	50	10	Avg	%RS
1)	Carbon Monoxide	7.3	7.3	7.8	7.2	7.2	7.3	7.4 E3	3.7
2)	Methane	7.2	7.2	7.8	7.0	7.0	5.7	6.8 E3	11.4
3)	Carbon Dioxide	7.2	7.2	7.7	6.8	7.1	7.3	7.3 E3	6.1
4)	TGNMO-1	7.8	7.7	8.2	7.3	7.2	6.3	7.3 E3	8.6

(#) = Out of Range ### Number of calibration levels exceeded format ###

File : H:\GC1\DATA\25C\STD\03209701.D
Operator :
Acquired : 20 Mar 97 07:37 AM using AcqMethod FIXEDGAS.MTH
Instrument : GC#1
Sample Name: STD 5000ppm 3/20/97
Misc Info :
Vial Number: 1



Quantitation Report

Data File : H:\GC1\DATA\25C\STD\03209701.D
Acq On : 20 Mar 97 07:37 AM
Sample : STD 5000ppm 3/20/97
Misc :
Quant Time: Mar 20 8:08 1997

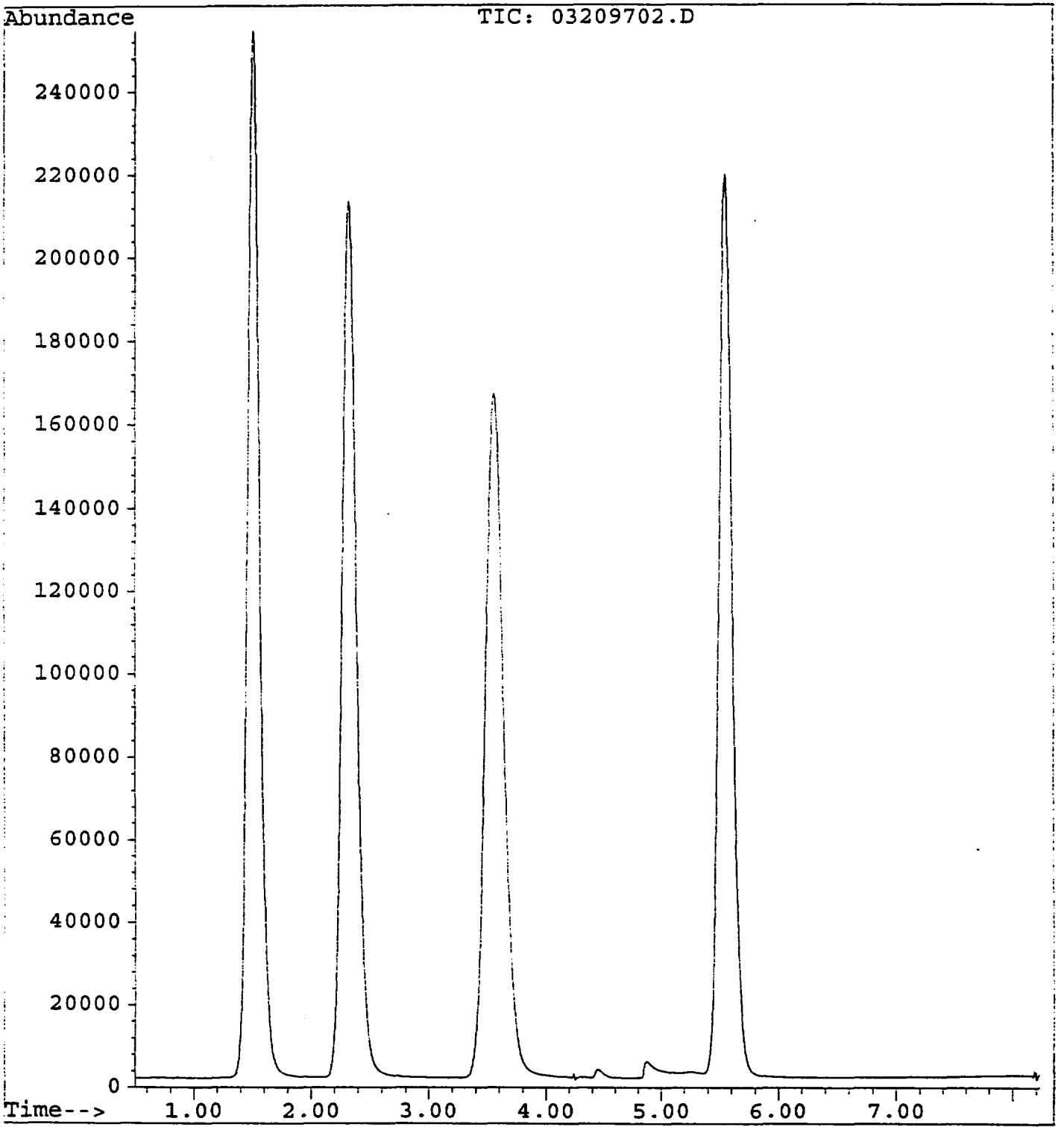
Vial: 1
Operator:
Inst : GC#1
Multiplr: 1.00

Method : H:\GC1\METHODS\25C.M
Title : EPA 25C TCA/FID Analysis for TGNMO
Last Update : Fri Apr 25 07:48:54 1997
Response via : Single Level Calibration

Volume Inj. :
Signal Phase :
Signal Info :

	Compound	R.T.	Response	Conc	Units	
	Target Compounds					
1)	Carbon Monoxide	1.51	36492566	NoCal	ppm	
2)	Methane	2.33	36194008	NoCal	ppm	
3)	Carbon Dioxide	3.56	35972145	NoCal	ppm	m
4)	TGNMO-1	5.55	35193561	NoCal	ppm	

File : H:\GC1\DATA\25C\STD\03209702.D
Operator :
Acquired : 20 Mar 97 07:59 AM using AcqMethod FIXEDGAS.MTH
Instrument : GC#1
Sample Name: STD 2500ppM 3/20/97
Misc Info :
Vial Number: 3



Quantitation Report

Data File : H:\GC1\DATA\25C\STD\03209702.D
Acq On : 20 Mar 97 07:59 AM
Sample : STD 2500ppM 3/20/97
Misc :
Quant Time: Mar 20 8:09 1997

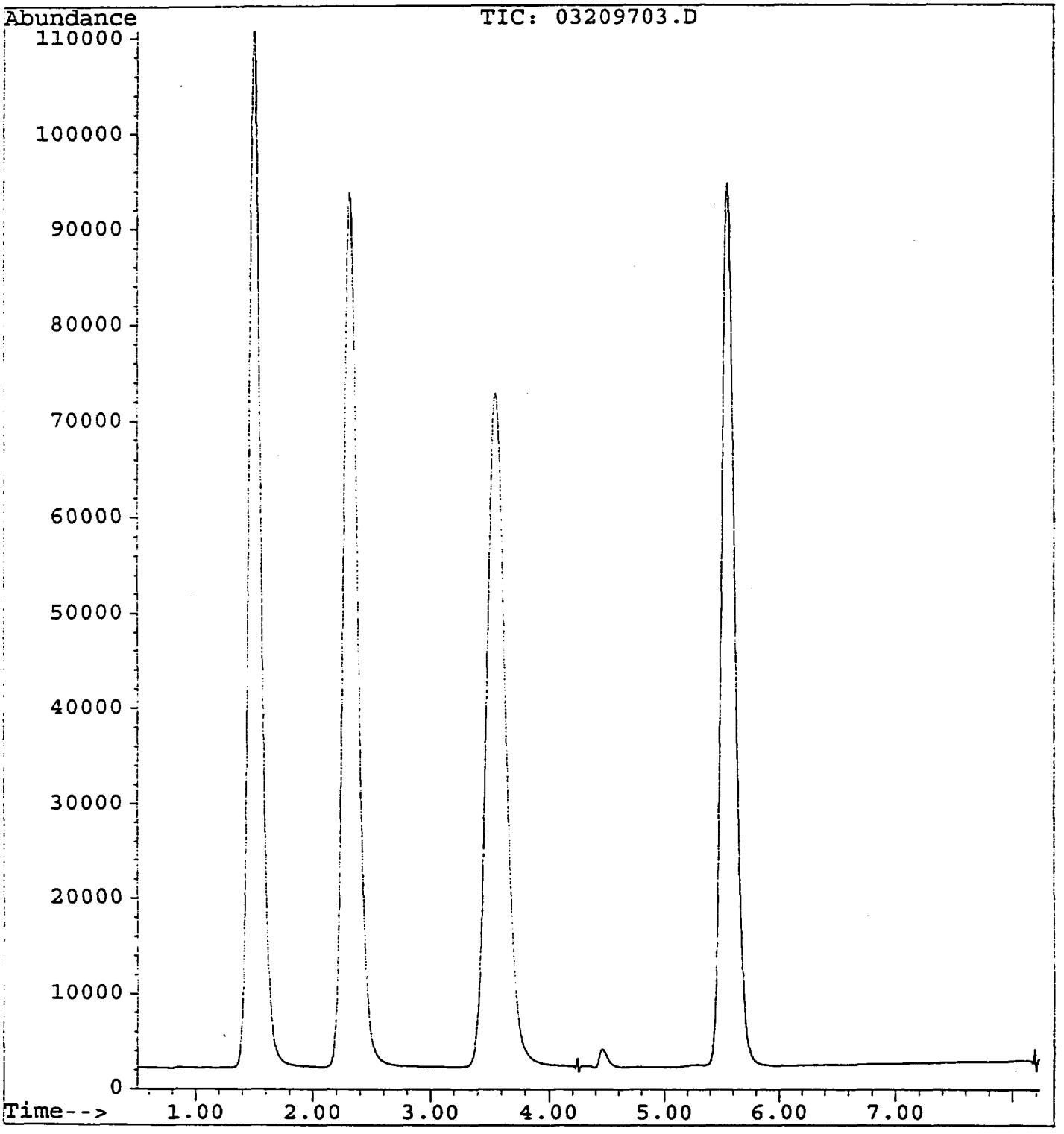
Vial: 3
Operator:
Inst : GC#1
Multiplr: 1.00

Method : H:\GC1\METHODS\25C.M
Title : EPA 25C TCA/FID Analysis for TGNMO
Last Update : Fri Apr 25 07:48:54 1997
Response via : Single Level Calibration

Volume Inj. :
Signal Phase :
Signal Info :

	Compound	R.T.	Response	Conc	Units	
	Target Compounds					
1)	Carbon Monoxide	1.51	18229378	2497.684	ppm	
2)	Methane	2.33	18010692	2488.076	ppm	
3)	Carbon Dioxide	3.56	17932834	2492.600	ppm	
4)	TGNMO-1	5.55	17260390	2452.209	ppm	m

File : H:\GC1\DATA\25C\STD\03209703.D
Operator :
Acquired : 20 Mar 97 08:14 AM using AcqMethod FIXEDGAS.MTH
Instrument : GC#1
Sample Name: STD 1000ppm 3/20/97
Misc Info :
Vial Number: 5



Quantitation Report

Data File : H:\GC1\DATA\25C\STD\03209703.D
Acq On : 20 Mar 97 08:14 AM
Sample : STD 1000ppm 3/20/97
Misc :
Quant Time: Mar 20 9:03 1997

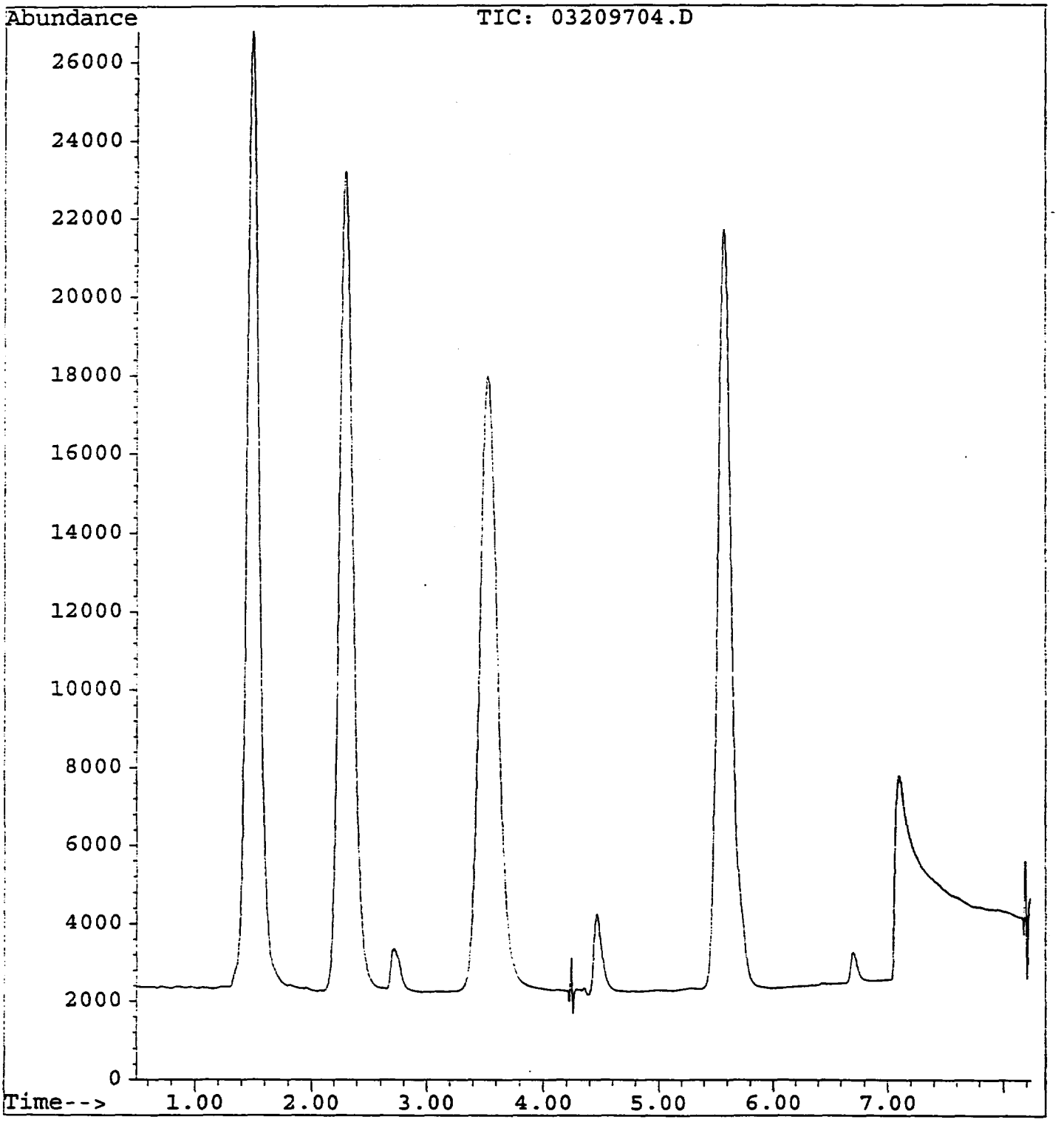
Vial: 5
Operator:
Inst : GC#1
Multiplr: 1.00

Method : H:\GC1\METHODS\25C.M
Title : EPA 25C TCA/FID Analysis for TGNMO
Last Update : Fri Apr 25 07:48:54 1997
Response via : Multiple Level Calibration

Volume Inj. :
Signal Phase :
Signal Info :

	Compound	R.T.	Response	Conc Units
	Target Compounds			
1)	Carbon Monoxide	1.51	7825489	1072.700 ppm
2)	Methane	2.32	7758079	1074.297 ppm
3)	Carbon Dioxide	3.56	7707779	1072.942 ppm
4)	TGNMO-1	5.56	7411536	1063.129 ppm

File : H:\GC1\DATA\25C\STD\03209704.D
Operator :
Acquired : 20 Mar 97 08:30 AM using AcqMethod FIXEDGAS.MTH
Instrument : GC#1
Sample Name: STD 250ppm 3/20/97
Misc Info :
Vial Number: 6



Quantitation Report

Data File : H:\GC1\DATA\25C\STD\03209704.D
Acq On : 20 Mar 97 08:30 AM
Sample : STD 250ppm 3/20/97
Misc :
Quant Time: Mar 20 9:04 1997

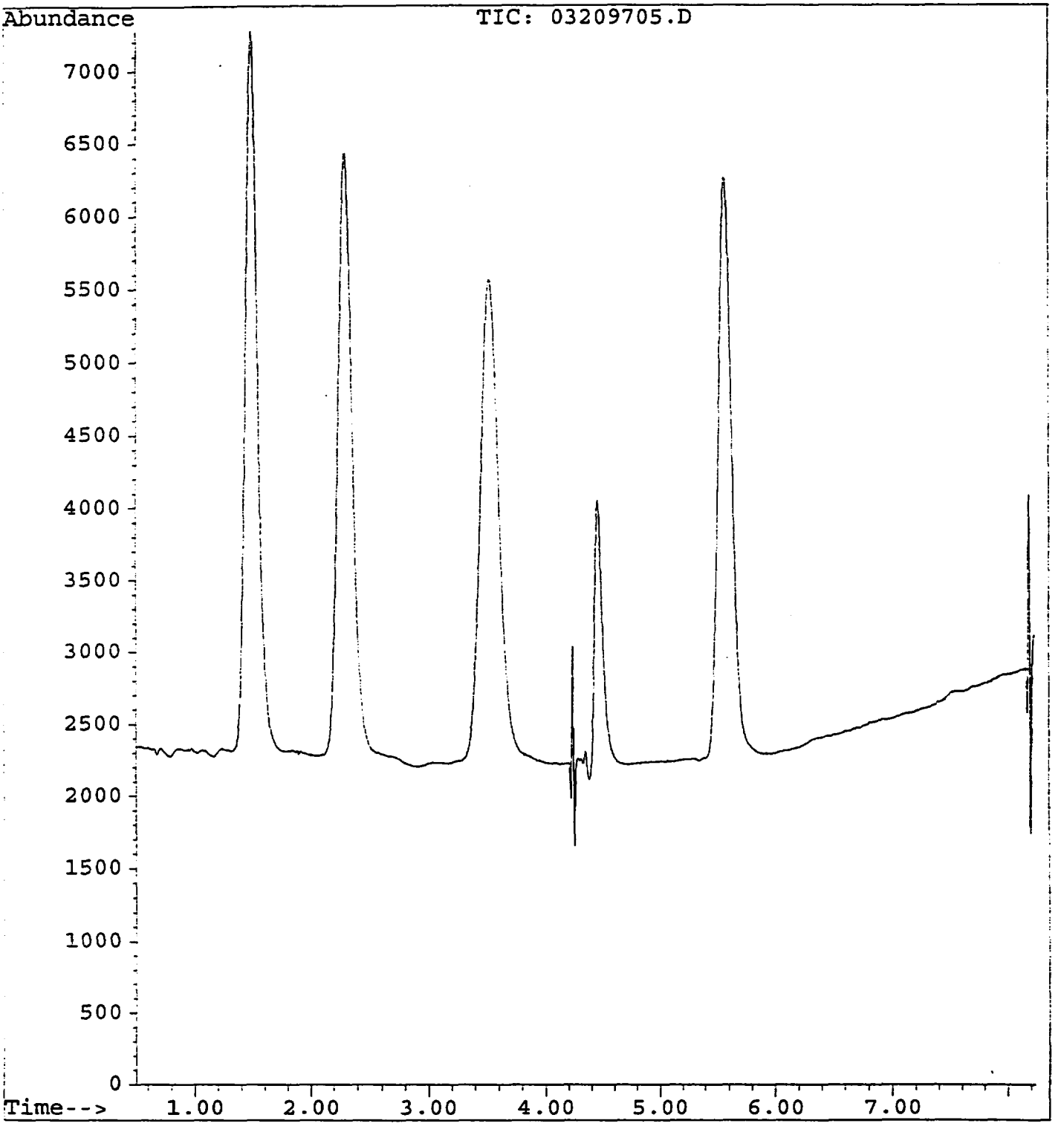
Vial: 6
Operator:
Inst : GC#1
Multiplr: 1.00

Method : H:\GC1\METHODS\25C.M
Title : EPA 25C TCA/FID Analysis for TGNMO
Last Update : Fri Apr 25 07:48:54 1997
Response via : Multiple Level Calibration

Volume Inj. :
Signal Phase :
Signal Info :

	Compound	R.T.	Response	Conc Units
	Target Compounds			
1)	Carbon Monoxide	1.49	1801373	241.086 ppm
2)	Methane	2.30	1755728	237.248 ppm
3)	Carbon Dioxide	3.53	1693157	230.097 ppm
4)	TGNMO-1	5.57	1633288	229.455 ppm

File : H:\GC1\DATA\25C\STD\03209705.D
Operator :
Acquired : 20 Mar 97 08:44 AM using AcqMethod FIXEDGAS.MTH
Instrument : GC#1
Sample Name: STD 50ppm 3/20/97
Misc Info :
Vial Number: 7



Quantitation Report

Data File : H:\GC1\DATA\25C\STD\03209705.D
Acq On : 20 Mar 97 08:44 AM
Sample : STD 50ppm 3/20/97
Misc :
Quant Time: Mar 20 9:06 1997

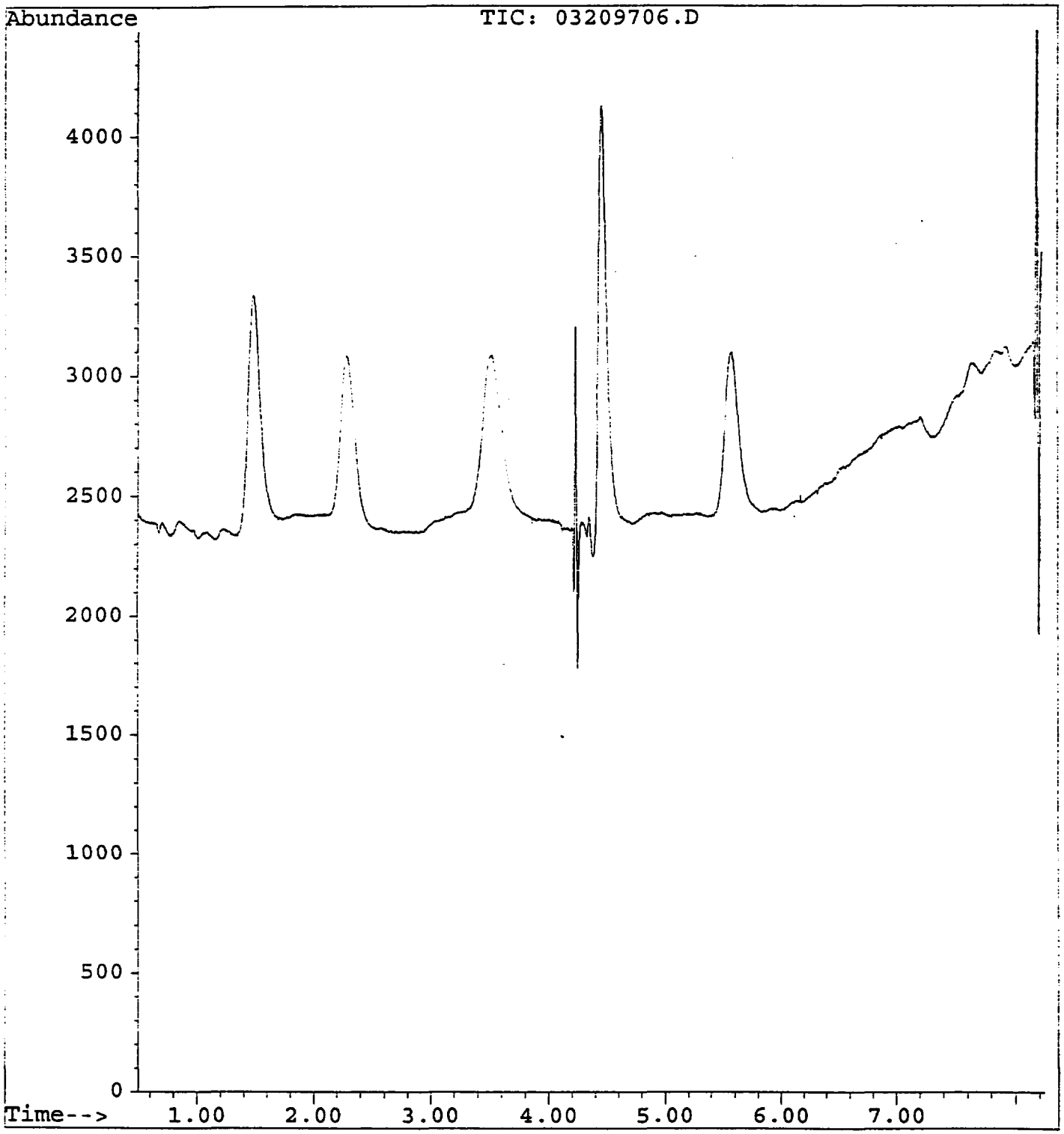
Vial: 7
Operator:
Inst : GC#1
Multiplr: 1.00

Method : H:\GC1\METHODS\25C.M
Title : EPA 25C TCA/FID Analysis for TGNMO
Last Update : Fri Apr 25 07:48:54 1997
Response via : Multiple Level Calibration

Volume Inj. :
Signal Phase :
Signal Info :

	Compound	R.T.	Response	Conc Units
	Target Compounds			
1)	Carbon Monoxide	1.49	362287	48.923 ppm
2)	Methane	2.30	349644	47.857 ppm
3)	Carbon Dioxide	3.53	356304	49.404 ppm
4)	TGNMO-1	5.58	323573	46.411 ppm

File : H:\GC1\DATA\25C\STD\03209706.D
Operator :
Acquired : 20 Mar 97 08:56 AM using AcqMethod FIXEDGAS.MTH
Instrument : GC#1
Sample Name: STD 10ppm 3/20/97
Misc Info :
Vial Number: 8



Quantitation Report

Data File : H:\GC1\DATA\25C\STD\03209706.D
Acq On : 20 Mar 97 08:56 AM
Sample : STD 10ppm 3/20/97
Misc :
Quant Time: Mar 20 9:08 1997

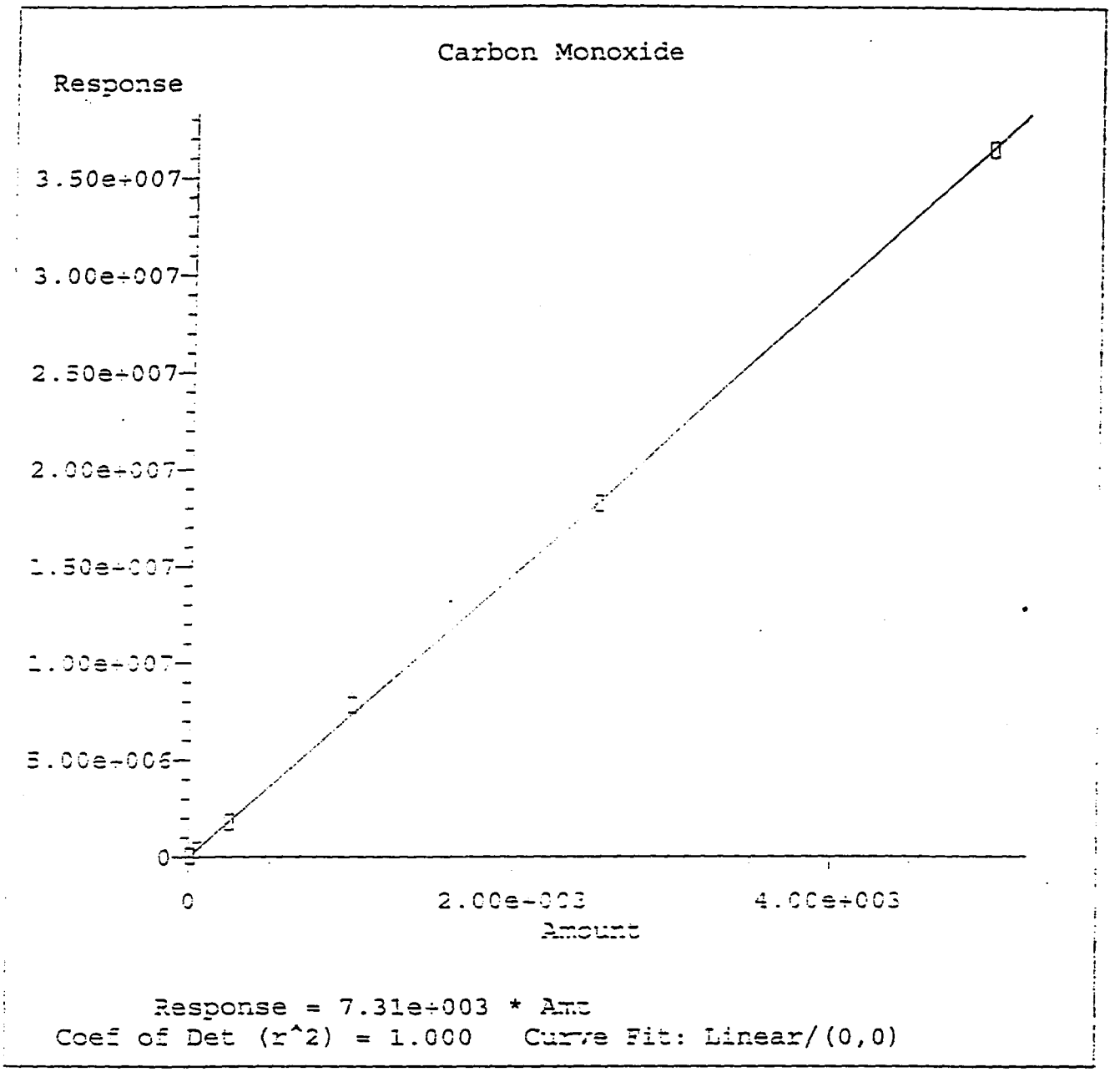
Vial: 8
Operator:
Inst : GC#1
Multiplr: 1.00

Method : H:\GC1\METHODS\25C.M
Title : EPA 25C TCA/FID Analysis for TGNMO
Last Update : Fri Apr 25 07:48:54 1997
Response via : Multiple Level Calibration

Volume Inj. :
Signal Phase :
Signal Info :

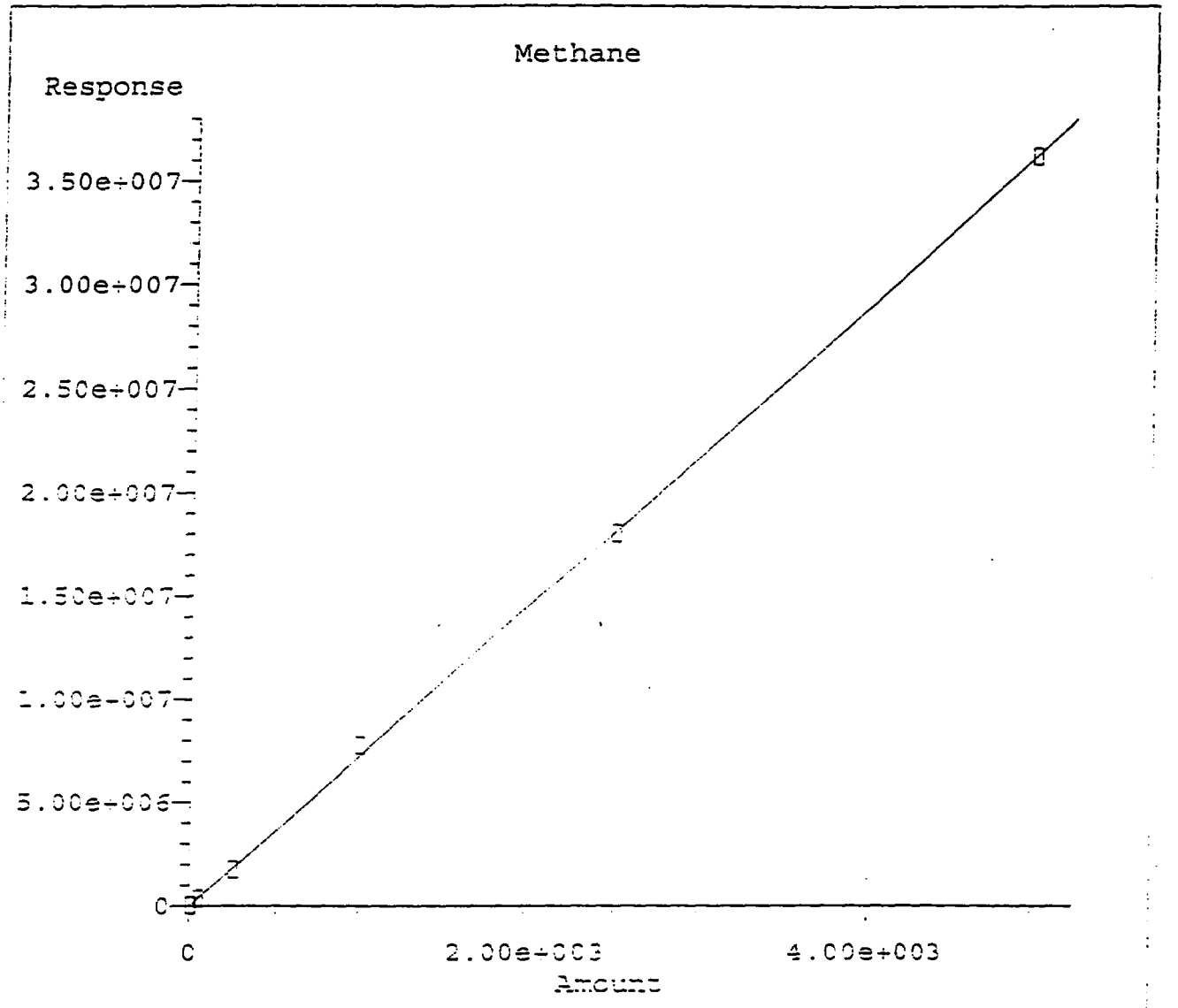
	Compound	R.T.	Response	Conc	Units	
	Target Compounds					
1)	Carbon Monoxide	1.49	72876	9.884	ppm	m
2)	Methane	2.30	57427	7.928	ppm	
3)	Carbon Dioxide	3.53	72996	10.146	ppm	m
4)	TGNMO-1	5.58	57093	8.308	ppm	

Method 25C



Method Name: H:\GC1\METHODS\25C.M
Calibration Table Last Updated: Fri May 16 10:23:03 1997

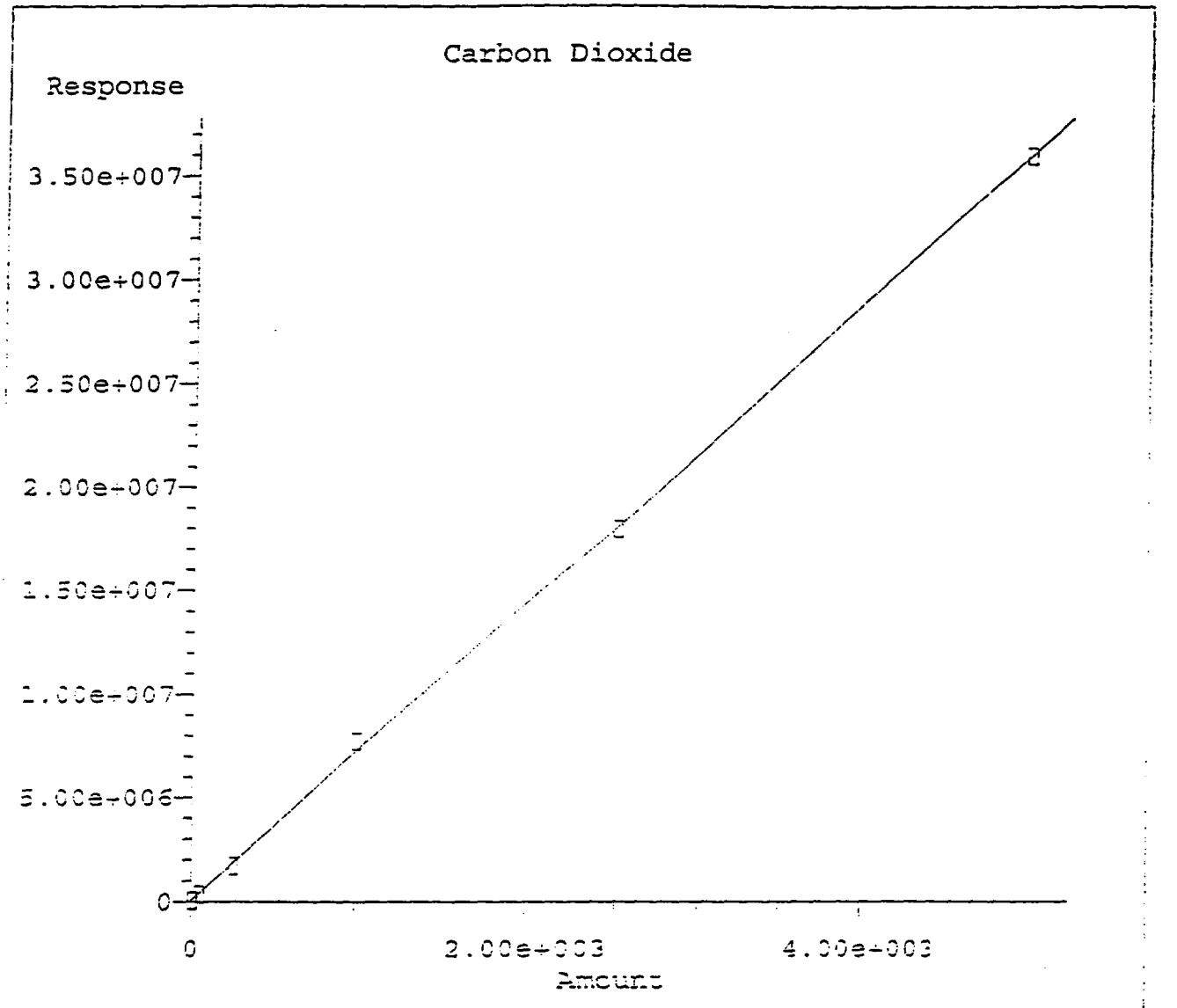
Method 25C



Response = 7.25e+003 * Amt
Coef of Det (r^2) = 1.000 Curve Fit: Linear/(0,0)

Method Name: H:\GC1\METHODS\25C.M
Calibration Table Last Updated: Fri May 16 10:23:03 1997

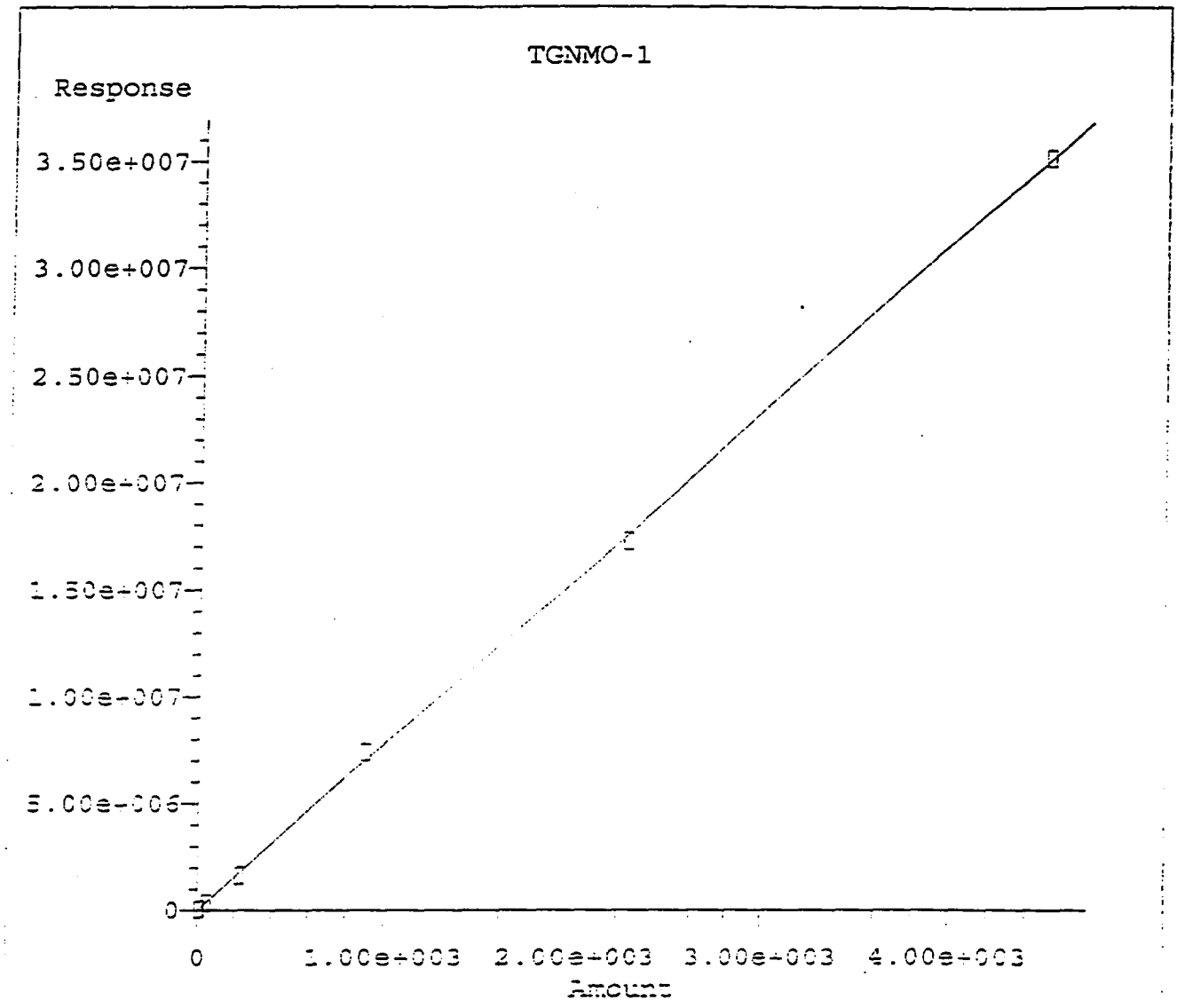
Method 25C



Response = 7.19e+003 * Amt + 5.67e+004
Coef of Det (r^2) = 1.000 Curve Fit: Linear

Method Name: H:\GC1\METHODS\25C.M
Calibration Table Last Updated: Fri May 16 10:23:03 1997

Method 25C



Response = 7.80e+003 * Amt
Coef of Det (r^2) = 1.000 Curve Fit: Linear/(0,0)

Method Name: H:\GC1\METHODS\25C.M
Calibration Table Last Updated: Fri May 16 10:23:03 1997

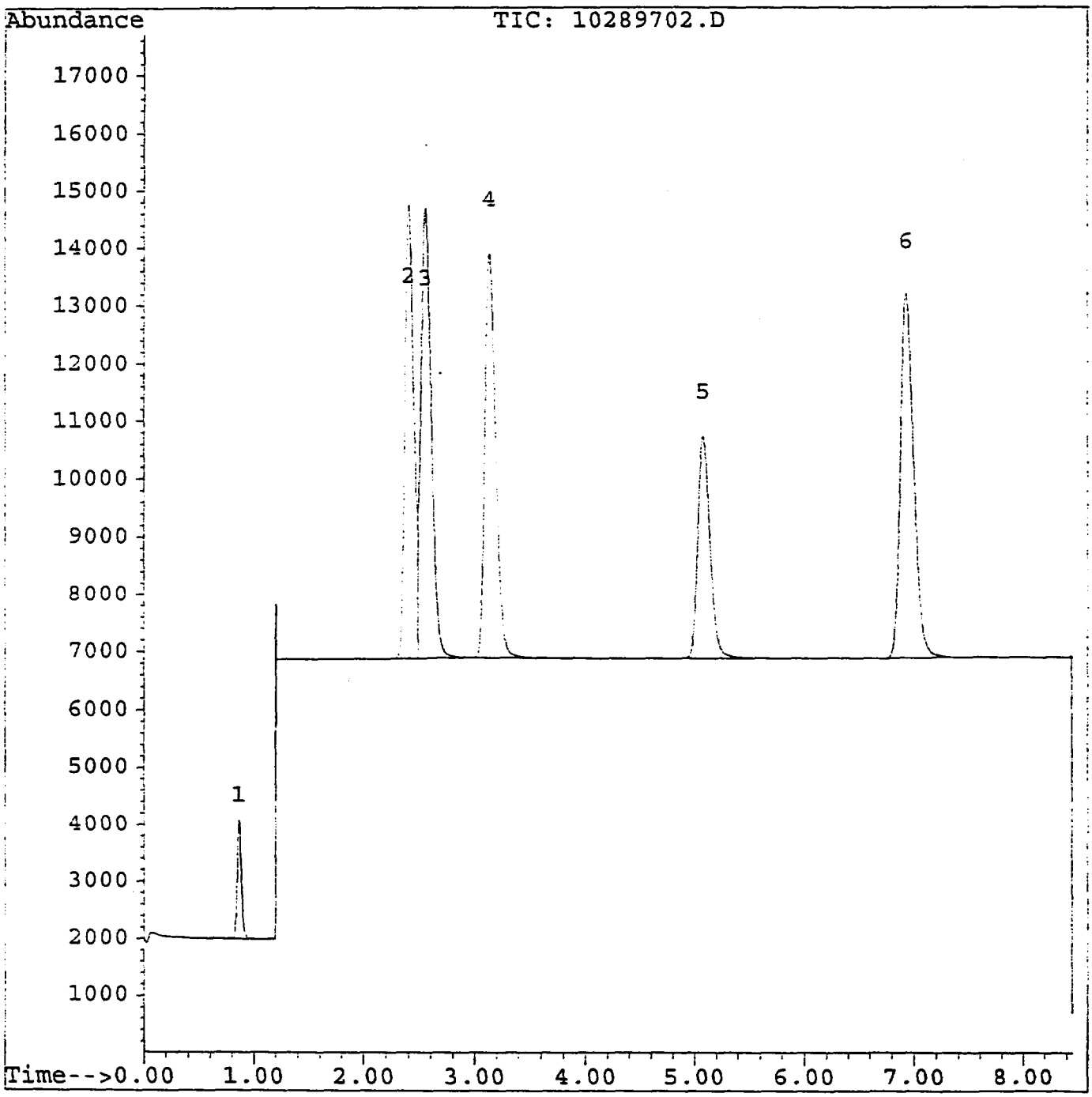
Quantitation Report

Data File : H:\GC1\DATA\FXG\102897\10289702.D
Acq On : 28 Oct 97 04:05 PM
Sample : STD-500uL-10/28
Misc :
Quant Time: Oct 28 16:14 1997

Vial: 1
Operator: WHH
Inst : GC#1
Multiplr: 2.00

Method : H:\GC1\METHODS\FIXEDGAS.M
Title : EPA 25C TCA/FID Analysis for TGNMO
Last Update : Thu Jun 05 07:21:38 1997
Response via : Multiple Level Calibration

Volume Inj. : 100ul
Signal Phase : CarboSieve Packed Column
Signal Info :



Quantitation Report

Data File : H:\GC1\DATA\FXG\102897\10289702.D
Acq On : 28 Oct 97 04:05 PM
Sample : STD-500uL-10/28
Misc :
Quant Time: Oct 28 16:14 1997

Vial: 1
Operator: WHH
Inst : GC#1
Multiplr: 2.00

Method : H:\GC1\METHODS\FIXEDGAS.M
Title : EPA 25C TCA/FID Analysis for TGNMO
Last Update : Thu Jun 05 07:21:38 1997
Response via : Multiple Level Calibration

Volume Inj. : 100ul
Signal Phase : CarboSieve Packed Column
Signal Info :

	Compound	R.T.	Response	Conc	Units
	Target Compounds				
1)	Hydrogen	0.87	56240	41514.688	ppm
2)	Oxygen	2.40	427978	48750.380	ppm
3)	Nitrogen	2.55	520112	48749.061	ppm
4)	Carbon Monoxide	3.14	474400	48686.616	ppm
5)	Methane	5.08	299478	38542.725	ppm
6)	Carbon Dioxide	6.93	529178	47186.068	ppm

