SYNTEX RESEARCH
DIVISION OF SYNTEX (USA) INC.
3401 HILLVIEW AVENUE
PALO ALTO, CALIF. 94304

ANALYTICAL RESEARCH

Site: Syntex-Verona
ID#: MOD007452154
Break: 4.3
Other: Syntex Agribusiness 12-6-85

LEWIS J. THROOP, Ph.D. DIRECTOR (415) 855-5166

Syntex Data

AER: 6899
December 6, 1985

Mr. Kenneth Scott Ritchey
U.S. Environmental Protection Agency
Region VII
726 Minnesota Avenue
Kansas City, Kansas 66101

Dear Mr. Ritchey:

In our phone call of last week I had promised to supply a copy of the summary analytical data obtained as a result of our testing at the Syntex Agribusiness plant in Verona Mo. This testing was carried out as part of our obligations under the Verona Sampling and Analysis Plan. The three attachments to this letter should give you a good preview of the results which will constitute part of the final report. The final report will of course contain the quality assurance work and all raw data used to generate the results supplied here. The attachments consist of :

1. The summary databases containing the analysis results

2. A draft descriptive guide to the sampling numbering system.

3. A set of plan drawings which are essentially "Attachment-H" of the Verona Plan with improved sample notations.

I am most interested in receiving the results obtained on the selected splits analyzed by your laboratories which you had agreed to forward upon receipt of our summary information.

I will be in my office during the later part of next week if you need further information regarding our results.

Regards and best wishes for the holiday season.

Sincerely,

Lewis Throop

Lewis J. Throop, Ph.D.
Director
Analytical and
Environmental Research

cc: F. Brunner (w/o encl.)

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SUPERFUND RECORDS

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*** CONFIDENTIAL ***
Summary of TCDD Analytical Results
Verona Sampling and Analysis Plan - SOIL
FILE: VERTCDD5.DBF USING: VERTCDDS.FRM

DATE SAMPLED	LOCATION	DESCRIPTION	ANALYTICAL LOG NO.	DATE EXTRACTED	TCDD (ppb)	(Limit)	ANALYSIS REF. (TCDD:)	COMMENTS
05/14/85	BURN AREA	PERIM'R BORE (0-1.5')	85ENV255	05/21/85	ND	(0.05)	5-385	
05/15/85	BURN AREA	BORING (0-1.5')	85ENV290	05/24/85	10.30		5-446	
05/15/85	BURN AREA	BORING (0-1.5')	85ENV291	05/24/85	14.50		5-446	
05/15/85	BURN AREA	BORING (0-1.5')	85ENV292	05/24/85	0.53		5-446	
05/16/85	BURN AREA	TRENCH, 1' DEEP	85ENV310	05/31/85	0.65		6-020	
05/14/85	BURN AREA	PERIM'R BORE (1.5-3')	85ENV256	05/21/85	ND	(0.04)	5-385	
05/15/85	BURN AREA	BORING (1.5-3')	85ENV293	05/25/85	27.00		6-001	ID by GC/MS (8-209)
05/15/85	BURN AREA	BORING (1.5-3')	85ENV294	05/25/85	6.00		6-001	
05/15/85	BURN AREA	BORING (1.5-3')	85ENV295	05/25/85	0.28		6-001	
05/16/85	BURN AREA	TRENCH, 2' DEEP	85ENV311	05/31/85	0.79		6-020	
05/14/85	BURN AREA	PERIM'R BORE (3-4.5')	85ENV257	05/21/85	ND	(0.04)	5-385	
05/15/85	BURN AREA	BORING (3-4.5')	85ENV296	05/25/85	18.10		6-001	
05/15/85	BURN AREA	BORING (3-4.5')	85ENV296-D	09/19/85	16.50		8-167	Duplicate / ID by G
05/15/85	BURN AREA	BORING (3-4.5')	85ENV297	05/25/85	0.87		6-001	
05/15/85	BURN AREA	BORING (3-4.5')	85ENV298	05/25/85	ND	(0.12)	6-001	
05/16/85	BURN AREA	TRENCH, 3' DEEP	85ENV312	05/31/85	ND	(0.16)	6-033	
05/14/85	BURN AREA	PERIM'R BORE (4.5-6')	85ENV258	05/21/85	ND	(0.09)	5-385	
05/15/85	BURN AREA	BORING (4.5-6')	85ENV299	05/25/85	ND	(0.11)	6-001	
05/15/85	BURN AREA	BORING (4.5-6')	85ENV300	05/25/85	ND	(0.08)	6-148	
05/16/85	BURN AREA	TRENCH, 4' DEEP	85ENV313	05/31/85	ND	(0.03)	6-033	
05/15/85	BURN AREA	PERIM'R BORE (0-1.5')	85ENV301	05/25/85	ND	(0.12)	6-148	
05/15/85	BURN AREA	PERIM'R BORE (1.5-3')	85ENV302	05/29/85	ND	(0.06)	6-148	
05/15/85	BURN AREA	PERIM'R BORE (3-4.5')	85ENV303	05/29/85	ND	(0.11)	6-148	
05/15/85	BURN AREA	PERIM'R BORE (4.5-6')	85ENV304	05/31/85	ND	(0.04)	6-148	
05/15/85	BURN AREA	PERIM'R BORE (0-1.5')	85ENV305	05/29/85	ND	(0.12)	6-148	
05/15/85	BURN AREA	PERIM'R BORE (1.5-3')	85ENV306	05/29/85	ND	(0.04)	6-148	
05/15/85	BURN AREA	PERIM'R BORE (3-4.5')	85ENV307	05/29/85	ND	(0.26)	6-148	
05/15/85	BURN AREA	PERIM'R BORE (4.5-6')	85ENV308	05/29/85	ND	(0.06)	6-020	
05/14/85	BURN AREA	PERIM'R BORE (0-1.5')	85ENV259	05/21/85	ND	(0.06)	5-385	
05/14/85	BURN AREA	PERIM'R BORE (1.5-3')	85ENV260	05/21/85	ND	(0.03)	5-385	
05/14/85	BURN AREA	PERIM'R BORE (3-4.5')	85ENV261	05/21/85	ND	(0.04)	5-385	
05/14/85	BURN AREA	PERIM'R BORE (4.5-6')	85ENV262	05/22/85	ND	(0.04)	5-385	
05/13/85	BURN AREA	PERIM'R BORE (0-1.5')	85ENV263	05/22/85	ND	(0.07)	5-385	
05/13/85	BURN AREA	PERIM'R BORE (1.5-3')	85ENV264	05/22/85	ND	(0.07)	5-405	
05/13/85	BURN AREA	PERIM'R BORE (3-4.5')	85ENV265	05/22/85	ND	(0.11)	5-405	
05/13/85	BURN AREA	PERIM'R BORE (4.5-6')	85ENV266	05/22/85	ND	(0.05)	5-405	