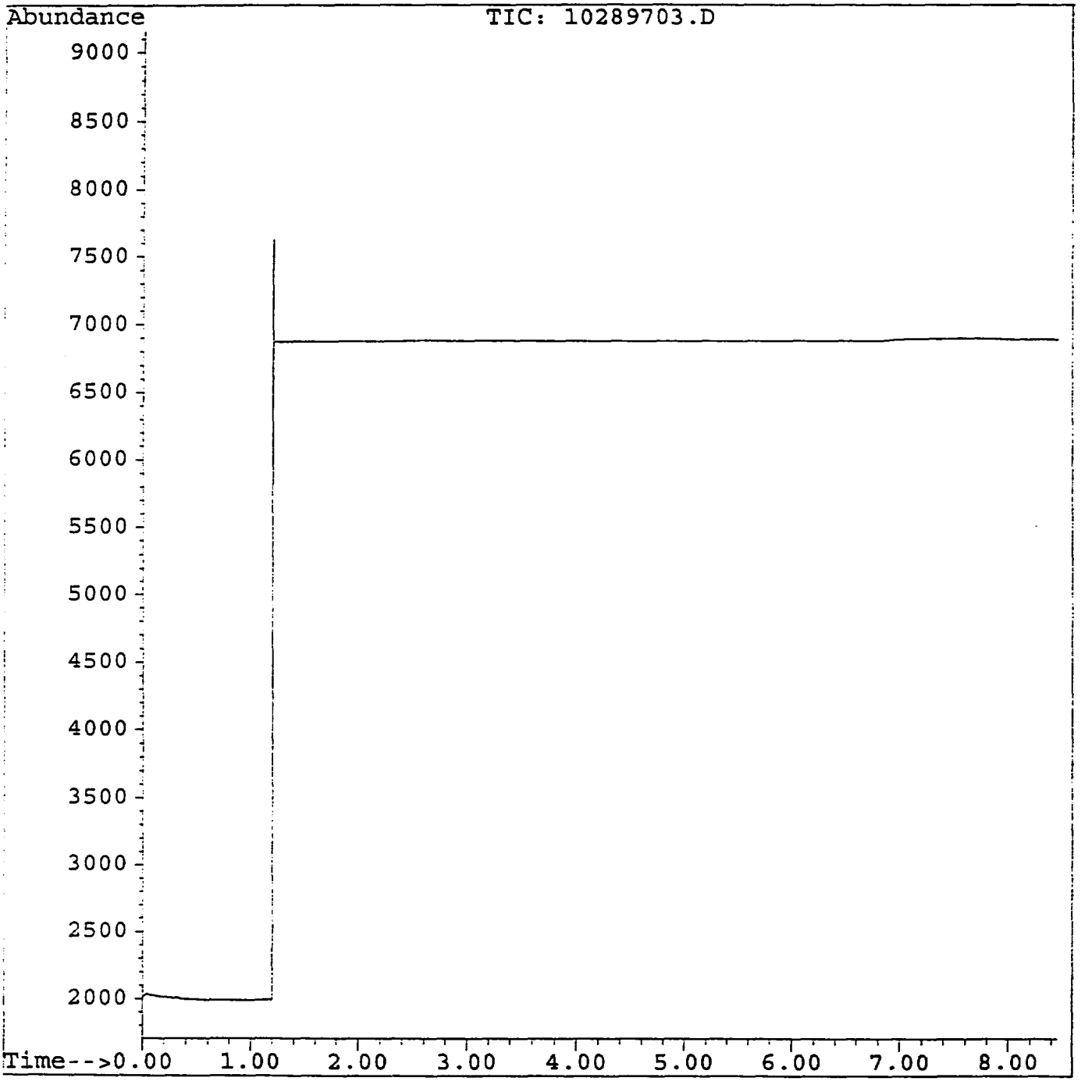
Quantitation Report

Data File : H:\GC1\DATA\FXG\102897\10289703.D
Acq On : 28 Oct 97 04:18 PM
Sample : MB-1mL-10/28
Misc :
Quant Time: Oct 28 16:45 1997

Vial: 1
Operator: WHH
Inst : GC#1
Multiplr: 1.00

Method : H:\GC1\METHODS\FIXEDGAS.M
Title : EPA 25C TCA/FID Analysis for TGNMO
Last Update : Thu Jun 05 07:21:38 1997
Response via : Multiple Level Calibration

Volume Inj. : 100ul
Signal Phase : CarboSieve Packed Column
Signal Info :



Quantitation Report

Data File : H:\GC1\DATA\FXG\102897\10289703.D
Acq On : 28 Oct 97 04:18 PM
Sample : MB-1mL-10/28
Misc :
Quant Time: Oct 28 16:45 1997

Vial: 1
Operator: WHH
Inst : GC#1
Multiplr: 1.00

Method : H:\GC1\METHODS\FIXEDGAS.M
Title : EPA 25C TCA/FID Analysis for TGNMO
Last Update : Thu Jun 05 07:21:38 1997
Response via : Multiple Level Calibration

Volume Inj. : 100ul
Signal Phase : CarboSieve Packed Column
Signal Info :

	Compound	R.T.	Response	Conc	Units
Target Compounds					
1)	Hydrogen	0.00	0	N.D.	ppm
2)	Oxygen	0.00	0	N.D.	ppm
3)	Nitrogen	0.00	0	N.D.	ppm
4)	Carbon Monoxide	0.00	0	N.D.	ppm
5)	Methane	0.00	0	N.D.	ppm
6)	Carbon Dioxide	0.00	0	N.D.	ppm

File	C:\HPCHEM\1\DATA\S110397\11039706.D
Operator	CJC
Date	3 Nov 97 12:47 pm
Sample	VOC G97-10-363-1 (1.0 ml)[-0.4,3.0]4133-001
Conditions	5989A/ENTECH 7000

CPD #	Compound	RRT(L)	Area	RRF	Amount	Units	PPB(V)
1	BROMOCHLOROMETHANE	11.88	144751	1.000	50.00	NG	**
2	PROPENE	4.04	701306	10.372	~~23.36~~	NG	13.60
3	DICHLORODIFLUOROMETHANE	0.00	0	4.136	~~0.00~~	NG	0.00
4	CHLOROMETHANE	0.00	0	5.433	~~0.00~~	NG	0.00
5	DICHLOROTETRAFLUOROETHA	0.00	0	3.500	~~0.00~~	NG	0.00
6	VINYL CHLORIDE	4.99	542123	4.932	37.97	NG	14.98
7	1,3-BUTADIENE	5.22	1259	5.509	~~0.08~~	NG	0.04
8	BROMOMETHANE	0.00	0	2.396	~~0.00~~	NG	0.00
9	CHLOROETHANE	0.00	0	2.877	~~0.00~~	NG	0.00
10	ETHANOL	6.18	69	3.308	~~0.01~~	NG	0.00
11	ACETONITRILE	6.80	8848	9.056	~~0.34~~	NG	0.20
12	ACROLEIN	0.00	0	2.512	~~0.00~~	NG	0.00
13	ACETONE	7.31	622451	2.931	~~73.36~~	NG	30.94
14	PROPYLENE OXIDE	7.31	622451	2.132	~~100.86~~	NG	42.54
15	TRICHLOROFLUOROMETHANE	0.00	0	3.054	~~0.00~~	NG	0.00
16	ISOPROPYL ALCOHOL	7.58	4545	10.412	~~0.15~~	NG	0.06
17	ACRYLONITRILE	7.97	6808	6.497	~~0.36~~	NG	0.17
18	tert-BUTANOL	8.53	1095	8.179	~~0.05~~	NG	0.02
19	1,1-DICHLOROETHENE	8.60	2027	5.090	~~0.14~~	NG	0.04
20	METHYLENE CHLORIDE	8.76	8737	5.341	~~0.57~~	NG	0.16
21	ALLYL CHLORIDE	0.00	0	1.844	~~0.00~~	NG	0.00
22	TRICHLOROTRIFLUOROETHANE	0.00	0	2.755	~~0.00~~	NG	0.00
23	CARBON DISULFIDE	9.34	16180	11.798	~~0.47~~	NG	0.15
24	trans-1,2-DICHLOROETHENE	10.19	7299	4.940	~~0.51~~	NG	0.13
25	1,1-DICHLOROETHANE	10.59	36028	5.963	~~2.09~~	NG	0.52
26	cis-1,2-DICHLOROETHENE	11.64	174322	4.600	13.09	NG	3.34
27	t-BUTYL METHYL ETHER	10.50	490	9.201	~~0.02~~	NG	0.01
28	VINYL ACETATE	10.59	4745306	16.809	~~97.52~~	NG	27.74
29	2-BUTANONE	10.70	14396505	13.816	~~353.94~~	NG	122.28
30	3-METHYL PENTANE	11.29	11013771	9.188	414.04	NG	117.76
31	ETHYL ACETATE	11.91	7996937	14.508	~~190.40~~	NG	52.92
32	n-HEXANE	11.92	9351516	7.278	443.83	NG	126.23
33	CHLOROFORM	12.07	67	4.650	~~0.00~~	NG	0.00
34	2-METHYL-1-PROPANOL	0.00	0	6.399	~~0.00~~	NG	0.00
35	1,2-DICHLOROETHANE-D4	12.96	360228	3.076	40.46	NG	**
36	1,2-DICHLOROETHANE	13.14	29554	4.223	~~2.42~~	NG	0.60
37	1,4-DIFLUOROBENZENE	14.51	1039195	1.000	50.00	NG	**
38	1,1,1-TRICHLOROETHANE	13.51	81	0.508	~~0.01~~	NG	0.00
39	1-BUTANOL	13.81	2926	0.587	~~0.24~~	NG	0.08
40	BENZENE	14.14	3003328	1.838	78.62	NG	24.66
41	CARBON TETRACHLORIDE	0.00	0	0.398	~~0.00~~	NG	0.00
42	VALERALDEHYDE (PENTANAL)	14.99	195487	1.191	~~7.90~~	NG	2.25
43	1,2-DICHLOROPROPANE	15.42	19108	0.526	~~1.75~~	NG	0.38
44	1,4-DIOXANE	15.33	138	0.339	~~0.02~~	NG	0.01

File	C:\HPCHEM\1\DATA\S110397\11039706.D
Operator	CJC
Date	3 Nov 97 12:47 pm
Sample	VOC G97-10-363-1 (1.0 ml)(-0.4,3.0)4133-001
Conditions	5989A/ENTECH 7000

CPD #	Compound	RRT	Area	RRF	Amount	Units	
45	BROMODICHLOROMETHANE	15.53	927358	0.531	83.99	NG	12.68
46	TRICHLOROETHENE	15.59	15359	0.349	2.12	NG	0.40
47	EPICHLOROHYDRIN	15.62	15811	0.074	10.26	NG	2.73
48	METHYL METHACRYLATE	15.63	4766270	1.065	215.26	NG	52.65
49	HEPTANE	15.89	6865946	1.443	228.88	NG	55.98
50	cis-1,3-DICHLOROPROPENE	17.01	3448	0.717	0.23	NG	0.05
51	4-METHYL-2-PENTANONE	16.81	48589	1.857	1.26	NG	0.31
52	DIMETHYL DISULFIDE	17.05	364	0.568	0.03	NG	0.01
53	trans-1,3-DICHLOROPROPENE	17.61	68	0.675	0.00	NG	0.00
54	1,1,2-TRICHLOROETHANE	17.66	177259	0.365	23.38	NG	4.33
55	CHLOROBENZENE-D5	21.08	725964	1.000	50.00	NG	**
56	TOLUENE-D8	18.12	1213687	1.765	47.36	NG	**
57	1,3-DICHLOROPROPANE	18.27	6040	1.272	0.33	NG	0.07
58	TOLUENE	18.28	1785111	2.512	48.94	NG	13.01
59	2-HEXANONE	18.43	5368043	2.645	139.80	NG	34.19
60	HEXANAL	18.72	74020	0.968	5.27	NG	1.29
61	DIBROMOCHLOROMETHANE	0.00	0	0.516	0.00	NG	0.00
62	BUTYL ACETATE	19.52	150778	3.241	3.20	NG	0.68
63	TETRAHYDROTHIOPHENE	19.47	67	1.079	0.00	NG	0.00
64	OCTANE	19.65	3630339	3.172	78.83	NG	16.91
65	1,2-DIBROMOETHANE	19.20	63	0.598	0.01	NG	0.00
66	TETRACHLOROETHENE	20.05	374	0.415	0.06	NG	0.01
67	CHLOROBENZENE	21.18	288943	1.441	13.81	NG	3.02
68	ETHYLBENZENE	21.73	182039	0.879	14.27	NG	3.29
69	m & p - XYLENES	22.00	974799	1.140	58.91	NG	13.59
70	BROMOFORM	0.00	0	0.385	0.00	NG	0.00
71	STYRENE	22.68	2900	1.705	0.12	NG	0.03
72	2-BUTOXYETHANOL	23.08	1180408	2.180	37.30	NG	7.73
73	1,1,2,2-TETRACHLOROETHANE	22.73	54277	1.076	3.47	NG	0.51
74	NONANE	23.07	1517342	2.929	35.68	NG	6.82
75	o - XYLENE	22.85	233298	1.063	15.11	NG	3.49
76	CUMENE	23.90	93330	2.400	2.68	NG	0.55
77	1-HEPTANOL	24.75	45929	0.218	14.53	NG	3.06
78	4-ETHYLTOLUENE	25.12	109032	2.864	2.62	NG	0.53
79	a-PINENE	24.64	3176	1.583	0.14	NG	0.02
80	bis-(2-CHLOROETHYL) ETHER	24.93	1448	0.785	0.13	NG	0.02
81	1,3,5-TRIMETHYLBENZENE	25.25	146119	2.091	4.81	NG	0.98
82	n-DECANE	26.14	424343	2.596	11.26	NG	1.94
83	beta-PINENE	25.93	2148	1.376	0.11	NG	0.02
84	1,2,4-TRIMETHYLBENZENE	26.06	332126	2.072	11.04	NG	2.25
85	BROMOFLUOROBENZENE	23.68	164846	0.213	53.36	NG	**
86	BENZYL CHLORIDE	26.53	12128	1.632	0.51	NG	0.10
87	1,3-DICHLOROBENZENE	26.60	843	0.889	0.07	NG	0.01

TO-14 RESULTS (PAGE 3 OF 3)

File	C:\HPCHEM\1\DATA\S110397\11039706.D
Operator	CJC
Date	3 Nov 97 12:47 pm
Sample	VOC G97-10-363-1 (1.0 ml)(-0.4,3.0)4133-001
Conditions	5989A/ENTECH 7000

CPD #	Compound	RRT(L)	Area	RRF	Amount	Units	PPB(V)
88	2-ETHYL-1-HEXANOL	26.64	21838	0.340	~~4.42~~	NG	0.83
89	1,4-DICHLOROBENZENE	26.60	843	1.028	~~0.06~~	NG	0.01
90	d-LIMONENE	27.13	2524	1.031	~~0.17~~	NG	0.03
91	1,2-DICHLOROBENZENE	27.29	1925	0.857	~~0.15~~	NG	0.03
92	1-NONANOL	31.43	2946	0.335	~~0.61~~	NG	0.10
93	1,2-DIBROMO-3-CHLOROPROPA	0.00	0	0.339	~~0.00~~	NG	0.00
94	NONANAL	28.55	4534	0.286	~~1.09~~	NG	0.19
95	n-UNDECANE	28.76	67908	2.246	2.08	NG	0.33
96	n-DODECANE	31.16	564	1.945	~~0.02~~	NG	0.00
97	1,2,4-TRICHLOROBENZENE	0.00	0	0.472	~~0.00~~	NG	0.00
98	NAPHTHALENE	31.40	213	1.518	~~0.01~~	NG	0.00
99	HEXACHLOROBUTADIENE	0.00	0	0.296	~~0.00~~	NG	0.00

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : VOC Analytical

Client Sample ID : N/A
PAI Sample ID : Method Blank

Test Code : GC/MS EPA TO-14
Analyst : Chris Casteel
Instrument : HP 5989A/Entech 7000
Matrix : Summa Canister

Date Sampled : N/A
Date Received : N/A
Date Analyzed : 11/3/97
Volume(s) Analyzed : 1.000 Liter(s)

Pi 1 = 0.0
Pf 1 = 0.0

D.F. = 1.00

CAS #	COMPOUND	RESULT (UG/M3)	REPORTING LIMIT (UG/M3)	RESULT (PPB)	REPORTING LIMIT (PPB)
74-87-3	Chloromethane	ND	1.0	ND	0.49
75-01-4	Vinyl Chloride	ND	1.0	ND	0.39
75-00-3	Chloroethane	ND	1.0	ND	0.38
74-83-9	Bromomethane	ND	1.0	ND	0.26
67-64-1	Acetone	ND	1.0	ND	0.42
75-69-4	Trichlorofluoromethane	ND	1.0	ND	0.18
75-35-4	1,1-Dichloroethene	ND	1.0	ND	0.25
75-09-2	Methylene chloride	ND	1.0	ND	0.29
75-15-0	Carbon Disulfide	ND	1.0	ND	0.32
76-13-1	Trichlorotrifluoroethane	ND	1.0	ND	0.13
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ND	0.25
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ND	0.25
75-34-3	1,1-Dichloroethane	ND	1.0	ND	0.25
1634-04-4	Methyl tert-Butyl Ether	ND	1.0	ND	0.28
108-05-4	Vinyl Acetate	ND	1.0	ND	0.28
78-93-3	2-Butanone	ND	1.0	ND	0.34
67-66-3	Chloroform	ND	1.0	ND	0.21
107-06-2	1,2-Dichloroethane	ND	1.0	ND	0.25
71-55-6	1,1,1-Trichloroethane	ND	1.0	ND	0.19
71-43-2	Benzene	ND	1.0	ND	0.31
56-23-5	Carbon Tetrachloride	ND	1.0	ND	0.16
78-87-5	1,2-Dichloropropane	ND	1.0	ND	0.22

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 11/4/97

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Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : VOC Analytical

Client Sample ID : N/A
PAI Sample ID : Method Blank

Test Code : GC/MS EPA TO-14
Analyst : Chris Casteel
Instrument : HP 5989A/Entech 7000
Matrix : Summa Canister

Date Sampled : N/A
Date Received : N/A
Date Analyzed : 11/3/97
Volume(s) Analyzed : 1.000 Liter(s)

Pi 1 = 0.0
Pf 1 = 0.0

D.F. = 1.00

CAS #	COMPOUND	RESULT (UG/M3)	REPORTING LIMIT (UG/M3)	RESULT (PPB)	REPORTING LIMIT (PPB)
75-27-4	Bromodichloromethane	ND	1.0	ND	0.15
79-01-6	Trichloroethene	ND	1.0	ND	0.19
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ND	0.22
108-10-1	4-Methyl-2-pentanone	ND	1.0	ND	0.24
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ND	0.22
79-00-5	1,1,2-Trichloroethane	ND	1.0	ND	0.19
108-88-3	Toluene	ND	1.0	ND	0.27
124-48-1	Dibromochloromethane	ND	1.0	ND	0.12
591-78-6	2-Hexanone	ND	1.0	ND	0.24
106-93-4	1,2-Dibromoethane	ND	1.0	ND	0.13
127-18-4	Tetrachloroethene	ND	1.0	ND	0.15
108-90-7	Chlorobenzene	ND	1.0	ND	0.22
100-41-4	Ethylbenzene	ND	1.0	ND	0.23
75-25-2	Bromoform	ND	1.0	ND	0.10
100-42-5	Styrene	ND	1.0	ND	0.24
1330-20-7	m,p-Xylenes	ND	1.0	ND	0.23
95-47-6	o-Xylene	ND	1.0	ND	0.23
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ND	0.15
541-73-1	1,3-Dichlorobenzene	ND	1.0	ND	0.17
106-46-7	1,4-Dichlorobenzene	ND	1.0	ND	0.17
95-50-1	1,2-Dichlorobenzene	ND	1.0	ND	0.17

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 11/4/97

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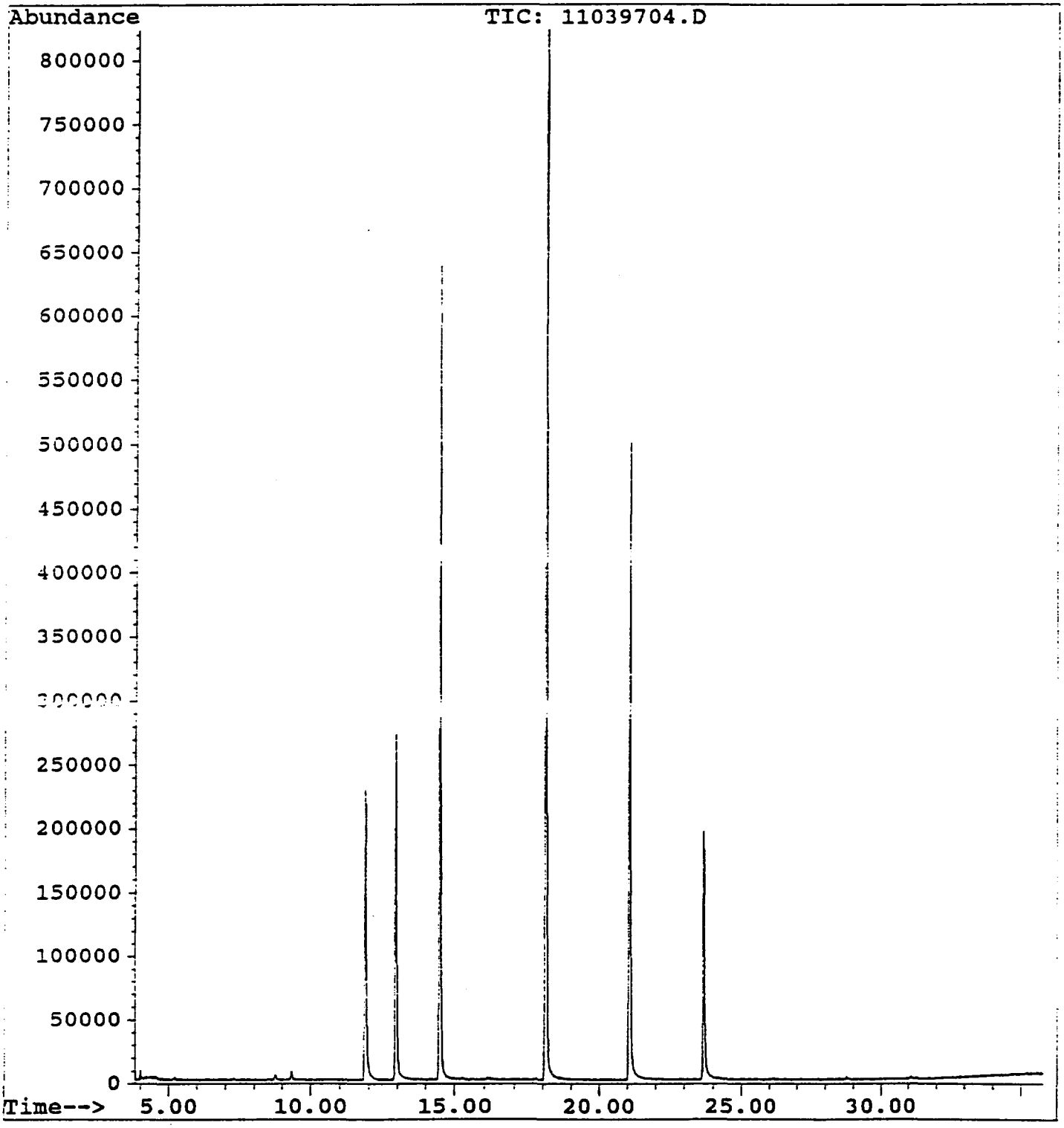
File : C:\HPCHEM\1\DATA\S110397\11039704.D
Operator : CJC
Acquired : 3 Nov 97 10:53 am using AcqMethod FCTO14B
Instrument : 5989 - In
Sample Name: METHOD BLANK (S10299701/TO-14/1.0 L)
Misc Info :
Vial Number: 1



File	C:\HPCHEM\1\DATA\S110397\11039704.D
Operator	CJC
Date	3 Nov 97 10:53 am
Sample	METHOD BLANK (S10299701/TO-14/1.0 L)
Conditions	5989A/ENTECH 7000

CPD #	Compound	RRT(L)	Area	RRF	Amount	Units	PPB(V)
1	BROMOCHLOROMETHANE	11.87	137535	1.000	50.00	NG	**
2	PROPENE	3.99	149	10.372	~~0.01~~	NG	0.00
3	DICHLORODIFLUOROMETHANE	0.00	0	4.136	~~0.00~~	NG	0.00
4	CHLOROMETHANE	4.57	79	5.433	~~0.01~~	NG	0.00
5	DICHLOROTETRAFLUOROETHA	0.00	0	3.500	~~0.00~~	NG	0.00
6	VINYL CHLORIDE	0.00	0	4.932	~~0.00~~	NG	0.00
7	1,3-BUTADIENE	5.24	61	5.509	~~0.00~~	NG	0.00
8	BROMOMETHANE	5.79	71	2.396	~~0.01~~	NG	0.00
9	CHLOROETHANE	0.00	0	2.877	~~0.00~~	NG	0.00
10	ETHANOL	6.33	258	3.308	~~0.03~~	NG	0.02
11	ACETONITRILE	6.86	2277	9.056	~~0.09~~	NG	0.05
12	ACROLEIN	6.86	65	2.512	~~0.01~~	NG	0.00
13	ACETONE	7.18	71	2.931	~~0.01~~	NG	0.00
14	PROPYLENE OXIDE	7.51	70	2.132	~~0.01~~	NG	0.01
15	TRICHLOROFLUOROMETHANE	0.00	0	3.054	~~0.00~~	NG	0.00
16	ISOPROPYL ALCOHOL	7.57	124	10.412	~~0.00~~	NG	0.00
17	ACRYLONITRILE	0.00	0	6.497	~~0.00~~	NG	0.00
18	tert-BUTANOL	8.54	1450	3.179	~~0.06~~	NG	0.02
19	1,1-DICHLOROETHENE	8.50	95	5.090	~~0.01~~	NG	0.00
20	METHYLENE CHLORIDE	8.75	8856	5.341	~~0.47~~	NG	0.14
21	ALLYL CHLORIDE	0.00	0	1.844	~~0.00~~	NG	0.00
22	TRICHLOROTRIFLUOROETHANE	0.00	0	2.755	~~0.00~~	NG	0.00
23	CARBON DISULFIDE	9.33	17510	11.798	~~0.54~~	NG	0.17
24	trans-1,2-DICHLOROETHENE	0.37	57	4.340	~~0.00~~	NG	0.00
25	1,1-DICHLOROETHANE	0.00	0	5.363	~~0.00~~	NG	0.00
26	cis-1,2-DICHLOROETHENE	11.79	64	4.600	~~0.01~~	NG	0.00
27	t-BUTYL METHYL ETHER	0.00	0	9.201	~~0.00~~	NG	0.00
28	VINYL ACETATE	10.57	60	16.809	~~0.00~~	NG	0.00
29	2-BUTANONE	10.92	71	13.316	~~0.00~~	NG	0.00
30	2-METHYL PENTANE	0.00	0	3.138	~~0.00~~	NG	0.00
31	ETHYL ACETATE	11.69	88	14.508	~~0.00~~	NG	0.00
32	n-HEXANE	0.00	0	7.278	~~0.00~~	NG	0.00
33	CHLOROFORM	0.00	0	4.650	~~0.00~~	NG	0.00
34	2-METHYL-1-PROPANOL	12.37	87	6.399	~~0.00~~	NG	0.00
35	1,2-DICHLOROETHANE-D4	12.93	404354	3.076	47.80	NG	**
36	1,2-DICHLOROETHANE	12.92	231	4.223	~~0.02~~	NG	0.00
37	1,4-DIFLUOROBENZENE	14.49	967016	1.000	50.00	NG	**
38	1,1,1-TRICHLOROETHANE	13.50	75	0.508	~~0.01~~	NG	0.00
39	1-BUTANOL	0.00	0	0.587	~~0.00~~	NG	0.00
40	BENZENE	14.09	81	1.338	~~0.00~~	NG	0.00
41	CARBON TETRACHLORIDE	0.00	0	0.398	~~0.00~~	NG	0.00
42	VALERALDEHYDE (PENTANAL)	14.93	351	1.191	~~0.02~~	NG	0.00
43	1,2-DICHLOROPROPANE	15.19	98	0.526	~~0.01~~	NG	0.00
44	1,4-DIOXANE	15.26	95	0.339	~~0.01~~	NG	0.00

TO-14 RESULTS (Page 2 of 3)

File	C:\HPCHEM\1\DATA\S110397\11039704.D
Operator	CJC
Date	3 Nov 97 10:53 am
Sample	METHOD BLANK (S10299701/TO-14/1.0 L)
Conditions	5989A/ENTECH 7000

CPD #	Compound	RRT	Area	RRF	Amount	Units	
45	BROMODICHLOROMETHANE	15.58	63	0.531	~~0.01~~	NG	0.00
46	TRICHLOROETHENE	0.00	0	0.349	~~0.00~~	NG	0.00
47	EPICHLOROHYDRIN	15.74	73	0.074	~~0.05~~	NG	0.01
48	METHYL METHACRYLATE	15.63	137	1.065	~~0.01~~	NG	0.00
49	HEPTANE	15.92	71	1.443	~~0.00~~	NG	0.00
50	cis-1,3-DICHLOROPROPENE	0.00	0	0.717	~~0.00~~	NG	0.00
51	4-METHYL-2-PENTANONE	16.71	61	1.957	~~0.00~~	NG	0.00
52	DIMETHYL DISULFIDE	0.00	0	0.568	~~0.00~~	NG	0.00
53	trans-1,3-DICHLOROPROPENE	17.18	60	0.875	~~0.00~~	NG	0.00
54	1,1,2-TRICHLOROETHANE	18.10	25238	0.365	~~3.57~~	NG	0.66
55	CHLOROBENZENE-D5	21.06	515195	1.000	50.00	NG	**
56	TOLUENE-D8	18.09	1091809	1.765	50.28	NG	**
57	1,3-DICHLOROPROPANE	18.09	10878	1.272	~~0.70~~	NG	0.15
58	TOLUENE	18.27	2960	2.512	~~0.10~~	NG	0.03
59	2-HEXANONE	18.19	218	2.645	~~0.01~~	NG	0.00
60	HEXANAL	18.86	424	0.968	~~0.04~~	NG	0.01
61	DIBROMOCHLOROMETHANE	0.00	0	0.516	~~0.00~~	NG	0.00
62	BUTYL ACETATE	19.37	78	3.241	~~0.00~~	NG	0.00
63	TETRAHYDROTHIOPHENE	19.22	64	1.079	~~0.00~~	NG	0.00
64	OCTANE	19.62	151	3.172	~~0.00~~	NG	0.00
65	1,2-DIBROMOETHANE	0.00	0	0.538	~~0.00~~	NG	0.00
66	TETRACHLOROETHENE	0.00	0	0.415	~~0.00~~	NG	0.00
67	CHLOROBENZENE	21.13	231	1.441	~~0.01~~	NG	0.00
68	ETHYLBENZENE	22.06	100	0.879	~~0.01~~	NG	0.00
69	m & p - XYLENES	22.09	122	1.140	~~0.01~~	NG	0.00
70	BROMOFORM	0.00	0	0.385	~~0.00~~	NG	0.00
71	STYRENE	0.00	0	1.703	~~0.00~~	NG	0.00
72	2-BUTOXYETHANOL	23.16	70	2.180	~~0.00~~	NG	0.00
73	1,1,2,2-TETRACHLOROETHANE	0.00	0	1.076	~~0.00~~	NG	0.00
74	NONANE	23.06	151	2.929	~~0.00~~	NG	0.00
75	o - XYLENE	22.94	66	1.063	~~0.01~~	NG	0.00
76	CUMENE	23.88	159	2.400	~~0.01~~	NG	0.00
77	1-HEPTANOL	0.00	0	0.218	~~0.00~~	NG	0.00
78	4-ETHYLTOLUENE	25.13	105	2.864	~~0.00~~	NG	0.00
79	a-PINENE	24.82	67	1.583	~~0.00~~	NG	0.00
80	bis-(2-CHLOROETHYL) ETHER	24.82	67	0.785	~~0.01~~	NG	0.00
81	1,3,5-TRIMETHYLBENZENE	25.20	143	2.091	~~0.01~~	NG	0.00
82	n-DECANE	26.12	402	2.596	~~0.01~~	NG	0.00
83	beta-PINENE	0.00	0	1.376	~~0.00~~	NG	0.00
84	1,2,4-TRIMETHYLBENZENE	26.13	127	2.072	~~0.00~~	NG	0.00
85	BROMOFLUOROBENZENE	23.88	120643	0.213	46.08	NG	**
86	BENZYL CHLORIDE	26.22	78	1.632	~~0.00~~	NG	0.00
87	1,3-DICHLOROBENZENE	26.55	62	0.889	~~0.01~~	NG	0.00

TO-14 RESULTS (PAGE 3 OF 3)

File	C:\HPCHEM\1\DATA\S110397\11039704.D
Operator	CJC
Date	3 Nov 97 10:53 am
Sample	METHOD BLANK (S10299701/TO-14/1.0 L)
Conditions	5989A/ENTECH 7000

CPD #	Compound	RRT(L)	Area	RRF	Amount	Units	PPB(V)
88	2-ETHYL-1-HEXANOL	26.30	63	0.340	~~0.02~~	NG	0.00
89	1,4-DICHLOROBENZENE	26.55	62	1.028	~~0.00~~	NG	0.00
90	d-LIMONENE	27.17	70	1.031	~~0.01~~	NG	0.00
91	1,2-DICHLOROBENZENE	27.28	71	0.857	~~0.01~~	NG	0.00
92	1-NONANOL	31.08	470	0.335	~~0.11~~	NG	0.02
93	1,2-DIBROMO-3-CHLOROPROPA	0.00	0	0.339	~~0.00~~	NG	0.00
94	NONANAL	28.40	79	0.286	~~0.02~~	NG	0.00
95	n-UNDECANE	28.74	2374	2.246	~~0.09~~	NG	0.01
96	n-DODECANE	30.82	70	1.945	~~0.00~~	NG	0.00
97	1,2,4-TRICHLOROBENZENE	30.97	62	0.472	~~0.01~~	NG	0.00
98	NAPHTHALENE	31.36	148	1.518	~~0.01~~	NG	0.00
99	HEXACHLOROBUTADIENE	31.93	336	0.296	~~0.09~~	NG	0.01

SURROGATE SPIKE RECOVERY RESULTS

Performance Analytical Inc.
Air Quality Laboratory

SURROGATE SPIKE RECOVERY RESULTS

Client : VOC Analytical

Client Project ID : 50046
PAI Job ID : P9704133

Test Code: GC/MS EPA TO-14
Analyst: Chris Casteel
Instrument ID: HP 5989A/Entech 7000

Matrix : Summa Canisters
Date Received : 10/20/97
Date Analyzed : 11/3/97

Client Sample ID	PAI Sample ID	1,2-DICHLORO-ETHANE-D4	Percent Recovery TOLUENE-D8	BROMOFLUORO-BENZENE
N/A	MB (11/3/97)	95.6	101	92.2
G97-10-363-1	P9704133-001	80.9	94.7	107

Verified by: RC Date: 11/7/97

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QCCS RESULTS

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF QCCS

Client : VOA Analytical

Client Project ID : 50046
PAI Project ID : P9704133

Test Code : GC/MS EPA TO-14
Analyst : Chris Casteel
Instrument : HP 5989A/Entech 7000
Matrix : Summa Canister

Date Sampled : N/A
Date Received : N/A
Date Analyzed : 10/30/97
Volume(s) Analyzed : 0.250 (Liters)

CAS #	COMPOUND	AMOUNT SPIKED (NG)	AMOUNT RECOVERED (NG)	% DIFF.
67-64-1	ACETONE	50.0	53.1	6.26
75-35-4	1,1-DICHLOROETHENE	50.0	54.6	9.14
156-60-5	trans-1,2-DICHLOROETHENE	50.0	52.1	4.10
156-59-2	cis-1,2-DICHLOROETHENE	50.0	50.8	1.66
78-93-3	2-BUTANONE	50.0	53.2	6.46
71-55-6	1,1,1-TRICHLOROETHANE	50.0	50.6	1.12
71.43-2	BENZENE	50.0	48.3	-3.40
79-01-6	TRICHLOROETHENE	50.0	44.8	-10.44
108-10-1	4-METHYL-2-PENTANONE	50.0	46.6	-6.88
108-88-3	TOLUENE	50.0	49.5	-1.00
127-18-4	TETRACHLOROETHENE	50.0	40.3	-19.32
108-90-7	CHLOROBENZENE	50.0	42.2	-15.68
1330-20-7	m & p - XYLENES	50.0	43.3	-13.46

Verified by: SG Date: 11/7/97

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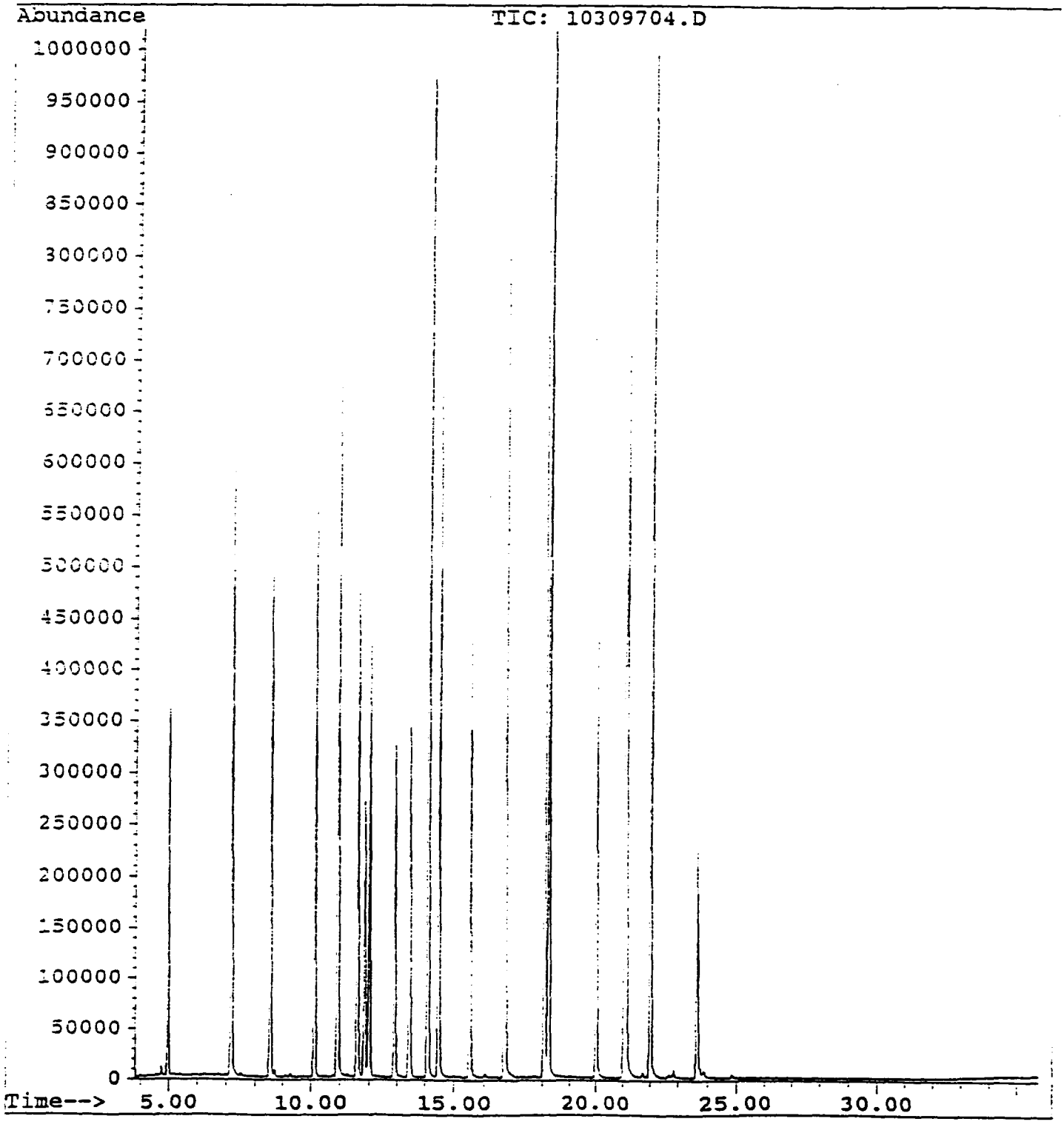
File : C:\HPCHEM\1\DATA\S103097\10309704.D
Operator : CJC
Acquired : 30 Oct 97 9:40 am using AcqMethod FCTO14B
Instrument : 5989 - In
Sample Name: 50 NG QCCS (S10299701/S07299701)
Misc Info :
Vial Number: 1



TO-14 RESULTS (PAGE 1 OF 3)

File	C:\HPCHEM\1\DATA\S103097\10309704.D
Operator	CJC
Date	30 Oct 97 9:40 am
Sample	50 NG QCCS (S10299701/S07299701)
Conditions	5989A/ENTECH 7000

CPD #	Compound	RRT(L)	Area	RRF	Amount	Units	PPS(V)
1	BROMOCHLOROMETHANE	11.34	138839	1.000	50.00	NG	**
2	PROPENE	3.39	84	9.986	0.00	NG	0.00
3	DICHLORODIFLUOROMETHANE	0.00	0	4.404	0.00	NG	0.00
4	CHLOROMETHANE	4.59	77	5.087	0.01	NG	0.00
5	DICHLOROTETRAFLUOROETHA	0.00	0	3.241	0.00	NG	0.00
6	VINYL CHLORIDE	4.97	815357	4.879	46.42	NG	17.92
7	1,3-BUTADIENE	0.00	0	5.514	0.00	NG	0.00
8	BROMOMETHANE	5.94	122	2.331	0.02	NG	0.00
9	CHLOROETHANE	6.13	240	2.381	0.03	NG	0.01
10	ETHANOL	6.27	4757	3.251	0.63	NG	0.28
11	ACETONITRILE	6.71	3157	3.308	0.12	NG	0.08
12	ACROLEIN	6.95	291	2.564	0.04	NG	0.02
13	ACETONE	7.16	426303	2.390	60.13	NG	22.40
14	PROPYLENE OXIDE	0.00	0	2.167	0.00	NG	0.00
15	TRICHLOROFLUOROMETHANE	0.00	0	2.374	0.00	NG	0.00
16	ISOPROPYL ALCOHOL	7.52	2392	10.085	0.10	NG	0.04
17	ACRYLONITRILE	7.36	1908	5.081	0.11	NG	0.05
18	tert-BUTANOL	8.55	25687	7.347	1.78	NG	0.39
19	1,1-DICHLOROETHENE	8.55	744438	4.313	54.37	NG	13.90
20	METHYLENE CHLORIDE	8.70	3944	5.172	0.02	NG	0.18
21	ALLYL CHLORIDE	0.00	0	1.363	0.00	NG	0.00
22	TRICHLOROTRIFLUOROETHANE	9.10	2827	2.581	0.02	NG	0.05
23	CARBON DISULFIDE	9.29	7605	11.093	0.04	NG	0.08
24	trans-1,2-DICHLOROETHENE	10.12	686025	4.748	52.05	NG	13.26
25	1,1-DICHLOROETHANE	0.00	0	5.783	0.00	NG	0.00
26	cis-1,2-DICHLOROETHENE	11.59	614783	4.355	50.33	NG	12.95
27	t-BUTYL METHYL ETHER	10.45	392	3.712	0.02	NG	0.00
28	VINYL ACETATE	0.00	0	16.011	0.00	NG	0.00
29	2-BUTANONE	10.91	1973978	13.056	53.23	NG	18.08
30	3-METHYL PENTANE	0.00	0	3.377	0.00	NG	0.00
31	ETHYL ACETATE	11.78	586	14.026	0.02	NG	0.00
32	n-HEXANE	11.85	5476	5.979	0.28	NG	0.08
33	CHLOROFORM	11.99	648647	4.417	52.38	NG	10.96
34	2-METHYL-1-PROPANOL	12.36	327	6.165	0.02	NG	0.01
35	1,2-DICHLOROETHANE-D4	12.90	458403	2.385	57.23	NG	**
36	1,2-DICHLOROETHANE	0.00	0	4.053	0.00	NG	0.00
37	1,4-DIFLUOROBENZENE	14.47	386859	1.000	50.00	NG	**
38	1,1,1-TRICHLOROETHANE	13.43	481013	0.482	50.56	NG	9.37
39	1-BUTANOL	13.78	80	0.585	0.01	NG	0.00
40	BENZENE	14.09	1763955	1.350	48.30	NG	15.15
41	CARBON TETRACHLORIDE	0.00	0	0.398	0.00	NG	0.00
42	VALERALDEHYDE (PENTANAL)	14.89	168	1.154	0.01	NG	0.00
43	1,2-DICHLOROPROPANE	15.17	74	0.526	0.01	NG	0.00
44	1,4-DIOXANE	0.00	0	0.330	0.00	NG	0.00

TO-14 RESULTS (Page 2 of 3)

File	C:\HPCHEM\1\DATA\S103097\10309704.D
Operator	CJC
Date	30 Oct 97 9:40 am
Sample	50 NG QCCS (S10299701/S07299701)
Conditions	5989A/ENTECH 7000

CPD #	Compound	RRT	Area	RRF	Amount	Units	
45	BROMODICHLOROMETHANE	15.54	4273	0.519	0.42	NG	0.06
46	TRICHLOROETHENE	15.54	315188	0.357	44.78	NG	8.42
47	EPICHLOROHYDRIN	15.53	54377	0.085	32.37	NG	3.61
48	METHYL METHACRYLATE	15.84	539	1.042	0.03	NG	0.01
49	HEPTANE	15.34	377	1.296	0.01	NG	0.00
50	cis-1,3-DICHLOROPROPENE	16.06	35	0.713	0.00	NG	0.00
51	4-METHYL-2-PENTANONE	16.70	1662729	1.309	46.56	NG	11.39
52	DIMETHYL DISULFIDE	0.00	0	0.758	0.00	NG	0.00
53	trans-1,3-DICHLOROPROPENE	0.00	0	0.875	0.00	NG	0.00
54	1,1,2-TRICHLOROETHANE	13.09	23941	0.059	0.38	NG	0.33
55	CHLOROBENZENE-D5	21.04	634348	1.000	50.00	NG	**
56	TOLUENE-D8	18.07	1115772	1.721	51.07	NG	**
57	1,3-DICHLOROPROPANE	18.23	3527	1.286	0.40	NG	0.09
58	TOLUENE	18.23	1569052	2.496	49.50	NG	13.16
59	2-HEXANONE	18.45	333	2.529	0.02	NG	0.01
60	HEXANAL	18.37	1268	0.964	0.10	NG	0.03
61	DIBROMOCHLOROMETHANE	0.00	0	0.537	0.00	NG	0.00
62	BUTYL ACETATE	19.37	351	3.276	0.01	NG	0.00
63	TETRAHYDROTHIOPHENE	19.58	106	1.053	0.01	NG	0.00
64	OCTANE	19.50	504	0.158	0.01	NG	0.00
65	1,2-DIBROMOETHANE	0.00	0	0.592	0.00	NG	0.00
66	TETRACHLOROETHENE	20.01	224359	0.438	40.04	NG	6.02
67	CHLOROBENZENE	21.11	309572	1.512	42.16	NG	9.21
68	ETHYLBENZENE	22.00	625122	0.375	50.28	NG	12.99
69	m & p - XYLENES	22.00	527635	1.142	43.27	NG	9.38
70	BROMOFORM	0.00	0	0.394	0.00	NG	0.00
71	STYRENE	22.38	4243	1.701	0.10	NG	0.05
72	2-BUTOXYETHANOL	23.05	329	2.185	0.01	NG	0.00
73	1,1,2,2-TETRACHLOROETHANE	22.74	167	1.055	0.01	NG	0.00
74	NONANE	23.01	212	2.394	0.01	NG	0.00
75	o - XYLENE	22.83	3878	1.056	0.29	NG	0.07
76	CUMENE	23.37	5450	2.062	0.22	NG	0.04
77	1-HEPTANOL	24.54	38	0.221	0.03	NG	0.01
78	4-ETHYLTOLUENE	25.14	71	2.764	0.00	NG	0.00
79	a-PINENE	24.62	67	1.574	0.00	NG	0.00
80	bis-(2-CHLOROETHYL) ETHER	24.82	67	0.824	0.01	NG	0.00
81	1,3,5-TRIMETHYLBENZENE	25.14	71	2.067	0.00	NG	0.00
82	n-DECANE	25.12	1360	2.568	0.04	NG	0.01
83	beta-PINENE	0.00	0	1.362	0.00	NG	0.00
84	1,2,4-TRIMETHYLBENZENE	26.12	79	2.051	0.00	NG	0.00
85	BROMOFLUOROBENZENE	23.64	130857	0.222	46.46	NG	**
86	BENZYL CHLORIDE	26.19	64	1.604	0.00	NG	0.00
87	1,3-DICHLOROBENZENE	0.00	0	0.895	0.00	NG	0.00

TO-14 RESULTS (PAGE 3 OF 3)

File	C:\HPCHEM\1\DATA\S103097\10309704.D
Operator	CJC
Date	30 Oct 97 9:40 am
Sample	50 NG QCCS (S10299701/S07299701)
Conditions	5989A/ENTECH 7000

CPD

#	Compound	RRT(L)	Area	RRF	Amount	Units	PPB(V)
88	2-ETHYL-1-HEXANOL	26.22	174	0.326	0.04	NG	0.01
89	1,4-DICHLOROBENZENE	0.00	0	1.031	~~0.00~~	NG	0.00
90	d-LIMONENE	0.00	0	1.004	~~0.00~~	NG	0.00
91	1,2-DICHLOROBENZENE	0.00	0	0.867	~~0.00~~	NG	0.00
92	1-NONANOL	0.00	0	0.319	~~0.00~~	NG	0.00
93	1,2-DIBROMO-3-CHLOROPROPA	0.00	0	0.341	~~0.00~~	NG	0.00
94	NONANAL	0.00	0	0.330	~~0.00~~	NG	0.00
95	n-UNDECANE	0.00	0	2.207	~~0.00~~	NG	0.00
96	n-DODECANE	0.00	0	1.396	~~0.00~~	NG	0.00
97	1,2,4-TRICHLOROBENZENE	0.00	0	0.480	~~0.00~~	NG	0.00
98	NAPHTHALENE	0.00	0	1.485	~~0.00~~	NG	0.00
99	HEXACHLOROBUTADIENE	0.00	0	0.297	~~0.00~~	NG	0.00

INITIAL CALIBRATION STANDARDS

TO-14 INITIAL/CONTINUING CALIBRATION RESULTS

FULLICR.XLS

Cont. Cal. Date: 29 Oct 97 2:40 pm
Cont. Cal. File: C:\HPCHEM\1\DATA\S10297\10299709.D
Operator: CJC
Date: 29 Oct 97 2:40 pm
Sample: 50 NG TO-14 STD (S10299701/S10299702)
Inst. ID: HP 5989A/ENTECH 7000

NG	Filename
50	10299709.D
5	10299712.D
10	10299711.D
20	10299710.D
75	10299708.D
100	10299707.D

CPD		Initial Calibration									Continuing Calibration			
#	Compound	5	10	20	50	75	100	AVE RR	SD	%RSD	CC AREA	CC RRF	D	%RS
1	BROMOCHLOROMETHANE	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.00	154914	1.000	0.000	**
2	PROPENE	11.101	10.252	10.114	10.176	9.366	10.189	10.283	0.423	4.11	1062446	10.176	-0.108	-1.05
3	DICHLORODIFLUOROMETHANE	3.813	3.547	3.477	3.452	3.508	3.580	3.563	0.131	3.67	1049281	3.452	-0.110	-3.1
4	CHLOROMETHANE	5.369	5.366	5.069	5.014	4.774	5.013	5.201	0.421	8.10	552444	5.014	-0.187	-3.5
5	DICHLOROTETRAFLUOROETHA	3.551	3.165	3.044	2.948	2.756	2.355	3.053	0.293	9.25	1282469	2.948	-0.105	-3.44
6	VINYL CHLORIDE	5.164	4.313	4.573	4.409	4.190	4.442	4.598	0.344	7.48	583070	4.409	-0.189	-4.11
7	1,3-BUTADIENE	5.375	5.291	5.126	5.093	4.859	5.047	5.215	0.352	6.75	724275	5.093	-0.122	-2.34
8	BROMOMETHANE	2.424	2.199	2.083	2.009	1.904	1.977	2.099	0.188	8.97	454319	2.009	-0.091	-4.21
9	CHLOROETHANE	3.252	2.973	2.806	2.656	2.503	2.586	2.901	0.273	9.74	452633	2.556	-0.145	-5.17
10	ETHANOL	3.607	3.497	3.007	3.032	2.795	2.745	3.164	0.362	11.44	469766	3.032	-0.131	-4.13
11	ACETONITRILE	10.151	9.443	9.384	8.729	8.094	8.509	9.018	0.665	7.38	1352152	8.729	-0.290	-3.21
12	ACROLEIN	2.350	2.515	2.513	2.505	2.376	2.431	2.548	0.169	6.62	288034	2.505	-0.043	-1.70
13	ACETONE	3.033	3.328	2.340	2.738	2.567	2.657	2.877	0.292	9.11	424160	2.738	-0.129	-4.32
14	PROPYLENE OXIDE	2.430	2.203	2.093	1.935	1.867	1.857	2.064	0.225	10.88	299807	1.935	-0.129	-6.25
15	TRICHLOROFLUOROMETHANE	3.361	2.361	2.491	2.049	2.246	2.295	2.801	0.494	18.39	300583	2.049	-0.251	-8.97
16	ISOPROPYL ALCOHOL	12.085	10.603	10.089	9.850	8.328	8.519	9.883	1.233	12.35	1494895	9.850	-0.034	-1.04
17	ACRYLONITRILE	7.190	6.043	5.707	5.700	5.318	5.349	5.906	0.805	10.08	387567	5.700	-0.275	-4.50
18	tert-BUTANOL	3.498	8.212	7.204	8.159	7.259	8.382	7.704	0.868	8.67	1255498	8.159	0.455	5.04
19	1,1-DICHLOROETHENE	5.083	5.039	4.500	4.711	4.475	4.489	4.766	0.372	7.80	729792	4.711	-0.055	-1.15
20	METHYLENE CHLORIDE	6.408	5.532	5.220	5.039	4.338	4.387	5.037	0.598	11.90	730582	5.039	-0.299	-5.93
21	ALLYL CHLORIDE	1.311	1.300	1.385	1.363	1.792	1.310	1.361	0.048	2.59	298570	1.363	0.002	0.12
22	TRICHLOROTRIFLUOROETHANE	2.089	2.754	2.567	2.500	2.494	2.457	2.560	0.135	7.02	1216604	2.500	-0.060	-2.24
23	CARBON DISULFIDE	12.357	11.591	11.072	11.290	10.396	11.277	11.362	0.583	5.31	1747484	11.290	-0.292	-2.44
24	trans-1,2-DICHLOROETHENE	5.041	4.394	4.693	4.658	4.511	4.515	4.719	0.211	4.48	721559	4.658	-0.061	-1.29
25	1,1-DICHLOROETHANE	6.708	6.291	6.073	5.703	5.481	5.540	5.965	0.479	8.03	383409	5.703	-0.262	-4.59
26	cis-1,2-DICHLOROETHENE	4.707	4.513	4.057	4.311	4.108	4.157	4.364	0.218	4.99	667913	4.311	-0.053	-1.22
27	t-BUTYL METHYL ETHER	3.225	3.346	3.386	3.580	3.603	3.601	3.775	0.242	6.76	1044616	3.580	-0.095	-1.09
28	VINYL ACETATE	17.104	16.705	16.847	16.325	16.261	16.257	16.611	0.328	1.98	2575503	16.325	0.014	0.08
29	2-BUTANONE	14.052	13.310	13.572	12.564	13.255	13.300	13.675	0.410	3.00	2116726	12.564	-0.012	-0.09
30	3-METHYL PENTANE	3.361	3.056	3.095	3.127	3.304	3.980	3.071	0.193	2.02	1413929	3.127	0.057	1.82
31	ETHYL ACETATE	15.487	14.598	14.561	14.545	13.907	14.424	14.504	0.510	3.49	2268696	14.545	0.041	0.28
32	n-HEXANE	7.580	7.231	7.168	6.370	6.328	6.371	7.108	0.281	3.95	1079767	6.370	-0.108	-1.34
33	CHLOROFORM	4.324	4.348	4.408	4.236	4.003	4.020	4.273	0.264	6.31	856248	4.236	-0.137	-3.14
34	2-METHYL-1-PROPANOL	5.485	5.515	5.672	5.622	5.478	5.090	5.160	0.692	11.24	1025880	5.622	0.462	7.50
35	1,2-DICHLOROETHANE-D4	2.051	2.360	2.324	2.755	2.610	2.341	2.312	0.131	5.42	428777	2.755	-0.057	**
36	1,2-DICHLOROETHANE	4.673	4.265	3.381	3.790	3.603	3.534	3.991	0.414	10.38	587130	3.790	-0.201	-5.04
37	1,4-DIFLUOROBENZENE	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.00	1043245	1.000	0.000	0.00
38	1,1,1-TRICHLOROETHANE	0.485	0.447	0.446	0.427	0.424	0.433	0.444	0.023	5.08	445286	0.427	-0.017	-3.79
39	1-BUTANOL	0.572	0.643	0.702	0.647	0.443	0.373	0.563	0.129	22.89	674936	0.647	0.084	14.34
40	BENZENE	1.844	1.794	1.757	1.759	1.788	1.858	1.900	0.043	2.37	1835067	1.759	-0.041	-2.23
41	CARBON TETRACHLORIDE	0.386	0.367	0.354	0.344	0.343	0.355	0.358	0.016	4.48	358793	0.344	-0.014	-3.96
42	VALERALDEHYDE (PENTANAL)	1.055	1.097	1.101	1.125	1.149	1.179	1.118	0.043	3.87	1173983	1.125	0.008	0.70
43	1,2-DICHLOROPROPANE	0.553	0.530	0.521	0.505	0.506	0.511	0.521	0.019	3.53	526959	0.505	-0.016	-3.09
44	1,4-DIOXANE	0.307	0.312	0.323	0.314	0.304	0.301	0.310	0.008	2.63	327795	0.314	0.004	1.25
45	BROMODICHLOROMETHANE	0.530	0.510	0.483	0.465	0.460	0.467	0.486	0.028	5.83	485328	0.465	-0.021	-4.24
46	TRICHLOROETHENE	0.352	0.352	0.348	0.341	0.338	0.345	0.346	0.006	1.64	355976	0.341	-0.005	-1.46
47	EPICHLOROHYDRIN	0.084	0.090	0.081	0.085	0.082	0.086	0.085	0.003	3.71	38613	0.085	0.000	0.46
48	METHYL METHACRYLATE	0.955	0.997	1.001	1.017	1.013	1.049	1.005	0.031	3.08	1060488	1.017	0.011	1.12
49	HEPTANE	1.383	1.373	1.363	1.393	1.395	1.436	1.390	0.025	1.82	1453378	1.393	0.003	0.19
50	cis-1,3-DICHLOROPROPENE	0.657	0.584	0.674	0.677	0.674	0.690	0.676	0.011	1.64	1017271	0.677	0.001	0.16
51	4-METHYL-2-PENTANONE	1.723	1.737	1.753	1.758	1.762	1.817	1.758	0.032	1.81	1833786	1.758	-0.001	-0.03
52	DIMETHYL DISULFIDE	0.633	0.890	0.743	0.795	0.805	0.844	0.752	0.079	10.54	929428	0.795	0.044	5.79
53	trans-1,3-DICHLOROPROPENE	0.538	0.565	0.611	0.640	0.631	0.670	0.609	0.049	8.10	347384	0.640	0.031	5.10
54	1,1,2-TRICHLOROETHANE	0.351	0.344	0.336	0.338	0.338	0.347	0.342	0.006	1.77	352464	0.338	-0.005	-1.32
55	CHLOROBENZENE-D5	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.00	760385	1.000	0.000	**
56	TOLUENE-D8	1.614	1.581	1.613	1.582	1.623	1.618	1.605	0.019	1.18	1202789	[illegible]	[illegible]	**

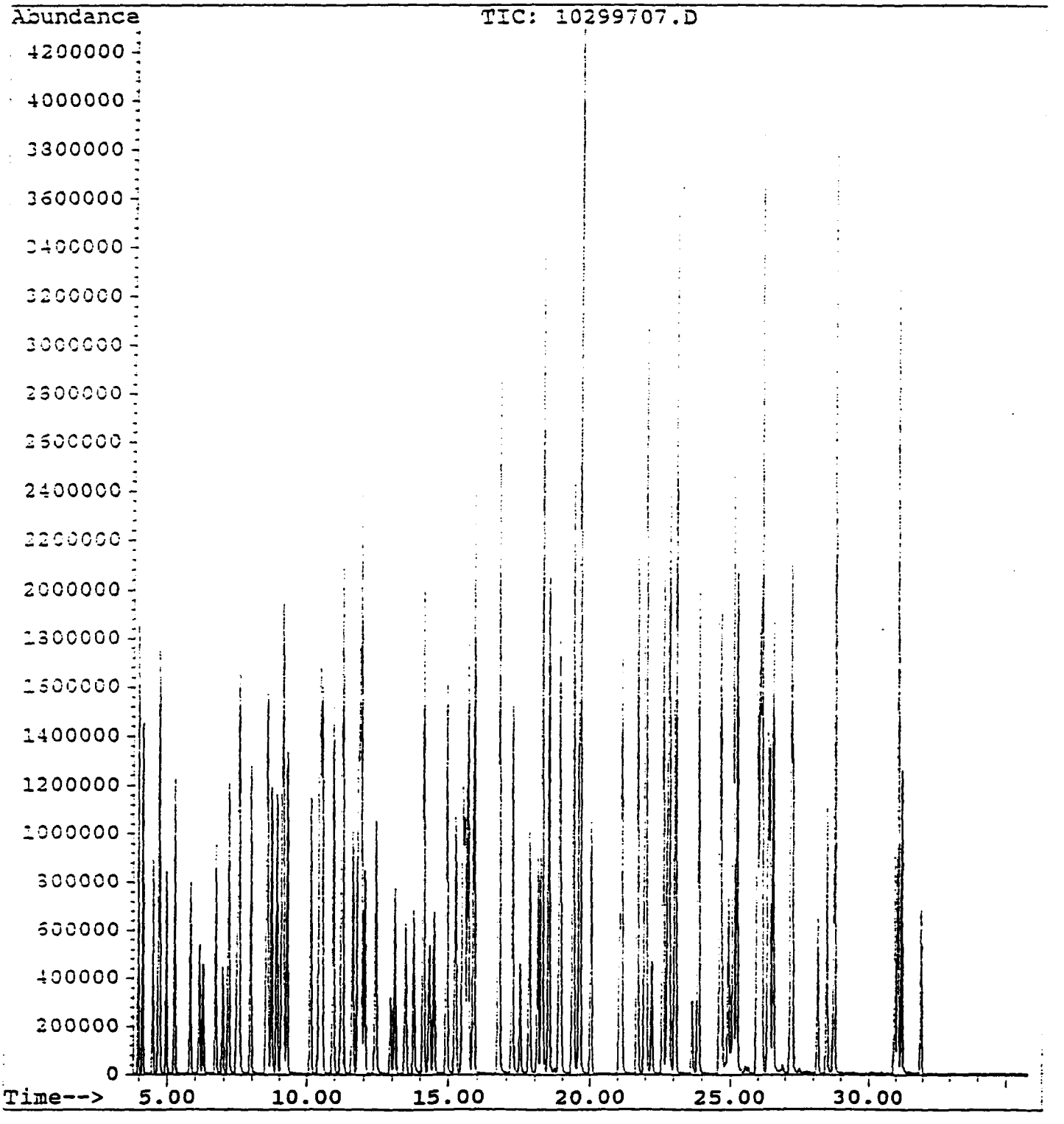
TO-14 INITIAL/CONTINUING CALIBRATION RESULTS

Cont. Cal. Date: 29 Oct 97 2:40 pm
Cont. Cal. File: C:\HPCHEM\1\DATA\S102997\10299709.D
Operator: CJC
Date: 29 Oct 97 2:40 pm
Sample: 50 NG TO-14 STD (S10299701/S10299702)
Inst. ID: HP 5989A/ENTECH 7000

NG	Filename
50	10299709.D
5	10299712.D
10	10299711.D
20	10299710.D
75	10299708.D
100	10299707.D

CPD #	Compound	Initial Calibration 5	10	20	50	75	100	AVE RR	SD	%RSD	Continuing Calibration CC AREA	CC RRF	D	%RSD
58	TOLUENE	2.256	2.167	2.227	2.208	2.241	2.279	2.231	0.041	1.83	1578892	2.208	-0.023	-1.04
59	2-HEXANONE	2.054	2.192	2.258	2.330	2.378	2.471	2.279	0.148	6.48	1772046	2.330	0.052	2.27
60	HEXANAL	0.768	0.797	0.841	0.874	0.868	0.899	0.841	0.050	5.92	564258	0.874	0.032	3.85
61	DIBROMOCHLOROMETHANE	0.501	0.462	0.467	0.454	0.453	0.463	0.467	0.013	3.32	345014	0.454	-0.013	-2.73
62	BUTYL ACETATE	2.406	2.582	2.761	2.935	2.918	3.033	2.772	0.239	8.62	2231553	2.935	0.163	5.87
63	TETRAHYDROTHIOPHENE	0.395	0.379	0.926	0.943	0.950	0.959	0.925	0.032	3.49	718936	0.943	0.018	1.91
64	OCTANE	2.038	2.798	2.328	2.788	2.789	2.323	2.344	0.097	3.09	2119621	2.798	-0.057	-1.99
65	1,2-DIBROMOETHANE	0.525	0.509	0.514	0.506	0.512	0.523	0.515	0.007	1.44	385053	0.506	-0.008	-1.63
66	TETRACHLOROETHENE	0.092	0.076	0.092	0.071	0.079	0.082	0.082	0.009	2.25	281950	0.071	-0.011	-2.34
67	CHLOROBENZENE	1.087	1.030	1.042	1.051	1.045	1.075	1.055	0.022	1.60	1027097	1.051	-0.004	-0.31
68	ETHYLBENZENE	0.724	0.709	0.756	0.759	0.771	0.792	0.758	0.024	3.13	584591	0.759	0.010	1.37
69	m & p - XYLENES	0.398	0.367	0.984	0.981	0.992	1.017	0.990	0.017	1.70	1481652	0.981	-0.009	-0.90
70	BROMOFORM	0.051	0.006	0.037	0.047	0.046	0.051	0.044	0.007	1.38	263685	0.047	0.002	3.37
71	STYRENE	1.295	1.070	1.466	1.499	1.531	1.565	1.456	0.107	7.38	1109587	1.499	0.043	2.93
72	2-BUTOXYETHANOL	2.062	1.059	1.042	1.062	1.066	2.000	1.380	0.044	2.25	1492111	1.062	-0.013	-0.90
73	1,1,2,2-TETRACHLOROETHANE	1.022	0.982	0.944	0.925	0.932	0.944	0.958	0.037	3.87	703041	0.925	-0.004	-3.51
74	NONANE	2.794	2.582	2.504	2.501	2.525	2.588	2.549	0.080	3.02	1977721	2.501	-0.048	-1.92
75	o - XYLENE	0.959	0.927	0.928	0.922	0.923	0.936	0.932	0.014	1.49	700911	0.922	-0.011	-1.14
76	CUMENE	2.048	2.047	2.078	2.076	2.102	2.148	2.083	0.038	1.83	1578481	2.076	-0.007	-0.35
77	1-HEPTANOL	0.196	0.274	0.066	0.087	0.158	0.140	0.255	0.104	40.88	294214	0.087	0.132	51.75
78	4-ETHYLTOLUENE	2.464	2.407	2.483	2.469	2.502	2.542	2.433	0.036	1.45	1877117	2.469	-0.014	-0.57
79	a-PINENE	1.279	1.008	1.030	1.057	1.049	1.093	1.036	0.040	3.01	1031794	1.057	0.021	1.58
80	Bis-(2-CHLOROETHYL) ETHER	0.671	0.592	0.750	0.772	0.866	0.812	0.894	0.059	8.46	586752	0.772	0.078	11.23
81	1,2,3-TRIMETHYLBENZENE	1.393	1.348	1.332	1.306	1.342	1.375	1.349	0.031	1.57	1073153	1.306	-0.040	-2.95
82	n-DECANE	2.524	2.067	2.336	2.291	2.321	2.394	2.372	0.083	3.48	1742034	2.291	-0.081	-3.40
83	beta-PINENE	1.129	1.098	1.168	1.156	1.179	1.207	1.156	0.038	3.32	879000	1.156	0.000	0.02
84	1,2,4-TRIMETHYLBENZENE	1.363	1.312	1.346	1.778	1.313	1.334	1.342	0.064	3.45	1052062	1.778	-0.064	-2.45
85	BROMOFLUOROBENZENE	0.206	0.240	0.241	0.207	0.204	0.202	0.207	0.004	1.53	130567	0.207	0.001	**
86	BENZYL CHLORIDE	1.206	1.241	1.310	1.418	1.451	1.517	1.357	0.124	9.12	1073061	1.418	0.161	8.42
87	1,3-DICHLOROBENZENE	0.834	0.798	0.783	0.771	0.772	0.779	0.789	0.024	3.01	586575	0.771	-0.018	-2.28
88	2-ETHYL-1-HEXANOL	0.388	0.460	0.549	0.604	0.281	0.267	0.425	0.138	32.59	458971	0.604	0.179	42.09
89	1,4-DICHLOROBENZENE	0.972	0.921	0.910	0.876	0.878	0.889	0.908	0.036	4.01	665782	0.876	-0.032	-3.52
90	d-LIMONENE	0.898	0.901	0.909	0.912	0.926	0.936	0.914	0.015	1.59	693178	0.912	-0.002	-0.23
91	1,2-DICHLOROBENZENE	0.853	0.815	0.784	0.743	0.750	0.755	0.784	0.043	5.54	564904	0.743	-0.041	-5.20
92	1-NONANOL	0.376	0.348	0.314	0.286	0.271	0.267	0.310	0.044	14.20	217843	0.286	-0.024	-7.72
93	1,2-DIBROMO-3-CHLOROPROPA	0.320	0.322	0.226	0.303	0.302	0.311	0.314	0.010	3.25	230408	0.303	-0.011	-3.47
94	NONANAL	0.203	0.254	0.295	0.309	0.311	0.321	0.281	0.045	16.01	235223	0.309	0.029	10.24
95	n-UNDECANE	2.210	2.100	2.080	1.987	1.996	2.054	2.071	0.082	3.94	1510964	1.987	-0.084	-4.06
96	n-DODECANE	2.018	1.901	1.797	1.736	1.567	1.545	1.794	0.144	8.03	1319721	1.736	-0.058	-3.24
97	1,2,4-TRICHLOROBENZENE	0.427	0.461	0.446	0.426	0.417	0.421	0.433	0.017	3.95	323746	0.426	-0.007	-1.53
98	NAPHTHALENE	1.400	1.435	1.409	1.342	1.309	1.334	1.371	0.050	3.64	1020541	1.342	-0.029	-2.10
99	HEXACHLOROBUTADIENE	0.309	0.272	0.267	0.249	0.248	0.252	0.266	0.023	8.68	189330	0.249	-0.017	-6.37

File : C:\HPCHEM\1\DATA\S102997\10299707.D
Operator : CJC
Acquired : 29 Oct 97 12:43 pm using AcqMethod FCTO14B
Instrument : 5989 - In
Sample Name: 100 NG TO-14 STD (S10299701/S10299702)
Misc Info :
Vial Number: 2



TO-14 RESULTS (PAGE 1 OF 3)

File	C:\HPCHEM\1\DATA\S10299\10299707.D
Operator	CJC
Date	29 Oct 97 12:43 pm
Sample	100 NG TO-14 STD (S10299701/S10299702)
Conditions	5989A/ENTECH 7000

CPD #	Compound	RRT(L)	Area	RRF	Amount	Units	PPB(V)
1	BROMOCHLOROMETHANE	11.85	161142	1.000	50.00	NG	**
2	PROPENE	3.97	2213333	10.176	67.49	NG	39.31
3	DICHLORODIFLUOROMETHANE	4.13	2253503	3.452	203.44	NG	41.47
4	CHLOROMETHANE	4.48	1057233	5.014	33.99	NG	41.09
5	DICHLOROTETRAFLUOROETHA	4.69	2583425	2.948	271.89	NG	39.12
6	VINYL CHLORIDE	4.97	1431503	4.409	100.73	NG	39.74
7	1,3-BUTADIENE	5.26	1493065	5.093	30.96	NG	41.20
8	BROMOMETHANE	5.31	330218	2.009	143.69	NG	37.39
9	CHLOROETHANE	5.14	316681	2.356	107.08	NG	40.93
10	ETHANOL	5.28	384787	3.032	90.53	NG	48.14
11	ACETONITRILE	5.72	2742023	3.728	97.49	NG	58.16
12	ACROLEIN	5.96	730825	2.505	97.03	NG	42.38
13	ACETONE	7.17	356209	2.708	97.03	NG	40.92
14	PROPYLENE OXIDE	7.45	598593	1.935	95.97	NG	40.47
15	TRICHLOROFLUOROMETHANE	7.51	1527295	2.049	214.95	NG	38.86
16	ISOPROPYL ALCOHOL	7.53	2745485	3.550	88.28	NG	35.39
17	ACRYLONITRILE	7.95	1395161	5.700	102.08	NG	47.11
18	tert-BUTANOL	8.53	2217819	3.169	94.24	NG	27.84
19	1,1-DICHLOROETHENE	8.55	1448825	4.711	95.29	NG	24.23
20	METHYLENE CHLORIDE	8.71	1575103	5.039	96.39	NG	23.24
21	ALLYL CHLORIDE	9.90	384426	1.863	97.05	NG	31.33
22	TRICHLOROTRIFLUOROETHANE	9.12	3091137	2.600	295.31	NG	37.52
23	CARBON DISULFIDE	9.29	5504554	11.290	99.37	NG	32.13
24	trans-1,2-DICHLOROETHENE	10.10	1455102	4.558	96.83	NG	24.70
25	1,1-DICHLOROETHANE	10.43	1785600	5.703	97.16	NG	24.25
26	cis-1,2-DICHLOROETHENE	11.31	1309671	4.311	96.43	NG	24.57
27	t-BUTYL METHYL ETHER	10.47	2772024	8.580	99.09	NG	27.54
28	VINYL ACETATE	10.55	5242436	16.525	97.34	NG	27.33
29	2-BUTANONE	10.93	4296490	13.564	97.04	NG	33.07
30	2-METHYL PENTANE	11.24	2394201	8.127	98.09	NG	27.38
31	ETHYL ACETATE	11.79	4648637	14.645	98.49	NG	27.38
32	n-HEXANE	11.88	2214515	6.970	98.58	NG	23.04
33	CHLOROFORM	12.02	1295546	4.236	94.89	NG	19.67
34	2-METHYL-1-PROPANOL	12.39	1640468	5.522	76.86	NG	25.41
35	1,2-DICHLOROETHANE-D4	12.92	425642	2.755	47.94	NG	**
36	1,2-DICHLOROETHANE	13.07	1171295	3.790	95.39	NG	23.93
37	1,4-DIFLUOROBENZENE	14.48	1027199	1.000	50.00	NG	**
38	1,1,1-TRICHLOROETHANE	13.46	389410	0.427	101.43	NG	18.80
39	1-BUTANOL	13.76	766851	0.847	57.70	NG	19.07
40	BENZENE	14.11	3317660	1.759	105.64	NG	33.13
41	CARBON TETRACHLORIDE	14.32	728553	0.344	103.11	NG	16.59
42	VALERALDEHYDE (PENTANAL)	14.93	2420252	1.125	104.89	NG	29.78
43	1,2-DICHLOROPROPANE	15.24	1050760	0.505	101.26	NG	22.11
44	1,4-DIOXANE	15.48	818044	0.314	95.75	NG	26.61

TO-14 RESULTS (Page 2 of 3)

File	C:\HPCHEM\1\DATA\S102997\10299707.D
Operator	CJC
Date	29 Oct 97 12:43 pm
Sample	100 NG TO-14 STD (S10299701,S10299702)
Conditions	5989A/ENTECH 7000

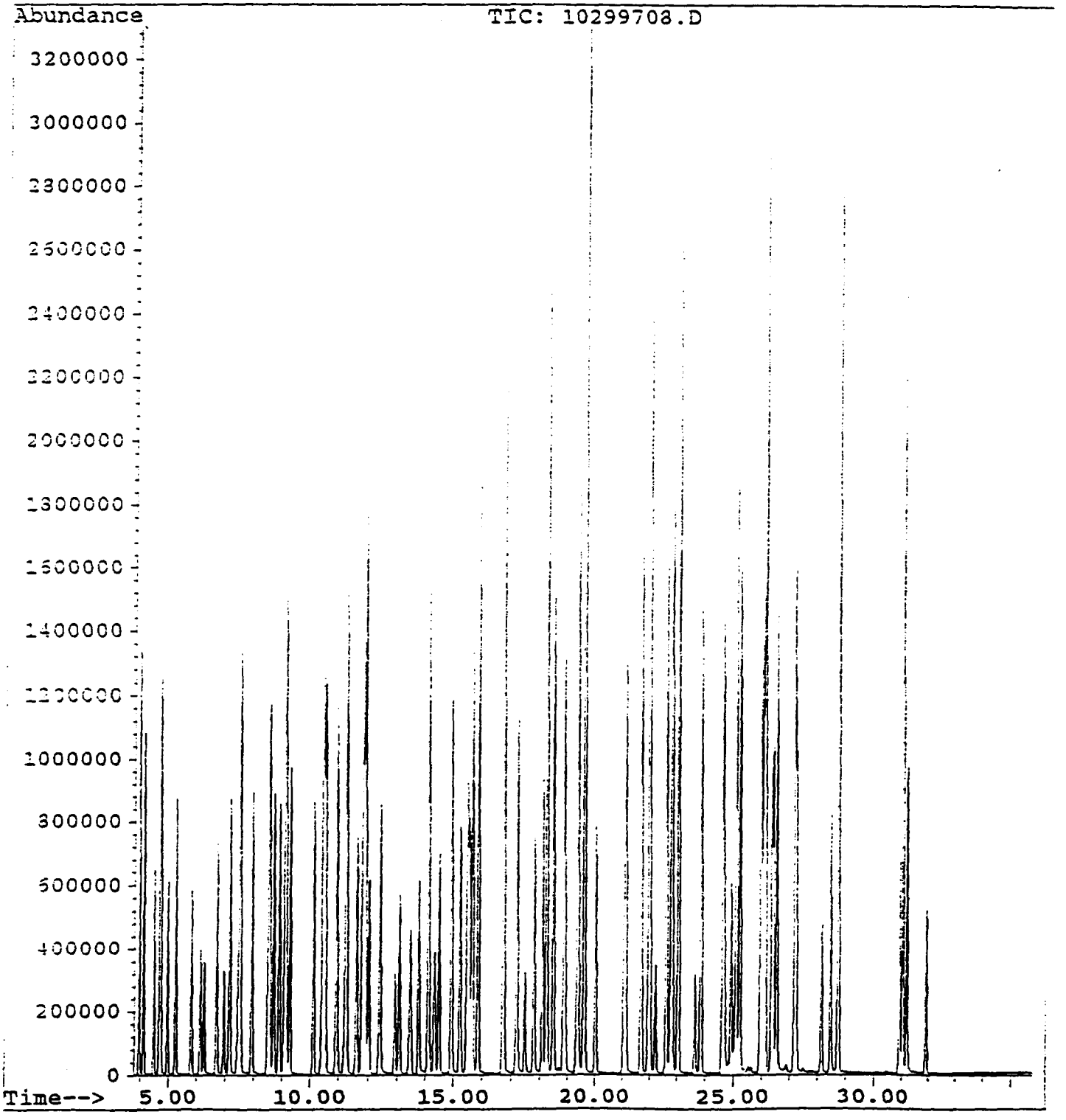
CPD #	Compound	RRT	Area	RRF	Amount	Units	
45	BROMODICHLOROMETHANE	15.49	359184	0.465	100.36	NG	15.15
46	TRICHLOROETHENE	15.55	709693	0.341	101.24	NG	19.05
47	EPICHLOROHYDRIN	15.65	175773	0.085	100.73	NG	26.78
48	METHYL METHACRYLATE	15.36	2154271	1.017	103.16	NG	25.23
49	HEPTANE	15.36	2949585	1.393	103.06	NG	25.21
50	cis-1,3-DICHLOROPROPENE	16.74	2040856	0.577	146.70	NG	32.62
51	4-METHYL-2-PENTANONE	16.73	3702113	1.758	103.35	NG	25.28
52	DIMETHYL DISULFIDE	17.20	1704091	0.795	106.17	NG	27.63
53	trans-1,3-DICHLOROPROPENE	17.48	715513	0.340	54.29	NG	12.09
54	1,1,2-TRICHLOROETHANE	17.30	712767	0.333	102.39	NG	19.03
55	CHLOROBENZENE-D5	21.06	740824	1.000	50.00	NG	**
56	TOLUENE-D8	13.09	1138627	1.382	51.14	NG	**
57	1,2-DICHLOROPROPANE	18.24	1667723	1.119	100.31	NG	21.37
58	TOLUENE	18.25	3375908	2.208	103.19	NG	27.44
59	2-HEXANONE	18.49	3660521	2.330	106.01	NG	25.33
60	HEXANAL	18.38	1301327	0.374	102.30	NG	25.17
61	DIBROMOCHLOROMETHANE	18.33	686568	0.454	102.04	NG	12.12
62	BUTYL ACETATE	19.09	4494091	2.335	103.05	NG	21.79
63	TETRAHYDROTHIOPHENE	19.31	1420537	0.343	101.38	NG	28.26
64	OCTANE	19.32	4132322	2.788	101.27	NG	21.73
65	1,2-DIBROMOETHANE	19.34	774849	0.506	103.24	NG	10.53
66	TETRACHLOROETHENE	20.03	566661	0.371	103.14	NG	15.38
67	CHLOROBENZENE	21.13	2037486	1.351	101.30	NG	22.23
68	ETHYLBENZENE	21.71	1172811	0.769	102.96	NG	23.76
69	m & p - XYLENES	22.01	3012584	0.381	207.30	NG	47.34
70	BROMOFORM	22.23	520563	0.347	101.31	NG	8.31
71	STYRENE	22.30	2043209	1.439	105.75	NG	24.37
72	2-BUTOXYETHANOL	23.06	2962936	1.962	101.94	NG	21.13
73	1,1,2,2-TETRACHLOROETHANE	22.79	1398981	0.925	102.12	NG	15.05
74	NONANE	23.06	3982860	2.601	103.35	NG	19.75
75	o - XYLENE	22.33	1386569	0.922	101.52	NG	23.43
76	CUMENE	23.37	3132986	2.076	103.49	NG	21.09
77	1-HEPTANOL	24.39	297289	0.387	36.16	NG	7.62
78	4-ETHYLTOLUENE	25.09	3765981	2.469	102.96	NG	20.39
79	a-PINENE	24.53	2064342	1.357	102.38	NG	18.47
80	bis-(2-CHLOROETHYL) ETHER	24.92	306464	0.772	79.28	NG	13.66
81	1,3,5-TRIMETHYLBENZENE	25.23	2777672	1.306	103.81	NG	21.16
82	n-DECANE	26.13	3547815	2.291	104.52	NG	18.00
83	beta-PINENE	25.97	1787775	1.156	104.38	NG	18.77
84	1,2,4-TRIMETHYLBENZENE	26.06	2716994	1.778	103.13	NG	21.02
85	BROMOFLUOROBENZENE	23.68	171534	0.237	48.75	NG	**
86	BENZYL CHLORIDE	26.35	2247305	1.418	106.98	NG	20.77
87	1,3-DICHLOROBENZENE	26.42	1153714	0.771	100.94	NG	16.91

TO-14 RESULTS (PAGE 3 OF 3)

File	C:\HPCHEM\1\DATA\S102997\10299707.D
Operator	CJC
Date	29 Oct 97 12:43 pm
Sample	100 NG TO-14 STD (S10299701/S10299702)
Conditions	5989A/ENTECH 7000

CPD #	Compound	RRT(L)	Area	RRF	Amount	Units	PPB(V)
88	2-ETHYL-1-HEXANOL	26.53	394970	0.604	44.16	NG	8.31
89	1,4-DICHLOROBENZENE	26.54	1317122	0.876	101.53	NG	17.01
90	d-LIMONENE	27.19	1386322	0.912	102.64	NG	18.46
91	1,2-DICHLOROBENZENE	27.26	1119074	0.743	101.66	NG	17.03
92	1-NONANOL	31.05	395464	0.286	93.16	NG	15.82
93	1,2-DIBROMO-3-CHLOROPROPA	28.16	460400	0.303	102.55	NG	10.72
94	NONANAL	23.47	476094	0.309	103.37	NG	17.89
95	n-UNDECANE	28.75	3042980	1.987	103.35	NG	16.21
96	n-DODECANE	31.05	2436747	1.736	94.76	NG	13.53
97	1,2,4-TRICHLOROBENZENE	30.93	623236	0.425	98.79	NG	13.43
98	NAPHTHALENE	31.20	1975916	1.242	99.26	NG	18.99
99	HEXACHLOROBUTADIENE	31.33	372780	0.249	101.35	NG	9.58

File : C:\HPCHEM\1\DATA\S102997\10299708.D
Operator : CJC
Acquired : 29 Oct 97 1:42 pm using AcqMethod FCTO14B
Instrument : 5989 - In
Sample Name: 75 NG TO-14 STD (S10299701/S10299702)
Misc Info :
Vial Number: 2



TO-14 RESULTS (PAGE 1 OF 3)

File	C:\HPCHEM\1\DATA\S102997\10299708.D
Operator	CJC
Date	29 Oct 97 1:42 pm
Sample	75 NG TO-14 STD (S10299701/S10299702)
Conditions	5989A/ENTECH 7000

CPD

#	Compound	RRT(L)	Area	RRF	Amount	Units	PPB(V)
1	BROMOCHLOROMETHANE	11.36	161119	1.000	50.00	NG	**
2	PROPENE	3.98	1607161	10.176	49.01	NG	28.55
3	DICHLORODIFLUOROMETHANE	4.14	1663328	3.452	149.52	NG	30.48
4	CHLOROMETHANE	4.49	969181	5.014	59.99	NG	29.35
5	DICHLOROTETRAFLUOROETHA	4.70	1870322	2.948	196.87	NG	28.33
6	VINYL CHLORIDE	4.98	1012741	4.409	71.28	NG	28.12
7	1,3-BUTADIENE	5.27	1077986	5.093	65.69	NG	29.75
8	BROMOMETHANE	5.32	571731	2.009	103.78	NG	27.00
9	CHLOROETHANE	5.14	570494	2.356	78.59	NG	30.07
10	ETHANOL	5.28	575605	3.032	59.14	NG	36.76
11	ACETONITRILE	5.72	2028679	3.728	72.13	NG	43.03
12	ACROLEIN	5.96	574120	2.305	71.13	NG	31.07
13	ACETONE	7.13	344473	2.703	70.04	NG	30.30
14	PROPYLENE OXIDE	7.46	451256	1.335	72.36	NG	30.32
15	TRICHLOROFLUOROMETHANE	7.52	1134400	2.049	157.79	NG	28.08
16	ISOPROPYL ALCOHOL	7.54	2157141	3.350	69.07	NG	28.23
17	ACRYLONITRILE	7.85	1000550	5.700	72.22	NG	33.33
18	tert-BUTANOL	8.33	1754338	3.169	56.64	NG	22.03
19	1,1-DICHLOROETHENE	8.56	1081554	4.711	71.25	NG	18.16
20	METHYLENE CHLORIDE	8.71	1169248	5.039	72.01	NG	20.87
21	ALLYL CHLORIDE	8.91	402993	1.363	72.13	NG	23.22
22	TRICHLOROTRIFLUOROETHANE	9.13	1320216	2.300	217.22	NG	28.57
23	CARBON DISULFIDE	9.30	2303054	11.290	72.45	NG	23.32
24	trans-1,2-DICHLOROETHENE	10.14	690298	4.358	72.34	NG	18.81
25	1,1-DICHLOROETHANE	10.44	1024685	5.703	72.09	NG	17.99
26	cis-1,2-DICHLOROETHENE	11.61	1000060	4.011	71.99	NG	18.34
27	t-BUTYL METHYL ETHER	10.48	2079147	3.580	74.34	NG	20.66
28	VINYL ACETATE	10.56	3923979	16.325	70.06	NG	20.96
29	2-BUTANONE	10.34	3203525	13.664	72.76	NG	24.72
30	3-METHYL PENTANE	11.25	2127682	3.127	72.04	NG	20.58
31	ETHYL ACETATE	11.30	3360966	14.345	71.22	NG	19.30
32	n-HEXANE	11.89	1650264	6.370	73.47	NG	20.90
33	CHLOROFORM	12.03	967484	4.236	70.87	NG	14.69
34	2-METHYL-1-PROPANOL	12.40	1023955	5.522	62.04	NG	20.51
35	1,2-DICHLOROETHANE-D4	12.92	420539	2.755	47.37	NG	**
36	1,2-DICHLOROETHANE	13.08	370797	2.790	71.30	NG	17.30
37	1,4-DIFLUOROBENZENE	14.49	1053484	1.000	50.00	NG	**
38	1,1,1-TRICHLOROETHANE	13.46	369361	0.427	74.43	NG	13.79
39	1-BUTANOL	13.76	700327	0.847	51.38	NG	16.98
40	BENZENE	14.11	2325161	1.759	76.23	NG	23.90
41	CARBON TETRACHLORIDE	14.32	342397	0.344	74.85	NG	12.05
42	VALERALDEHYDE (PENTANAL)	14.94	1815701	1.125	76.58	NG	21.78
43	1,2-DICHLOROPROPANE	15.24	799788	0.505	75.15	NG	16.41
44	1,4-DIOXANE	15.49	480206	0.314	72.54	NG	20.16

TO-14 RESULTS (Page 2 of 3)

File	C:\HPCHEM\1\DATA\S102997\10299708.D
Operator	CJC
Date	29 Oct 97 1:42 pm
Sample	75 NG TO-14 STD (S10299701/S10299702)
Conditions	5989A/ENTECH 7000

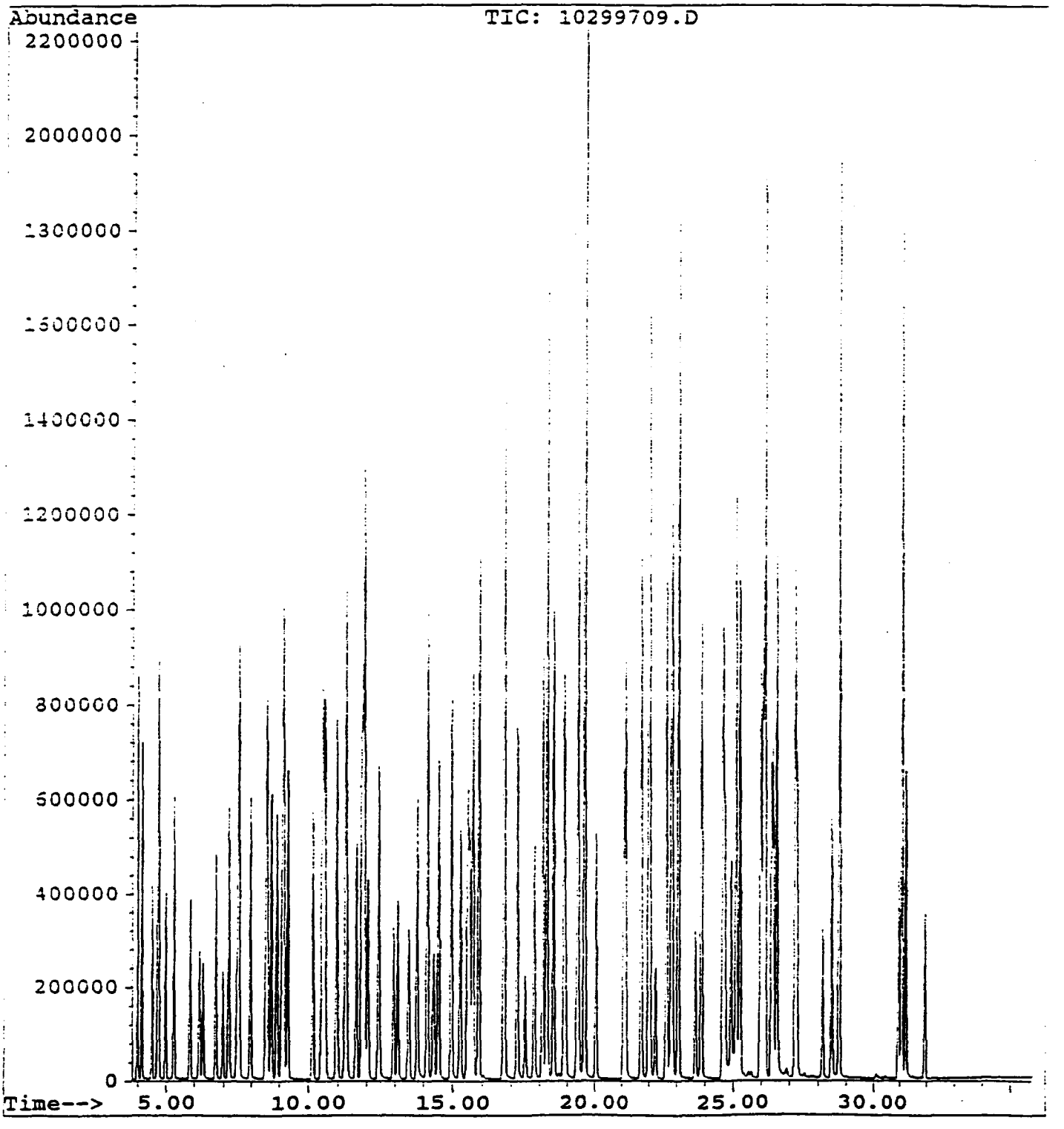
CPD #	Compound	RRT	Area	RRF	Amount	Units	
45	BROMODICHLOROMETHANE	15.49	729492	0.465	74.12	NG	11.19
46	TRICHLOROETHENE	15.56	534522	0.341	74.35	NG	13.99
47	EPICHLOROHYDRIN	15.55	129067	0.085	72.12	NG	19.17
48	METHYL METHACRYLATE	15.57	1601453	1.017	74.77	NG	18.29
49	HEPTANE	15.37	2205075	1.293	75.12	NG	13.38
50	cis-1,3-DICHLOROPROPENE	16.74	1533968	0.977	107.52	NG	23.31
51	4-METHYL-2-PENTANONE	16.73	2783615	1.758	75.16	NG	13.38
52	DIMETHYL DISULFIDE	17.20	1272118	0.795	75.34	NG	19.76
53	trans-1,3-DICHLOROPROPENE	17.48	513812	0.540	28.45	NG	8.55
54	1,1,2-TRICHLOROETHANE	17.30	504078	0.308	75.03	NG	13.90
55	CHLOROBENZENE-D5	21.06	750742	1.000	50.00	NG	**
56	TOLUENE-D8	18.10	1222060	1.582	51.29	NG	**
57	1,3-DICHLOROPROPANE	18.25	1230162	1.119	75.31	NG	16.58
58	TOLUENE	18.26	2500973	2.208	76.13	NG	20.24
59	2-HEXANONE	18.49	1388035	1.030	76.51	NG	13.72
60	HEXANAL	18.38	381308	0.374	74.56	NG	13.24
61	DIBROMOCHLOROMETHANE	18.93	511621	0.454	74.73	NG	8.37
62	BUTYL ACETATE	19.09	2296884	2.335	74.52	NG	16.71
63	TETRAHYDROTHIOPHENE	19.51	1074264	0.943	75.58	NG	21.01
64	OCTANE	19.52	3150277	2.788	75.04	NG	16.10
65	1,2-DIBROMOETHANE	19.05	573070	0.506	75.30	NG	8.38
66	TETRACHLOROETHENE	20.03	429789	0.371	76.71	NG	11.44
67	CHLOROBENZENE	21.14	1520916	1.251	74.69	NG	16.31
68	ETHYLBENZENE	21.72	371474	0.769	75.19	NG	17.35
69	m & p - XYLENES	22.01	2240498	0.981	151.73	NG	35.01
70	BROMOFORM	22.23	291000	0.247	74.30	NG	7.32
71	STYRENE	22.30	1701442	1.499	76.64	NG	18.02
72	2-BUTOXYETHANOL	23.07	2211321	1.962	74.75	NG	15.50
73	1,1,2,2-TETRACHLOROETHANE	22.79	1054276	0.925	75.64	NG	11.15
74	NONANE	23.07	2968107	2.601	75.70	NG	14.47
75	o - XYLENE	22.94	1043353	0.922	75.08	NG	17.33
76	CUMENE	23.37	2376588	2.076	75.94	NG	15.48
77	1-HEPTANOL	24.70	190119	0.387	32.59	NG	6.37
78	4-ETHYLTOLUENE	25.10	2829324	2.469	76.03	NG	15.50
79	a-PINENE	24.63	1525418	1.357	74.57	NG	13.41
80	bis-(2-CHLOROETHYL) ETHER	24.92	753249	0.772	64.75	NG	11.15
81	1,3,5-TRIMETHYLBENZENE	25.23	2082791	1.306	76.51	NG	15.59
82	n-DECANE	26.13	2624233	2.291	75.98	NG	13.09
83	beta-PINENE	25.97	1331565	1.156	76.41	NG	13.74
84	1,2,4-TRIMETHYLBENZENE	26.06	2055184	1.778	76.67	NG	15.63
85	BROMOFLUOROBENZENE	23.66	176074	0.237	49.19	NG	**
86	BENZYL CHLORIDE	26.35	1640338	1.418	76.75	NG	14.90
87	1,3-DICHLOROBENZENE	26.42	872394	0.771	75.02	NG	12.57

TO-14 RESULTS (PAGE 3 OF 3)

File	C:\HPCHEM\1\DATA\S102997\10299708.D
Operator	CJC
Date	29 Oct 97 1:42 pm
Sample	75 NG TO-14 STD (S10299701/S10299702)
Conditions	5989A/ENTECH 7000

CPD #	Compound	RRT(L)	Area	RRF	Amount	Units	PPB(V)
88	2-ETHYL-1-HEXANOL	26.53	317765	0.604	34.92	NG	6.57
89	1,4-DICHLOROBENZENE	26.54	392454	0.876	75.19	NG	12.60
90	d-LIMONENE	27.19	1047373	0.912	76.21	NG	13.71
91	1,2-DICHLOROBENZENE	27.26	848381	0.743	75.75	NG	12.69
92	1-NONANOL	31.05	306829	0.286	71.05	NG	12.07
93	1,2-DIBROMO-3-CHLOROPROPA	28.16	341146	0.303	74.68	NG	7.81
94	NONANAL	29.49	351816	0.309	75.44	NG	13.00
95	n-UNDECANE	28.75	2256150	1.987	75.32	NG	11.81
96	n-DODECANE	31.05	1884186	1.736	72.01	NG	10.36
97	1,2,4-TRICHLOROBENZENE	30.33	470987	0.426	73.38	NG	9.97
98	NAPHTHALENE	31.20	1479679	1.342	73.13	NG	13.98
99	HEXACHLOROBUTADIENE	31.33	280322	0.249	74.58	NG	7.08

File : C:\HPCHEM\1\DATA\S102997\10299709.D
Operator : CJC
Acquired : 29 Oct 97 2:40 pm using AcqMethod FCTO14B
Instrument : 5989 - In
Sample Name: 50 NG TO-14 STD (S10299701/S10299702)
Misc Info :
Vial Number: 2



TO-14 RESULTS (PAGE 1 OF 3)

File	C:\HPCHEM\1\DATA\S102997\10299709.D
Operator	CJC
Date	29 Oct 97 2:40 pm
Sample	50 NG TO-14 STD (S10299701/S10299702)
Conditions	5989A/ENTECH 7000

CPD #	Compound	RRT(L)	Area	RRF	Amount	Units	PPB(V)
1	BROMOCHLOROMETHANE	11.36	154914	1.000	50.00	NG	**
2	PROPENE	3.98	1062446	10.176	33.70	NG	19.63
3	DICHLORODIFLUOROMETHANE	4.14	1049281	3.452	98.10	NG	20.00
4	CHLOROMETHANE	4.50	352444	5.014	42.00	NG	20.55
5	DICHLOROTETRAFLUOROETHA	4.71	1232469	2.948	140.40	NG	20.20
6	VINYL CHLORIDE	4.98	383070	4.409	50.00	NG	19.73
7	1,3-BUTADIENE	5.27	724275	5.093	45.90	NG	20.79
8	BROMOMETHANE	5.33	454319	2.009	73.00	NG	19.00
9	CHLOROETHANE	5.15	452533	2.356	55.00	NG	21.02
10	ETHANOL	5.29	469766	3.032	50.00	NG	26.59
11	ACETONITRILE	5.72	1352152	3.723	50.00	NG	29.33
12	ACROLEIN	5.97	288034	2.505	50.00	NG	21.34
13	ACETONE	7.19	424160	2.738	50.00	NG	21.09
14	PROPYLENE OXIDE	7.47	299807	1.335	50.00	NG	21.09
15	TRICHLOROFLUOROMETHANE	7.30	300583	2.049	110.00	NG	19.73
16	ISOPROPYL ALCOHOL	7.34	1494395	3.550	50.00	NG	20.38
17	ACRYLONITRILE	7.36	387367	5.730	50.00	NG	23.08
18	tert-BUTANOL	3.53	1295498	3.169	50.00	NG	16.33
19	1,1-DICHLOROETHENE	8.36	729792	4.711	50.00	NG	12.74
20	METHYLENE CHLORIDE	8.72	780582	5.039	50.00	NG	14.56
21	ALLYL CHLORIDE	8.31	288570	1.363	50.00	NG	16.09
22	TRICHLOROTRIFLUOROETHANE	9.12	1216604	2.300	151.00	NG	19.36
23	CARBON DISULFIDE	9.30	1747484	11.290	50.00	NG	16.09
24	trans-1,2-DICHLOROETHENE	10.14	721389	4.358	50.00	NG	12.74
25	1,1-DICHLOROETHANE	10.44	382409	5.703	50.00	NG	12.48
26	cis-1,2-DICHLOROETHENE	11.62	567813	4.311	50.00	NG	12.74
27	t-BUTYL METHYL ETHER	10.48	1044616	3.680	50.00	NG	13.90
28	VINYL ACETATE	10.55	2575503	16.625	50.00	NG	14.22
29	2-BUTANONE	10.95	2116725	13.564	50.00	NG	16.99
30	3-METHYL PENTANE	11.25	1410923	9.127	50.00	NG	14.22
31	ETHYL ACETATE	11.81	2258696	14.645	50.00	NG	13.90
32	n-HEXANE	11.39	1079767	5.970	50.00	NG	14.22
33	CHLOROFORM	12.02	356248	4.236	50.00	NG	10.36
34	2-METHYL-1-PROPANOL	12.40	1025880	6.622	50.00	NG	16.53
35	1,2-DICHLOROETHANE-D4	12.33	426777	2.755	50.00	NG	**
36	1,2-DICHLOROETHANE	13.08	387130	2.790	50.00	NG	12.48
37	1,4-DIFLUOROBENZENE	14.50	1043245	1.000	50.00	NG	**
38	1,1,1-TRICHLOROETHANE	13.46	445286	0.427	50.00	NG	9.27
39	1-BUTANOL	13.77	374936	0.647	50.00	NG	16.53
40	BENZENE	14.12	1835067	1.759	50.00	NG	15.68
41	CARBON TETRACHLORIDE	14.23	358793	0.344	50.00	NG	8.05
42	VALERALDEHYDE (PENTANAL)	14.94	1173983	1.125	50.00	NG	14.22
43	1,2-DICHLOROPROPANE	15.25	526959	0.506	50.00	NG	10.92
44	1,4-DIOXANE	15.49	327785	0.314	50.00	NG	13.90

TO-14 RESULTS (Page 2 of 3)

File	C:\HPCHEM\1\DATA\S102997\10299709.D
Operator	CJC
Date	29 Oct 97 2:40 pm
Sample	50 NG TO-14 STD (S10299701/S10299702)
Conditions	5989A/ENTECH 7000

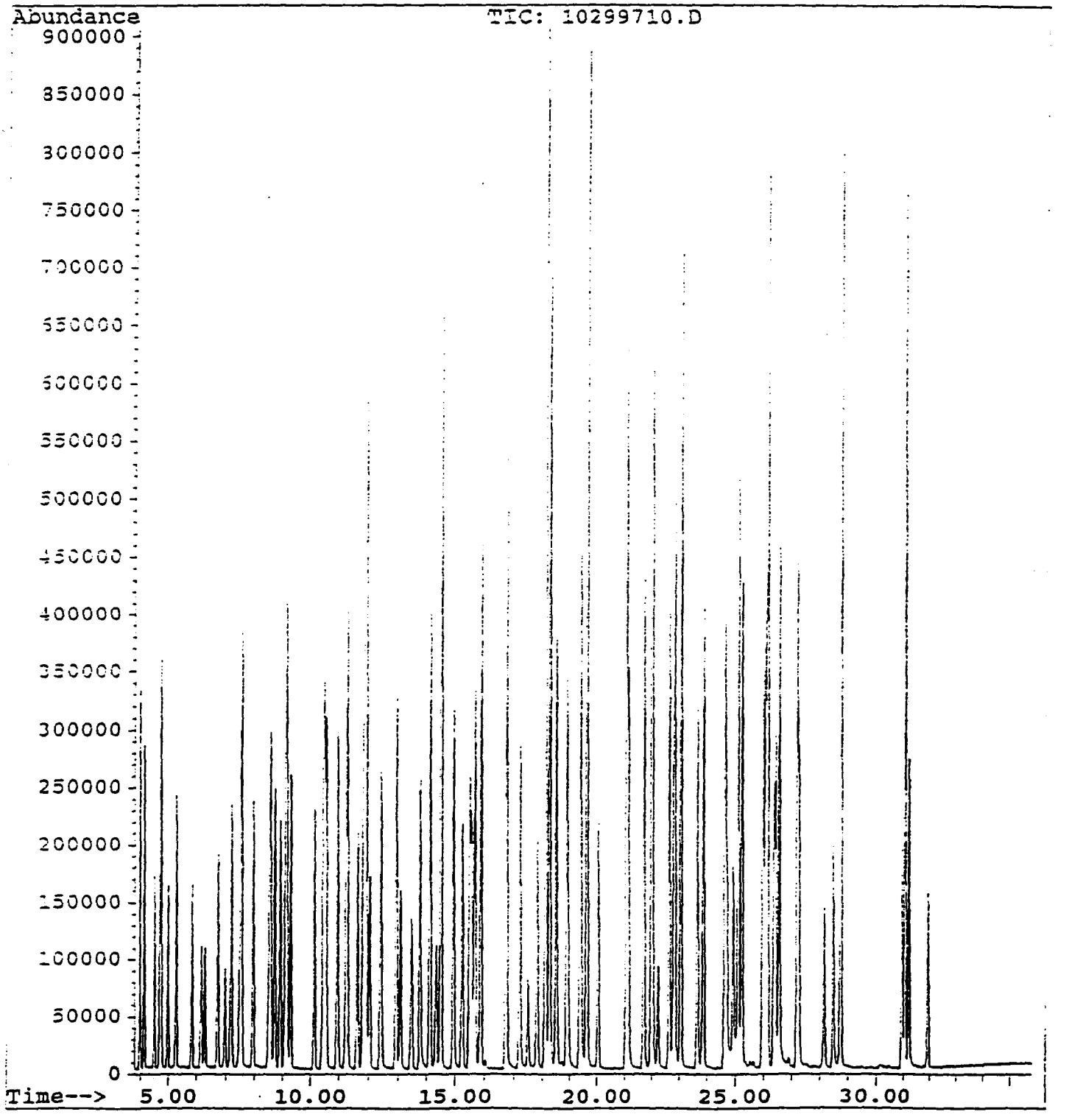
CPD #	Compound	RRT	Area	RRF	Amount	Units	
45	BROMODICHLOROMETHANE	15.50	485328	0.465	50.00	NG	7.55
46	TRICHLOROETHENE	15.56	355976	0.341	50.00	NG	9.41
47	EPICHLOROHYDRIN	15.55	38613	0.085	50.00	NG	13.29
48	METHYL METHACRYLATE	15.67	1060488	1.017	50.00	NG	12.23
49	HEPTANE	15.38	1453378	1.393	50.00	NG	12.23
50	cis-1,3-DICHLOROPROPENE	16.74	1017271	0.377	72.00	NG	16.01
51	4-METHYL-2-PENTANONE	16.73	1833786	1.758	50.00	NG	12.23
52	DIMETHYL DISULFIDE	17.20	829423	0.795	50.00	NG	13.01
53	trans-1,3-DICHLOROPROPENE	17.48	247084	0.340	26.00	NG	5.78
54	1,1,2-TRICHLOROETHANE	17.31	252464	0.338	50.00	NG	8.27
55	CHLOROBENZENE-D5	21.07	760385	1.000	50.00	NG	**
56	TOLUENE-D8	13.10	1002739	1.382	50.00	NG	**
57	1,3-DICHLOROPROPANE	13.25	350682	1.119	50.00	NG	10.92
58	TOLUENE	13.26	1673892	2.208	50.00	NG	13.29
59	2-HEXANONE	18.50	1772046	2.030	50.00	NG	12.23
60	HEXANAL	18.37	564258	0.374	50.00	NG	12.23
61	DIBROMOCHLOROMETHANE	13.93	345014	0.454	50.00	NG	5.84
62	BUTYL ACETATE	19.09	2231553	2.935	50.00	NG	10.54
63	TETRAHYDROTHIOPHENE	19.62	716936	0.943	50.00	NG	13.90
64	OCTANE	19.63	2119621	2.788	50.00	NG	10.73
65	1,2-DIBROMOETHANE	19.25	235053	0.506	50.00	NG	8.53
66	TETRACHLOROETHENE	20.94	281950	0.071	50.00	NG	7.46
67	CHLOROBENZENE	21.14	1027097	1.351	50.00	NG	10.92
68	ETHYLBENZENE	21.72	584591	0.769	50.00	NG	11.54
69	m & p - XYLENES	22.01	1491652	0.981	100.00	NG	23.08
70	BROMOFORM	22.24	260685	0.347	50.00	NG	4.39
71	STYRENE	22.34	1103587	1.439	50.00	NG	11.76
72	2-BUTOXYETHANOL	23.06	1492111	1.962	50.00	NG	10.36
73	1,1,2,2-TETRACHLOROETHANE	22.80	703041	0.925	50.00	NG	7.37
74	NONANE	23.06	1977721	2.601	50.00	NG	9.55
75	o - XYLENE	22.34	700911	0.922	50.00	NG	11.54
76	CUMENE	23.37	1578481	2.076	50.00	NG	10.19
77	1-HEPTANOL	24.70	294214	0.387	50.00	NG	10.54
78	4-ETHYLTOLUENE	25.10	1877117	2.469	50.00	NG	10.19
79	α-PINENE	24.83	1031794	1.357	50.00	NG	3.99
80	bis-(2-CHLOROETHYL) ETHER	24.92	586752	0.772	50.00	NG	3.61
81	1,3,5-TRIMETHYLBENZENE	25.23	1373153	1.806	50.00	NG	10.19
82	n-DECANE	26.13	1742034	2.291	50.00	NG	3.61
83	beta-PINENE	25.96	379000	1.156	50.00	NG	3.99
84	1,2,4-TRIMETHYLBENZENE	26.05	1352062	1.778	50.00	NG	10.19
85	BROMOFLUOROBENZENE	23.67	180567	0.237	50.00	NG	**
86	BENZYL CHLORIDE	26.35	1078061	1.418	50.00	NG	9.71
87	1,3-DICHLOROBENZENE	26.42	586575	0.771	50.00	NG	8.38

TO-14 RESULTS (PAGE 3 OF 3)

File	C:\HPCHEM\1\DATA\S102997\10299709.D
Operator	CJC
Date	29 Oct 97 2:40 pm
Sample	50 NG TO-14 STD (S10299701/S10299702)
Conditions	5989A/ENTECH 7000

CPD #	Compound	RRT(L)	Area	RRF	Amount	Units	PPB(V)
88	2-ETHYL-1-HEXANOL	26.54	458971	0.604	50.00	NG	9.41
89	1,4-DICHLOROBENZENE	26.55	665782	0.876	50.00	NG	8.38
90	d-LIMONENE	27.19	693178	0.912	50.00	NG	8.99
91	1,2-DICHLOROBENZENE	27.26	564904	0.743	50.00	NG	8.38
92	1-NONANOL	31.06	217843	0.286	50.00	NG	8.49
93	1,2-DIBROMO-3-CHLOROPROPA	28.17	230408	0.303	50.00	NG	5.23
94	NONANAL	28.43	235223	0.309	50.00	NG	8.61
95	n-UNDECANE	28.75	1510964	1.987	50.00	NG	7.34
96	n-DODECANE	31.06	1319721	1.736	50.00	NG	7.19
97	1,2,4-TRICHLOROBENZENE	30.94	323746	0.426	50.00	NG	6.79
98	NAPHTHALENE	31.21	1020541	1.342	50.00	NG	8.55
99	HEXACHLOROBUTADIENE	31.33	189330	0.249	50.00	NG	4.74

File : C:\HPCHEM\1\DATA\S102997\10299710.D
Operator : CJC
Acquired : 29 Oct 97 3:39 pm using AcqMethod FCTO14B
Instrument : 5989 - In
Sample Name: 20 NG TO-14 STD (S10299701/S10299702)
Misc Info :
Vial Number: 2



TO-14 RESULTS (PAGE 1 OF 3)

File	C:\HPCHEM\1\DATA\S102997\10299710.D
Operator	CJC
Date	29 Oct 97 3:39 pm
Sample	20 NG TO-14 STD (S10299701/S10299702)
Conditions	5989A/ENTECH 7000

CPD #	Compound	RRT(L)	Area	RRF	Amount	Units	PPB(V)
1	BROMOCHLOROMETHANE	11.37	150257	1.000	50.00	NG	**
2	PROPENE	3.99	409729	10.176	13.40	NG	7.30
3	DICHLORODIFLUOROMETHANE	4.14	409966	3.452	39.52	NG	8.05
4	CHLOROMETHANE	4.50	255897	5.014	16.98	NG	3.31
5	DICHLOROTETRAFLUOROETHA	4.71	513701	2.948	57.98	NG	8.34
6	VINYL CHLORIDE	4.99	274821	4.409	20.74	NG	8.18
7	1,3-BUTADIENE	5.28	282832	5.093	18.48	NG	8.37
8	BROMOMETHANE	5.83	182798	2.009	30.28	NG	7.38
9	CHLOROETHANE	6.16	185532	2.656	23.24	NG	8.38
10	ETHANOL	6.28	198730	3.032	21.31	NG	11.60
11	ACETONITRILE	6.73	533923	3.728	20.06	NG	12.14
12	ACROLEIN	6.98	151016	2.505	20.06	NG	8.76
13	ACETONE	7.19	170710	2.708	20.75	NG	8.75
14	PROPYLENE OXIDE	7.47	125777	1.835	21.53	NG	9.12
15	TRICHLOROFLUOROMETHANE	7.53	329428	2.049	46.67	NG	8.39
16	ISOPROPYL ALCOHOL	7.54	306058	3.560	20.91	NG	8.52
17	ACRYLONITRILE	7.86	240000	5.700	19.92	NG	9.19
18	tert-BUTANOL	8.54	402964	3.169	17.54	NG	5.33
19	1,1-DICHLOROETHENE	8.57	270440	4.711	19.10	NG	4.37
20	METHYLENE CHLORIDE	8.72	313748	5.039	20.72	NG	5.03
21	ALLYL CHLORIDE	8.92	110312	1.363	20.24	NG	5.51
22	TRICHLOROTRIFLUOROETHANE	9.12	484110	2.500	51.95	NG	8.15
23	CARBON DISULFIDE	9.30	382465	11.280	20.16	NG	6.49
24	trans-1,2-DICHLOROETHENE	10.14	232058	4.558	20.15	NG	5.13
25	1,1-DICHLOROETHANE	10.44	365019	5.703	21.30	NG	5.32
26	cis-1,2-DICHLOROETHENE	11.62	251381	4.011	20.22	NG	5.15
27	t-BUTYL METHYL ETHER	10.48	522064	3.580	20.01	NG	5.56
28	VINYL ACETATE	10.56	1000504	15.325	20.03	NG	5.70
29	2-BUTANONE	10.95	315716	13.564	19.37	NG	5.75
30	3-METHYL PENTANE	11.25	546630	9.127	19.93	NG	5.67
31	ETHYL ACETATE	11.81	375185	14.645	19.89	NG	5.53
32	n-HEXANE	11.99	430809	6.970	20.57	NG	5.85
33	CHLOROFORM	12.03	264960	4.236	20.81	NG	4.31
34	2-METHYL-1-PROPANOL	12.40	400981	6.622	20.15	NG	5.66
35	1,2-DICHLOROETHANE-D4	12.93	424310	2.755	51.25	NG	**
36	1,2-DICHLOROETHANE	13.08	229281	3.790	21.01	NG	5.24
37	1,4-DIFLUOROBENZENE	14.50	1022806	1.000	50.00	NG	**
38	1,1,1-TRICHLOROETHANE	13.46	132525	0.427	20.90	NG	3.87
39	1-BUTANOL	13.77	237187	0.547	21.70	NG	7.17
40	BENZENE	14.12	718898	1.759	19.98	NG	5.27
41	CARBON TETRACHLORIDE	14.33	144909	0.344	20.60	NG	3.31
42	VALERALDEHYDE (PENTANAL)	14.94	450636	1.125	19.58	NG	5.57
43	1,2-DICHLOROPROPANE	15.25	213270	0.506	20.64	NG	4.51
44	1,4-DIOXANE	15.49	132326	0.314	20.59	NG	5.72

File	C:\HPCHEM\1\DATA\S102997\10299710.D
Operator	CJC
Date	29 Oct 97 3:39 pm
Sample	20 NG TO-14 STD (S10299701/S10299702)
Conditions	5989A/ENTECH 7000

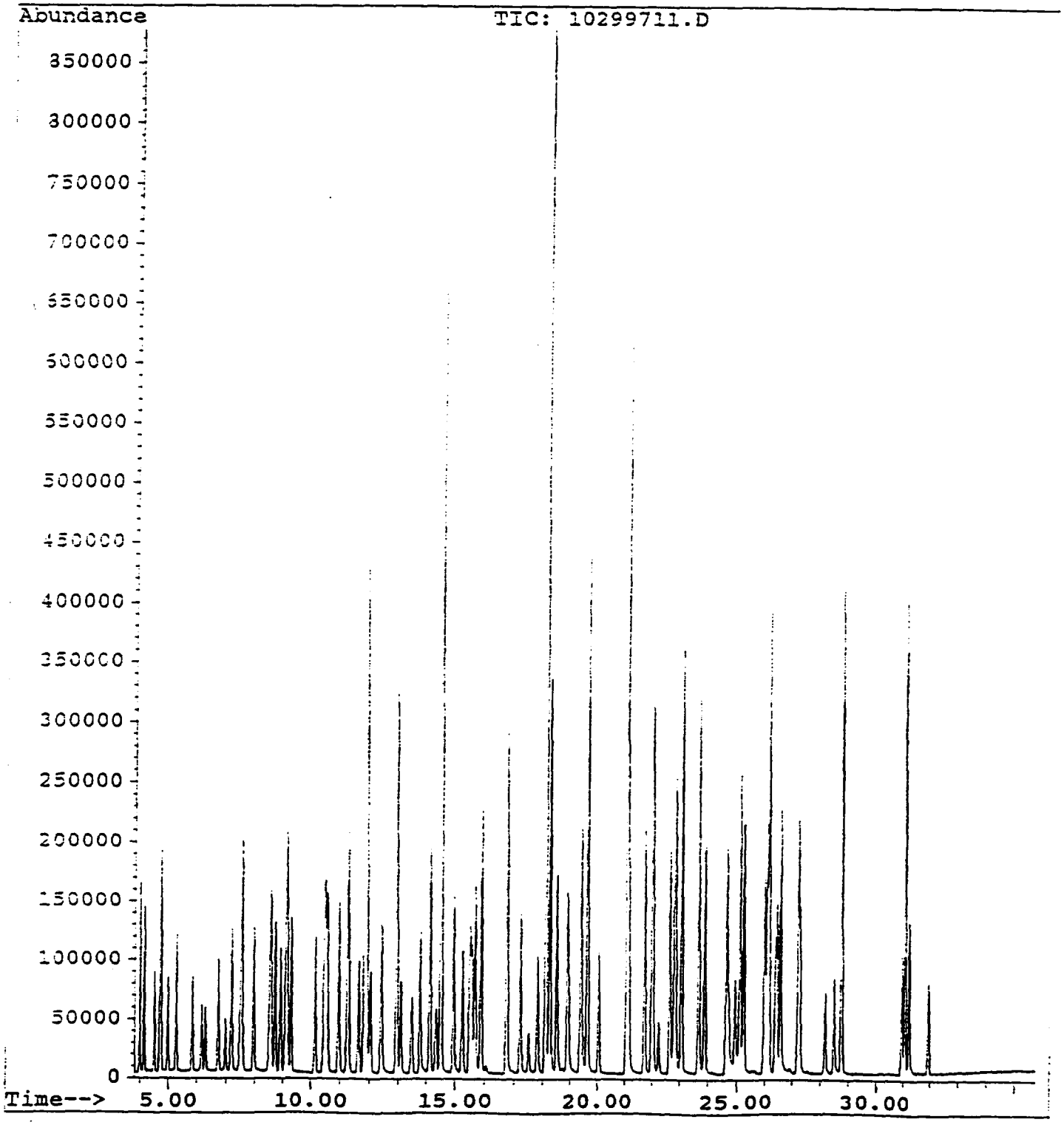
CPD #	Compound	RRT	Area	RRF	Amount	Units	
45	BROMODICHLOROMETHANE	15.50	197613	0.466	20.77	NG	3.14
46	TRICHLOROETHENE	15.56	142568	0.341	20.43	NG	3.84
47	EPICHLOROHYDRIN	15.65	33168	0.085	19.09	NG	5.08
48	METHYL METHACRYLATE	15.67	409731	1.017	19.70	NG	4.82
49	HEPTANE	15.37	557521	1.393	19.56	NG	4.79
50	cis-1,3-DICHLOROPROPENE	16.75	337047	0.877	29.36	NG	3.37
51	4-METHYL-2-PENTANONE	16.74	717230	1.758	19.95	NG	4.38
52	DIMETHYL DISULFIDE	17.21	303883	0.795	18.68	NG	4.36
53	trans-1,3-DICHLOROPROPENE	17.49	130079	0.340	9.93	NG	2.21
54	1,1,2-TRICHLOROETHANE	17.30	107453	0.308	19.39	NG	3.69
55	CHLOROBENZENE-D5	21.07	743073	1.000	50.00	NG	**
56	TOLUENE-D8	18.11	1138820	1.382	51.00	NG	**
57	1,3-DICHLOROPROPANE	18.25	336064	1.119	20.21	NG	4.41
58	TOLUENE	18.25	661324	2.208	20.17	NG	3.36
59	2-HEXANONE	18.50	571030	2.000	19.07	NG	4.74
60	HEXANAL	18.38	249930	0.374	19.25	NG	4.71
61	DIBROMOCHLOROMETHANE	18.93	108896	0.454	20.58	NG	2.44
62	BUTYL ACETATE	19.40	320686	2.935	18.32	NG	3.97
63	TETRAHYDROTHIOPHENE	19.52	275003	0.943	19.55	NG	5.46
64	OCTANE	19.53	840686	2.788	20.29	NG	4.35
65	1,2-DIBROMOETHANE	19.06	151722	0.506	20.29	NG	2.37
66	TETRACHLOROETHENE	20.04	116475	0.371	21.14	NG	3.15
67	CHLOROBENZENE	21.15	398888	1.051	19.37	NG	4.34
68	ETHYLBENZENE	21.72	224846	0.769	19.68	NG	4.54
69	m & p - XYLENES	22.00	525181	0.981	40.14	NG	9.26
70	BROMOFORM	22.24	100064	0.047	19.42	NG	1.90
71	STYRENE	22.54	402791	1.499	19.43	NG	4.37
72	2-BUTOXYETHANOL	23.06	577207	1.962	19.79	NG	4.10
73	1,1,2,2-TETRACHLOROETHANE	22.80	280441	0.925	20.41	NG	3.01
74	NONANE	23.06	773871	2.501	20.02	NG	3.83
75	o - XYLENE	22.85	275777	0.922	20.13	NG	4.65
76	CUMENE	23.88	617775	2.076	20.02	NG	4.08
77	1-HEPTANOL	24.70	108699	0.387	18.90	NG	3.39
78	4-ETHYLTOLUENE	25.10	738138	2.469	20.12	NG	4.10
79	a-PINENE	24.83	395249	1.257	19.60	NG	3.53
80	bis-(2-CHLOROETHYL) ETHER	24.92	222942	0.772	19.44	NG	3.35
81	1,3,5-TRIMETHYLBENZENE	25.23	544567	1.806	20.29	NG	4.14
82	n-DECANE	26.13	594446	2.291	20.40	NG	3.51
83	beta-PINENE	25.97	347121	1.156	20.21	NG	3.63
84	1,2,4-TRIMETHYLBENZENE	26.06	548627	1.778	20.76	NG	4.23
85	BROMOFLUOROBENZENE	23.67	178806	0.237	50.67	NG	**
86	BENZYL CHLORIDE	26.35	389270	1.418	18.47	NG	3.59
87	1,3-DICHLOROBENZENE	26.42	232709	0.771	20.30	NG	3.40

TO-14 RESULTS (PAGE 3 OF 3)

File	C:\HPCHEM\1\DATA\S102997\10299710.D
Operator	CJC
Date	29 Oct 97 3:39 pm
Sample	20 NG TO-14 STD (S10299701/S10299702)
Conditions	5989A/ENTECH 7000

CPD #	Compound	RRT(L)	Area	RRF	Amount	Units	PPB(V)
88	2-ETHYL-1-HEXANOL	26.54	163288	0.604	18.20	NG	3.42
89	1,4-DICHLOROBENZENE	26.55	270370	0.876	20.78	NG	3.48
90	d-LIMONENE	27.19	270254	0.912	19.95	NG	3.59
91	1,2-DICHLOROBENZENE	27.26	233094	0.743	21.11	NG	3.54
92	1-NONANOL	31.06	93279	0.286	21.91	NG	3.72
93	1,2-DIBROMO-3-CHLOROPROPA	28.17	96799	0.303	21.50	NG	2.25
94	NONANAL	28.49	34562	0.309	18.39	NG	3.17
95	n-UNDECANE	28.75	518315	1.987	20.94	NG	3.28
96	n-DODECANE	31.06	534073	1.736	20.71	NG	2.98
97	1,2,4-TRICHLOROBENZENE	30.34	132438	0.426	20.93	NG	2.34
98	NAPHTHALENE	31.21	418770	1.342	21.00	NG	4.01
99	HEXACHLOROBUTADIENE	31.33	79253	0.249	21.42	NG	2.03

File : C:\HPCHEM\1\DATA\S102997\10299711.D
Operator : CJC
Acquired : 29 Oct 97 4:39 pm using AcqMethod FCTO14B
Instrument : 5989 - In
Sample Name: 10 NG TO-14 STD (S10299701/S10299702)
Misc Info :
Vial Number: 2



TO-14 RESULTS (PAGE 1 OF 3)

File	C:\HPCHEM\1\DATA\S10299\10299711.D
Operator	CJC
Date	29 Oct 97 4:39 pm
Sample	10 NG TO-14 STD (S10299701/S10299702)
Conditions	5989A/ENTECH 7000

CPD #	Compound	RRT(L)	Area	RRF	Amount	Units	PPS(V)
1	BROMOCHLOROMETHANE	11.37	144317	1.000	50.00	NG	**
2	PROPENE	3.98	199432	10.176	6.79	NG	3.95
3	DICHLORODIFLUOROMETHANE	4.14	200874	3.452	20.16	NG	4.11
4	CHLOROMETHANE	4.50	130108	5.014	8.99	NG	4.40
5	DICHLOROTETRAFLUOROETHA	4.71	256554	2.948	30.15	NG	4.34
6	VINYL CHLORIDE	4.99	138913	4.409	10.91	NG	4.31
7	1,3-BUTADIENE	5.27	140188	5.093	9.54	NG	4.32
8	BROMOMETHANE	5.33	32660	2.009	15.98	NG	4.16
9	CHLOROETHANE	5.15	34080	2.356	12.31	NG	4.70
10	ETHANOL	5.28	100925	3.032	11.53	NG	6.13
11	ACETONITRILE	5.73	272566	3.729	10.32	NG	6.45
12	ACROLEIN	5.97	75483	2.505	10.44	NG	4.56
13	ACETONE	7.19	37041	2.728	11.06	NG	4.56
14	PROPYLENE OXIDE	7.47	53538	1.335	11.09	NG	4.30
15	TRICHLOROFLUOROMETHANE	7.53	163950	2.049	24.92	NG	4.48
16	ISOPROPYL ALCOHOL	7.54	206904	3.550	11.02	NG	4.49
17	ACRYLONITRILE	7.36	174420	5.700	10.55	NG	4.37
18	tert-BUTANOL	8.53	207031	3.169	10.05	NG	3.32
19	1,1-DICHLOROETHENE	8.56	145442	4.711	10.70	NG	2.70
20	METHYLENE CHLORIDE	8.72	162561	5.039	11.18	NG	3.25
21	ALLYL CHLORIDE	8.31	54831	1.363	10.20	NG	3.23
22	TRICHLOROTRIFLUOROETHANE	9.12	240037	2.300	31.38	NG	4.21
23	CARBON DISULFIDE	9.30	307433	11.280	10.06	NG	3.34
24	trans-1,2-DICHLOROETHENE	10.14	141251	4.558	10.31	NG	2.68
25	1,1-DICHLOROETHANE	10.44	181304	5.703	11.02	NG	2.75
26	cis-1,2-DICHLOROETHENE	11.62	100270	4.311	10.47	NG	2.67
27	t-BUTYL METHYL ETHER	10.49	255321	3.880	10.19	NG	2.33
28	VINYL ACETATE	10.55	430017	15.625	10.07	NG	2.36
29	2-BUTANONE	10.95	401564	13.364	10.18	NG	3.46
30	3-METHYL PENTANE	11.25	261030	3.127	9.92	NG	2.32
31	ETHYL ACETATE	11.81	421337	14.645	9.97	NG	2.77
32	n-HEXANE	11.39	208710	5.970	10.37	NG	2.35
33	CHLOROFORM	12.02	104155	4.236	10.97	NG	2.27
34	2-METHYL-1-PROPANOL	12.40	190929	5.622	9.99	NG	3.30
35	1,2-DICHLOROETHANE-D4	12.93	431899	2.755	54.32	NG	**
36	1,2-DICHLOROETHANE	13.09	123105	3.790	11.25	NG	2.31
37	1,4-DIFLUOROBENZENE	14.50	991812	1.000	50.00	NG	**
38	1,1,1-TRICHLOROETHANE	13.47	38642	0.427	10.47	NG	1.34
39	1-BUTANOL	13.77	127529	0.847	9.94	NG	3.28
40	BENZENE	14.12	355797	1.759	10.20	NG	3.20
41	CARBON TETRACHLORIDE	14.33	72767	0.344	10.67	NG	1.72
42	VALERALDEHYDE (PENTANAL)	14.93	217551	1.125	9.75	NG	2.77
43	1,2-DICHLOROPROPANE	15.25	105137	0.505	10.49	NG	2.29
44	1,4-DIOXANE	15.49	81958	0.314	9.94	NG	2.76

TO-14 RESULTS (Page 2 of 3)

File	C:\HPCHEM\1\DATA\S10299\10299711.D
Operator	CJC
Date	29 Oct 97 4:39 pm
Sample	10 NG TO-14 STD (S10299701/S10299702)
Conditions	5989A/ENTECH 7000

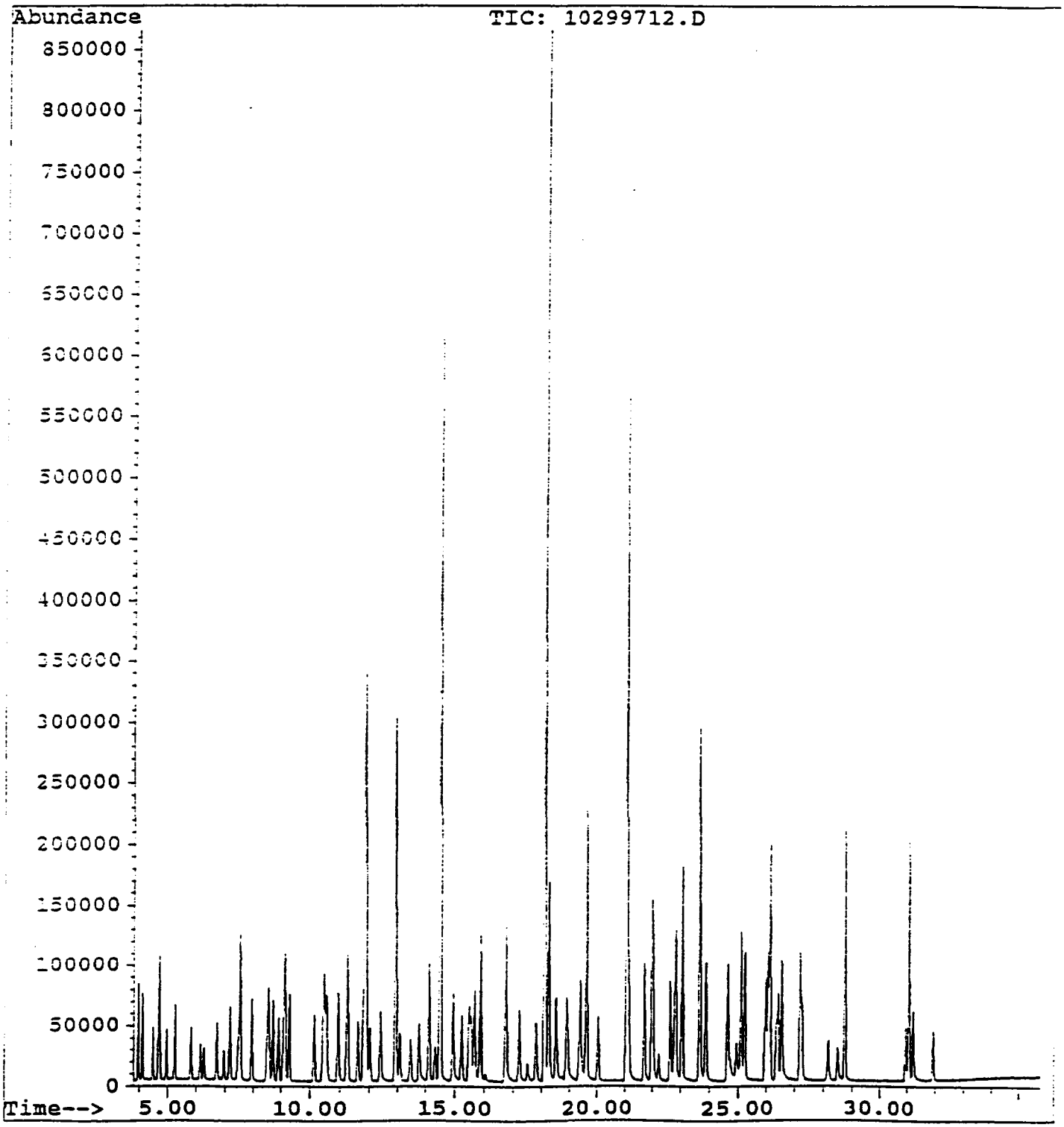
CPD #	Compound	RRT	Area	RRF	Amount	Units	
45	BROMODICHLOROMETHANE	15.50	101197	0.465	10.97	NG	1.66
46	TRICHLOROETHENE	15.56	59734	0.341	10.00	NG	1.94
47	EPICHLOROHYDRIN	15.66	17815	0.085	10.57	NG	2.81
48	METHYL METHACRYLATE	15.88	197768	1.017	9.31	NG	2.40
49	HEPTANE	15.88	272408	1.393	9.36	NG	2.41
50	cis-1,3-DICHLOROPROPENE	16.75	195359	0.377	14.54	NG	3.23
51	4-METHYL-2-PENTANONE	16.74	344638	1.758	9.38	NG	2.42
52	DIMETHYL DISULFIDE	17.21	106783	0.795	3.57	NG	2.26
53	trans-1,3-DICHLOROPROPENE	17.49	58241	0.540	4.39	NG	1.02
54	1,1,2-TRICHLOROETHANE	17.30	38010	0.338	10.19	NG	1.39
55	CHLOROBENZENE-D5	21.07	700231	1.000	50.00	NG	**
56	TOLUENE-D8	13.10	1159255	1.382	49.37	NG	**
57	1,3-DICHLOROPROPANE	18.26	167440	1.119	10.21	NG	2.23
58	TOLUENE	18.25	317726	2.208	3.31	NG	2.61
59	2-HEXANONE	18.51	320000	2.330	3.06	NG	2.29
60	HEXANAL	18.38	116883	0.374	3.12	NG	2.23
61	DIBROMOCHLOROMETHANE	18.93	87735	0.454	10.17	NG	1.21
62	BUTYL ACETATE	19.40	373631	2.335	3.30	NG	1.36
63	TETRAHYDROTHIOPHENE	19.62	128715	0.943	3.31	NG	2.59
64	OCTANE	19.63	410374	2.788	10.04	NG	2.15
65	1,2-DIBROMOETHANE	19.06	74611	0.306	10.05	NG	1.32
66	TETRACHLOROETHENE	20.04	55110	0.371	10.13	NG	1.51
67	CHLOROBENZENE	21.15	194973	1.351	9.84	NG	2.15
68	ETHYLBENZENE	21.71	108319	0.769	9.61	NG	2.22
69	m & p - XYLENES	22.02	293635	0.981	19.72	NG	4.55
70	BROMOFORM	22.25	49219	0.347	9.68	NG	0.95
71	STYRENE	22.64	200924	1.499	9.14	NG	2.15
72	2-BUTOXYETHANOL	23.06	297224	1.962	9.98	NG	2.07
73	1,1,2,2-TETRACHLOROETHANE	22.80	144058	0.925	10.62	NG	1.57
74	NONANE	23.07	378680	2.601	3.93	NG	1.90
75	o - XYLENE	22.84	135963	0.922	10.06	NG	2.32
76	CUMENE	23.88	300117	2.076	9.86	NG	2.01
77	1-HEPTANOL	24.71	40117	0.387	7.07	NG	1.49
78	4-ETHYLTOLUENE	25.10	357349	2.469	9.87	NG	2.01
79	a-PINENE	24.63	191749	1.357	9.64	NG	1.73
80	bis-(2-CHLOROETHYL) ETHER	24.94	101411	0.772	9.96	NG	1.54
81	1,3,5-TRIMETHYLBENZENE	25.24	271002	1.906	10.23	NG	2.09
82	n-DECANE	26.14	347175	2.291	10.33	NG	1.78
83	beta-PINENE	25.96	160952	1.156	9.49	NG	1.71
84	1,2,4-TRIMETHYLBENZENE	26.06	265733	1.778	10.19	NG	2.08
85	BROMOFLUOROBENZENE	23.67	176230	0.237	50.61	NG	**
86	BENZYL CHLORIDE	26.36	181983	1.418	8.76	NG	1.70
87	1,3-DICHLOROBENZENE	26.43	117053	0.771	10.35	NG	1.73

TO-14 RESULTS (PAGE 3 OF 3)

File	C:\HPCHEM\1\DATA\S102997\10299711.D
Operator	CJC
Date	29 Oct 97 4:39 pm
Sample	10 NG TO-14 STD (S10299701/S10299702)
Conditions	5989A/ENTECH 7000

CPD #	Compound	RRT(L)	Area	RRF	Amount	Units	PPB(V)
88	2-ETHYL-1-HEXANOL	26.55	67516	0.604	7.63	NG	1.44
89	1,4-DICHLOROBENZENE	26.55	135098	0.876	10.52	NG	1.76
90	d-LIMONENE	27.19	132182	0.912	9.89	NG	1.78
91	1,2-DICHLOROBENZENE	27.26	119704	0.743	10.99	NG	1.84
92	1-NONANOL	31.05	51078	0.286	12.16	NG	2.07
93	1,2-DIBROMO-3-CHLOROPROPA	28.17	47219	0.303	10.63	NG	1.11
94	NONANAL	29.49	37235	0.309	3.21	NG	1.41
95	n-UNDECANE	28.75	308001	1.987	10.57	NG	1.66
96	n-DODECANE	31.05	278762	1.736	10.95	NG	1.58
97	1,2,4-TRICHLOROBENZENE	30.94	67626	0.425	10.33	NG	1.47
98	NAPHTHALENE	31.21	210365	1.342	10.59	NG	2.04
99	HEXACHLOROBUTADIENE	31.33	39871	0.249	10.32	NG	1.04

File : C:\HPCHEM\1\DATA\S102997\10299712.D
Operator : CJC
Acquired : 29 Oct 97 5:38 pm using AcqMethod FCTO14B
Instrument : 5989 - In
Sample Name: 5 NG TO-14 STD (S10299701/S10299702)
Misc Info :
Vial Number: 2



File	C:\HPCHEM\1\DATA\S10299\10299712.D
Operator	CJC
Date	29 Oct 97 5:38 pm
Sample	5 NG TO-14 STD (S10299701/S10299702)
Conditions	5989A/ENTECH 7000

CPD #	Compound	RRT(L)	Area	RRF	Amount	Units	PPB(V)
1	BROMOCHLOROMETHANE	11.86	138077	1.000	50.00	NG	**
2	PROPENE	3.96	103313	10.176	3.68	NG	2.14
3	DICHLORODIFLUOROMETHANE	4.11	103291	3.452	10.33	NG	2.21
4	CHLOROMETHANE	4.47	39228	5.014	5.00	NG	2.45
5	DICHLOROTETRAFLUOROETHA	4.59	137674	2.948	16.91	NG	2.43
6	VINYL CHLORIDE	4.97	71301	4.409	5.36	NG	2.31
7	1,3-BUTADIENE	5.25	74468	5.093	5.29	NG	2.40
8	BROMOMETHANE	5.91	48874	2.009	3.31	NG	2.29
9	CHLOROETHANE	6.14	49395	2.656	6.73	NG	2.57
10	ETHANOL	6.26	49803	3.032	5.35	NG	3.16
11	ACETONITRILE	6.71	140158	8.728	5.31	NG	3.47
12	ACROLEIN	6.96	39054	2.505	5.59	NG	2.49
13	ACETONE	7.18	46024	2.708	5.09	NG	2.57
14	PROPYLENE OXIDE	7.45	33557	1.335	5.23	NG	2.55
15	TRICHLOROFLUOROMETHANE	7.52	108161	2.949	16.67	NG	3.00
16	ISOPROPYL ALCOHOL	7.53	166864	9.650	8.26	NG	2.55
17	ACRYLONITRILE	7.35	39279	5.730	6.27	NG	2.90
18	tert-BUTANOL	8.53	117038	8.159	5.20	NG	1.72
19	1,1-DICHLOROETHENE	8.56	74025	4.711	5.71	NG	1.46
20	METHYLENE CHLORIDE	8.71	38474	5.039	5.36	NG	1.35
21	ALLYL CHLORIDE	8.90	26082	1.363	5.13	NG	1.55
22	TRICHLOROTRIFLUOROETHANE	9.12	124639	2.500	17.06	NG	2.23
23	CARBON DISULFIDE	9.20	177524	11.230	5.70	NG	1.83
24	trans-1,2-DICHLOROETHENE	10.14	58600	4.558	5.41	NG	1.53
25	1,1-DICHLOROETHANE	10.44	92525	5.703	5.38	NG	1.47
26	cis-1,2-DICHLOROETHENE	11.52	54995	4.311	5.46	NG	1.39
27	t-BUTYL METHYL ETHER	10.48	127513	8.580	5.32	NG	1.48
28	VINYL ACETATE	10.55	226577	15.325	5.15	NG	1.47
29	2-BUTANONE	10.34	198169	13.664	5.25	NG	1.78
30	3-METHYL PENTANE	11.25	129250	8.127	5.13	NG	1.46
31	ETHYL ACETATE	11.30	213846	14.645	5.29	NG	1.47
32	n-HEXANE	11.38	104658	6.970	5.44	NG	1.55
33	CHLOROFORM	12.01	67993	4.236	5.81	NG	1.20
34	2-METHYL-1-PROPANOL	12.40	39542	8.622	4.90	NG	1.52
35	1,2-DICHLOROETHANE-D4	12.92	421252	2.755	55.37	NG	**
36	1,2-DICHLOROETHANE	13.08	54527	3.790	8.17	NG	1.54
37	1,4-DIFLUOROBENZENE	14.49	367841	1.000	50.00	NG	**
38	1,1,1-TRICHLOROETHANE	13.46	46950	0.427	5.68	NG	1.05
39	1-BUTANOL	13.77	55358	0.647	4.42	NG	1.46
40	BENZENE	14.12	178510	1.759	5.24	NG	1.64
41	CARBON TETRACHLORIDE	14.33	37332	0.344	5.61	NG	0.90
42	VALERALDEHYDE (PENTANAL)	14.94	102074	1.125	4.69	NG	1.33
43	1,2-DICHLOROPROPANE	15.25	53560	0.505	5.48	NG	1.20
44	1,4-DIOXANE	15.49	29732	0.314	4.89	NG	1.36

File	C:\HPCHEM\1\DATA\S102997\10299712.D
Operator	CJC
Date	29 Oct 97 5:38 pm
Sample	5 NG TO-14 STD (S10299701/S10299702)
Conditions	5989A/ENTECH 7000

CPO

#	Compound	RRT	Area	RRF	Amount	Units	
45	BROMODICHLOROMETHANE	15.50	51287	0.465	5.70	NG	0.36
46	TRICHLOROETHENE	15.56	34111	0.341	5.16	NG	0.97
47	EPICHLOROHYDRIN	15.57	3152	0.085	4.96	NG	1.32
48	METHYL METHACRYLATE	15.87	92383	1.017	4.70	NG	1.15
49	HEPTANE	15.37	133823	1.393	4.96	NG	1.21
50	cis-1,3-DICHLOROPROPENE	16.76	31597	0.377	5.39	NG	1.55
51	4-METHYL-2-PENTANONE	16.73	166805	1.758	4.90	NG	1.20
52	DIMETHYL DISULFIDE	17.21	51235	0.795	3.38	NG	1.04
53	trans-1,3-DICHLOROPROPENE	17.50	27081	0.340	2.13	NG	0.49
54	1,1,2-TRICHLOROETHANE	17.79	33989	0.338	5.20	NG	0.36
55	CHLOROBENZENE-D5	21.07	591546	1.000	50.00	NG	**
56	TOLUENE-D8	18.10	1116236	1.382	51.02	NG	**
57	1,3-DICHLOROPROPANE	18.26	36357	1.119	5.38	NG	1.22
58	TOLUENE	18.26	158736	2.208	5.13	NG	1.36
59	2-HEXANONE	18.51	142062	2.330	4.41	NG	1.08
60	HEXANAL	18.38	53127	0.374	4.40	NG	1.08
61	DIBROMOCHLOROMETHANE	18.33	34665	0.454	5.52	NG	0.66
62	BUTYL ACETATE	19.40	166368	2.335	4.10	NG	0.36
63	TETRAHYDROTHIOPHENE	19.61	51920	0.343	4.75	NG	1.32
64	OCTANE	19.62	210090	2.738	5.45	NG	1.17
65	1,2-DIBROMOETHANE	19.25	33273	0.506	5.13	NG	0.63
66	TETRACHLOROETHENE	20.04	27105	0.371	5.29	NG	0.79
67	CHLOROBENZENE	21.14	95921	1.051	5.13	NG	1.12
68	ETHYLBENZENE	21.72	50089	0.769	4.71	NG	1.09
69	m & p - XYLENES	22.00	137975	0.981	10.17	NG	2.35
70	BROMOFORM	22.25	24250	0.347	5.06	NG	0.49
71	STYRENE	22.64	39546	1.499	4.32	NG	1.02
72	2-BUTOXYETHANOL	23.07	142580	1.962	5.25	NG	1.09
73	1,1,2,2-TETRACHLOROETHANE	22.90	70682	0.925	5.53	NG	0.31
74	NONANE	23.06	193249	2.601	5.37	NG	1.03
75	o - XYLENE	22.95	66308	0.922	5.20	NG	1.20
76	CUMENE	23.38	141597	2.076	4.93	NG	1.01
77	1-HEPTANOL	24.72	10529	0.387	2.53	NG	0.53
78	4-ETHYLTOLUENE	25.10	170425	2.469	4.99	NG	1.02
79	a-PINENE	24.62	38379	1.357	4.71	NG	0.85
80	bis-(2-CHLOROETHYL) ETHER	24.93	46420	0.772	4.35	NG	0.75
81	1,3,5-TRIMETHYLBENZENE	25.24	130895	1.806	5.24	NG	1.07
82	n-DECANE	26.13	174556	2.291	5.51	NG	0.35
83	beta-PINENE	25.97	78044	1.156	4.88	NG	0.88
84	1,2,4-TRIMETHYLBENZENE	26.05	135738	1.778	5.52	NG	1.13
85	BROMOFLUOROBENZENE	23.67	163465	0.237	49.77	NG	**
86	BENZYL CHLORIDE	26.35	83398	1.418	4.25	NG	0.83
87	1,3-DICHLOROBENZENE	26.41	57641	0.771	5.40	NG	0.91

TO-14 RESULTS (PAGE 3 OF 3)

File	C:\HPCHEM\1\DATA\S102997\10299712.D
Operator	CJC
Date	29 Oct 97 5:38 pm
Sample	5 NG TO-14 STD (S10299701/S10299702)
Conditions	5989A/ENTECH 7000

CPD #	Compound	RRT(L)	Area	RRF	Amount	Units	PPB(V)
88	2-ETHYL-1-HEXANOL	26.55	26825	0.604	3.21	NG	0.60
89	1,4-DICHLOROBENZENE	26.55	67228	0.876	5.55	NG	0.93
90	d-LIMONENE	27.19	62115	0.912	4.93	NG	0.89
91	1,2-DICHLOROBENZENE	27.26	58981	0.743	5.74	NG	0.96
92	1-NONANOL	31.06	25994	0.286	6.56	NG	1.11
93	1,2-DIBROMO-3-CHLOROPROPA	28.18	22152	0.303	5.29	NG	0.55
94	NONANAL	28.51	14071	0.309	3.29	NG	0.57
95	n-UNDECANE	28.75	152822	1.987	5.56	NG	0.87
96	n-DODECANE	31.06	139574	1.736	5.31	NG	0.84
97	1,2,4-TRICHLOROBENZENE	30.95	29539	0.425	5.02	NG	0.68
98	NAPHTHALENE	31.21	96842	1.342	5.22	NG	1.00
99	HEXACHLOROBUTADIENE	31.33	21335	0.249	5.20	NG	0.53

CONTINUING CALIBRATION STANDARDS

TO-14 INITIAL/CONTINUING CALIBRATION RESULTS

FULLICR.XLS

Cont. Cal. Date: 30 Oct 97 7:55 am
Cont. Cal. File: C:\HPCHEM\1\DATA\S103097\10309702.D
Operator: CJC
Date: 30 Oct 97 7:55 am
Sample: 50 NG TO-14 STD (S10299701/S010299702)
Inst. ID: HP 5989A/ENTECH 7000

NG	Filename
50	10299709.D
5	10299712.D
10	10299711.D
20	10299710.D
75	10299708.D
100	10299707.D

CPO #	Compound	Initial Calibration 5	10	20	50	75	100	AVE RR	SD	%RSD	Continuing Calibration CC AREA	CC RRF	D	%D
1	BROMOCHLOROMETHANE	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.00	148678	1.000	0.000	*
2	PROPENE	11.101	10.252	10.114	10.176	9.866	10.189	10.283	0.423	4.11	1000714	9.986	-0.297	-2.
3	DICHLORODIFLUOROMETHANE	3.313	3.547	3.477	3.452	3.508	3.580	3.563	0.131	3.67	1294576	4.404	0.841	23.
4	CHLOROMETHANE	5.969	5.066	5.069	5.014	4.774	5.013	5.201	0.421	8.10	872914	5.387	0.186	3.5
5	DICHLOROTETRAFLUOROETHA	3.551	3.165	3.044	2.948	2.756	2.855	3.053	0.293	9.25	1095006	3.341	0.288	9.-
6	VINYL CHLORIDE	5.164	4.313	4.573	4.409	4.190	4.442	4.598	0.344	7.48	725411	4.379	0.281	6.7
7	1,3-BUTADIENE	5.875	5.291	5.126	5.093	4.859	5.047	5.215	0.352	6.75	752629	5.514	0.299	5.7
8	BROMOMETHANE	2.424	2.199	2.083	2.009	1.904	1.977	2.099	0.188	8.97	506077	2.331	0.232	11.
9	CHLOROETHANE	3.252	2.973	2.806	2.658	2.533	2.586	2.801	0.273	9.74	471098	2.381	0.079	2.9
10	ETHANOL	3.607	3.497	3.307	3.032	2.795	2.745	3.164	0.362	11.44	483414	3.251	0.088	2.7
11	ACETONITRILE	10.151	9.443	9.384	9.723	9.094	9.503	9.313	0.865	7.03	1024442	9.908	-0.110	-1.
12	ACROLEIN	2.350	2.815	2.513	2.505	2.376	2.431	2.548	0.169	6.62	381171	2.564	0.016	0.6
13	ACETONE	3.033	3.026	2.840	2.709	2.667	2.657	2.877	0.262	9.11	429657	2.890	0.013	0.-
14	PROPYLENE OXIDE	2.400	2.203	2.093	1.935	1.867	1.857	2.064	0.225	10.88	322105	2.167	0.102	4.9
15	TRICHLOROFLUOROMETHANE	2.561	2.561	2.491	2.249	2.246	2.295	2.601	0.494	18.99	340131	2.374	0.274	10.3
16	ISOPROPYL ALCOHOL	12.085	10.633	10.089	9.650	9.326	9.513	9.980	1.290	12.85	1499423	10.085	0.102	1.0
17	ACRYLONITRILE	7.190	6.043	5.707	5.730	5.519	5.849	6.006	0.605	10.08	948655	6.081	0.074	8.2
18	tert-BUTANOL	8.498	8.212	7.204	8.169	7.259	8.882	7.704	0.868	8.67	1156679	7.947	0.140	1.8
19	1,1-DICHLOROETHENE	5.083	5.009	4.600	4.711	4.475	4.489	4.766	0.372	7.80	700453	4.913	0.147	3.0
20	METHYLENE CHLORIDE	6.408	5.832	5.220	5.039	4.838	4.887	5.037	0.598	11.20	770536	5.193	-0.155	-2.9
21	ALLYL CHLORIDE	1.311	1.300	1.385	1.363	1.792	1.313	1.361	0.048	2.59	277016	1.363	0.003	0.1
22	TRICHLOROTRIFLUOROETHANE	2.389	2.754	2.367	2.500	2.494	2.457	2.560	0.195	7.62	1200841	2.881	0.321	0.7
23	CARBON DISULFIDE	12.357	11.391	11.372	11.280	10.396	11.277	11.562	0.380	3.31	1690879	11.293	-0.169	-1.
24	trans-1,2-DICHLOROETHENE	5.041	4.394	4.693	4.658	4.511	4.515	4.719	0.211	4.48	705979	4.748	0.030	0.6
25	1,1-DICHLOROETHANE	5.708	5.281	5.073	5.703	5.481	5.540	5.365	0.479	8.93	959748	5.793	-0.182	-3.0
26	cis-1,2-DICHLOROETHENE	4.707	4.513	4.057	4.311	4.108	4.157	4.264	0.219	4.99	547552	4.255	-0.008	-0.1
27	t-BUTYL METHYL ETHER	3.205	3.846	3.686	3.680	3.603	3.601	3.775	0.242	6.76	1295308	3.712	-0.063	-0.7
28	VINYL ACETATE	17.104	16.705	16.647	15.325	16.261	16.267	16.311	0.626	1.96	2425117	16.011	-0.300	-1.8
29	2-BUTANONE	14.252	13.313	13.572	13.564	13.255	13.000	13.676	0.410	3.00	1985714	13.056	-0.620	-2.0
30	3-METHYL PENTANE	9.061	9.058	9.095	9.127	8.304	8.980	9.071	0.183	2.02	1334651	8.977	-0.094	-1.0
31	ETHYL ACETATE	15.487	14.598	14.561	14.545	13.307	14.424	14.504	0.510	3.49	2085369	14.026	-0.578	-3.8
32	n-HEXANE	7.580	7.231	7.168	6.970	6.828	6.871	7.108	0.281	3.95	1037667	6.979	-0.129	-1.8
33	CHLOROFORM	4.924	4.548	4.408	4.206	4.003	4.020	4.373	0.364	8.31	656785	4.417	0.044	1.0
34	2-METHYL-1-PROPANOL	6.485	6.616	6.672	6.622	5.473	6.030	6.150	0.592	11.24	315656	5.165	0.005	0.0
35	1,2-DICHLOROETHANE-D4	2.051	2.393	2.324	2.755	2.610	2.541	2.312	0.191	8.42	429906	2.385	0.072	**
36	1,2-DICHLOROETHANE	4.573	4.255	3.381	3.790	3.503	3.604	3.391	0.414	10.28	602539	4.053	0.061	1.5
37	1,4-DIFLUOROBENZENE	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.00	960103	1.000	0.000	0.00
38	1,1,1-TRICHLOROETHANE	0.485	0.447	0.446	0.427	0.424	0.433	0.444	0.023	5.08	462813	0.482	0.038	8.67
39	1-BUTANOL	0.572	0.543	0.702	0.547	0.443	0.373	0.563	0.129	22.89	561727	0.585	0.022	3.95
40	BENZENE	1.344	1.794	1.757	1.759	1.788	1.358	1.800	0.043	2.37	1776443	1.850	0.050	2.79
41	CARBON TETRACHLORIDE	0.386	0.367	0.354	0.344	0.343	0.355	0.358	0.016	4.48	381938	0.398	0.040	11.09
42	VALERALDEHYDE (PENTANAL)	1.055	1.097	1.101	1.125	1.149	1.178	1.118	0.043	3.87	1108311	1.154	0.037	3.23
43	1,2-DICHLOROPROPANE	0.553	0.500	0.521	0.505	0.506	0.511	0.521	0.019	3.53	504929	0.526	0.005	0.90
44	1,4-DIOXANE	0.307	0.312	0.323	0.314	0.304	0.301	0.310	0.008	2.83	316838	0.330	0.020	6.04
45	BROMODICHLOROMETHANE	0.530	0.510	0.483	0.465	0.460	0.467	0.486	0.028	5.83	498099	0.519	0.033	6.79
46	TRICHLOROETHENE	0.352	0.352	0.348	0.341	0.338	0.345	0.346	0.006	1.64	342425	0.357	0.010	2.91
47	EPICHLOROHYDRIN	0.084	0.090	0.081	0.085	0.082	0.086	0.085	0.003	3.71	31726	0.085	0.001	0.68
48	METHYL METHACRYLATE	0.955	0.997	1.001	1.017	1.013	1.049	1.005	0.031	3.08	1000511	1.042	0.037	3.56
49	HEPTANE	1.383	1.373	1.363	1.393	1.395	1.436	1.390	0.025	1.82	1339479	1.395	0.005	0.33
50	cis-1,3-DICHLOROPROPENE	0.657	0.584	0.674	0.677	0.674	0.690	0.676	0.011	1.64	392227	0.718	0.042	6.16
51	4-METHYL-2-PENTANONE	1.723	1.737	1.753	1.758	1.762	1.817	1.758	0.032	1.81	1737293	1.809	0.051	2.91
52	DIMETHYL DISULFIDE	0.633	0.690	0.743	0.795	0.805	0.844	0.752	0.079	10.54	727499	0.758	0.006	0.82
53	trans-1,3-DICHLOROPROPENE	0.538	0.565	0.611	0.640	0.631	0.670	0.609	0.049	8.10	336887	0.675	0.066	10.75
54	1,1,2-TRICHLOROETHANE	0.351	0.344	0.336	0.338	0.338	0.347	0.342	0.006	1.77	344680	0.359	0.017	4.85
55	CHLOROBENZENE-D5	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.00	640945	1.000	0.000	**
56	TOLUENE-D8	1.614	1.581	1.613	1.582	1.623	1.618	1.605	0.019	1.16	1102853	1.721	0.116	**
57	1,2-DICHLOROPROPANE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							

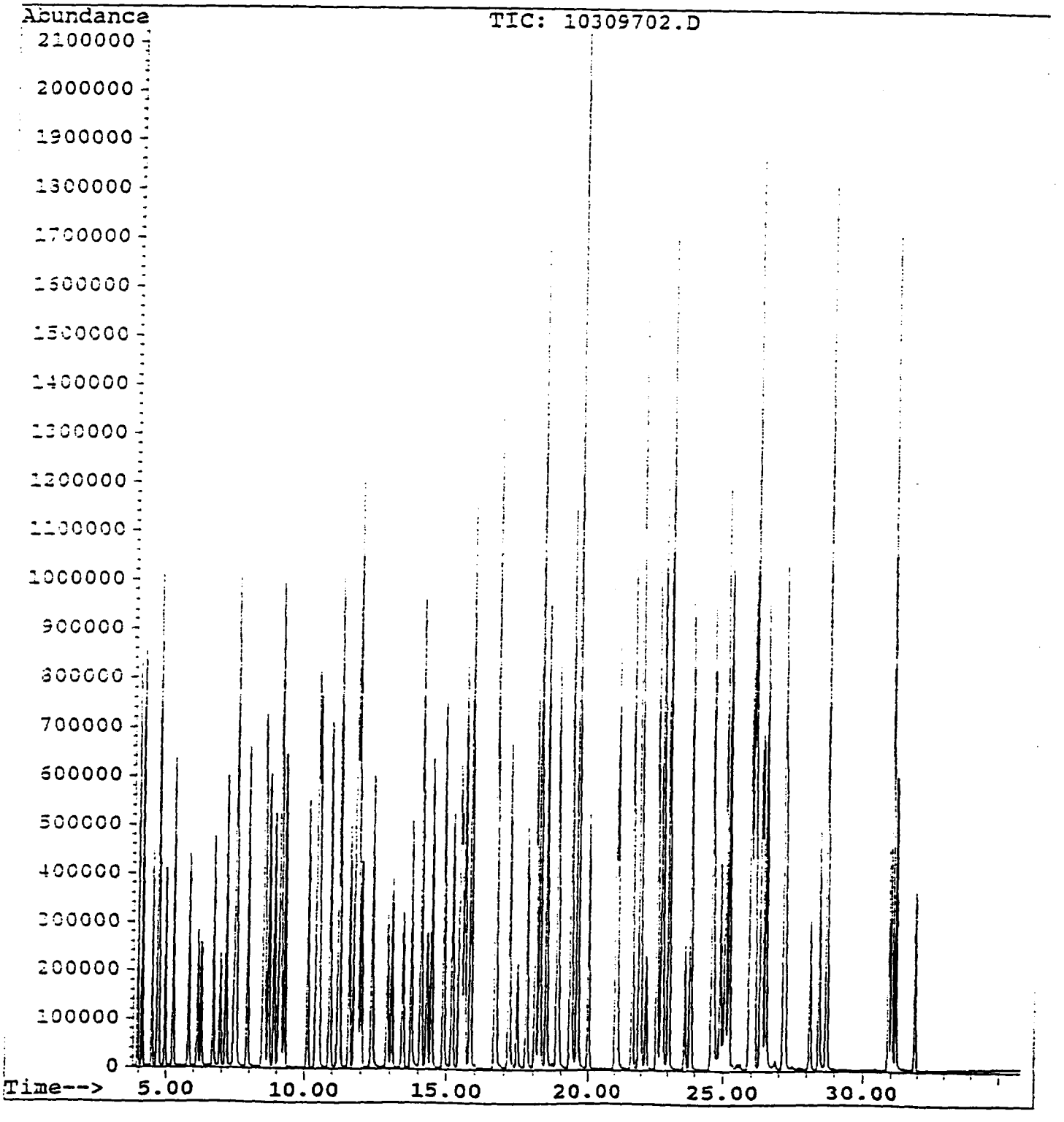
TO-14 INITIAL/CONTINUING CALIBRATION RESULTS

Cont. Cal. Date: 30 Oct 97 7:55 am
Cont. Cal. File: C:\HPCHEM\1\DATA\S103097\10309702.D
Operator: CJC
Date: 30 Oct 97 7:55 am
Sample: 50 NG TO-14 STD (S10299701/S010299702)
Inst. ID: HP 5989A/ENTECH 7000

NG	Filename
50	10299709.D
5	10299712.D
10	10299711.D
20	10299710.D
75	10299708.D
100	10299707.D

CPD #	Compound	Initial Calibration 5	10	20	50	75	100	AVE RR	SD	%RSD	Continuing Calibration CC AREA	CC RRF	D	%r
58	TOLUENE	2.266	2.187	2.227	2.208	2.241	2.278	2.231	0.041	1.83	1599985	2.496	0.265	11
59	2-HEXANONE	2.054	2.182	2.258	2.330	2.378	2.471	2.279	0.148	6.49	1684167	2.628	0.249	15
60	HEXANAL	0.768	0.797	0.841	0.874	0.868	0.899	0.841	0.050	5.92	517904	0.864	0.123	14
61	DIBROMOCHLOROMETHANE	0.501	0.462	0.467	0.464	0.460	0.463	0.467	0.013	2.82	344133	0.537	0.070	13.
62	BUTYL ACETATE	2.406	2.582	2.781	2.935	2.916	3.033	2.772	0.209	8.82	2099489	3.276	0.503	18.
63	TETRAHYDROTHIOPHENE	0.895	0.878	0.926	0.943	0.950	0.959	0.925	0.032	3.48	574669	1.053	0.127	10.
64	OCTANE	2.038	2.798	2.828	2.788	2.799	2.823	2.844	0.097	3.09	2023965	3.158	0.314	11
65	1,2-DIBROMOETHANE	0.525	0.509	0.514	0.506	0.512	0.523	0.515	0.007	1.44	379386	0.592	0.077	14.
66	TETRACHLOROETHENE	0.092	0.076	0.092	0.077	0.079	0.082	0.082	0.009	2.25	230775	0.408	0.056	1
67	CHLOROBENZENE	1.087	1.000	1.042	1.051	1.045	1.075	1.055	0.022	1.60	969428	1.512	0.158	1
68	ETHYLBENZENE	0.724	0.739	0.756	0.769	0.771	0.792	0.758	0.024	3.13	560724	0.875	0.116	15.
69	m & p - XYLENES	0.398	0.367	0.384	0.381	0.392	1.017	0.390	0.017	1.70	1464410	1.142	0.153	15.
70	BROMOFORM	0.251	0.236	0.237	0.247	0.246	0.251	0.244	0.007	1.98	252284	0.394	0.049	14.
71	STYRENE	1.295	1.070	1.456	1.499	1.531	1.565	1.456	0.107	7.36	1090260	1.701	0.245	18.
72	2-BUTOXYETHANOL	2.062	1.959	1.942	1.962	1.956	2.000	1.980	0.044	2.25	1400470	2.185	0.205	10.
73	1,1,2,2-TETRACHLOROETHANE	1.022	0.982	0.944	0.925	0.932	0.944	0.958	0.037	3.87	376481	1.055	0.097	10.
74	NONANE	2.794	2.582	2.604	2.601	2.625	2.588	2.649	0.080	3.02	1855154	2.994	0.245	8.
75	o - XYLENE	0.959	0.927	0.929	0.922	0.923	0.936	0.932	0.014	1.48	576720	1.056	0.123	10.
76	CUMENE	2.048	2.047	2.078	2.076	2.102	2.148	2.083	0.038	1.83	1514160	2.062	0.279	13.
77	1-HEPTANOL	0.196	0.274	0.266	0.287	0.168	0.140	0.255	0.104	40.88	141674	0.221	-0.004	-10
78	4-ETHYLTOLUENE	2.464	2.407	2.480	2.469	2.502	2.542	2.483	0.036	1.45	1771070	2.764	0.281	11
79	a-PINENE	1.079	1.008	1.030	1.057	1.049	1.093	1.036	0.040	3.91	1008847	1.574	0.208	17.
80	bis-(2-CHLOROETHYL) ETHER	0.571	0.692	0.750	0.772	0.866	0.812	0.694	0.059	8.46	528244	0.824	0.100	13.
81	1,3,5-TRIMETHYLBENZENE	1.393	1.348	1.332	1.306	1.342	1.375	1.349	0.031	1.67	1325021	2.067	0.218	11.
82	n-DECANE	2.524	2.067	2.006	2.091	2.021	2.094	2.072	0.083	3.48	1645179	2.567	0.194	8.
83	beta-PINENE	1.129	1.098	1.168	1.156	1.178	1.207	1.156	0.038	3.32	370269	1.062	0.207	17
84	1,2,4-TRIMETHYLBENZENE	1.063	1.312	1.346	1.778	1.313	1.304	1.342	0.064	3.45	1014697	2.051	0.203	11
85	BROMOFLUOROBENZENE	0.226	0.240	0.241	0.227	0.224	0.222	0.237	0.004	1.53	142195	0.222	-0.015	-
86	BENZYL CHLORIDE	1.206	1.241	1.310	1.418	1.461	1.517	1.357	0.124	9.12	1027772	1.304	0.247	18.
87	1,3-DICHLOROBENZENE	0.834	0.798	0.783	0.771	0.772	0.779	0.789	0.024	3.01	570490	0.895	0.105	10.
88	2-ETHYL-1-HEXANOL	0.088	0.460	0.549	0.504	0.281	0.267	0.425	0.138	32.59	208664	0.326	-0.099	-20.
89	1,4-DICHLOROBENZENE	0.972	0.921	0.910	0.876	0.878	0.989	0.908	0.036	4.01	560693	1.031	0.123	12.
90	d-LIMONENE	0.898	0.901	0.909	0.912	0.926	0.936	0.914	0.015	1.59	543584	1.004	0.090	8.
91	1,2-DICHLOROBENZENE	0.853	0.816	0.784	0.743	0.750	0.755	0.784	0.043	5.54	555419	0.867	0.083	10.
92	1-NONANOL	0.276	0.248	0.314	0.296	0.271	0.267	0.310	0.044	14.20	204342	0.319	0.008	2.
93	1,2-DIBROMO-3-CHLOROPROPA	0.320	0.322	0.326	0.303	0.302	0.311	0.314	0.010	3.25	218510	0.341	0.027	8.
94	NONANAL	0.203	0.254	0.285	0.309	0.311	0.321	0.281	0.045	16.01	211405	0.330	0.049	17.
95	n-UNDECANE	2.210	2.100	2.080	1.987	1.996	2.054	2.071	0.082	3.94	1414450	2.207	0.136	6.
96	n-DODECANE	2.018	1.901	1.797	1.736	1.667	1.545	1.794	0.144	8.03	1214952	1.896	0.102	5.
97	1,2,4-TRICHLOROBENZENE	0.427	0.461	0.446	0.426	0.417	0.421	0.433	0.017	3.95	307405	0.480	0.047	10.
98	NAPHTHALENE	1.400	1.435	1.409	1.342	1.309	1.334	1.371	0.050	3.64	951783	1.485	0.114	8.
99	HEXACHLOROBUTADIENE	0.309	0.272	0.267	0.249	0.248	0.252	0.266	0.023	8.58	190350	0.297	0.031	1

File : C:\HPCHEM\1\DATA\S103097\10309702.D
Operator : CJC
Acquired : 30 Oct 97 7:55 am using AcqMethod FCTO14B
Instrument : 5989 - In
Sample Name: 50 NG TO-14 STD (S10299701/S010299702)
Misc Info :
Vial Number: 2



File	C:\HPCHEM\1\DATA\S103097\10309702.D
Operator	CJC
Date	30 Oct 97 7:55 am
Sample	50 NG TO-14 STD (S10299701/S010299702)
Conditions	5989A/ENTECH 7000

CPD

#	Compound	RRT(L)	Area	RRF	Amount	Units	PPB(V)
1	BROMOCHLOROMETHANE	11.83	148678	1.000	50.00	NG	**
2	PROPENE	3.97	1000714	9.986	33.70	NG	19.63
3	DICHLORODIFLUOROMETHANE	4.12	1284576	4.404	98.10	NG	20.00
4	CHLOROMETHANE	4.48	572914	5.387	42.00	NG	20.55
5	DICHLOROTETRAFLUOROETHA	4.69	1395006	3.341	140.40	NG	20.20
6	VINYL CHLORIDE	4.96	725411	4.879	50.00	NG	19.73
7	1,3-BUTADIENE	5.25	752629	5.514	45.90	NG	20.79
8	BROMOMETHANE	5.30	506077	2.331	73.00	NG	19.00
9	CHLOROETHANE	5.13	471098	2.381	55.00	NG	21.02
10	ETHANOL	5.25	483414	3.251	50.00	NG	26.59
11	ACETONITRILE	5.59	1024442	3.908	50.00	NG	29.33
12	ACROLEIN	5.34	581171	2.564	50.00	NG	21.84
13	ACETONE	7.15	429657	2.390	50.00	NG	21.09
14	PROPYLENE OXIDE	7.41	322105	2.167	50.00	NG	21.09
15	TRICHLOROFLUOROMETHANE	7.50	340181	2.374	110.00	NG	19.73
16	ISOPROPYL ALCOHOL	7.51	1439423	10.085	50.00	NG	20.38
17	ACRYLONITRILE	7.92	348655	3.081	50.00	NG	23.08
18	tert-BUTANOL	8.50	1166679	7.347	50.00	NG	16.53
19	1,1-DICHLOROETHENE	8.54	730453	4.313	50.00	NG	12.74
20	METHYLENE CHLORIDE	8.59	768900	5.172	50.00	NG	14.56
21	ALLYL CHLORIDE	8.38	277016	1.363	50.00	NG	16.09
22	TRICHLOROTRIFLUOROETHANE	9.10	1200841	2.381	151.00	NG	19.36
23	CARBON DISULFIDE	9.27	1693879	11.293	50.00	NG	16.09
24	trans-1,2-DICHLOROETHENE	10.11	705378	4.748	50.00	NG	12.74
25	1,1-DICHLOROETHANE	10.41	359748	5.783	50.00	NG	12.48
26	cis-1,2-DICHLOROETHENE	11.58	547552	4.355	50.00	NG	12.74
27	t-BUTYL METHYL ETHER	10.44	1295308	3.712	50.00	NG	13.90
28	VINYL ACETATE	10.52	2425117	16.311	50.00	NG	14.22
29	2-BUTANONE	10.90	1385714	10.256	50.00	NG	16.39
30	3-METHYL PENTANE	11.22	1004651	3.377	50.00	NG	14.22
31	ETHYL ACETATE	11.77	2085369	14.026	50.00	NG	13.90
32	n-HEXANE	11.35	1037667	6.979	50.00	NG	14.22
33	CHLOROFORM	11.98	656785	4.417	50.00	NG	10.36
34	2-METHYL-1-PROPANOL	12.36	916656	6.165	50.00	NG	16.53
35	1,2-DICHLOROETHANE-D4	12.39	429906	2.385	50.00	NG	**
36	1,2-DICHLOROETHANE	13.04	602539	4.053	50.00	NG	12.48
37	1,4-DIFLUOROBENZENE	14.45	360103	1.000	50.00	NG	**
38	1,1,1-TRICHLOROETHANE	13.42	462913	0.482	50.00	NG	3.27
39	1-BUTANOL	13.73	561727	0.585	50.00	NG	16.53
40	BENZENE	14.08	1776443	1.850	50.00	NG	15.58
41	CARBON TETRACHLORIDE	14.30	381938	0.398	50.00	NG	3.05
42	VALERALDEHYDE (PENTANAL)	14.90	1108311	1.154	50.00	NG	14.22
43	1,2-DICHLOROPROPANE	15.21	504929	0.526	50.00	NG	10.92
44	1,4-DIOXANE	15.45	316838	0.330	50.00	NG	13.90

TO-14 RESULTS (Page 2 of 3)

File	C:\HPCHEM\1\DATA\S103097\10309702.D
Operator	CJC
Date	30 Oct 97 7:55 am
Sample	50 NG TO-14 STD (S10299701/S010299702)
Conditions	5989A/ENTECH 7000

CPD #	Compound	RRT	Area	RRF	Amount	Units	
45	BROMODICHLOROMETHANE	15.46	498099	0.519	50.00	NG	7.55
46	TRICHLOROETHENE	15.53	342425	0.357	50.00	NG	9.41
47	EPICHLOROHYDRIN	15.62	81726	0.085	50.00	NG	13.29
48	METHYL METHACRYLATE	15.63	1000511	1.042	50.00	NG	12.23
49	HEPTANE	15.34	1339987	1.396	50.00	NG	12.23
50	cis-1,3-DICHLOROPROPENE	16.70	392227	0.718	72.30	NG	13.01
51	4-METHYL-2-PENTANONE	16.69	1737293	1.809	50.00	NG	12.23
52	DIMETHYL DISULFIDE	17.17	727499	0.758	50.00	NG	13.01
53	trans-1,3-DICHLOROPROPENE	17.44	336887	0.875	26.00	NG	5.73
54	1,1,2-TRICHLOROETHANE	17.77	344680	0.359	50.00	NG	8.27
55	CHLOROBENZENE-D5	21.03	340945	1.000	50.00	NG	**
56	TOLUENE-D8	18.06	1102953	1.721	50.00	NG	**
57	1,3-DICHLOROPROPANE	18.22	324237	1.236	50.00	NG	10.92
58	TOLUENE	18.22	1599985	2.496	50.00	NG	13.29
59	2-HEXANONE	18.46	1584167	2.323	50.00	NG	12.23
60	HEXANAL	18.34	317904	0.364	50.00	NG	12.23
61	DIBROMOCHLOROMETHANE	18.39	344103	0.537	50.00	NG	5.84
62	BUTYL ACETATE	19.06	2099489	3.276	50.00	NG	10.54
63	TETRAHYDROTHIOPHENE	19.57	674669	1.053	50.00	NG	13.30
64	OCTANE	19.59	2023965	3.158	50.00	NG	10.73
65	1,2-DIBROMOETHANE	19.01	379086	0.592	50.00	NG	8.33
66	TETRACHLOROETHENE	20.00	290775	0.408	50.00	NG	7.46
67	CHLOROBENZENE	21.10	969428	1.512	50.00	NG	10.92
68	ETHYLBENZENE	21.58	560724	0.875	50.00	NG	11.54
69	m & p - XYLENES	21.97	1464410	1.142	100.00	NG	23.08
70	BROMOFORM	22.20	252294	0.394	50.00	NG	4.39
71	STYRENE	22.30	1090260	1.701	50.00	NG	11.76
72	2-BUTOXYETHANOL	23.03	1400470	2.185	50.00	NG	10.36
73	1,1,2,2-TETRACHLOROETHANE	22.76	676481	1.055	50.00	NG	7.37
74	NONANE	23.02	1855154	2.894	50.00	NG	9.55
75	o - XYLENE	22.81	676720	1.056	50.00	NG	11.54
76	CUMENE	23.84	1514160	2.362	50.00	NG	10.19
77	1-HEPTANOL	24.67	141674	0.221	50.00	NG	10.54
78	4-ETHYLTOLUENE	25.08	1771373	2.764	50.00	NG	10.19
79	a-PINENE	24.59	1008847	1.574	50.00	NG	3.99
80	bis-(2-CHLOROETHYL) ETHER	24.89	523244	0.324	50.00	NG	3.61
81	1,3,5-TRIMETHYLBENZENE	25.20	1325021	2.067	50.00	NG	10.19
82	n-DECANE	26.10	1644832	2.566	50.00	NG	3.61
83	beta-PINENE	25.94	373269	1.362	50.00	NG	3.99
84	1,2,4-TRIMETHYLBENZENE	26.03	1314697	2.051	50.00	NG	10.19
85	BROMOFLUOROBENZENE	23.63	142185	0.222	50.00	NG	**
86	BENZYL CHLORIDE	26.32	1027772	1.604	50.00	NG	9.71
87	1,3-DICHLOROBENZENE	26.39	573490	0.895	50.00	NG	8.38

TO-14 RESULTS (PAGE 3 OF 3)

File	C:\HPCHEM\1\DATA\S103097\10309702.D
Operator	CJC
Date	30 Oct 97 7:55 am
Sample	50 NG TO-14 STD (S10299701/S010299702)
Conditions	5989A/ENTECH 7000

CPD #	Compound	RRT(L)	Area	RRF	Amount	Units	PPB(V)
88	2-ETHYL-1-HEXANOL	26.51	208664	0.326	50.00	NG	9.41
89	1,4-DICHLOROBENZENE	26.51	660693	1.031	50.00	NG	8.38
90	d-LIMONENE	27.16	643584	1.004	50.00	NG	8.99
91	1,2-DICHLOROBENZENE	27.22	555419	0.867	50.00	NG	8.38
92	1-NONANOL	31.03	204342	0.319	50.00	NG	8.49
93	1,2-DIBROMO-3-CHLOROPROPA	28.14	218510	0.341	50.00	NG	5.23
94	NONANAL	28.45	211405	0.330	50.00	NG	8.61
95	n-UNDECANE	28.73	1414450	2.207	50.00	NG	7.34
96	n-DODECANE	31.03	1214952	1.396	50.00	NG	7.19
97	1,2,4-TRICHLOROBENZENE	30.31	307405	0.480	50.00	NG	6.79
98	NAPHTHALENE	31.18	951783	1.485	50.00	NG	9.55
99	HEXACHLOROBUTADIENE	31.30	190350	0.297	50.00	NG	4.74

TO-14 INITIAL/CONTINUING CALIBRATION RESULTS
FULLICR.XLS

Cont. Cal. Date: 3 Nov 97 9:46 am
Cont. Cal. File: C:\HPCHEM\1\DATA\S110397\11039703.D
Operator: CJC
Date: 3 Nov 97 9:46 am
Sample: 50 NG TO-14 STD (S10299701/S10299702)
Inst. ID: HP 5989A/ENTECH 7000

NG	Filename
50	10299709.D
5	10299712.D
10	10299711.D
20	10299710.D
75	10299708.D
100	10299707.D

CPD		Initial Calibration									Continuing Calibration			
#	Compound	5	10	20	50	75	100	AVE RR	SD	%RSD	CC AREA	CC RRF	D	%RSD
1	BROMOCHLOROMETHANE	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.00	135502	1.000	0.000	**
2	PROPENE	11.101	10.252	10.114	10.176	9.866	10.189	10.283	0.423	4.11	947245	10.372	0.089	0.86
3	DICHLORODIFLUOROMETHANE	3.813	3.547	3.477	3.452	3.508	3.580	3.563	0.131	3.67	1099610	4.136	0.573	16.09
4	CHLOROMETHANE	5.969	5.366	5.069	5.014	4.774	5.013	5.201	0.421	8.10	618384	5.433	0.232	4.46
5	DICHLOROTETRAFLUOROETHA	3.551	3.165	3.044	2.948	2.756	2.855	3.053	0.283	9.25	1331578	3.500	0.446	14.62
6	VINYL CHLORIDE	5.164	4.813	4.573	4.409	4.190	4.442	4.598	0.344	7.48	668349	4.932	0.334	7.26
7	1,3-BUTADIENE	5.875	5.291	5.126	5.093	4.859	5.047	5.215	0.352	6.75	685231	5.509	0.294	5.63
8	BROMOMETHANE	2.424	2.199	2.083	2.009	1.904	1.977	2.099	0.188	8.97	473933	2.396	0.296	14.12
9	CHLOROETHANE	3.252	2.973	2.806	2.656	2.533	2.586	2.801	0.273	9.74	428821	2.877	0.076	2.71
10	ETHANOL	3.607	3.497	3.307	3.032	2.795	2.745	3.164	0.362	11.44	448186	3.308	0.144	4.54
11	ACETONITRILE	10.151	3.443	3.384	3.728	3.394	3.509	3.018	0.365	7.58	1227084	3.056	0.008	0.42
12	ACROLEIN	2.850	2.815	2.513	2.505	2.376	2.431	2.548	0.169	6.62	340357	2.512	-0.036	-1.43
13	ACETONE	3.333	3.026	2.840	2.738	2.667	2.657	2.877	0.262	9.11	397132	2.931	0.054	1.88
14	PROPYLENE OXIDE	2.430	2.203	2.093	1.935	1.867	1.857	2.064	0.225	10.88	288848	2.132	0.067	3.26
15	TRICHLOROFLUOROMETHANE	3.561	2.561	2.491	2.349	2.246	2.295	2.601	0.494	18.99	310370	3.054	0.453	17.43
16	ISOPROPYL ALCOHOL	12.085	10.533	10.089	9.550	8.926	8.519	9.983	1.283	12.85	1410899	10.412	0.429	4.30
17	ACRYLONITRILE	7.190	6.043	5.707	5.730	5.518	5.849	6.006	0.605	10.08	380304	5.497	0.490	8.16
18	tert-BUTANOL	3.498	8.212	7.204	8.169	7.259	6.382	7.704	0.668	8.67	1108254	8.179	0.475	5.17
19	1,1-DICHLOROETHENE	5.383	5.039	4.500	4.711	4.475	4.489	4.766	0.372	7.80	589651	5.090	0.323	6.79
20	METHYLENE CHLORIDE	6.408	5.532	5.220	5.039	4.838	4.887	5.337	0.598	11.20	723661	5.341	0.003	0.06
21	ALLYL CHLORIDE	1.911	1.900	1.885	1.863	1.792	1.813	1.861	0.048	2.59	249915	1.844	-0.016	-0.87
22	TRICHLOROTRIFLUOROETHANE	2.989	2.754	2.667	2.500	2.494	2.457	2.660	0.195	7.32	1127406	2.755	0.095	3.57
23	CARBON DISULFIDE	12.357	11.591	11.072	11.290	10.896	11.277	11.562	0.583	5.91	1558677	11.738	0.236	2.04
24	trans-1,2-DICHLOROETHENE	5.041	4.894	4.593	4.658	4.511	4.515	4.719	0.211	4.48	669385	4.940	0.221	4.59
25	1,1-DICHLOROETHANE	6.708	6.281	6.073	5.703	5.481	5.540	5.965	0.479	8.03	908051	5.963	-0.001	-0.02
26	cis-1,2-DICHLOROETHENE	4.707	4.513	4.357	4.311	4.138	4.157	4.364	0.218	4.99	623311	4.600	0.236	5.41
27	t-BUTYL METHYL ETHER	9.235	8.846	8.686	8.680	8.603	8.601	8.775	0.242	2.76	1246787	9.201	0.426	4.86
28	VINYL ACETATE	17.134	16.735	16.647	16.525	16.261	16.267	16.811	0.326	1.96	2277618	16.909	0.197	1.19
29	2-BUTANONE	14.052	13.918	13.672	13.564	13.255	13.000	13.575	0.410	3.00	1872044	13.816	0.140	1.02
30	3-METHYL PENTANE	9.061	9.056	9.095	9.127	8.804	8.980	9.071	0.183	2.02	1245051	9.188	0.118	1.30
31	ETHYL ACETATE	15.487	14.598	14.561	14.545	13.907	14.424	14.604	0.510	3.49	1965855	14.508	-0.096	-0.66
32	n-HEXANE	7.580	7.231	7.168	5.970	6.828	6.871	7.108	0.281	3.95	986191	7.278	0.170	2.39
33	CHLOROFORM	4.924	4.648	4.408	4.236	4.003	4.020	4.373	0.364	8.31	630051	4.650	0.276	6.32
34	2-METHYL-1-PROPANOL	8.485	8.815	8.572	8.522	5.478	5.090	8.160	0.692	11.24	867135	8.399	0.239	2.88
35	1,2-DICHLOROETHANE-D4	3.051	2.993	2.924	2.755	2.610	2.641	2.912	0.181	6.42	416707	3.075	0.263	**
36	1,2-DICHLOROETHANE	4.373	4.265	3.981	3.790	3.303	3.304	3.931	0.414	10.58	572230	4.223	0.202	5.32
37	1,4-DIFLUOROBENZENE	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.00	992988	1.000	0.000	0.00
38	1,1,1-TRICHLOROETHANE	0.485	0.447	0.446	0.427	0.424	0.433	0.444	0.023	5.08	453246	0.508	0.064	14.43
39	1-BUTANOL	0.572	0.643	0.702	0.647	0.443	0.373	0.563	0.129	22.89	524394	0.587	0.024	4.24
40	BENZENE	1.844	1.794	1.757	1.759	1.788	1.858	1.800	0.043	2.37	1641239	1.838	0.038	2.10
41	CARBON TETRACHLORIDE	0.386	0.367	0.354	0.344	0.343	0.355	0.358	0.016	4.48	355243	0.398	0.040	11.09
42	VALERALDEHYDE (PENTANAL)	1.055	1.097	1.101	1.125	1.149	1.178	1.118	0.043	3.87	1063242	1.191	0.073	6.54
43	1,2-DICHLOROPROPANE	0.553	0.530	0.521	0.505	0.506	0.511	0.521	0.018	3.53	469662	0.526	0.005	0.90
44	1,4-DIOXANE	0.307	0.312	0.323	0.314	0.304	0.301	0.310	0.008	2.63	302557	0.339	0.028	9.18
45	BROMODICHLOROMETHANE	0.530	0.510	0.483	0.465	0.460	0.467	0.486	0.028	5.83	474373	0.531	0.045	9.34
46	TRICHLOROETHENE	0.352	0.352	0.348	0.341	0.338	0.345	0.346	0.006	1.64	311892	0.349	0.003	0.88
47	EPICHLOROHYDRIN	0.084	0.090	0.081	0.085	0.082	0.086	0.085	0.003	3.71	56212	0.074	-0.010	-12.30
48	METHYL METHACRYLATE	0.955	0.997	1.001	1.017	1.013	1.049	1.005	0.031	3.06	951317	1.065	0.060	5.37
49	HEPTANE	1.383	1.373	1.363	1.393	1.395	1.436	1.390	0.025	1.82	1288875	1.443	0.053	3.80
50	cis-1,3-DICHLOROPROPENE	0.657	0.684	0.674	0.677	0.674	0.690	0.676	0.011	1.64	921763	0.717	0.041	6.03
	4-METHYL-2-PENTANONE	1.723	1.737	1.753	1.758	1.762	1.817	1.758	0.032	1.81	1658112	1.857	0.098	5.50
52	DIMETHYL DISULFIDE	0.633	0.690	0.743	0.795	0.805	0.844	0.752	0.079	10.54	507266	0.568	-0.183	-24.41
53	trans-1,3-DICHLOROPROPENE	0.538	0.565	0.611	0.640	0.631	0.670	0.609	0.049	8.10	313290	0.675	0.065	10.73
54	1,1,2-TRICHLOROETHANE	0.351	0.344	0.336	0.338	0.338	0.347	0.342	0.006	1.77	325981	0.365	0.023	6.82
55	CHLOROBENZENE-D5	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.000	0.00	601576	1.000	0.000	**
56	TOLUENE-D8	1.614	1.581	1.613	1.582	1.623	1.618	1.605	0.019	1.18	1061701	1.765	0.160	**
57	1,3-DICHLOROPROPANE	1.249	1.142	1.131	1.119	1.132	1.126	1.150	0.049	4.28	765260	1.272	0.122	10.65

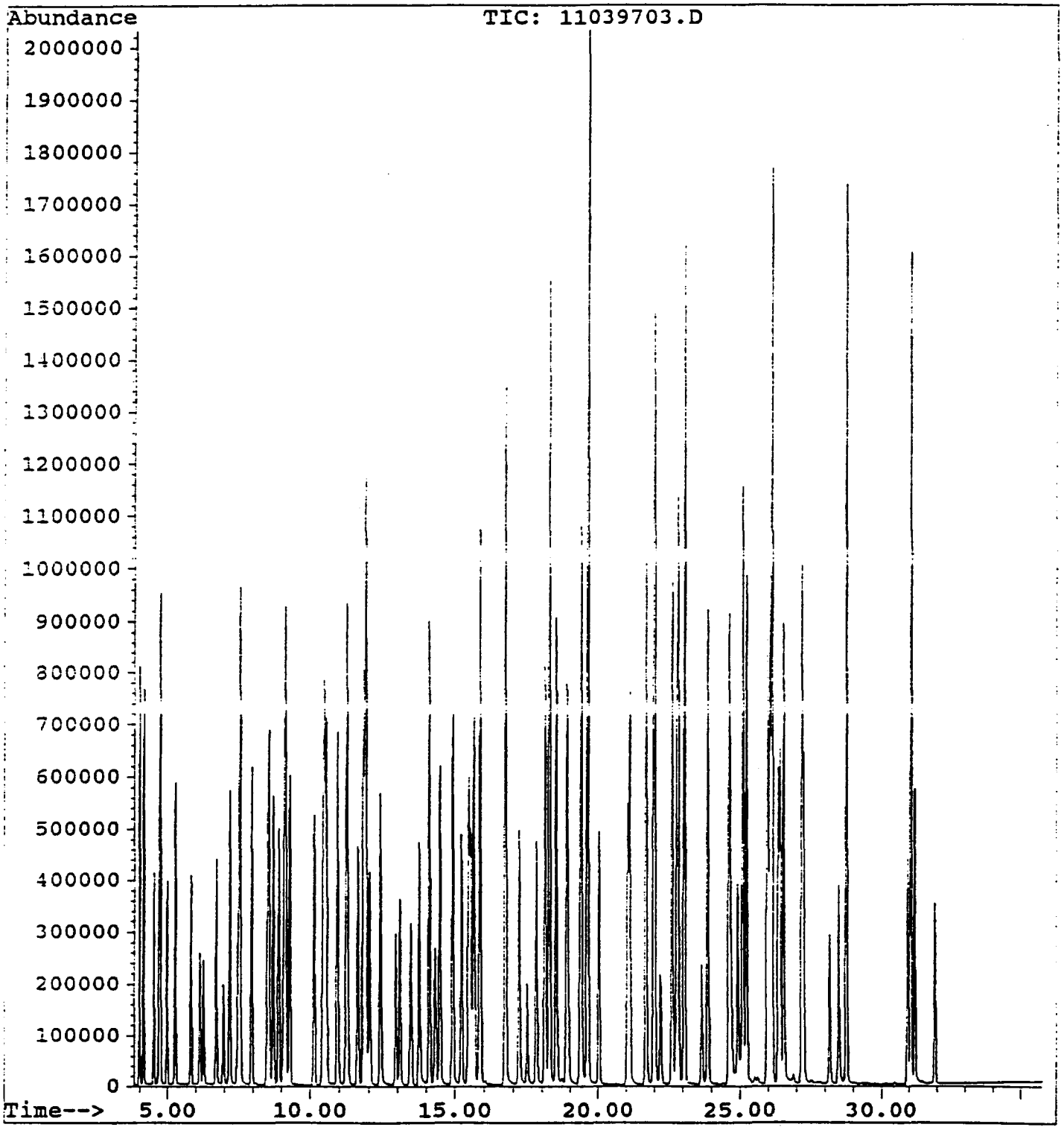
TO-14 INITIAL/CONTINUING CALIBRATION RESULTS

Cont. Cal. Date: 3 Nov 97 9:46 am
Cont. Cal. File: C:\HPCHEM\1\DATA\S110397\11039703.D
Operator: CJC
Date: 3 Nov 97 9:46 am
Sample: 50 NG TO-14 STD (S10299701/S10299702)
Inst. ID: HP 5989A/ENTECH 7000

NG	Filename
50	10299709.D
5	10299712.D
10	10299711.D
20	10299710.D
75	10299708.D
100	10299707.D

CPD		Initial Calibration									Continuing Calibration			
#	Compound	5	10	20	50	75	100	AVE RR	SD	%RSD	CC AREA	CC RRF	D	%RSD
58	TOLUENE	2.266	2.167	2.227	2.208	2.241	2.278	2.231	0.041	1.83	1511375	2.512	0.281	12.50
59	2-HEXANONE	2.054	2.182	2.258	2.330	2.378	2.471	2.279	0.148	6.49	1590960	2.645	0.366	16.06
60	HEXANAL	0.768	0.797	0.841	0.874	0.868	0.899	0.841	0.050	5.92	582410	0.968	0.127	15.09
61	DIBROMOCHLOROMETHANE	0.501	0.462	0.467	0.454	0.453	0.463	0.467	0.018	3.82	310394	0.516	0.049	10.55
62	BUTYL ACETATE	2.406	2.582	2.761	2.935	2.916	3.033	2.772	0.239	8.62	1949590	3.241	0.469	16.91
63	TETRAHYDROTHIOPHENE	0.895	0.878	0.926	0.943	0.960	0.959	0.925	0.032	3.49	548844	1.079	0.153	16.58
64	OCTANE	3.038	2.798	2.828	2.788	2.789	2.823	2.944	0.097	3.39	1908075	3.172	0.328	11.52
65	1,2-DIBROMOETHANE	0.525	0.509	0.514	0.506	0.512	0.523	0.515	0.007	1.44	359813	0.598	0.083	16.19
66	TETRACHLOROETHENE	0.392	0.376	0.392	0.371	0.379	0.382	0.382	0.009	2.25	249608	0.415	0.033	8.61
67	CHLOROBENZENE	1.387	1.330	1.342	1.351	1.345	1.375	1.355	0.022	1.60	367059	1.441	0.086	5.97
68	ETHYLBENZENE	0.724	0.739	0.756	0.769	0.771	0.792	0.758	0.024	3.18	528632	0.879	0.120	15.86
69	m & p - XYLENES	0.998	0.967	0.984	0.981	0.992	1.017	0.990	0.017	1.70	1371151	1.140	0.150	15.14
70	BROMOFORM	0.351	0.336	0.337	0.347	0.346	0.351	0.344	0.007	1.98	231815	0.385	0.041	11.36
71	STYRENE	1.295	1.370	1.456	1.499	1.531	1.585	1.456	0.107	7.36	1025397	1.705	0.249	17.07
72	2-BUTOXYETHANOL	2.062	1.959	1.942	1.962	1.956	2.000	1.980	0.044	2.25	1311221	2.180	0.199	10.07
73	1,1,2,2-TETRACHLOROETHANE	1.022	0.982	0.944	0.925	0.932	0.944	0.958	0.037	3.87	547555	1.076	0.113	12.04
74	NONANE	2.794	2.582	2.604	2.601	2.525	2.588	2.649	0.080	3.02	1762175	2.929	0.280	10.58
75	o - XYLENE	0.959	0.927	0.928	0.922	0.923	0.936	0.932	0.014	1.49	539631	1.063	0.131	14.04
76	CUMENE	2.048	2.047	2.078	2.076	2.102	2.148	2.083	0.038	1.83	1443700	2.400	0.317	15.21
77	1-HEPTANOL	0.196	0.274	0.366	0.387	0.168	0.140	0.255	0.104	40.88	130973	0.218	-0.037	-14.61
78	4-ETHYLTOLUENE	2.464	2.437	2.482	2.469	2.502	2.542	2.483	0.036	1.45	1722647	2.864	0.281	15.03
79	a-PINENE	1.278	1.308	1.330	1.357	1.349	1.393	1.336	0.040	3.01	952484	1.583	0.248	13.53
80	bis-(2-CHLOROETHYL) ETHER	0.671	0.692	0.750	0.772	0.666	0.612	0.694	0.059	8.46	472052	0.785	0.091	13.11
81	1,3,5-TRIMETHYLBENZENE	1.893	1.848	1.832	1.806	1.842	1.875	1.849	0.031	1.67	1257920	2.091	0.242	13.07
82	n-DECANE	2.524	2.367	2.336	2.291	2.321	2.394	2.372	0.083	3.48	1561911	2.596	0.224	9.44
83	beta-PINENE	1.129	1.098	1.168	1.156	1.178	1.207	1.156	0.038	3.32	327831	1.376	0.220	19.07
84	1,2,4-TRIMETHYLBENZENE	1.963	1.812	1.846	1.779	1.813	1.834	1.842	0.064	3.45	1246727	2.072	0.231	12.53
85	BROMOFLUOROBENZENE	0.236	0.240	0.241	0.237	0.234	0.232	0.237	0.004	1.53	127996	0.213	-0.024	**
86	BENZYL CHLORIDE	1.206	1.241	1.310	1.418	1.451	1.517	1.357	0.124	9.12	981888	1.632	0.275	20.28
87	1,3-DICHLOROBENZENE	0.834	0.798	0.783	0.771	0.772	0.779	0.789	0.024	3.01	534967	0.889	0.100	12.65
88	2-ETHYL-1-HEXANOL	0.388	0.460	0.549	0.604	0.281	0.267	0.425	0.138	32.59	204786	0.340	-0.084	-19.87
89	1,4-DICHLOROBENZENE	0.972	0.921	0.910	0.876	0.878	0.889	0.908	0.036	4.01	618467	1.028	0.121	13.28
90	d-LIMONENE	0.898	0.901	0.909	0.912	0.926	0.936	0.914	0.015	1.59	520345	1.031	0.117	12.95
91	1,2-DICHLOROBENZENE	0.853	0.816	0.784	0.743	0.750	0.755	0.784	0.043	5.54	515252	0.857	0.073	8.30
92	1-NONANOL	0.376	0.348	0.314	0.286	0.271	0.267	0.310	0.044	14.20	201521	0.335	0.025	7.90
93	1,2-DIBROMO-3-CHLOROPROPA	0.320	0.322	0.326	0.303	0.302	0.311	0.314	0.010	3.25	203669	0.339	0.025	7.95
94	NONANAL	0.203	0.254	0.285	0.309	0.311	0.321	0.281	0.045	16.01	172045	0.286	0.005	1.91
95	n-UNDECANE	2.210	2.100	2.080	1.987	1.996	2.054	2.071	0.082	3.94	1351187	2.246	0.175	8.45
96	n-DODECANE	2.018	1.901	1.797	1.736	1.667	1.645	1.794	0.144	8.03	1170052	1.945	0.151	8.43
97	1,2,4-TRICHLOROBENZENE	0.427	0.461	0.446	0.426	0.417	0.421	0.433	0.017	3.96	283692	0.472	0.039	8.96
98	NAPHTHALENE	1.400	1.435	1.409	1.342	1.309	1.334	1.371	0.050	3.64	913040	1.518	0.146	10.67
99	HEXACHLOROBUTADIENE	0.309	0.272	0.267	0.249	0.248	0.252	0.266	0.023	8.68	177908	0.296	0.030	11.21

File : C:\HPCHEM\1\DATA\S110397\11039703.D
Operator : CJC
Acquired : 3 Nov 97 9:46 am using AcqMethod FCTO14B
Instrument : 5989 - In
Sample Name: 50 NG TO-14 STD (S10299701/S10299702)
Misc Info :
Vial Number: 2



File	C:\HPCHEM\1\DATA\S110397\11039703.D
Operator	CJC
Date	3 Nov 97 9:46 am
Sample	50 NG TO-14 STD (S10299701/S10299702)
Conditions	5989A/ENTECH 7000

CPD #	Compound	RRT(L)	Area	RRF	Amount	Units	PPB(V)
1	BROMOCHLOROMETHANE	11.85	135502	1.000	50.00	NG	**
2	PROPENE	3.98	947245	10.372	33.70	NG	19.63
3	DICHLORODIFLUOROMETHANE	4.13	1099610	4.136	98.10	NG	20.00
4	CHLOROMETHANE	4.49	618384	5.433	42.00	NG	20.55
5	DICHLOROTETRAFLUOROETHA	4.71	1331578	3.500	140.40	NG	20.20
6	VINYL CHLORIDE	4.98	668349	4.932	50.00	NG	19.73
7	1,3-BUTADIENE	5.27	685231	5.509	45.90	NG	20.79
8	BROMOMETHANE	5.82	473933	2.396	73.00	NG	19.00
9	CHLOROETHANE	6.15	423821	2.377	55.00	NG	21.02
10	ETHANOL	6.27	448186	3.308	50.00	NG	26.59
11	ACETONITRILE	6.71	1227084	9.056	50.00	NG	29.83
12	ACROLEIN	6.96	340357	2.512	50.00	NG	21.84
13	ACETONE	7.18	397132	2.931	50.00	NG	21.09
14	PROPYLENE OXIDE	7.46	288843	2.132	50.00	NG	21.09
15	TRICHLOROFLUOROMETHANE	7.52	910370	3.054	110.00	NG	19.78
16	ISOPROPYL ALCOHOL	7.53	1410899	10.412	50.00	NG	20.38
17	ACRYLONITRILE	7.95	380304	6.497	50.00	NG	23.08
18	tert-BUTANOL	8.52	1108254	8.179	50.00	NG	16.53
19	1,1-DICHLOROETHENE	8.56	639651	5.090	50.00	NG	12.74
20	METHYLENE CHLORIDE	8.71	723661	5.341	50.00	NG	14.56
21	ALLYL CHLORIDE	8.91	249915	1.844	50.00	NG	16.09
22	TRICHLOROTRIFLUOROETHANE	9.11	1127406	2.755	151.00	NG	19.36
23	CARBON DISULFIDE	9.29	1598677	11.798	50.00	NG	16.09
24	trans-1,2-DICHLOROETHENE	10.13	553085	4.340	50.00	NG	12.74
25	1,1-DICHLOROETHANE	10.43	808051	5.963	50.00	NG	12.48
26	cis-1,2-DICHLOROETHENE	11.50	523311	4.600	50.00	NG	12.74
27	t-BUTYL METHYL ETHER	10.47	1246787	9.201	50.00	NG	13.90
28	VINYL ACETATE	10.54	2277618	16.809	50.00	NG	14.22
29	2-BUTANONE	10.93	1372044	13.318	50.00	NG	16.99
30	3-METHYL PENTANE	11.25	1243051	9.158	50.00	NG	14.22
31	ETHYL ACETATE	11.79	1965855	14.508	50.00	NG	13.90
32	n-HEXANE	11.88	986191	7.278	50.00	NG	14.22
33	CHLOROFORM	12.01	530051	4.650	50.00	NG	10.36
34	2-METHYL-1-PROPANOL	12.38	867135	6.399	50.00	NG	16.53
35	1,2-DICHLOROETHANE-D4	12.92	416737	3.076	50.00	NG	**
36	1,2-DICHLOROETHANE	13.06	572283	4.223	50.00	NG	12.48
37	1,4-DIFLUOROBENZENE	14.48	392988	1.000	50.00	NG	**
38	1,1,1-TRICHLOROETHANE	13.45	453246	0.508	50.00	NG	9.27
39	1-BUTANOL	13.75	524394	0.587	50.00	NG	16.53
40	BENZENE	14.10	1641239	1.838	50.00	NG	15.68
41	CARBON TETRACHLORIDE	14.32	355243	0.398	50.00	NG	8.05
42	VALERALDEHYDE (PENTANAL)	14.93	1063242	1.191	50.00	NG	14.22
43	1,2-DICHLOROPROPANE	15.23	469662	0.526	50.00	NG	10.92
44	1,4-DIOXANE	15.47	302557	0.339	50.00	NG	13.90

TO-14 RESULTS (Page 2 of 3)

File	C:\HPCHEM\1\DATA\S110397\11039703.D
Operator	CJC
Date	3 Nov 97 9:46 am
Sample	50 NG TO-14 STD (S10299701/S10299702)
Conditions	5989A/ENTECH 7000

CPD #	Compound	RRT	Area	RRF	Amount	Units	
45	BROMODICHLOROMETHANE	15.48	474373	0.531	50.00	NG	7.55
46	TRICHLOROETHENE	15.55	311892	0.349	50.00	NG	9.41
47	EPICHLOROHYDRIN	15.84	86212	0.074	50.00	NG	13.29
48	METHYL METHACRYLATE	15.65	951317	1.065	50.00	NG	12.23
49	HEPTANE	15.86	1288875	1.443	50.00	NG	12.23
50	cis-1,3-DICHLOROPROPENE	16.73	321763	0.717	72.00	NG	16.01
51	4-METHYL-2-PENTANONE	16.72	1658112	1.857	50.00	NG	12.23
52	DIMETHYL DISULFIDE	17.19	507266	0.568	50.00	NG	13.01
53	trans-1,3-DICHLOROPROPENE	17.46	313280	0.675	26.00	NG	5.78
54	1,1,2-TRICHLOROETHANE	17.79	325981	0.365	50.00	NG	9.27
55	CHLOROBENZENE-D5	21.05	801576	1.000	50.00	NG	**
56	TOLUENE-D8	18.09	1061701	1.765	50.00	NG	**
57	1,3-DICHLOROPROPANE	18.24	765260	1.272	50.00	NG	10.92
58	TOLUENE	18.25	1511375	2.512	50.00	NG	13.29
59	2-HEXANONE	18.48	1590960	2.645	50.00	NG	12.23
60	HEXANAL	18.36	582410	0.968	50.00	NG	12.23
61	DIBROMOCHLOROMETHANE	18.91	310394	0.516	50.00	NG	5.94
62	BUTYL ACETATE	19.38	1949590	3.241	50.00	NG	10.54
63	TETRAHYDROTHIOPHENE	19.60	648844	1.079	50.00	NG	13.90
64	OCTANE	19.61	1908075	3.172	50.00	NG	10.73
65	1,2-DIBROMOETHANE	19.00	253810	0.338	50.00	NG	8.53
66	TETRACHLOROETHENE	20.02	249608	0.415	50.00	NG	7.46
67	CHLOROBENZENE	21.13	867059	1.441	50.00	NG	10.92
68	ETHYLBENZENE	21.70	528632	0.879	50.00	NG	11.54
69	m & p - XYLENES	22.00	1371151	1.140	100.00	NG	23.08
70	BROMOFORM	22.22	201815	0.385	50.00	NG	4.89
71	STYRENE	22.32	1125037	1.703	50.00	NG	11.76
72	2-BUTOXYETHANOL	23.05	1311221	2.180	50.00	NG	10.36
73	1,1,2,2-TETRACHLOROETHANE	22.79	647555	1.076	50.00	NG	7.37
74	NONANE	23.05	1762175	2.929	50.00	NG	9.55
75	o - XYLENE	22.83	639631	1.063	50.00	NG	11.54
76	CUMENE	23.86	1443700	2.400	50.00	NG	10.19
77	1-HEPTANOL	24.69	130973	0.218	50.00	NG	10.54
78	4-ETHYLTOLUENE	25.09	1722647	2.864	50.00	NG	10.19
79	a-PINENE	24.62	952484	1.583	50.00	NG	8.99
80	bis-(2-CHLOROETHYL) ETHER	24.91	472052	0.785	50.00	NG	8.61
81	1,3,5-TRIMETHYLBENZENE	25.22	1257920	2.091	50.00	NG	10.19
82	n-DECANE	26.12	1561911	2.596	50.00	NG	8.61
83	beta-PINENE	25.95	827831	1.376	50.00	NG	8.99
84	1,2,4-TRIMETHYLBENZENE	26.05	1246727	2.072	50.00	NG	10.19
85	BROMOFLUOROBENZENE	23.66	127996	0.213	50.00	NG	**
86	BENZYL CHLORIDE	26.34	981888	1.632	50.00	NG	9.71
87	1,3-DICHLOROBENZENE	26.41	534967	0.889	50.00	NG	8.38

TO-14 RESULTS (PAGE 3 OF 3)

File	C:\HPCHEM\1\DATA\S110397\11039703.D
Operator	CJC
Date	3 Nov 97 9:46 am
Sample	50 NG TO-14 STD (S10299701/S10299702)
Conditions	5989A/ENTECH 7000

CPD #	Compound	RRT(L)	Area	RRF	Amount	Units	PPB(V)
88	2-ETHYL-1-HEXANOL	26.52	204786	0.340	50.00	NG	9.41
89	1,4-DICHLOROBENZENE	26.54	618467	1.028	50.00	NG	8.38
90	d-LIMONENE	27.18	620345	1.031	50.00	NG	8.99
91	1,2-DICHLOROBENZENE	27.24	515252	0.857	50.00	NG	8.38
92	1-NONANOL	31.05	201521	0.335	50.00	NG	8.49
93	1,2-DIBROMO-3-CHLOROPROPA	28.16	203669	0.339	50.00	NG	5.23
94	NONANAL	28.48	172045	0.286	50.00	NG	3.51
95	n-UNDECANE	28.74	1351187	2.246	50.00	NG	7.84
96	n-DODECANE	31.04	1170052	1.945	50.00	NG	7.19
97	1,2,4-TRICHLOROBENZENE	30.93	283692	0.472	50.00	NG	6.79
98	NAPHTHALENE	31.20	913040	1.518	50.00	NG	9.55
99	HEXACHLOROBUTADIENE	31.92	177908	0.296	50.00	NG	4.74

BFB TUNING & MASS CALIBRATIONS

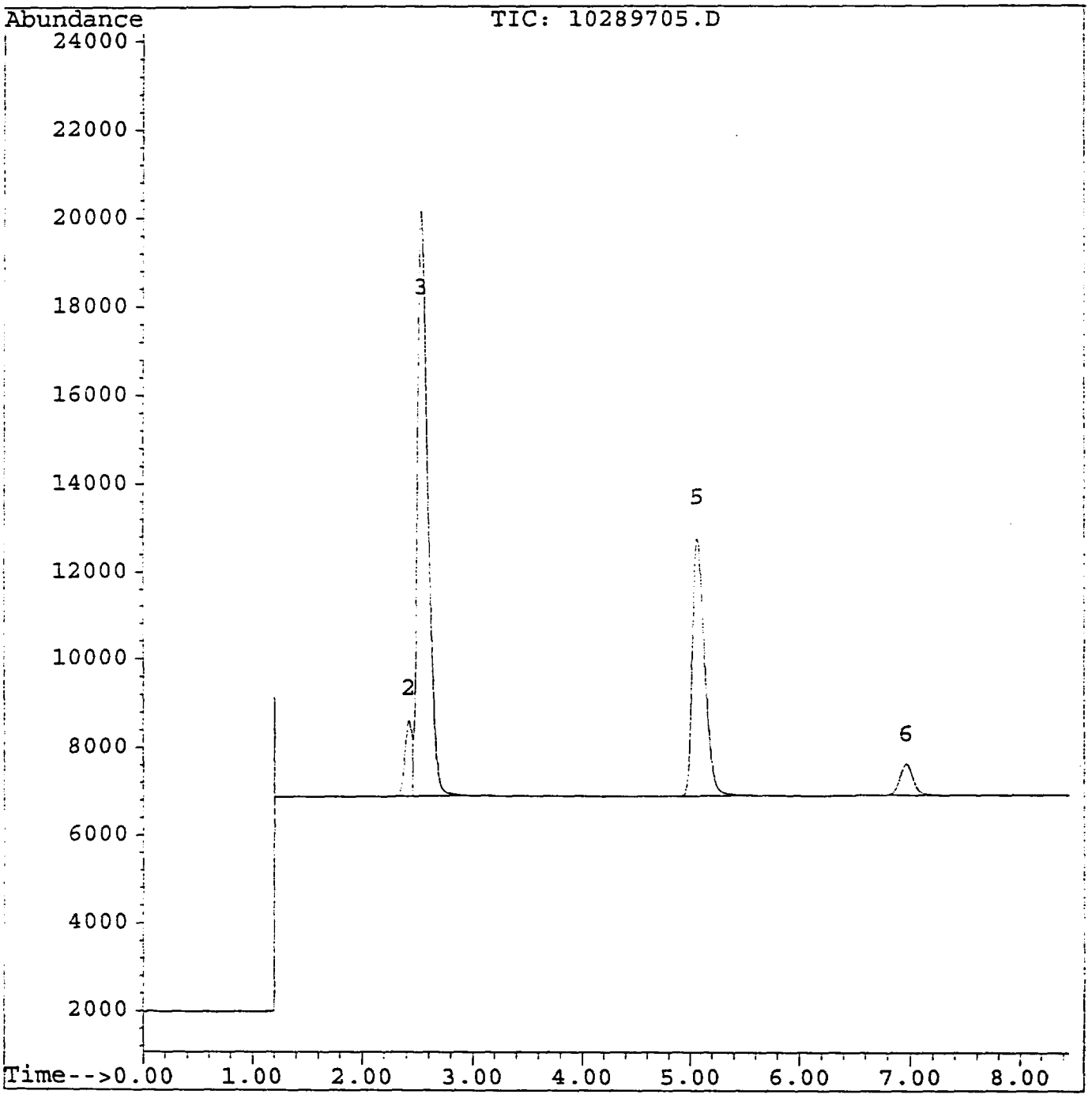
Quantitation Report

Data File : H:\GC1\DATA\FXG\102897\10289705.D
Acq On : 28 Oct 97 05:06 PM
Sample : 4133-001-100uL
Misc :
Quant Time: Oct 29 14:44 1997

Vial: 1
Operator: WHH
Inst : GC#1
Multiplr: 10.00

Method : H:\GC1\METHODS\FIXEDGAS.M
Title : EPA 25C TCA/FID Analysis for TGNMO
Last Update : Thu Jun 05 07:21:38 1997
Response via : Multiple Level Calibration

Volume Inj. : 100ul
Signal Phase : CarboSieve Packed Column
Signal Info :



Quantitation Report

Data File : H:\GC1\DATA\FXG\102897\10289705.D
Acq On : 28 Oct 97 05:06 PM
Sample : 4133-001-100uL
Misc :
Quant Time: Oct 29 14:44 1997

Vial: 1
Operator: WHH
Inst : GC#1
Multiplr: 10.00

Method : H:\GC1\METHODS\FIXEDGAS.M
Title : EPA 25C TCA/FID Analysis for TGNMO
Last Update : Thu Jun 05 07:21:38 1997
Response via : Multiple Level Calibration

Volume Inj. : 100ul
Signal Phase : CarboSieve Packed Column
Signal Info :

	Compound	R.T.	Response	Conc Units
	Target Compounds			
1)	Hydrogen	0.00	0	N.D. ppm
2)	Oxygen	2.42	74638	42305.171 ppm
3)	Nitrogen	2.53	873330	411495.720 ppm
4)	Carbon Monoxide	0.00	0	N.D. ppm
5)	Methane	5.07	460717	296470.661 ppm
6)	Carbon Dioxide	6.97	56848	25345.296 ppm m

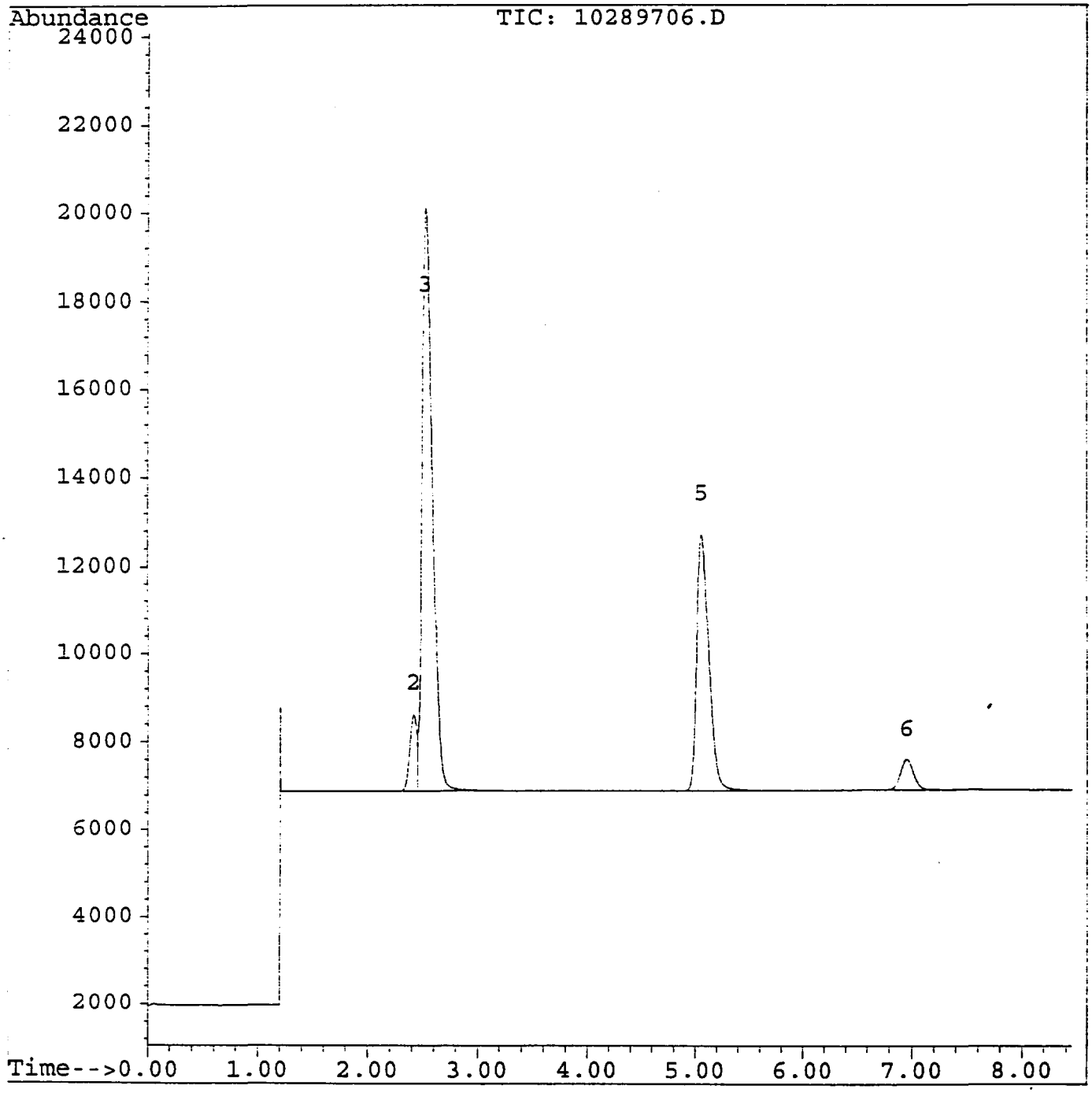
Quantitation Report

Data File : H:\GC1\DATA\FXG\102897\10289706.D
Acq On : 28 Oct 97 05:20 PM
Sample : 4133-001-100uLDP
Misc :
Quant Time: Oct 29 14:45 1997

Vial: 1
Operator: WHH
Inst : GC#1
Multiplr: 10.00

Method : H:\GC1\METHODS\FIXEDGAS.M
Title : EPA 25C TCA/FID Analysis for TGNMO
Last Update : Thu Jun 05 07:21:38 1997
Response via : Multiple Level Calibration

Volume Inj. : 100ul
Signal Phase : CarboSieve Packed Column
Signal Info :



Quantitation Report

Data File : H:\GC1\DATA\FXG\102897\10289706.D
Acq On : 28 Oct 97 05:20 PM
Sample : 4133-001-100uLDP
Misc :
Quant Time: Oct 29 14:45 1997

Vial: 1
Operator: WHH
Inst : GC#1
Multiplr: 10.00

Method : H:\GC1\METHODS\FIXEDGAS.M
Title : EPA 25C TCA/FID Analysis for TGNMO
Last Update : Thu Jun 05 07:21:38 1997
Response via : Multiple Level Calibration

Volume Inj. : 100ul
Signal Phase : CarboSieve Packed Column
Signal Info :

	Compound	R.T.	Response	Conc Units
	Target Compounds			
1)	Hydrogen	0.00	0	N.D. ppm
2)	Oxygen	2.42	74348	42139.398 ppm
3)	Nitrogen	2.53	866726	408359.513 ppm
4)	Carbon Monoxide	0.00	0	N.D. ppm
5)	Methane	5.06	455630	293196.676 ppm
6)	Carbon Dioxide	6.96	55921	24932.141 ppm m

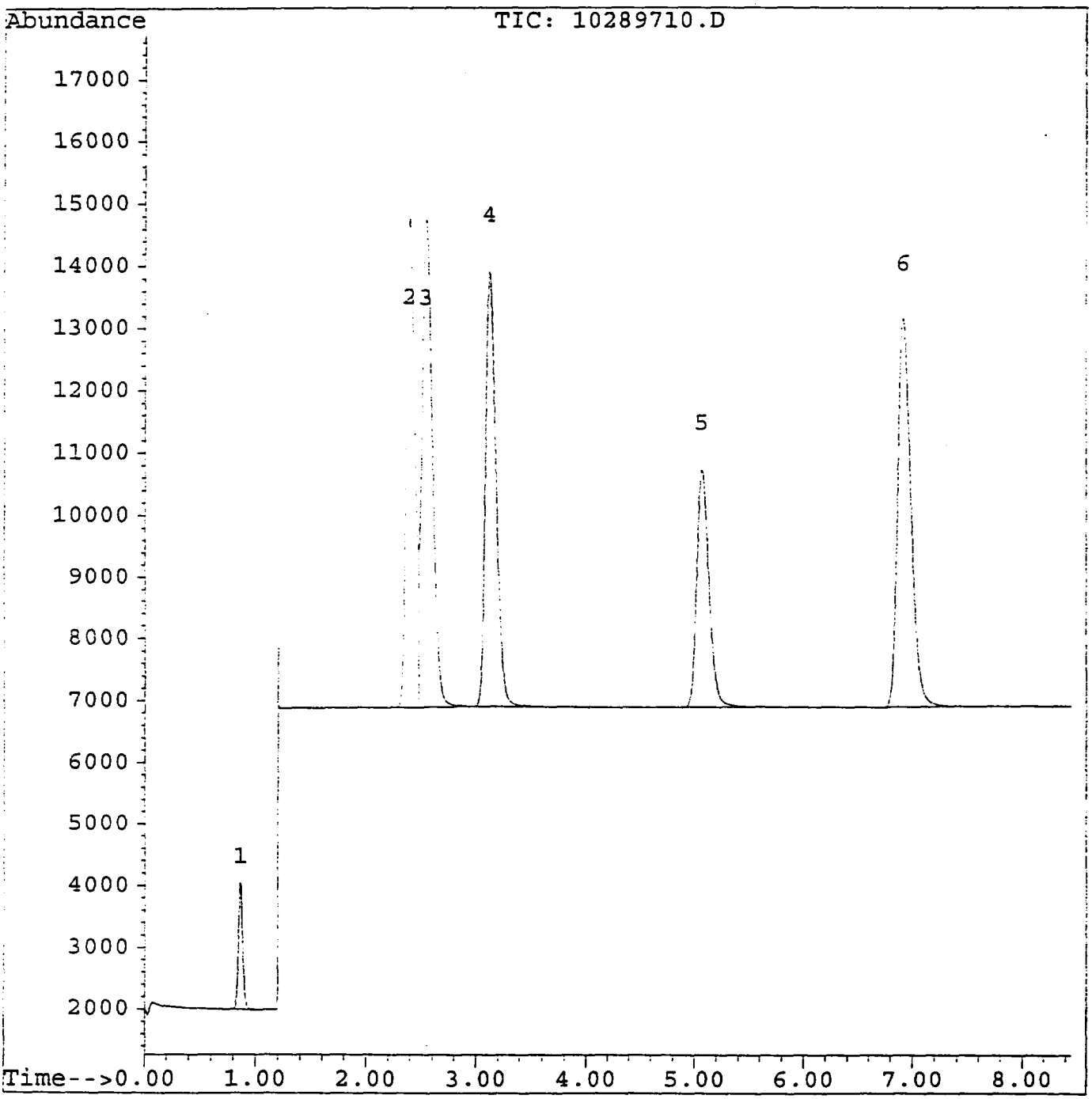
Quantitation Report

Data File : H:\GC1\DATA\FXG\102897\10289710.D
Acq On : 28 Oct 97 06:47 PM
Sample : STD-500uL
Misc :
Quant Time: Oct 28 19:03 1997

Vial: 1
Operator: WHH
Inst : GC#1
Multiplr: 2.00

Method : H:\GC1\METHODS\FIXEDGAS.M
Title : EPA 25C TCA/FID Analysis for TGNMO
Last Update : Thu Jun 05 07:21:38 1997
Response via : Multiple Level Calibration

Volume Inj. : 100ul
Signal Phase : CarboSieve Packed Column
Signal Info :



Quantitation Report

Data File : H:\GC1\DATA\FXG\102897\10289710.D
Acq On : 28 Oct 97 06:47 PM
Sample : STD-500uL
Misc :
Quant Time: Oct 28 19:03 1997

Vial: 1
Operator: WHH
Inst : GC#1
Multiplr: 2.00

Method : H:\GC1\METHODS\FIXEDGAS.M
Title : EPA 25C TCA/FID Analysis for TGNMO
Last Update : Thu Jun 05 07:21:38 1997
Response via : Multiple Level Calibration

Volume Inj. : 100ul
Signal Phase : CarboSieve Packed Column
Signal Info :

	Compound	R.T.	Response	Conc Units
	Target Compounds			
1)	Hydrogen	0.87	55260	40886.767 ppm
2)	Oxygen	2.40	426694	48603.870 ppm
3)	Nitrogen	2.55	520470	48783.045 ppm
4)	Carbon Monoxide	3.13	471056	48343.421 ppm
5)	Methane	5.07	296780	38195.389 ppm
6)	Carbon Dioxide	6.92	523790	46705.642 ppm

RESULTS OF VOLATILE ORGANIC ANALYSIS

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : VOC Analytical

Client Sample ID : G97-10-363-1
PAI Sample ID : P9704133-001

Test Code : GC/MS EPA TO-14
Analyst : Chris Casteel
Instrument : HP 5989A/Entech 7000
Matrix : Summa Canister

Date Sampled : 10/16/97
Date Received : 10/20/97
Date Analyzed : 11/3/97
Volume(s) Analyzed : 0.0010 Liter(s)

Pi 1 = -0.4
Pf 1 = 3.0

D.F. = 1.24

CAS #	COMPOUND	RESULT (UG/M3)	REPORTING LIMIT (UG/M3)	RESULT (PPB)	REPORTING LIMIT (PPB)
74-87-3	Chloromethane	ND	1,000	ND	490
75-01-4	Vinyl Chloride	47,000	1,000	19,000	390
75-00-3	Chloroethane	ND	1,000	ND	380
74-83-9	Bromomethane	ND	1,000	ND	260
67-64-1	Acetone	ND	1,000	ND	420
75-69-4	Trichlorofluoromethane	ND	1,000	ND	180
75-35-4	1,1-Dichloroethene	ND	1,000	ND	250
75-09-2	Methylene chloride	ND	1,000	ND	290
75-15-0	Carbon Disulfide	ND	1,000	ND	320
76-13-1	Trichlorotrifluoroethane	ND	1,000	ND	130
156-60-5	trans-1,2-Dichloroethene	ND	1,000	ND	250
156-59-2	cis-1,2-Dichloroethene	16,000	1,000	4,100	250
75-34-3	1,1-Dichloroethane	ND	1,000	ND	250
1634-04-4	Methyl tert-Butyl Ether	ND	1,000	ND	280
108-05-4	Vinyl Acetate	ND	1,000	ND	280
78-93-3	2-Butanone	ND	1,000	ND	340
67-66-3	Chloroform	ND	1,000	ND	210
107-06-2	1,2-Dichloroethane	ND	1,000	ND	250
71-55-6	1,1,1-Trichloroethane	ND	1,000	ND	190
71-43-2	Benzene	97,000	1,000	31,000	310
56-23-5	Carbon Tetrachloride	ND	1,000	ND	160
78-87-5	1,2-Dichloropropane	ND	1,000	ND	220

TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 11/4/97

20954 Osborne Street, Canoga Park, CA 91304 • Phone 818 709-1139 • Fax 818 709-2915

Performance Analytical Inc.
Air Quality Laboratory

RESULTS OF ANALYSIS

Client : VOC Analytical

Client Sample ID : G97-10-363-1
PAI Sample ID : P9704133-001

Test Code : GC/MS EPA TO-14
Analyst : Chris Casteel
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Date Analyzed : 11/3/97
Volume(s) Analyzed : 0.0010 Liter(s)

Pi 1 = -0.4
Pf 1 = 3.0

D.F. = 1.24

CAS #	COMPOUND	RESULT (UG/M3)	REPORTING LIMIT (UG/M3)	RESULT (PPB)	REPORTING LIMIT (PPB)
75-27-4	Bromodichloromethane	ND	1,000	ND	150
79-01-6	Trichloroethene	ND	1,000	ND	190
10061-01-5	cis-1,3-Dichloropropene	ND	1,000	ND	220
108-10-1	4-Methyl-2-pentanone	ND	1,000	ND	240
10061-02-6	trans-1,3-Dichloropropene	ND	1,000	ND	220
79-00-5	1,1,2-Trichloroethane	ND	1,000	ND	190
108-88-3	Toluene	61,000	1,000	16,000	270
124-48-1	Dibromochloromethane	ND	1,000	ND	120
591-78-6	2-Hexanone	ND	1,000	ND	240
106-93-4	1,2-Dibromoethane	ND	1,000	ND	130
127-18-4	Tetrachloroethene	ND	1,000	ND	150
108-90-7	Chlorobenzene	ND	1,000	ND	220
100-41-4	Ethylbenzene	18,000	1,000	4,100	230
75-25-2	Bromoform	ND	1,000	ND	98
100-42-5	Styrene	ND	1,000	ND	240
1330-20-7	m,p-Xylenes	73,000	1,000	17,000	230
95-47-6	o-Xylene	19,000	1,000	4,300	230
79-34-5	1,1,2,2-Tetrachloroethane	ND	1,000	ND	150
541-73-1	1,3-Dichlorobenzene	ND	1,000	ND	170
106-46-7	1,4-Dichlorobenzene	ND	1,000	ND	170
95-50-1	1,2-Dichlorobenzene	ND	1,000	ND	170

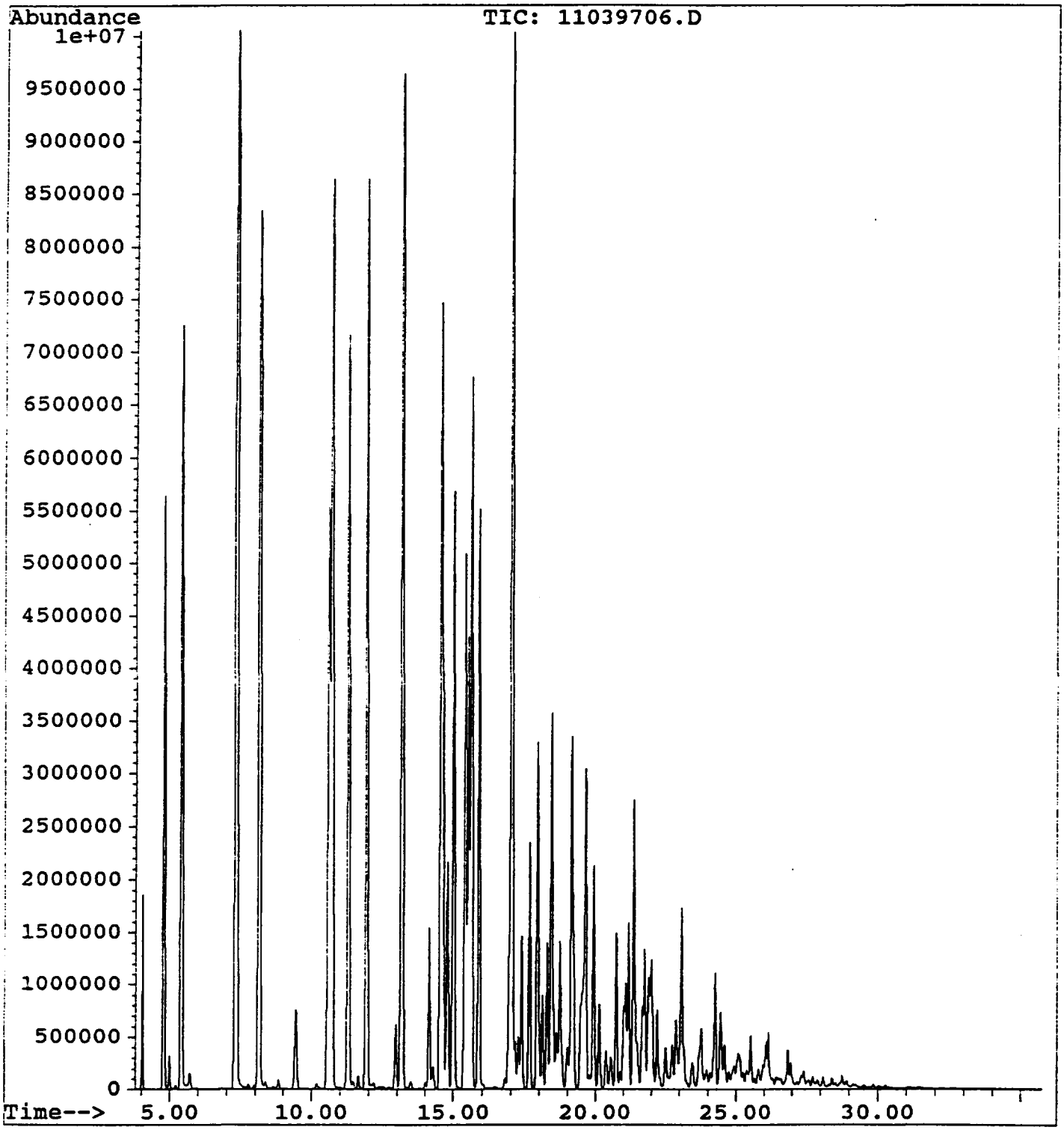
TR = Detected Below Indicated Reporting Limit
ND = Not Detected

Verified by : RG

Date : 11/4/97

22954 Osborne Street, Canoga Park, CA 91304 • Phone 818 704-1139 • Fax 818 704-2945

File : C:\HPCHEM\1\DATA\S110397\11039706.D
Operator : CJC
Acquired : 3 Nov 97 12:47 pm using AcqMethod FCTO14B
Instrument : 5989 - In
Sample Name: VOC G97-10-363-1 (1.0 ml)(-0.4,3.0)4133-001
Misc Info :
Vial Number: 1

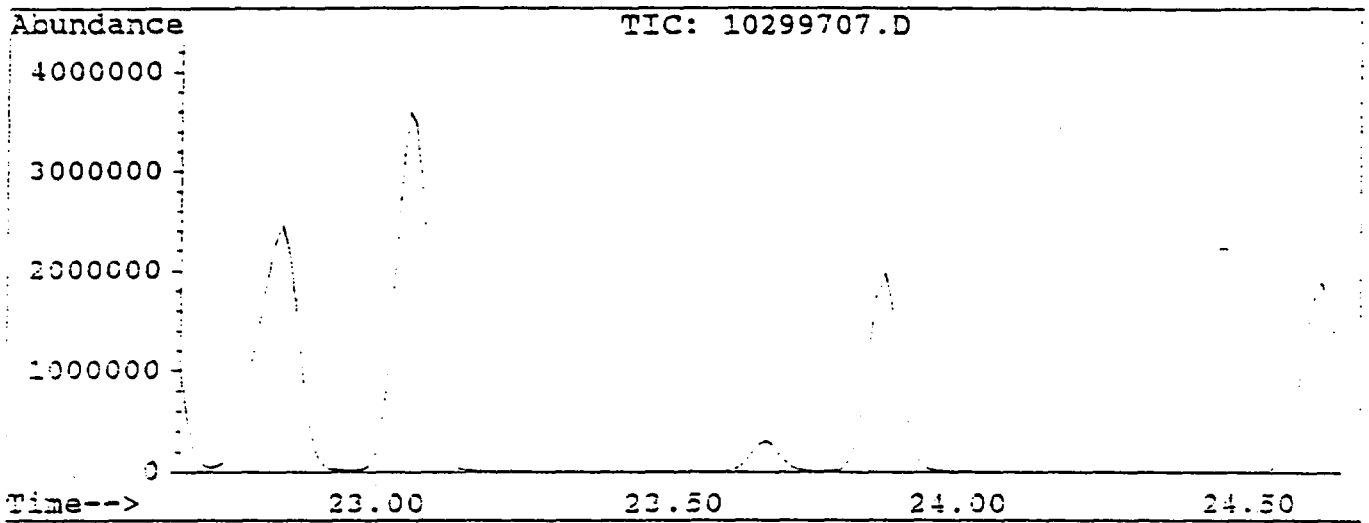


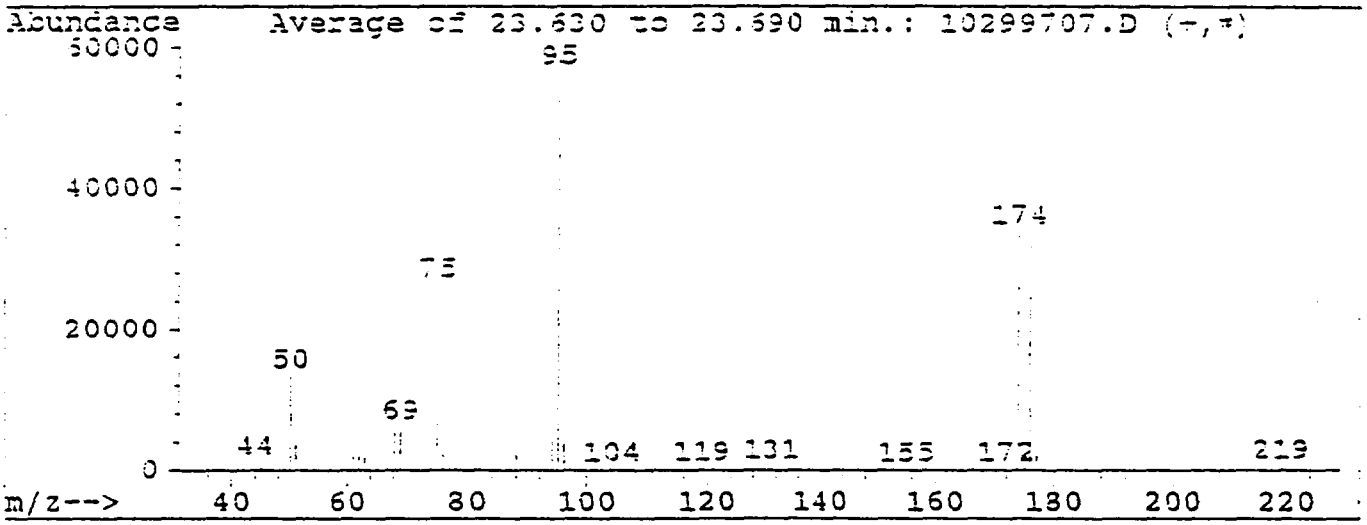
BFB

Data File : C:\HPCHEM\1\DATA\S102997\10299707.D
Acq Time : 29 Oct 97 12:43 pm
Sample : 100 NG TO-14 STD (S10299701/S10299702)
Misc :

Operator: CJC
Inst : 5989
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\FCTO14B.M
Title : EHE/BASE TO-14 MULTIPOINT CALIBRATION





Peak Apex is scan: 1974

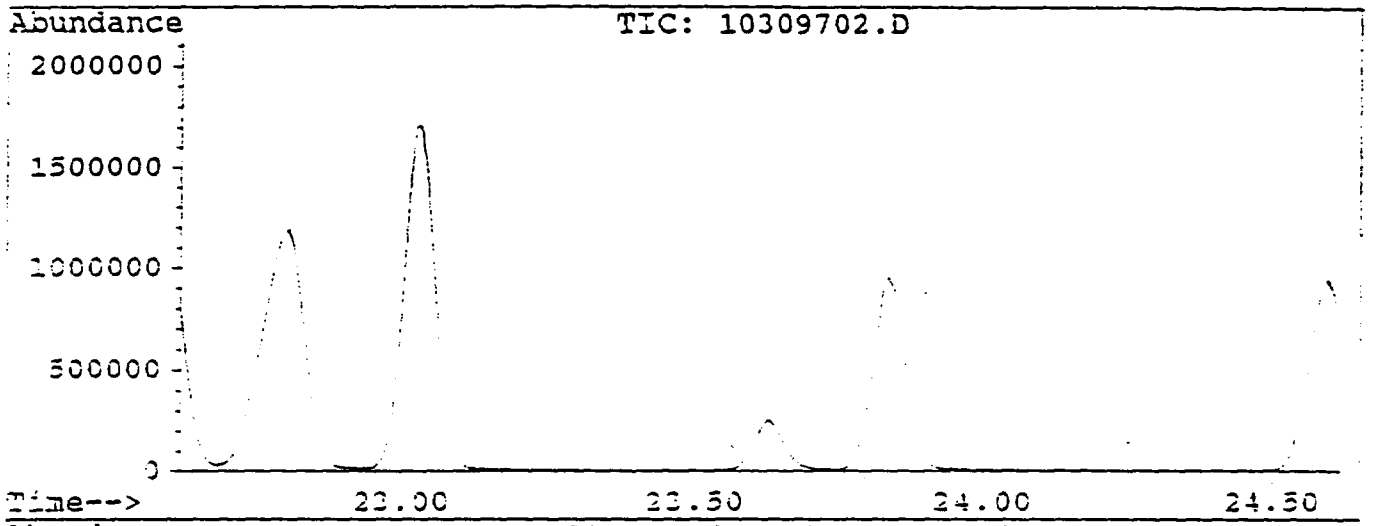
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.8	13287	PASS
75	95	30	60	45.1	26248	PASS
95	95	100	100	100.0	58149	PASS
96	95	5	9	6.3	3685	PASS
173	174	0	2	0.0	0	PASS
174	95	50	100	58.2	33829	PASS
175	174	5	9	7.1	2401	PASS
176	174	95	101	98.4	33271	PASS
177	176	5	9	6.2	2050	PASS

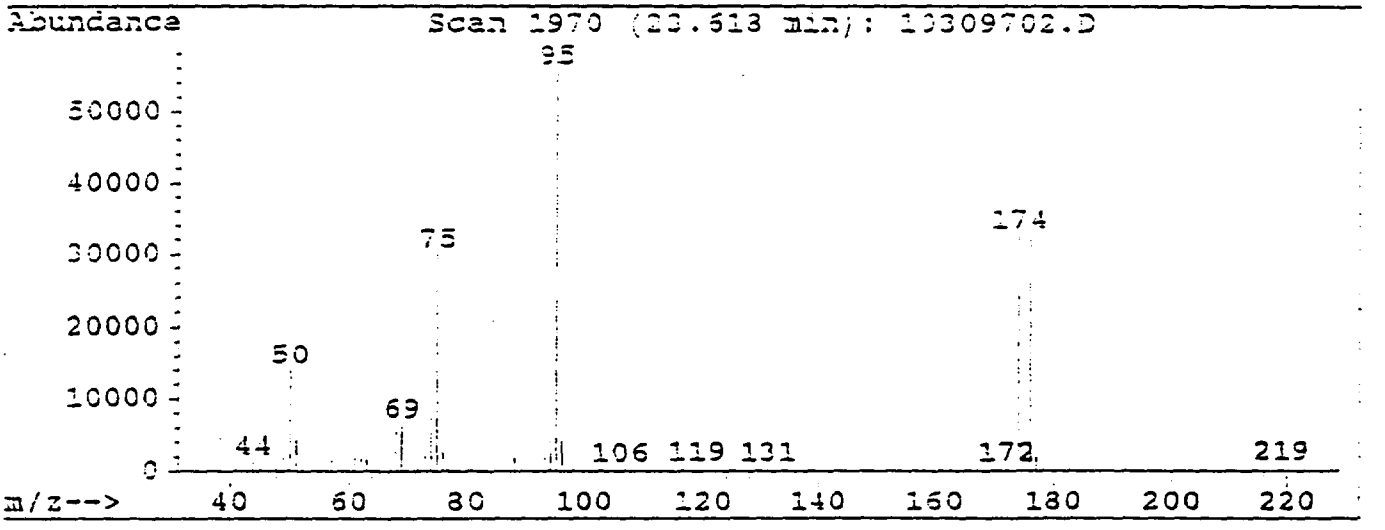
BFB

Data File : C:\HPCHEM\1\DATA\S103097\10309702.D
Acq Time : 30 Oct 97 7:55 am
Sample : 50 NG TO-14 STD (S10299701/S010299702)
Misc :

Operator: CJC
Inst : 5989 - I
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\FCTO14B.M
Title : EHE/BASE TO-14 MULTIPOINT CALIBRATION





Peak Apex is scan: 1970

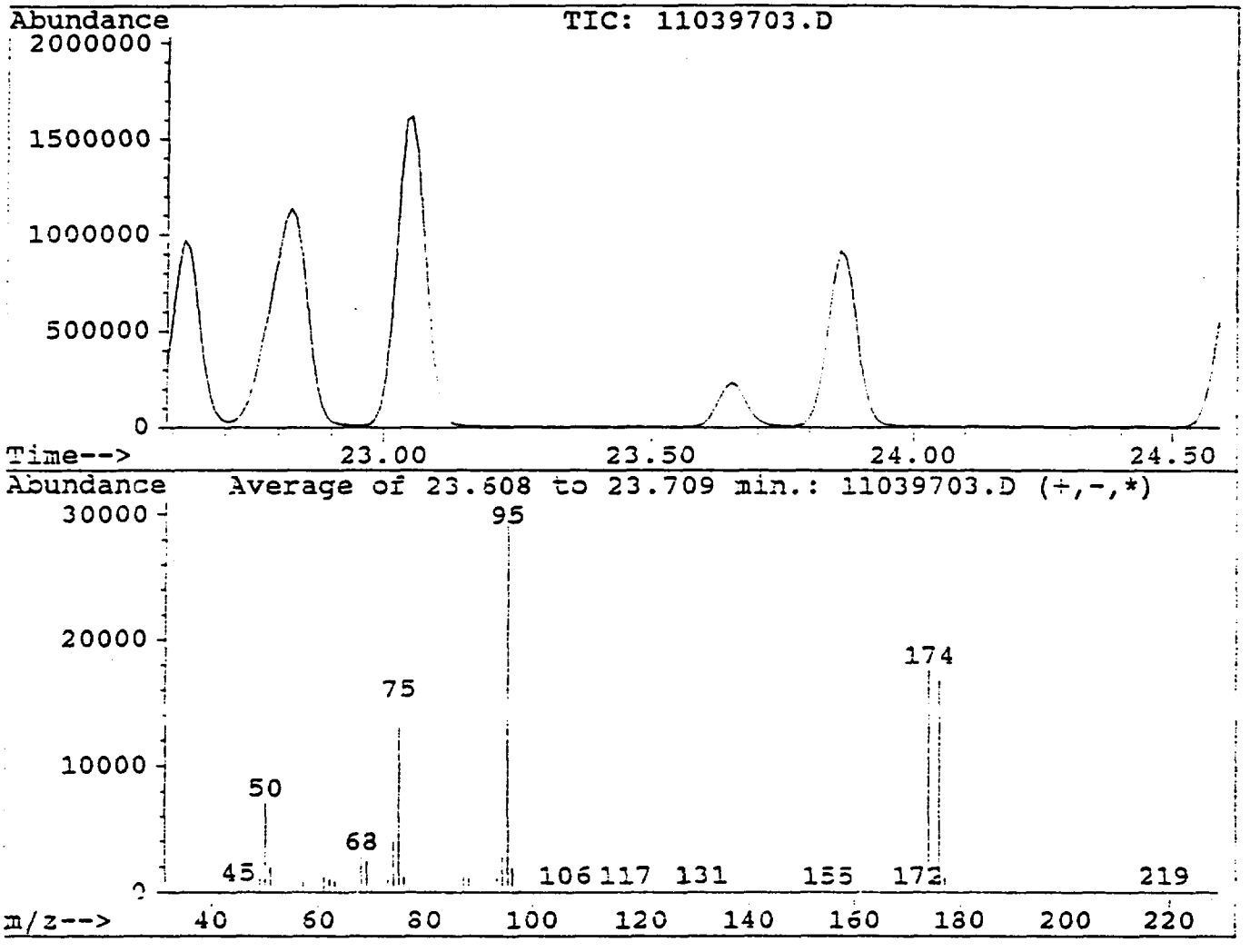
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	24.3	13888	PASS
75	95	30	60	52.3	29880	PASS
95	95	100	100	100.0	57104	PASS
96	95	5	9	7.2	4138	PASS
173	174	0	2	0.0	0	PASS
174	95	50	100	57.0	32568	PASS
175	174	5	9	7.8	2530	PASS
176	174	95	101	98.6	32120	PASS
177	176	5	9	6.0	1928	PASS

BFB

Data File : C:\HPCHEM\1\DATA\S110397\11039703.D
Acq Time : 3 Nov 97 9:46 am
Sample : 50 NG TO-14 STD (S10299701/S10299702)
Misc :

Operator: CJC
Inst : 5989 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\FCTO14B.M
Title : EHE/BASE TO-14 MULTIPOINT CALIBRATION



Peak Apex is scan: 1967

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	23.9	7054	PASS
75	95	30	60	50.2	14846	PASS
95	95	100	100	100.0	29557	PASS
96	95	5	9	6.6	1947	PASS
173	174	0	2	0.1	15	PASS
174	95	50	100	59.4	17545	PASS
175	174	5	9	7.9	1383	PASS
176	174	95	101	95.6	16767	PASS
177	176	5	9	6.8	1142	PASS

CHAIN OF CUSTODY RECORDS

Performance Analytical Inc.
Air Quality Laboratory

20954 Osborne
Canoga Park, California 91304
Phone 818 709-1139
Fax 818 709 2915

Chain of Custody Record
Analytical Services Request

Client/Project Name	Address/Phone	ANALYSES	PAI Project No.
VOC Analytical	801 Western Ave. Glendale, CA 91201 (818) 247-5737		P9704133
Project Location	Client Project No.		
Contact: Roobik Yaghoubi	Sampler (Signature):	P.O. No.:	

	Sample Identification No.	Date	Time	Lab Sample No.	Type of Sample	TO-14	Methane (25:1)					Expected Turnaround Time	Remarks
38	G97-10-363#1	10/16/97		-001	Air	X	X						Needs Data Package level IV

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
R. Yaghoubi	10-20-97	09:00	Marie E. Nicholson	10-20-97	9:00 AM
Marie E. Nicholson	10-20-97	11:10 AM	Simon Mayuoski	10-20-97	11:10 AM
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Disposal Method	
Disposed by: (Signature)	Date / Time

White Copy : Accompanies Samples

Yellow Copy : Sampler

APPENDIX L

PHASE II - RESERVOIR INTERIOR TEST TRENCH EXCAVATION
REPORT OF FINDINGS
WASTE DISPOSAL, INC. SUPERFUND SITE

TRC

TRC *Environmental Solutions Inc.*

PHASE II - RESERVOIR INTERIOR TEST TRENCH EXCAVATION REPORT OF FINDINGS (Rev. 0)

WASTE DISPOSAL, INC. SUPERFUND SITE SANTA FE SPRINGS, CALIFORNIA

Prepared for

United States Environmental Protection Agency

Prepared by

TRC

Irvine, California

Representing

Waste Disposal, Inc. Group (WDIG)

Project No. 94-256
October 1998

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APPENDIX B: TRENCHING LOGS
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All TRC paper is recyclable and made from recycled paper.

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1.0 INTRODUCTION

1. This Report of Findings (ROF) has been prepared to summarize the activities conducted at the Waste Disposal, Inc. (WDI) Superfund site as outlined in the Revised Phase II Workplan - Reservoir Interior Test Trench Excavation report, dated August 31, 1998. This Phase II Workplan was approved by the U.S. Environmental Protection Agency (EPA) in September 1998. Prior to the initiating Phase II Workplan, EPA performed additional trenching investigations within the reservoir boundary to examine the integrity of the reservoir.

2. The following activities were conducted according to the scope of work:
   - Excavation of three test trenches.
   - Installation of two piezometers in two of the three test trenches.
   - Paint filter tests performed on subsurface samples collected during trenching.
   - Monitoring liquid levels in riser pipes.

   The purpose of these activities was to assist in determining the location of liquids (free and aqueous phase) within the buried reservoir at the WDI site. The specific objectives for each of these activities were as follows:
   - Observe the liquid conditions in the fill and waste material.
   - Measure the release rates of the liquids encountered in the test trench.
   - Measure the change in liquid levels and quantities over time.
   - Observe the physical behavior of the waste material.
   - Measure the production values for the trench work.

3. The activities performed by EPA during their trenching investigations, outlined in *Field Procedures for WDI Site, Perched Liquids Characterization - Phase I Reservoir Integrity and Exterior Area Test Pit Excavation*, dated August 21, 1998, will be reported in a document currently being prepared by EPA's Environmental Response Team (ERT). The observations made by WDIG during the Phase I and II investigations will be incorporated in the RD Investigative Activities Report and Supplemental Feasibility Study.

4. The remainder of this ROF is organized in the following sections:
   - Section 2.0 - Test Trench Activities Performed
   - Section 3.0 - Findings
   - Section 4.0 - Conclusions and Recommendations

2.0 TEST TRENCH ACTIVITIES PERFORMED

1. This section summarizes the test trenching activities completed during September 1998 by the Waste Disposal, Inc. Group (WDIG). This section describes how these activities were implemented and discusses changes to the planned scope of work that occurred due to field conditions and observations.

2. The scope of work completed during trenching activities included the following sequence of events:
   - Excavated Test Trench II-1 in the central portion of the reservoir and installed one piezometer (PII-1A).
   - Excavated Test Trench II-2 in the northern portion (12:00 o'clock position) of the reservoir and installed one piezometer (PII-2A).
   - Excavated Test Trench II-3 in the southern portion (6:00 o'clock position) of the reservoir.
   - Monitored liquid levels in the piezometers.

3. As tasks described in the Phase II Workplan were executed, some of the specifics were modified, with EPA concurrence, to suit field observations and conditions. The following paragraphs discuss each of the activities performed and field changes made.

4. Excavation of three test trenches (Test Trench II-1, -2 and -3) was performed within the boundaries of the buried reservoir. The locations of the trenches are shown in Figure 1. Appendix A contains the survey data for the Phase I and II trenching activities. Figures 2 through 4 illustrate the subsurface conditions encountered during the trenching activities and the construction details of the piezometers installed. Appendix B contains copies of the field trench logs and construction details of the piezometers.

5. Test Trench II-1 was excavated near existing reservoir liquids extraction wells and monitoring probes (i.e., EX-2, VW-09 and P-2) installed during TM No. 6 activities[1]. This location was selected based on previous observations made during TM No. 6 field activities. This location was also selected because it could be assumed that most liquids would tend to migrate toward the central position of the reservoir. The trench was excavated using a track mounted excavator to approximately 20 feet (ft) in length, 4 ft in width, and 20 ft in depth.

---

[1] TRC. Interim Report of Findings, Technical Memorandum No. 6 Reservoir Liquid Testing. July 1998.

6. Cuttings generated from Test Trench II-1 were separated into two separate stockpiles (fill and waste material) adjacent to the trench. The waste material was stockpiled on a plastic liner and sprayed with a vapor suppressant, BioSolve™, to help control vapors emanating from the trench and cuttings (see Appendix C for Biosolve™ information). The total depth of the trench extended to the bottom of the reservoir (approximately 20 feet). However, due to the characteristics of the waste material (soft, low shear strength), the trench walls collapsed to approximately 15 feet from the surface. Piezometer PII-1A was then installed at a total depth of 15 feet in the central portion of the trench to monitor the liquids zone encountered at 9.5 feet below ground surface (bgs) (see Figure 2). The pipe was screened from 10 to 15 feet and a gravel filter pack was placed to 9 feet bgs. The remaining portion of the trench was backfilled with the cuttings with 2 feet of clean fill overlying the waste material. A detailed description of the physical conditions encountered during trenching is provided in Section 3.0.

7. Test Trench II-2 was located within the northern portion of the reservoir boundary, at approximately the same location as EPA's Trench-2. The location of Test Trench II-2 was chosen based on previous information observed during EPA's trenching (i.e., liquids encountered at approximately 9.5 feet bgs) and TM No. 6 piezometer data. The trench was excavated using the same procedures as described for Test Trench II-1. The trench dimensions were approximately 22 feet in length, 8 feet in width and 15 feet in depth (see Figure 3). Similar conditions were encountered with the fill and waste material as Test Trench II-1 (i.e., characteristics of the material and the caving of the trench walls). A piezometer PII-2A was installed at a depth of 11.5 feet with 5 feet of screen. A detailed description of the physical conditions encountered during trenching is provided in Section 3.0.

8. The volume of gravel used to construct the piezometer in Test Trench II-2 displaced the volume of waste material generated from trenching, thus resulting in the waste material to be backfilled to the surface. Under the supervision of EPA, approximately 20 cubic yards (cy) of waste material was reexcavated and placed into a lined roll-off bin. The trench was then backfilled with 3 feet of fill above the waste material. The cuttings in the roll-off bin will be disposed during TM No. 11 Reservoir Grading and Waste/Debris Management field activities.

9. Test Trench II-3 was located at the southern portion of the reservoir boundary. This location was agreed upon by EPA and WDIG. The original proposed location was between the 1:00 and 2:00 position on the reservoir where liquids were encountered during EPA's trenching activities. However, due to time constraints and the lack of data in the southern portion, this

location was selected. Test Trench II-3 was excavated to 30 feet in length, 4 feet in width and 20 feet in depth (see Figure 4). Caving of the waste material from the trench walls also occurred which prevented the trench from remaining open to the bottom of the reservoir. A piezometer was not constructed in this trench since the liquids characteristics were not similar (i.e., volume of liquids observed) to Test Trenches II-1 and -2. A detailed description of the findings during trenching is provided in Section 3.0.

10. Grab samples of each subsurface layer encountered were collected using the excavator bucket in each trench. Paint filter tests were then performed on these samples following EPA Method 9095. Appendix D contains the procedures used to perform this test. The results of the paint filter tests are discussed in Section 3.0.

11. The trenching activities were performed following EPA's Health and Safety Plan, which was appended in EPA's Phase I workplan dated August 21, 1998.

3.0 FINDINGS

1. The stratigraphy of the reservoir materials was relatively consistent in all three test trenches. A silty sand to sandy silt fill soil layer of approximately 8 to 10 feet thick lies over an approximately 15-foot layer of black stained clays which comprise the waste material. Test Trenches II-1 and -2 had an increase in the size and content of debris (i.e., broken concrete) compared to other investigative areas within the reservoir during Phase I and II field activities. The top 8 feet of fill material was dry and compacted in all three test trenches. Liquids were observed in Test Trenches II-1 and -2 at the transition zone of the fill and waste material (approximately 9.5 feet bgs). The findings in Test Trench II-2 were consistent with EPA Phase I-Trenching. Test Trench II-3 did not encounter similar liquid conditions. The volume of liquids observed in Test Trench II-3 was minimal and did appear to warrant the construction of a piezometer.

2. Liquids encountered in Test Trenches II-1 and -2 flowed into the trenches at a constant rate of approximately less than 0.5 gallons per minute (gpm) for a limited period. The liquids appeared to be flowing from a perched zone located in the fill and waste material transition zone. Small seeps also appeared on the walls of the trench in the waste material, but were not generating a significant volume of liquid (i.e., pooling of liquids was not observed in the trenches).

3. Liquid level data collected for a pump test from nearby wells show a slight decrease in elevation (approximately 0.4 inches) following trenching activities at Test Trench II-2. This decrease in elevation may have been influenced by the trenching activities. According to the data the nearby wells have not recovered to the static level measured prior to trenching.

4. The presence and thickness of free product also varied in the trenches compared to existing monitoring wells. Floating free product was not encountered in the trenches. However, a sheen was observed on the water flowing into the trenches. Data collected from reservoir liquids extraction wells and monitoring probes, located approximately 5 to 10 feet from the trench, indicated a layer of floating product, ranging from 0.2 inches to 1.7 feet.

5. Liquid levels were monitored in Piezometers PII-1A and -2A, as well as existing nearby monitoring wells, and are shown in Table 1. The liquids measured in existing monitoring wells, located within 10 feet of the two trenches (i.e., EX-2, P-1, VW-09, DNP-1 and SNP-1), have liquid levels inconsistent with the levels observed in the trenches. The difference in liquid levels between the wells and the trenches is approximately 7 feet, while the largest difference between the wells is approximately 5 feet.

6. Paint filter test results from the three test trenches indicate that there were no "free liquids," as defined in Title 22 of CCR, in the fill or waste material. Table 2 presents the results for the paint filter test.

7. The following observations were made with respect to the composition and characteristics of the fill and waste material during excavation:
   - The fill material was compacted, and contained large pieces of debris (i.e., broken concrete) which made trenching difficult.
   - The volume of material excavated from the trench increased as the debris was removed. The walls of the trench would begin to collapse making the work area unsafe.
   - The waste material was soft and saturated causing the walls of the trench to collapse. This also increased the volume of material excavated and slowed production of the trench.

8. Test Trenches II-1 and -3 were trenched to the bottom of the reservoir (~20 feet bgs). However, due to the conditions noted above (i.e., caving of trench walls), the trench

(depths >15 feet below ground surface) did not remain open for a long period of time. It is important to note that liquids did not pool in the trench at depths >15 feet, including the trench completed to the bottom of the reservoir.

9. A detailed time log was recorded documenting the time to perform the activities for each trench. It is important to note that several conditions impeded the production of trenching:
   - Health and Safety issues and monitoring
   - Physical behavior of fill and waste material
   - Composition of the fill

   Table 3 presents a detailed time log for each trench. The time log indicates the following trench production rates in the reservoir:
   - Fill: Approximately 30 cubic yards per hour
   - Waste: Approximately 8 cubic yards per hour

4.0 CONCLUSIONS

1. In order to further investigate the liquids characteristics WDIG excavated several trenches within the reservoir boundary. WDIG's findings indicate that there is a tremendous variability in the liquids characteristics within the reservoir. This is also demonstrated by the data collected during TM No. 6 activities. The fill material consisted of a silty sand to sandy silt layer intermixed with wood and concrete debris. The waste material consisted of black stained clays. The observations made during these field activities may have ramifications pertaining to the scope of future work. The hydraulic characteristics of liquids within reservoir boundary are extremely heterogeneous. Pump tests (TM No. 6) and trenching activities have not conclusively demonstrated that the liquids in this fill soil layer can be effectively extracted using wells or pumped using trenches.

2. One of the purposes of performing the trenching activities was to demonstrate whether trenching was feasible to extract liquids from the reservoir. It is our preliminary opinion that trenching, consistent with well extraction, is not a viable approach to extracting liquids from the reservoir.

TABLE 1

RESERVOIR LIQUID LEVELS NEAR PHASE II TEST TRENCH LOCATIONS WASTE DISPOSAL, INC. SUPERFUND SITE

MONITORING LOCATIONS(1)	MONITORING DATE AND DEPTH TO LIQUIDS(1) (ft)			
	9/1/98	9/2/98	9/4/98	9/18/98
Test Trench II-1 Area				
• PII-1A	9.5	13.14	12.75	12.76
• EX-2	—	12.40	—	10.63
• VW-09	—	—	—	8.33
• P-1	—	—	—	7.64
• P-2	—	4.39	—	4.88
Test Trench II-2 Area				
• PII-2A	—	9.5	13.33	10.32
• NDP-1	—	5.99	5.60	6.15
• NSP-1	—	—	—	6.34
• NDP-2	—	4.81	4.80	6.54
• NSP-2	—	—	—	6.16

94-256/Rpts/DrPh2ReInTeTr (10/16/98/ey)

--- Not measured

(1) See Figure 1 for monitoring locations.

TRC

TABLE 2

PAINT FILTER TEST RESULTS
WASTE DISPOSAL, INC. SUPERFUND SITE

DATE SAMPLED	SAMPLE INTERVAL (feet)	VOLUME OF SAMPLE COLLECTED (mL)	TEST START TIME (hh:mm)	TEST FINISH TIME (hh:mm)	TEST RESULTS(1) (ml)
Test Trench II-1					
9/1/98	0 to 2	100	11:39	11:44	0
	2 to 5	100	11:55	12:00	0
	5 to 8	100	14:03	14:08	0
	8 to 10	100	14:10	14:15	0
	11 to 12	100	14:25	14:30	0
	12 to 14	100	15:20	15:25	0
Test Trench II-2					
9/2/98	0 to 5	100	09:37	09:42	0
	5 to 10	100	09:52	09:57	0
	10 to 12	100	10:17	10:22	0
Test Trench II-3					
9/3/98	0 to 5	100	11:05	11:10	0
	5 to 10	100	11:13	11:18	0
	10 to 15	100	11:30	11:35	0

94-256/Rpts/DrPh2ReInTeTr (10/16/98/ey)

(1) Volume of liquids collected in graduated cylinder.

Note: Testing was performed following EPA Method 9095.

TRC

TABLE 3

LOG OF TEST TRENCH FIELD ACTIVITIES
WASTE DISPOSAL, INC. SUPERFUND SITE

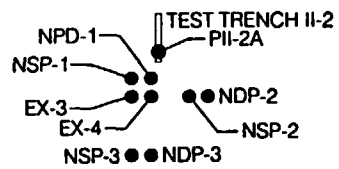
TIME	DIMENSION OF TRENCH	COMMENTS
Test Trench II-1		
11:18	–	Start excavation of fill material only.
11:54	30' L x 5' D	Stop work to change excavation equipment.
13:35	30' L x 5' D	Resume excavation activities.
13:52	10' L x 8' D	Stop for Health and Safety purposes (upgrade to modified Level C).
13:57	10' L x 8' D	Resume excavation activities.
14:25	10' L x 12' D	Liquid encountered at 9.5 feet. Removing concrete pieces.
14:40	10' L x 12' D	Stop for Health and Safety purposes (break).
15:13	10' L x 12' D	Resume excavation activities.
15:32	10' L x 20' D	Bottom. Saturated Sump-Like Material. Gray Color. Cleaning Bottom of Trench. Material caving in the trench from both sides of trench wall (at approximately 10' and deeper).
15:53	10' L x 15' D	Material continue to collapse into trench. Stop cleaning trench.
16:25	–	Begin installing 4-inch PVC (vertical) in the trench.
19:30	–	Completed pipe installation and backfilling.
Test Trench II-2		
09:00	–	Start Trenching.
09:05	10' L x 6' D	Encountered impacted soil at ~5 feet. Stop to prepare stockpile area.
09:30	10' L x 6' D	Resume excavation activities.
09:45	10' L x 10' D	Trench walls caving when removing large pieces of concrete. Observed liquids at 10 feet.
10:17	24' L x 12' D	Materials caving in from both sides of trench wall at approximately 10 feet and deeper.
10:45	–	Stop for Health and Safety purposes. Materials continue to cave into the trench.
13:00	–	Resume excavating activities.
13:15	–	Stop excavating trench. Install 4-inch PVC well.
15:15	–	Finish backfilling.
Test Trench II-3		
10:43	–	Start trenching.
11:00	15' L x 15' D	Liquids at approximately 11 feet.
11:22	30' L x 20' D	Stop due to caving of material from trench walls.
12:00	30' L x 20' D	Start backfilling
12:45	–	Finish backfilling

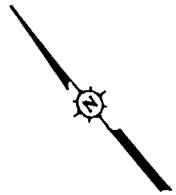
94-256/Rpts/DrPh2ReInTeTr (10/16/98/mc)

-- Not Applicable

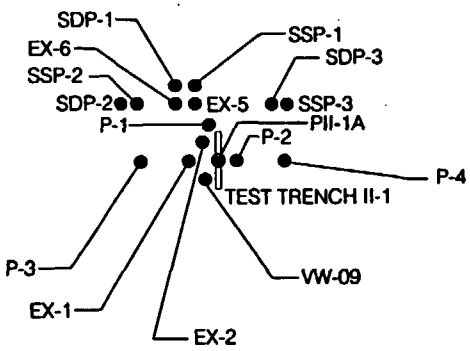
TRC

AREA 2





RESERVOIR BOUNDARY



TEST TRENCH II-3

LEGEND

- WDIG TEST TRENCH LOCATION
- TM NO.6 MONITORING WELL LOCATION
- PIEZOMETER INSTALLED IN TRENCH

0 100 200 FEET

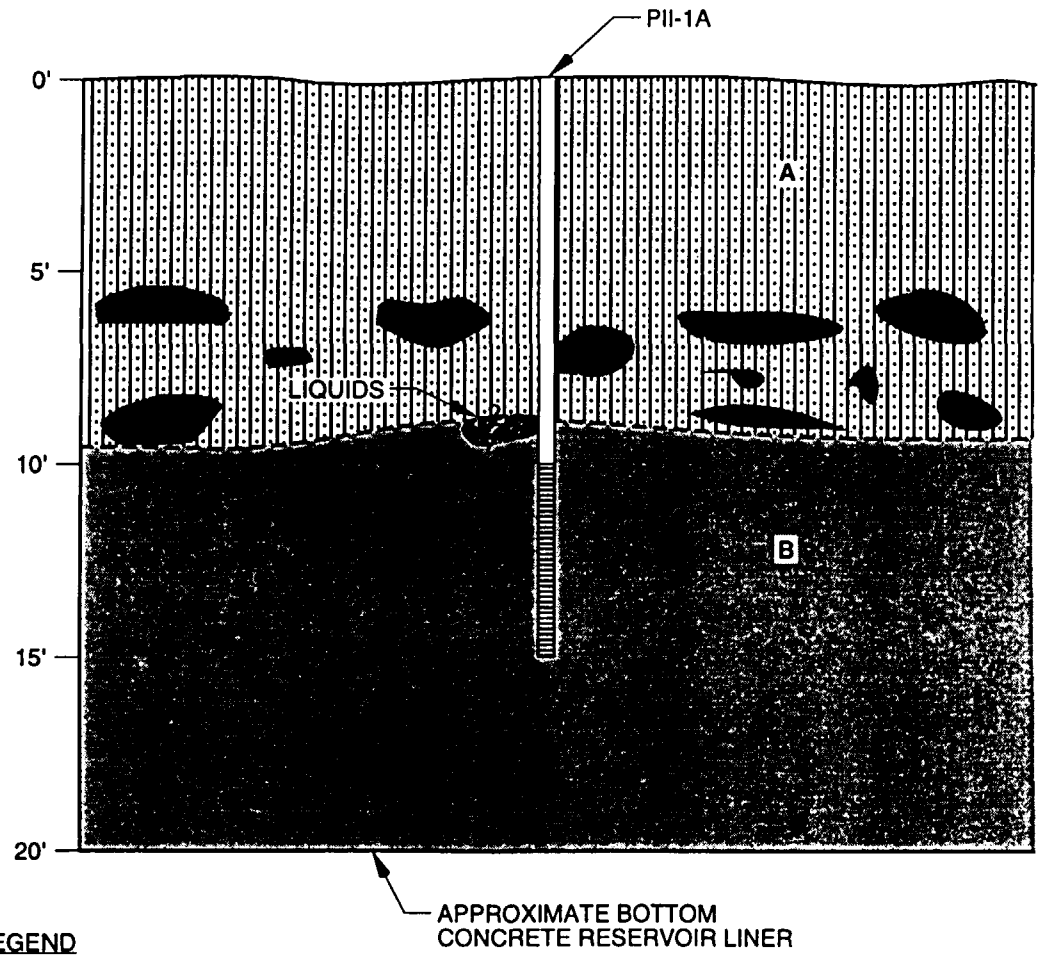
SCALE

TEST TRENCH AND PIEZOMETER LOCATIONS

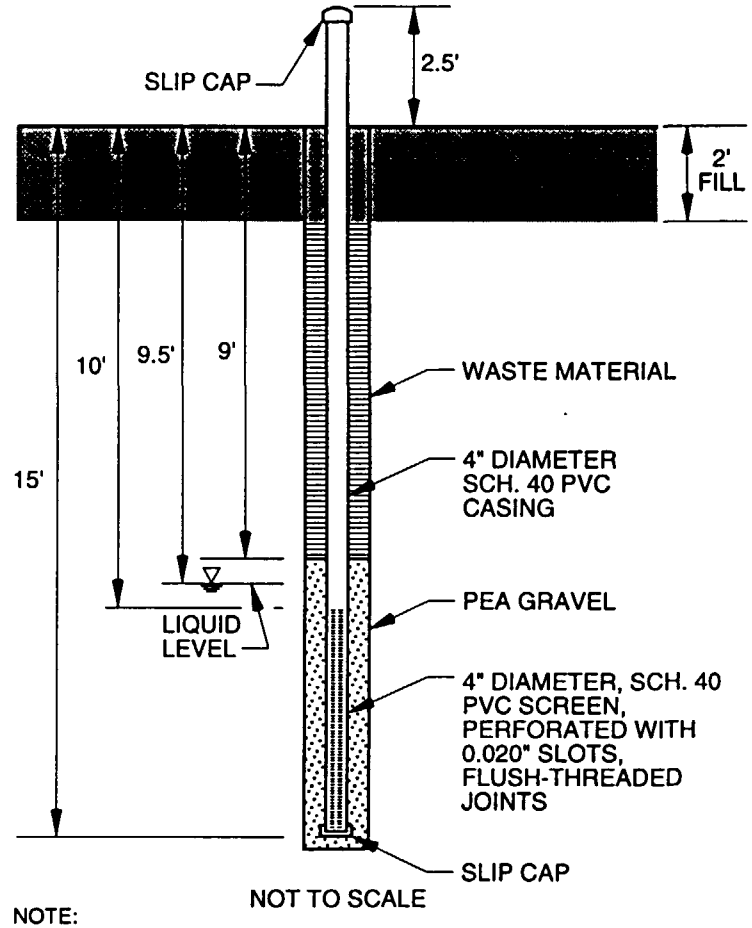
WASTE DISPOSAL INC.
SANTA FE SPRINGS, CALIFORNIA

TRC | FIGURE 1

TEST TRENCH II-1 LOOKING EAST



PIEZOMETER CONSTRUCTION DETAILS



NOT TO SCALE

NOTE:
1. COULD NOT SUSTAIN A DEPTH GREATER THAN 15 FEET DUE TO THE CAVING OF THE TRENCH WALLS.
2. GRAVEL PACK AROUND PIEZOMETER VARIES IN PARTICLE SIZE AND WAS PLACED IN THE TRENCH USING A FRONT-END LOADER.

LEGEND

A SILTY SAND, BROWN, MEDIUM TO FINE SAND, DRY TO SLIGHTLY MOIST, TRACE OF FINE GRAVEL (FILL)

B SILTY CLAY, DARK GRAY, SATURATED, STRONG ODOR, STAINED (WASTE MATERIAL)

CONCRETE AND WOOD DEBRIS

0 4 8 FEET
HORIZONTAL SCALE

0 5 10 FEET
VERTICAL SCALE

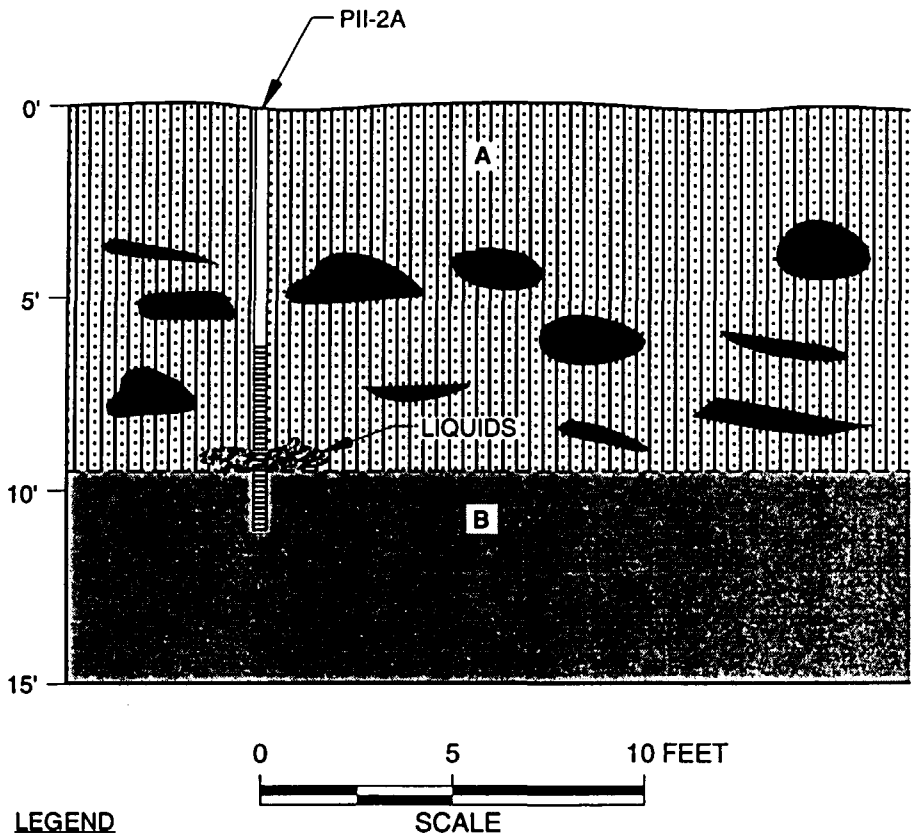
TEST TRENCH II-1
CROSS SECTION AND PIEZOMETER CONSTRUCTION DETAILS

WASTE DISPOSAL INC.
SANTA FE SPRINGS, CALIFORNIA

TRC

FIGURE 2

TEST TRENCH II-2 LOOKING WEST



LEGEND

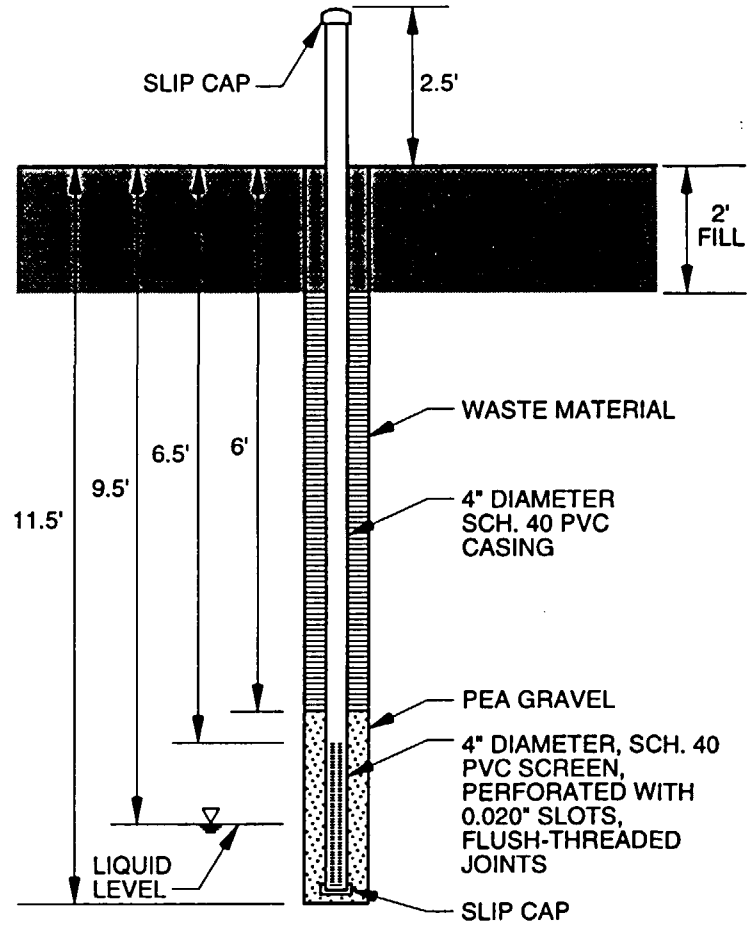
A SILTY SAND, BROWN, MEDIUM-FINE GRAINED, DRY TO SLIGHTLY MOIST, NO ODOR, NO STAINING (FILL)

B SILTY CLAY, BLACK TO OLIVE GREEN, SATURATED, STRONG ODOR, STAINED, MOIST (WASTE MATERIAL)

CONCRETE AND WOOD DEBRIS

NOTE:
1. COULD NOT SUSTAIN A DEPTH GREATER THAN 15' DUE TO CAVING OF THE TRENCH WALLS.
2. LIQUID ENCOUNTERED AT 9.5'.
3. WIDTH OF TRENCH IS 8' ACROSS THE CENTER DUE TO MATERIALS CAVING FROM TRENCH WALLS.
4. GRAVEL PACK AROUND PIEZOMETER VARIES IN PARTICLE SIZE AND WAS PLACED IN THE TRENCH USING A FRONT-END LOADER.

PIEZOMETER CONSTRUCTION DETAILS



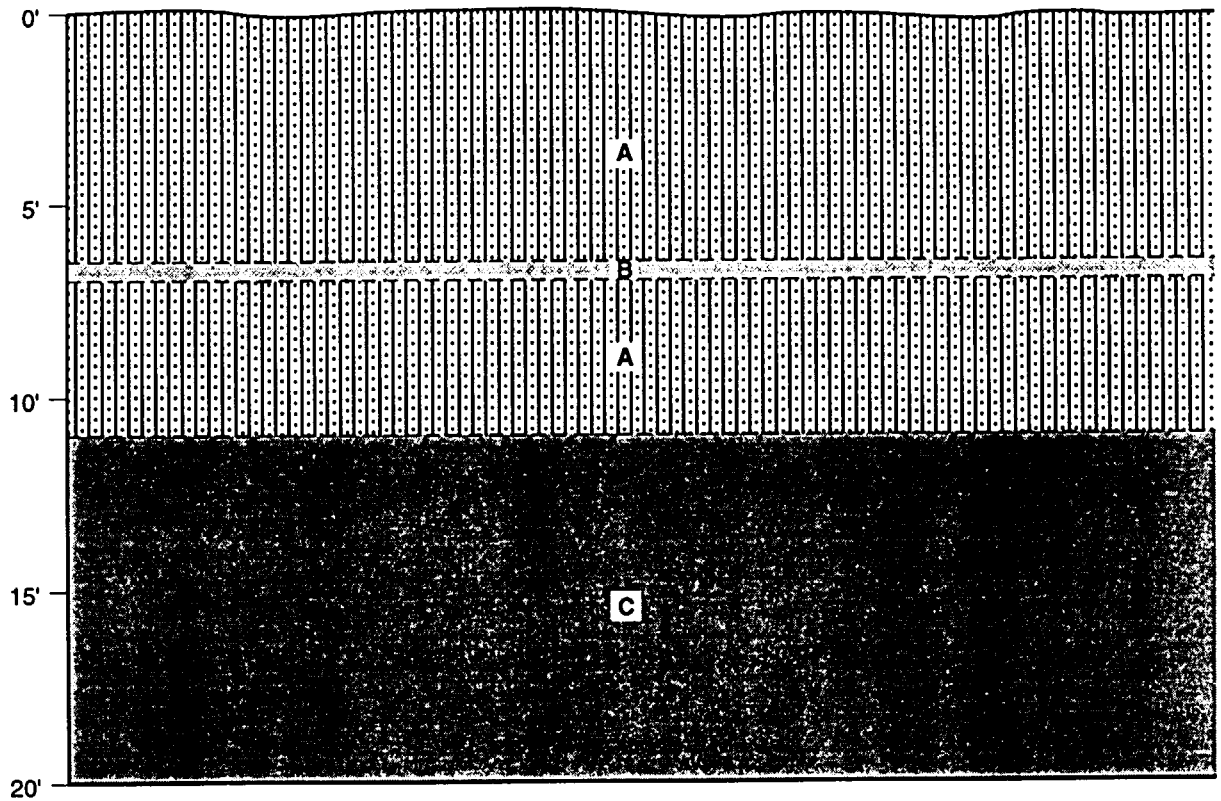
NOT TO SCALE

TEST TRENCH II-2
CROSS SECTION AND PIEZOMETER CONSTRUCTION DETAILS

WASTE DISPOSAL INC.
SANTA FE SPRINGS, CALIFORNIA

TRC | FIGURE 3

TEST TRENCH II-3
LOOKING EAST



LEGEND

- **A** SILTY SAND, BROWN, FINE TO MEDIUM GRAINED, TRACE OF GRAVEL, DRY (FILL)
- **B** THIN FRACTURED CONCRETE LAYER (~6" THICK)
- **C** SILTY CLAY, BLACK TO OLIVE GREEN, SATURATED, STRONG ODOR, MOIST (WASTE MATERIAL)

NOTE:
1. COULD NOT SUSTAIN A DEPTH GREATER THAN 14 FEET DUE TO CAVING OF THE TRENCH WALLS.

0 5 10 FEET
SCALE

TEST TRENCH II-3
CROSS SECTION

WASTE DISPOSAL INC.
SANTA FE SPRINGS, CALIFORNIA

TRC

FIGURE 4

APPENDIX A

WDIG/EPA TRENCH SURVEY DATA

EPA TRENCHING

POINT #	NORTHING	EASTING	LATITUDE	LONGITUDE	ELEV	DESC
1	4094297.5183	4270654.9651	33-56-59.7339	118-03-23.3530	164.98	8:00-A
2	4094296.2873	4270561.5681	33-56-59.7242	118-03-24.4616	165.73	8:00-B
3	4093989.6838	4271006.7578	33-56-56.6791	118-03-19.1871	165.13	4:00-A
4	4093967.5445	4271018.5395	33-56-56.4597	118-03-19.0480	164.25	4:00-B
5	4093946.8789	4271150.8893	33-56-56.2517	118-03-17.4776	162.95	3:15
6	4093987.3521	4271187.3117	33-56-56.6511	118-03-17.0440	164.47	3:00-D
7	4094009.0899	4271183.0009	33-56-56.8663	118-03-17.0945	164.41	3:00-C
8	4094034.3463	4271156.4735	33-56-57.1169	118-03-17.4085	164.94	3:00-B
9	4094059.1130	4271130.2708	33-56-57.3626	118-03-17.7188	165.85	3:00-A
10	4094234.7018	4271219.9875	33-56-59.0972	118-03-16.6481	166.52	2:00
11	4094281.3911	4271215.9648	33-56-59.5592	118-03-16.6944	166.70	1:30
12	4094336.3139	4271209.7104	33-57-00.1027	118-03-16.7668	166.74	1:00
13	4094444.1494	4271160.6649	33-57-01.1708	118-03-17.3455	168.15	12:15
14	4094477.2760	4271107.3705	33-57-01.5000	118-03-17.9771	167.41	12:00
15	4094236.6392	4270958.0563	33-56-59.1234	118-03-19.7572	166.04	0:00
500	4093192.3418	4271060.0265	33-56-48.7897	118-03-18.5806		CP
501	4094190.8500	4269850.1500	33-56-58.7001	118-03-32.9096		CP

AREA 2, WDIG Trenches

POINT #	NORTHING	EASTING	LATITUDE	LONGITUDE	ELEV	DESC
43	4094477.2760	4271107.3705	33-57-01.5000	118-03-17.9771	167.41	TTII-2
44	4094458.8749	4271094.3454	33-57-01.3183	118-03-18.1323	167.78	PII-2A
61	4094212.1873	4270939.7445	33-56-58.8820	118-03-19.9754	166.23	TTII-1
62	4094198.2431	4270925.2680	33-56-58.7445	118-03-20.1476	166.57	PII-1A
63	4094077.2477	4270777.1678	33-56-57.5515	118-03-21.9095	167.92	TTII-3

APPENDIX B

TRENCHING LOGS

TRC

LENGTH 26'	TRENCH NO. Test TRENCH-II-1	SHEET 1 OF ___
WIDTH 4'	COORDINATES	N NM
DEPTH 20' deep		E NM
Backfilled to 15'	FIELD ENGINEER/ GEOLOGIST A. Isaly / Win Aung	DATE BEGAN 9/1/98
	EDITED BY ___	DATE FINISHED 9/1/98
	CHECKED BY A. Isaly	GROUND SURFACE EL. NM

DESCRIPTION AND NOTES:

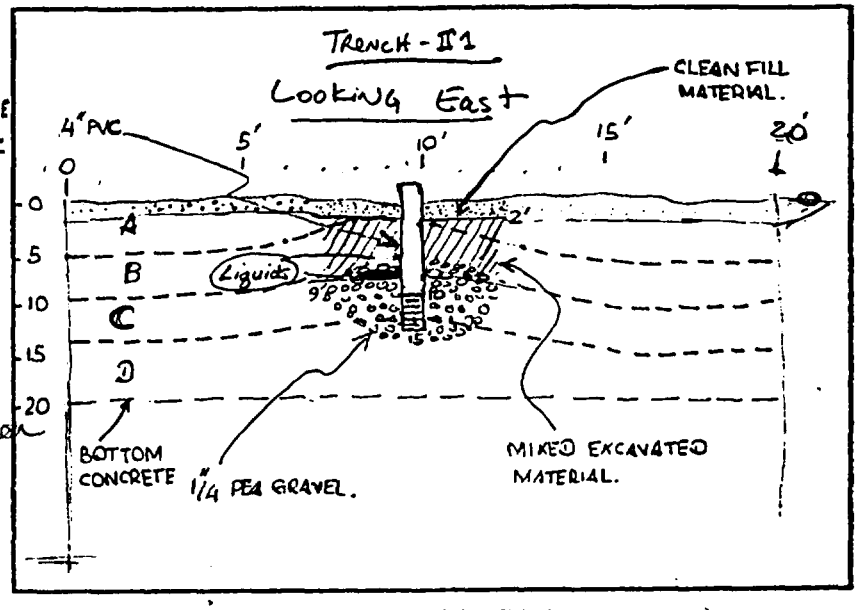
A. SM, BROWN SILTY SAND, MEDIUM TO FINE SAND, DRY TO SLIGHTLY MOIST, TRACE OF FINE GRAVEL. (Fill)

B. ROCK and wood FRAGMENTS, CONCRETE AND SOIL MIXED LAYER (~4' IN THICKNESS). (Fill)

C. CL, DARK GRAYISH BROWN SANDY CLAY, MOIST (~4' IN THICKNESS), strong odor (waste material)

D. SUMP-LIKE MATERIAL, GRAY, SATURATED, STRONG ODOR. (waste material)

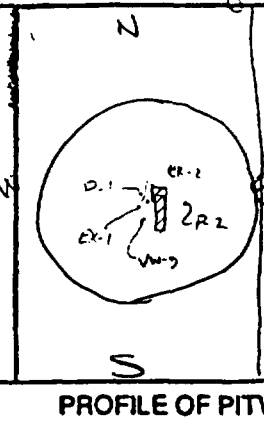
NOTE: UNABLE TO CLEAN THE BOTTOM OF THE TRENCH AT 20' BECAUSE SUMP-LIKE MATERIAL WAS KEPT CAVING IN THE TRENCH FROM BOTH SIDES.



TRENCH LOCATION

• Backfilled the trench with [illegible] to 2' below surface. Top 2' was backfilled with original fill.

DEPTH	HNu OVA READING	SAMPLE	USCS	PROFILE



• A detailed time log of the activities was documented throughout the field activities. (see attached)

PROFILE OF PITWALL

NOTES:

• Encountered liquids at 9' (H_2O/Oil)

• Liquids continued to fill the trench from the N, E, W. After ~30min. of no trenching, the liquids discontinued filling the trench. [redacted] Excavated to 20' (Concrete)

• No liquids from ~11'-to TD. (20')

(3'x4'x2' pit)

CLIENT WDI

PROJECT NO. 94-256

LOCATION SFS, CA

ENVIRONMENTAL SOLUTIONS, INC.

→ • Constructed the sump [illegible] 15' (material kept [illegible]) the trench with [illegible] of the [illegible] (5' of screen, 15' solid) Gravel was backfilled from [illegible]

(Test Trench II-2)

TRENCH NO. WDI-TR-2

SHEET 1 OF 1

LENGTH 22'

WIDTH ~8'

DEPTH 12'

COORDINATES N NM E NM

FIELD ENGINEER/ GEOLOGIST WIN [illegible]

DATE BEGAN 9/2/98

EDITED BY A. Isaly

DATE FINISHED 9/2/98

CHECKED BY A. Isaly

GROUND SURFACE EL. NM

DESCRIPTION AND NOTES:

A. SM, SILTY SAND, MEDIUM-FINE, DRY TO SLIGHTLY MOIST. (FILL)

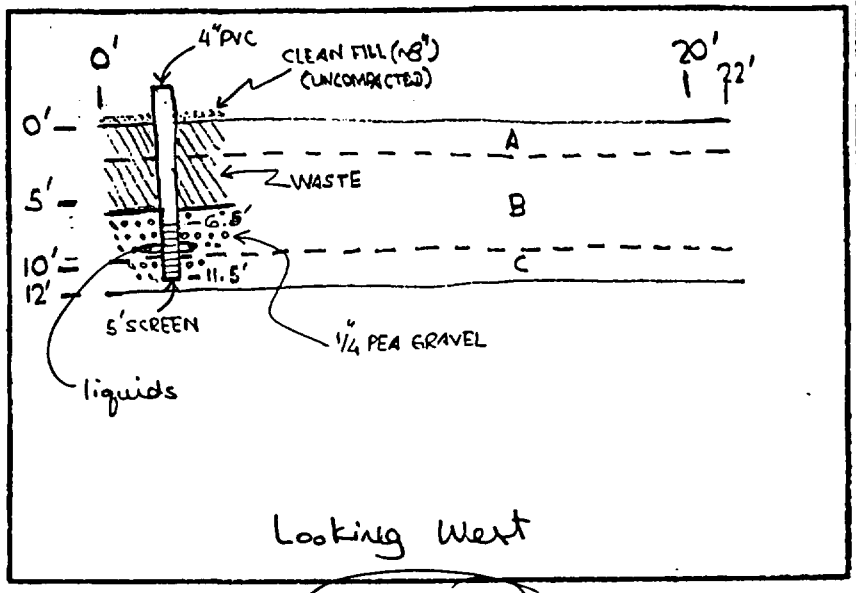
B. ROCK FRAGMENT + CONCRETE + TRASH (WOOD) + SOIL MIXED LAYER. (Fill)

C. SUMP-LIKE MATERIAL, SATURATED, STRONG ODOR. (Waste Mtl)

NOTE: COULDN'T EXCAVATE DEEPER THAN 12' DUE TO CAVING (open trench)
LIQUID ENCOUNTERED AT ~ 9'-10'.

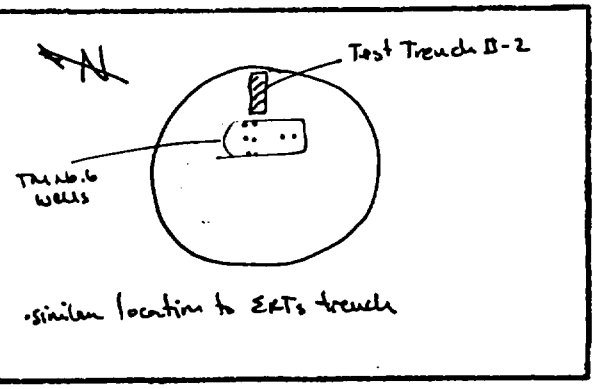
- Trenched to 20' however the trench would not remain open due to the characteristics of the material.

Constructed piezometer. Same procedures and materials as Test Trench II-1.



TRENCH LOCATION

DEPTH	HNu OVA READING	SAMPLE	USCS	PROFILE



PROFILE OF PITWALL

CLIENT WDI

PROJECT NO. 94-256

LOCATION Santa Fe Spring, CA.

ENVIRONMENTAL SOLUTIONS, INC.

LENGTH 30'

WIDTH 3'

DEPTH 20'

TRENCH NO. (Test Trench II-3) WDI-TR-3

SHEET 1 OF 1

COORDINATES N NM E NM

FIELD ENGINEER/ GEOLOGIST W. AUNG

DATE BEGAN 9/3/98

EDITED BY A. Isaly

DATE FINISHED 9/3/98

CHECKED BY Alex Isaly

GROUND SURFACE EL. NM

DESCRIPTION AND NOTES:

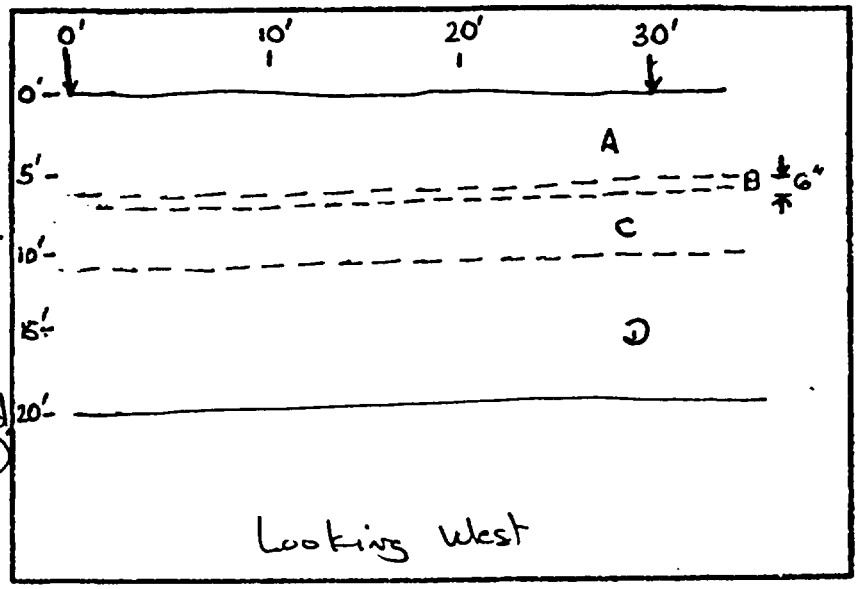
A. SM, Silty Sand, Dry, Trace of Gravel. (Fill)

B. Thin Concrete Layer (6" Thick).

C. CL, Light Gray Sandy Clay, Moist. (Fill)

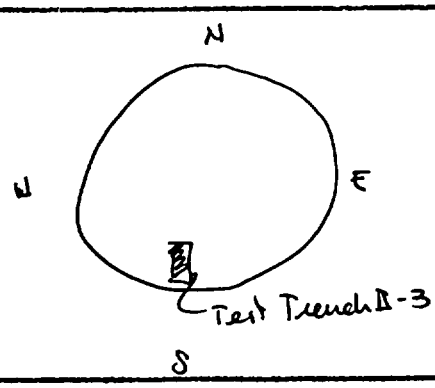
D. Sump-Like Material, Saturated Strong Odor. (Waste Material)

Note: Water Encountered at 10' (limited volume) Stop Excavating at 20' due to Caving from ~ 14'. No Well was installed (diff. liquid charact. as Test Trenches II-1 & 2) (limited volume, little to no ponding)



TRENCH LOCATION

DEPTH	HNu OVA READING	SAMPLE	USCS	PROFILE



PROFILE OF PITWALL

CLIENT WDI

PROJECT NO. 94-256

LOCATION Santa Fe Spring, CA.

ENVIRONMENTAL SOLUTIONS, INC.

APPENDIX C

BIOSOLVE™

TRC

BioSolve® InfoSheet

Vapor Suppression

Spill Response

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Always use BioSolve in accordance with State, Federal or Local Approvals.
Western States BioSolve (714) 438-2221

BioSolve has an amazing ability to suppress or eliminate Volatile Organic Compounds (VOC's). Unlike a foam that suppresses vapor only as long as the blanket lasts, BioSolve's unique properties encapsulate and emulsify the hydrocarbon giving long term vapor suppression.

BioSolve, diluted to a 3% to 6% solution can be applied with any water applicator. Special equipment is not required. Since BioSolve is not a foam, it can be applied on high wind days as well as hillsides. For large sites, applicators can include foam eductors, water trucks, and sprinkler systems, for smaller jobs, a hand pump sprayer, water extinguisher, or garden hose with a fertilizer attachment on the nozzle works quite well.

Because BioSolve applies like water, it's applications are almost endless. In **Underground Storage Tanks** (UST's), BioSolve is used in the "Triple Rinse" washing procedure. BioSolve eliminates the recurrence of vapor release often associated with UST removals. Because BioSolve is a unique biosurfactant, it not only suppresses the vapor but cleans the tank right down to the metal. BioSolve can be used with any pressure washer with tremendous efficiency.

Water Based
Biodegradable

Fast--Suppresses VOC's within seconds!

Cost Effective--Lasts a long time

Simple-- Applies like water

Versatile--Replaces a variety of other chemicals.

Drum washers/recyclers find that BioSolve is ideal to handle a wide range of contaminated drums. A 6% solution of BioSolve is high pressure sprayed into the drums to wash them out. BioSolve's double action of encapsulation and cleaning, effectively cleans the drums in a one step application. BioSolve is so effective it is even used to clean out **mercaptan** drums with little to no odor release. Because ***BioSolve enhances the bioremediation of organic compounds, it makes it possible to dispose of wash water to a plant's activated sludge pond.***

In refinery and on oil production platforms, BioSolve is proving an effective agent for suppressing VOC vapor in open drain systems during Turnarounds and Workover Operations

BioSolve is commonly utilized by Haz Mat, Emergency Response, and Fire Departments nationwide to suppress VOC vapors and odors. Many departments report that BioSolve inducted into the sanitary sewers effectively eliminates the explosion hazard when gas leaks into the municipal sewer systems. NOTE: ***Always follow State and Federal guidlines and approvals before using in sewers.*** We have on file a variety of letters from Fire Depts. and Sanitation Districts regarding this procedure. These are available upon request.

Additional uses: BioSolve is also being utilized in bilge cleaning, vessel cleanups, cutting washers, soil & sludge washing and more.....

Distributed By:

Western States BioSolve
17151 Newhope St., Suite 201
Fountain Valley, CA 92708
(714) 438-2221

MATERIAL SAFETY DATA SHEET

THE WESTFORD CHEMICAL CORPORATION®
P.O. Box 798
Westford, Massachusetts 01886 USA

Ref. No.: 2001
Date: 1-1-98

Phone: (978) 392-0689
Phone: (508) 885-1113
Emergency Phone-24 Hours: 1-800-225-3909

Fax: (978) 692-3487
Web Site: http://www.BioSolve.com
E-Mail: info@BioSolve.com

SECTION I - IDENTITY

Name:	BioSolve®
CAS #:	138757-63-8
Formula:	Proprictary
Chemical Family:	Water Based, Biodegradable, Wetting Agents & Surfactants
HMIS Code:	Health 1, Fire 0, Reactivity 0
HMIS Key:	4 = Extreme, 3 = High, 2 = Moderate, 1 = Slight, 0 = Insignificant

SECTION II - HAZARDOUS INGREDIENTS

Massachusetts Right to Know Law or 29 C.F.R. (Code of Federal Regulations) 1910.1000 require listing of hazardous ingredients.

This product does not contain any hazardous ingredients as defined by CERCLA, Massachusetts Right to Know Law and California's Prop. 65.

SECTION III - PHYSICAL - CHEMICAL CHARACTERISTICS

Boiling Point	: 265°F	Specific Gravity	: 1.006 +/-.01
Melting Point	: 32°F	Vapor Pressure mm/Hg	: NA
Surface Tension- 6% Solution	: 29.1 Dyne/cm at 25°C	Vapor Density Air = 1	: NA
Reactivity with Water	: No	Viscosity - Concentrate	: 490 Centipoise
Evaporation Rate	: >1 as compared to Water	Viscosity - 6% Solution	: 15 Centipoise
Appearance	: Clear Liquid unless Dyed	Solubility in Water	: Complete
Odor	: Pleasant Fragrance	pH	: 8.81+/-.5
Pounds per Gallon	: 8.37		

SECTION IV - FIRE AND EXPLOSION DATA

Special Fire Fighting Procedures	: NA	Percent Volatile by Volume	: NA
Unusual Fire and Explosion Hazards	: None	Flammable Limit	: NA
Solvent for Clean-Up	: Water	Auto Ignite Temperature	: NA
Flash Point	: NA	Fire Extinguisher Media	: NA

SECTION V - SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

Precautions to be taken in Handling and Storage: Use good normal hygiene.
Precautions to be taken in case of Spill or Leak -

Small spills, in an undiluted form, contain. Soak up with absorbent materials.
Large spills, in an undiluted form, dike and contain. Remove with vacuum truck or pump to storage/salvage vessel. Soak up residue with absorbent materials.

Waste Disposal Procedures -

Dispose in an approved disposal area or in a manner which complies with all local, state, and federal regulations.

SECTION VI - HEALTH HAZARDS

Threshold Limit Values: NA
Signs and Symptoms of Over Exposure-

Acute : Moderate eye irritation. Skin: Causes redness, edema, drying of skin.
Chronic: Pre-existing skin and eye disorders may be aggravated by contact with this product.

Medical Conditions Generally Aggravated by Exposure: Unknown
Carcinogen: No
Emergency First Aid Procedures -

Eyes: Flush thoroughly with water for 15 minutes. Get medical attention.
Skin: Remove contaminated clothing. Wash exposed areas with soap and water. Wash clothing before reuse. Get medical attention if irritation develops.
Ingestion: Get medical attention.
Inhalation: None considered necessary.

SECTION VII - SPECIAL PROTECTION INFORMATION

Respiratory Protection	: Not necessary	Local Exhaust Required	: No
Ventilation Required	: Normal	Protective Clothing	: Gloves, safety glasses Wash clothing before reuse.

SECTION VIII - PHYSICAL HAZARDS

Stability	: Stable	Incompatible Substances	: None Known
Polymerization	: No	Hazardous Decomposition Products	: NA

SECTION IX - TRANSPORT & STORAGE

DOT Class	: Not Regulated/Non Hazardous		
Freeze Temperature	: 28°F	Storage	: 35°F-120°F
Freeze Harm	: None	Shelf Life	: Unlimited Unopened

SECTION X - REGULATORY INFORMATION

The Information on this Material Safety Data Sheet reflects the latest information and data that we have on hazards, properties, and handling of this product under the recommended conditions of use. Any use of this product or method of application, which is not described on the Product label or in this Material Safety Data Sheet is the sole responsibility of the user. This Material Safety Data Sheet was prepared to comply with the OSHA Hazardous Communication Regulation and Massachusetts Right to Know Law.

BioSolve® InfoSheet

Dilution & Application Rates

BioSolve is a concentrate and MUST BE DILUTED prior to use

The following dilution rates have been found to be effective in most BioSolve applications. However, since site specific conditions vary, adjusting dilution rates slightly *may be necessary for optimum efficency.*

Vapor Suppression	**3% - 6%**
Soil	
Tank Washout	
Fuels, Light Oils	3%
Heavy Oils	6%
Soil,Rock,Sludge Washing	**1% - 3%**
Emergency Response Spills	**6%**
Fire	**6%**
Bioremediation	
Fuels, Light Oils	3%
Heavy Oils, Crudes	6%
Food Grease Traps	**5%**

Protocols Available for Most Applications

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BioSolve is water based and does not react like a solvent. BioSolve emulsifies, encapsulates, and disperses. Once it is understood that these are the only three actions of BioSolve, adjustments can be made in the dilution and / or the application method to attain the desired result. Protocols are available for many BioSolve applications.

These applications rates vary and may need to be adjusted to site specific conditions. BioSolve can eliminate working hazards and, in many cases, the waste discharge can be treated in the plant's activated sludge ponds.

Application	Rates
Vapor Suppression	Call regarding site specific conditions
Bioremediations	Call regarding site specific conditions
Tank Washouts	Use through standard pressure washer
Fire Emergency Response	1 gallon of BioSolve concentrate to 6 gallons of hydrocarbon
Soil/Sludge Washing	Site specific
Spills Small	Mix 3 part water to 1 part BioSolve. Apply to spill, agitate with full pressure water stream
Large	Educt Through Foam Eductor at 6%

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Shipboard Pollution Control

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OPA 90 Vessel Response Plan (VRP) Compatible

- ✓ Deckside emulsifier and surface agent
- ✓ Immediate vapor suppression and reduction of VOC's & LEL's in open or confined space
- ✓ Biodegradable, Water Based Formulation (Non-Solvent or Citrus base)
- ✓ EPA NCP Listed ***
- ✓ Effective in Salt, Fresh, and Hard Water
- ✓ Concentrate - Reduce onboard space & weight requirments
- ✓ *So Unique It Was Awarded a U. S. Patent!*

WHAT IS BIOSOLVE?

BioSolve is a unique blend of water-based, biodegradable surfactants which were specifically engineered as a clean-up and mitigation agent on a wide range of hydrocarbon products.

BioSolve in and of itself does not cause or catalyze specific chemical reactions, **nor does it contain any bacteria cultures or enzymes.** The basic principle of BioSolve is to encapsulate and emulsify the hydrocarbon into extremely small particles in a water/oxygen bearing solution. This process not only suppresses volatile vapors, but also exposes more hydrocarbon molecules directly to the natural occuring bacteria, thus accelerating the natural degradation of the hydrocarbon.

BioSolve has an amazing ability to suppress or eliminate Volatile Organic Compounds (VOC's). Unlike a foam that suppresses vapor only as long as the blanket lasts, BioSolve's unique properties encapsulate and emulsify the hydrocarbon giving long term vapor suppression.

BioSolve, diluted to a 3% to 6% solution can be applied with any water applicator. There is no special equipment required. Since BioSolve is not a foam, it can be applied on high wind days or in rough seas. For large spills, applicators can include foam eductors, hand pump sprayer, or sprinkler systems.

*** BioSolve is on the U.S. Environmental Protection Agency's NCP Product Schedule. This listing does NOT mean that the EPA approves, recommends, licenses, certifies, or authorizes the use of BioSolve on an oil discharge. This listing means only that data has been submitted to EPA as required by subpart F of the National Contingency Plan § 309.915

General Utility

Shipboard and Deck Tank Cleaning - Will not affect tank coatings or steel walls. Rinsate can be run through separator allowing recovery of oils & recycling of wash water.

Effective on Gasoil, Cylinder Oil, Luboil, Hydrolic and most petroleum based products, as well as animal & vegetable oils & fats including fish oils & tallows

Compatible with all tank cleaning apparatus as well as cold pressure or steam cleaning units. **Will Not leave "Rainbows" or sheening in ballasts, tank bottoms, or bilge areas.**

Use on Crude Carriers, Fully Cellular Container Ships, Passenger Vessels, Shallow Draft Vessels, as well as Pleasure Craft.

Effective in bilge and ballast areas: rapidly eliminates odors associated with diesel fuel and gasoline. Dramatically reduces explosive potential when applied and agitated properly. Breaks down scum lines and other residues.

General Engineroom cleaning simplified without hazardous solvents or highly corrosive chemicals. Rapidly cleans turbocharger intake filters and other hardworking machinery.

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Environmental / Health & Safety

Vapor Suppression *Spill Response* Mitigations

BioSolve is a unique blend of water-based, biodegradable surfactants that was specifically engineered as a clean-up and mitigation agent for use on a wide range of hydrocarbon products.

BioSolve in and of itself does not cause or catalyze specific chemical reactions, **nor does it contain any bacteria cultures or enzymes.** The basic principle of BioSolve is to emulsify the hydrocarbon into macroemulsions and encapsulate those particles in a water/oxygen bearing solution.

Because of the unique properties of BioSolve, the applications are varied, and results effective. **BioSolve desorbs the hydrocarbons while emulsifying and encapsulating them for cleanups & mitigations, and surrounds ring structures resulting in immediate and long term vapor suppression.**

Vapor Suppression

BioSolve is proven effective for long term suppression of Volatile Organic Compounds (VOC) vapors. This is especially critical when dealing with Turnaround and Workover Operations. BioSolve is so effective that in most cases the first "degassing" application lasts through the entire operation.

Inert VOC's in open drain systems, tank washouts, vessel cleanups, tank entry and pipeline abandonment.

So effective is BioSolve, that it is being utilized in the South Coast Air Quality Management District for suppressing vapors on large and small environmental cleanup sites.

Recovery Enhancement

During clean-up operations BioSolve has wide range applications. BioSolve's unique properties emulsifies the hydrocarbon into solution making the tank bottons pumpable. When pumped to holding tanks and allowed to settle, BioSolve will release the oil from solution, seperating the oil from the solids. This unique property of BioSolve allows the oily sludge from tank bottoms to be recovered into sellable oil with a low BS&W. (Basic Sediment & Water)

Ashphaltenes

Ashphaltene's present cleaning problems due to their high molecular weight and their extremely high viscosity and adhesion. Normal cleaning procedures included the use of solvents or hot caustics. The rinsate then becomes an additional expensive problem having to be disposed of as hazardous.

Now there's BioSolve.
Following a similiar procedure as hot caustic cleaning, a 6% solution of BioSolve takes the ashphaltene's into solution and the emulsion can then be pumped out and sent to the plant's activated sludge pond. (Protocol availabe)

BioSolve is used by many EAT and Haz Mat Teams in spill cleanup & mitigation

Additional uses include: Parafin Removal, Vessel Washouts, Spill Response, Cuttings Washers, Enhanced Bioremediations, Tank Washouts, and much more....

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APPENDIX D

PAINT FILTER TEST (EPA METHOD 9095)

METHOD 9095

PAINT FILTER LIQUIDS TEST

1.0 SCOPE AND APPLICATION

1.1 This method is used to determine the presence of free liquids in a representative sample of waste.

1.2 The method is used to determine compliance with 40 CFR 264.314 and 265.314.

2.0 SUMMARY OF METHOD

2.1 A predetermined amount of material is placed in a paint filter. If any portion of the material passes through and drops from the filter within the 5-min test period, the material is deemed to contain free liquids.

3.0 INTERFERENCES

3.1 Filter media were observed to separate from the filter cone on exposure to alkaline materials. This development causes no problem if the sample is not disturbed.

4.0 APPARATUS AND MATERIALS

4.1 Conical paint filter: Mesh number 60 (fine meshed size). Available at local paint stores such as Sherwin-Williams and Glidden for an approximate cost of $0.07 each.

4.2 Glass funnel: If the paint filter, with the waste, cannot sustain its weight on the ring stand, then a fluted glass funnel or glass funnel with a mouth large enough to allow at least 1 in. of the filter mesh to protrude should be used to support the filter. The funnel is to be fluted or have a large open mouth in order to support the paint filter yet not interfere with the movement, to the graduated cylinder, of the liquid that passes through the filter mesh.

4.3 Ring stand and ring, or tripod.

4.4 Graduated cylinder or beaker: 100-mL.

5.0 REAGENTS

5.1 None.

6.0 SAMPLE COLLECTION, PRESERVATION, AND HANDLING

6.1 All samples must be collected according to the directions in Chapter Nine of this manual.

6.2 A 100-mL or 100-g representative sample is required for the test. If it is not possible to obtain a sample of 100 mL or 100 g that is sufficiently representative of the waste, the analyst may use larger size samples in multiples of 100 mL or 100 g, i.e., 200, 300, 400 mL or g. However, when larger samples are used, analysts shall divide the sample into 100-mL or 100-g portions and test each portion separately. If any portion contains free liquids, the entire sample is considered to have free liquids.

7.0 PROCEDURE

7.1 Assemble test apparatus as shown in Figure 1.

7.2 Place sample in the filter. A funnel may be used to provide support for the paint filter.

7.3 Allow sample to drain for 5 min into the graduated cylinder.

7.4 If any portion of the test material collects in the graduated cylinder in the 5-min period, then the material is deemed to contain free liquids for purposes of 40 CFR 264.314 and 265.314.

8.0 QUALITY CONTROL

8.1 Duplicate samples should be analyzed on a routine basis.

9.0 METHOD PERFORMANCE

9.1 No data provided.

10.0 REFERENCES

10.1 None required.

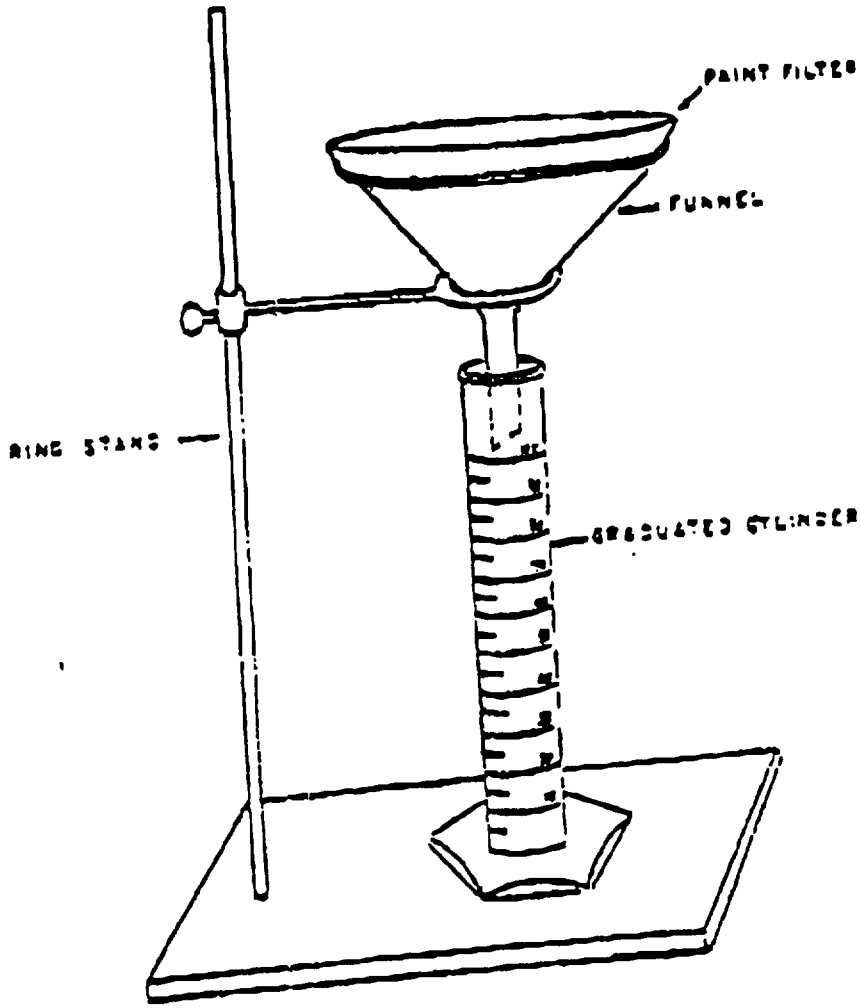
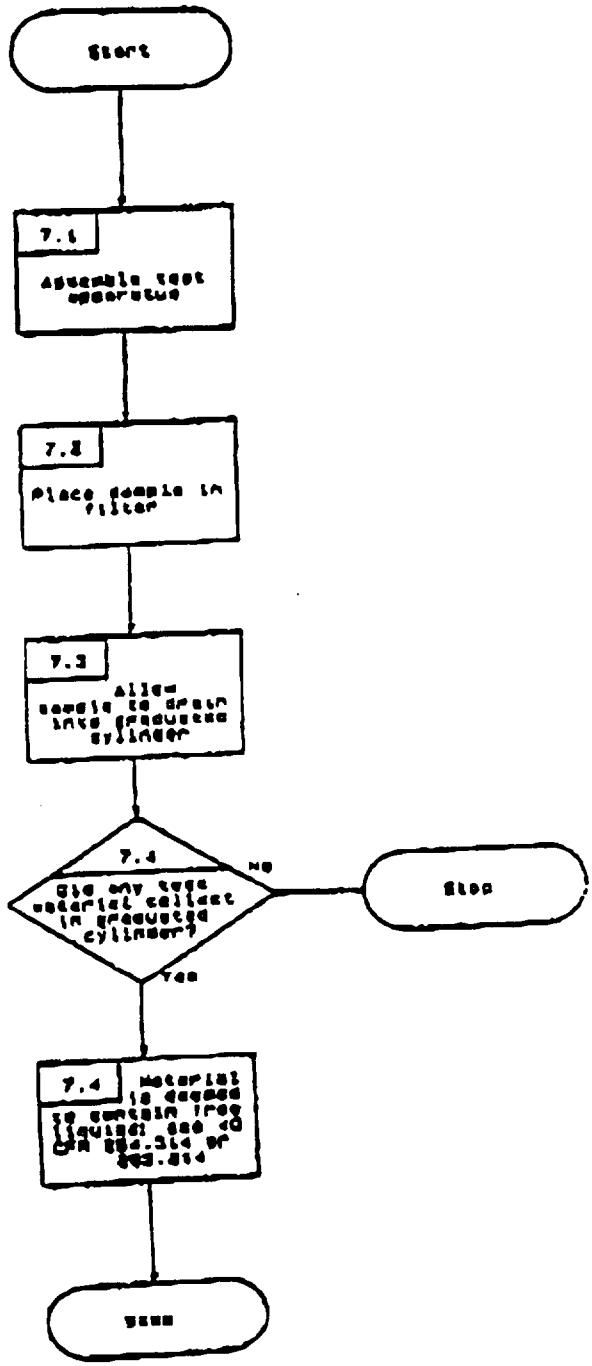


Figure 1. Paint filter test apparatus.

METHOD 9095

PAINT FILTER LIQUIDS TEST

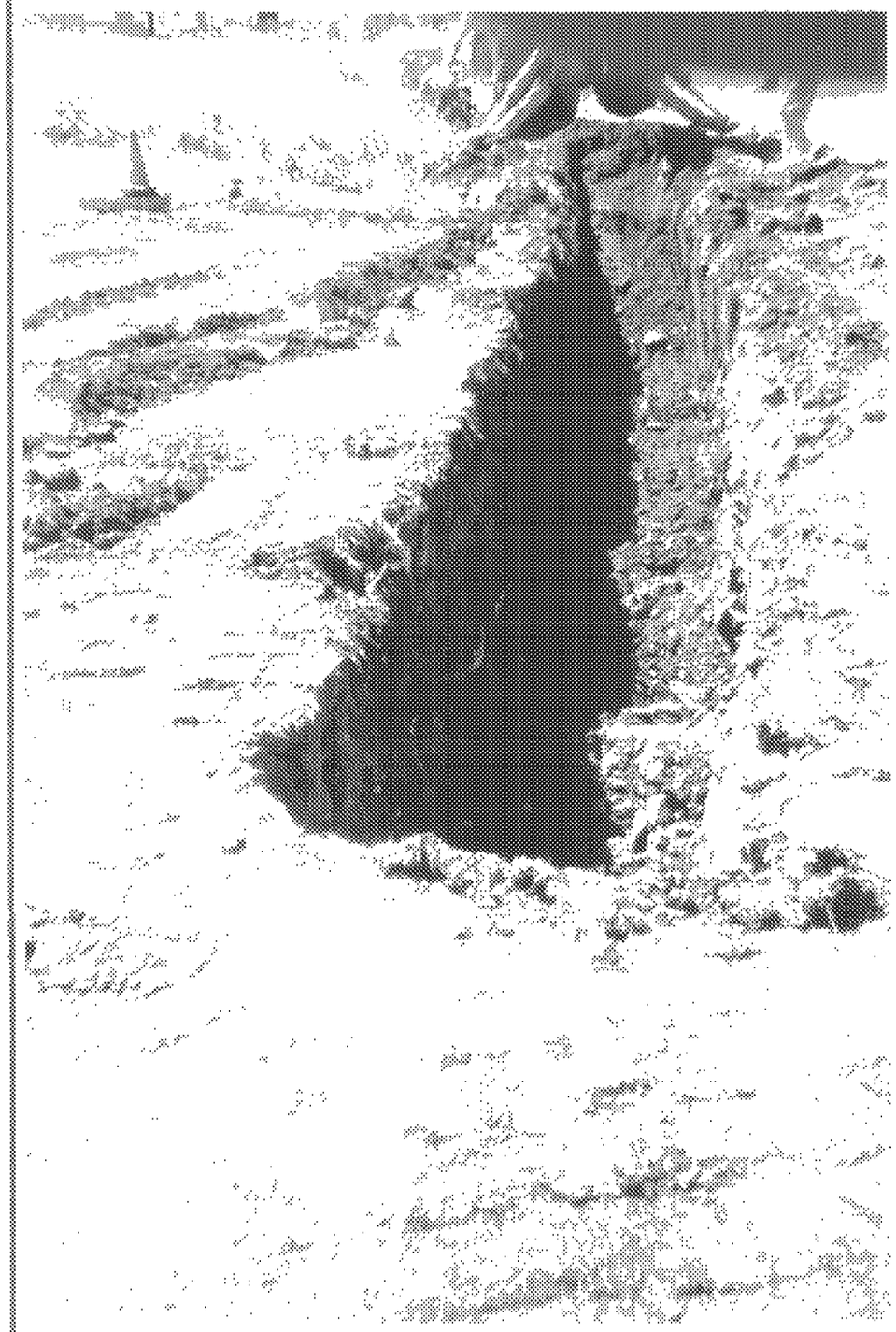


Revision 0
Date September 1986

APPENDIX E

WDIG TRENCH PHOTOGRAPHS

TRC



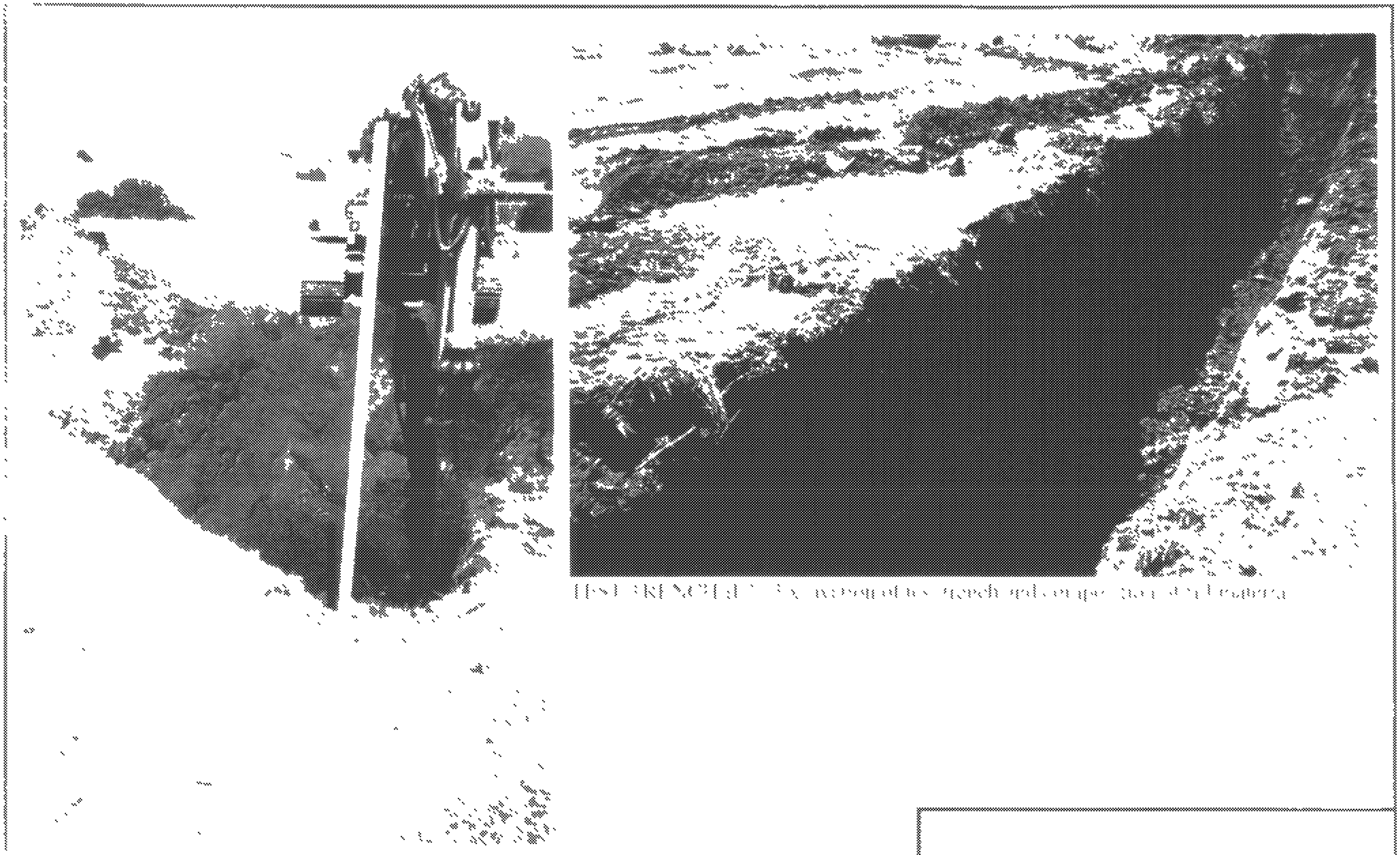
TEST TRENCH II-1: Excavation of test trench and composition of fill material. Also shows the location of piezometer P-2.

TEST TRENCH II-1: Excavation of test trench showing the preparation of work area prior to excavating the waste.

SITE PHOTOGRAPHS
TEST TRENCH II-1

WASTE DISPOSAL, INC.
SANTA FE SPRINGS, CALIFORNIA

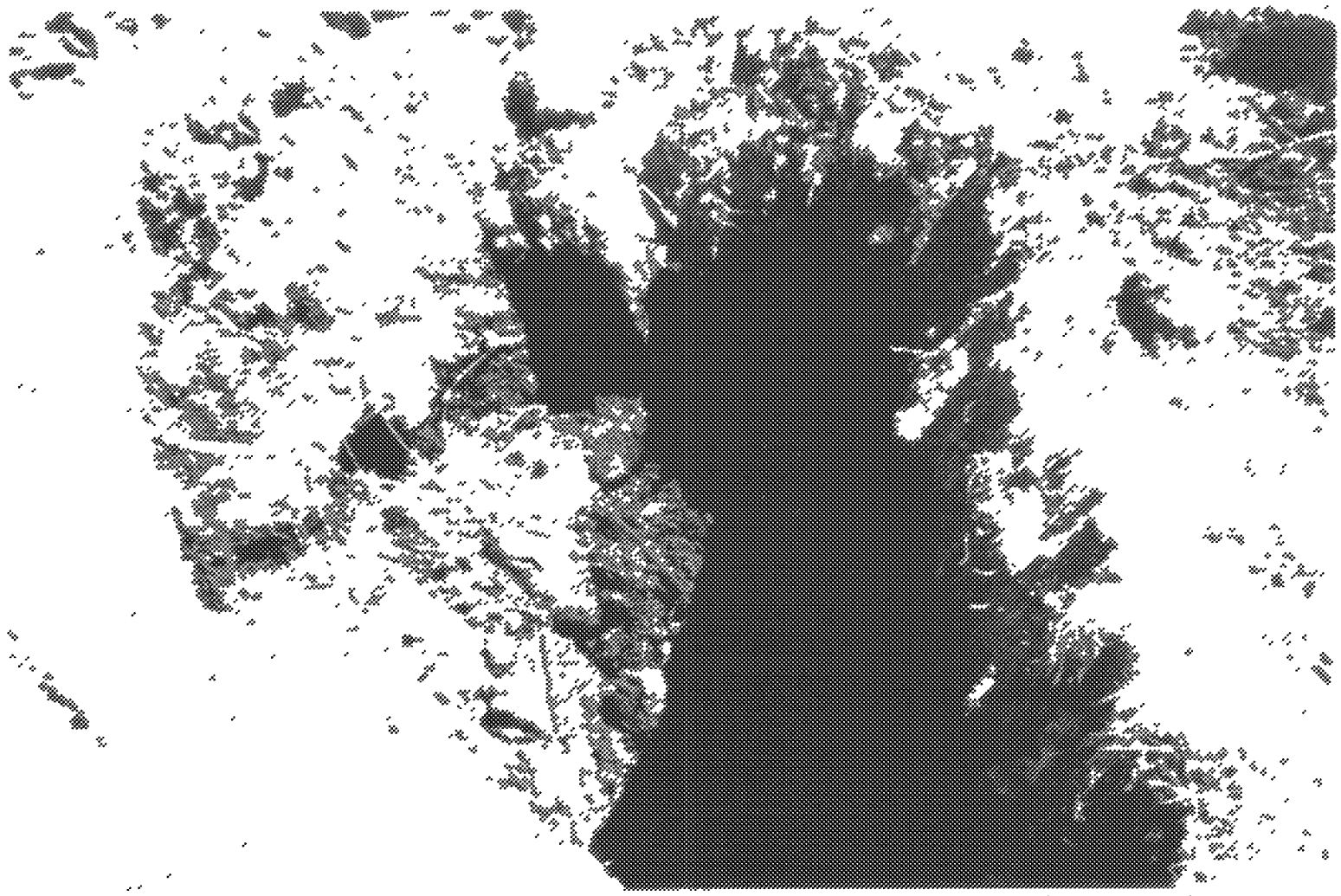
TRC | FIGURE E.1



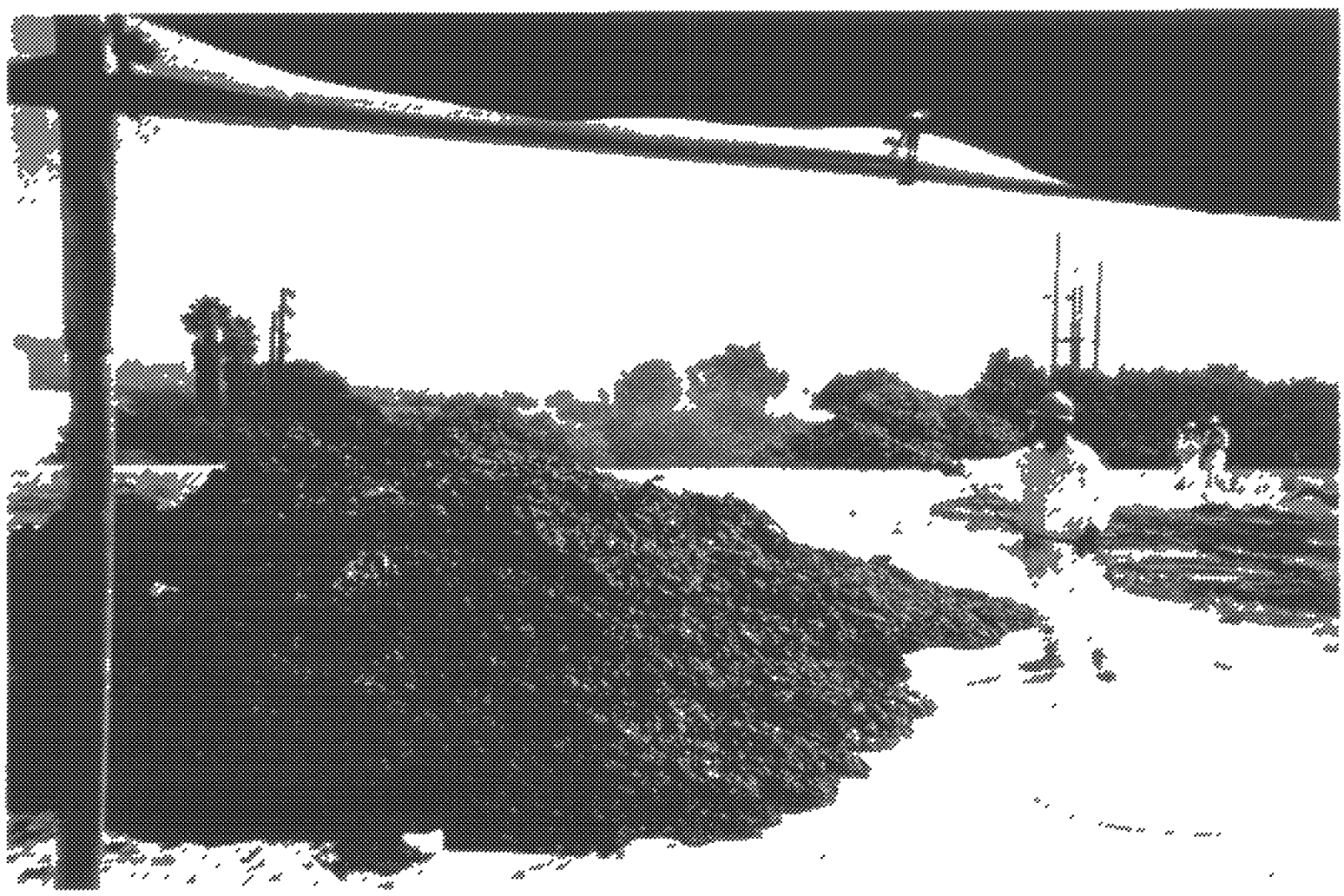
SITE PHOTOGRAPHS
TEST TRENCHES II-1 AND II-2

TRC

FIGURE E.2



TEST TRENCH II-2 [illegible]



TEST TRENCH II-2 [illegible]

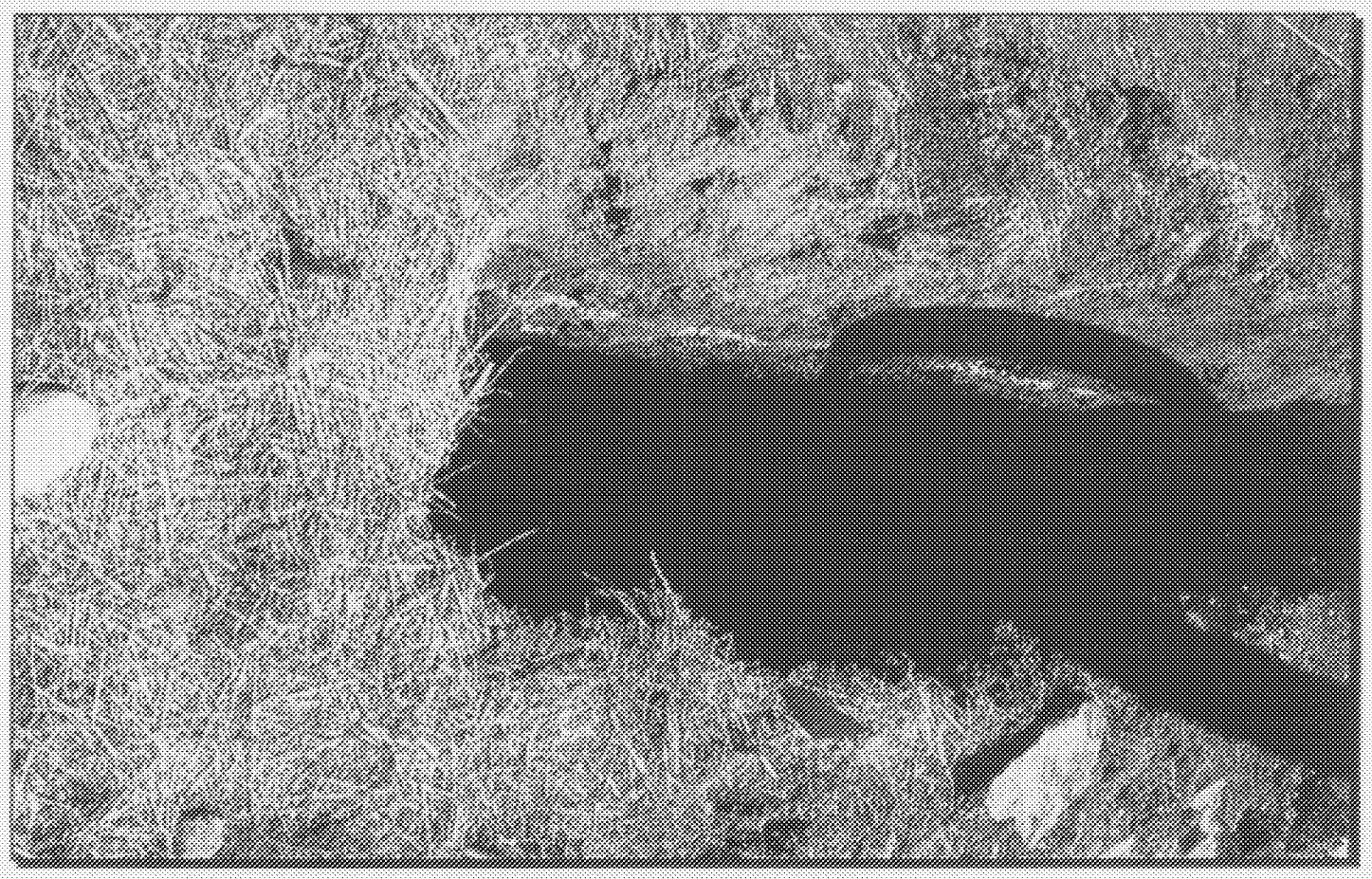
SITE PHOTOGRAHS
TEST TRENCH II-2

[illegible]

TRC

FIGURE E.3

TEST TRENCH II-1: Excavation of test trench and location of Piezometer PII-1A.



TEST TRENCH II-3: Excavation of test trench and composition of fill material.

SITE PHOTOGRAPHS
TEST TRENCH II-1 AND II-3

WASTE DISPOSAL, INC.
SANTA FE SPRINGS, CALIFORNIA

TRC | FIGURE E.4