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Summary of TCDD Analytical Results
Verona Sampling and Analysis Plan - SOIL
FILE: VERTCDD5.DBF USING: VERTCDDS.FRM

DATE SAMPLED	LOCATION	DESCRIPTION	ANALYTICAL LOG NO.	DATE EXTRACTED	TCDD (ppb)	(Limit)	ANALYSIS REF. (TCDD:)	COMMENTS
04/15/85	GRID	COMPOSITE	85ENV118	04/30/85	ND	(0.01)	5-239	
04/15/85	GRID	COMPOSITE	85ENV119	04/30/85	ND	(0.02)	5-239	
04/16/85	GRID	COMPOSITE	85ENV125	05/01/85	ND	(0.08)	5-082	
04/16/85	GRID	COMPOSITE	85ENV126	05/01/85	ND	(0.01)	5-082	
04/16/85	GRID	COMPOSITE	85ENV127	05/01/85	ND	(0.01)	5-082	
04/16/85	GRID	COMPOSITE	85ENV128	05/01/85	1.60		5-098	
04/16/85	GRID	COMPOSITE	85ENV129	05/01/85	0.16		5-098	
04/16/85	GRID	COMPOSITE	85ENV104	04/23/85	ND	(0.01)	5-027	
04/17/85	GRID	COMPOSITE	85ENV105	04/24/85	ND	(0.12)	5-070	
04/17/85	GRID	COMPOSITE	85ENV106	04/24/85	ND	(0.01)	5-070	
04/17/85	GRID	COMPOSITE	85ENV106-D	05/07/85	ND	(0.01)	5-145	Duplicate Analysis
04/17/85	GRID	COMPOSITE	85ENV107	04/24/85	ND	(0.01)	5-070	
04/17/85	GRID	COMPOSITE	85ENV108	04/25/85	ND	(0.01)	5-070	
04/17/85	GRID	COMPOSITE	85ENV130	05/01/85	0.41		5-082	
04/17/85	GRID	COMPOSITE	85ENV131	05/01/85	0.21		5-098	
04/17/85	GRID	COMPOSITE	85ENV132	05/01/85	0.15		5-098	
04/17/85	GRID	COMPOSITE	85ENV133	05/01/85	ND	(0.04)	5-098	
04/17/85	GRID	COMPOSITE	85ENV134	05/03/85	ND	(0.06)	5-113	
04/17/85	GRID	COMPOSITE	85ENV135	05/03/85	ND	(0.06)	5-098	
04/18/85	GRID	COMPOSITE	85ENV136	05/03/85	ND	(0.04)	5-113	
04/18/85	GRID	COMPOSITE	85ENV137	05/03/85	ND	(0.18)	5-113	
04/18/85	GRID	COMPOSITE	85ENV138	05/02/85	0.77		5-113	
04/18/85	GRID	COMPOSITE	85ENV139	05/02/85	ND	(0.03)	5-113	
04/19/85	GRID	COMPOSITE	85ENV144	05/03/85	0.50		5-130	
04/19/85	GRID	COMPOSITE	85ENV143	05/02/85	ND	(0.06)	5-130	
04/18/85	GRID	COMPOSITE	85ENV142	05/02/85	0.56		5-113	
04/18/85	GRID	COMPOSITE	85ENV141	05/02/85	ND	(0.15)	5-113	
04/18/85	GRID	COMPOSITE	85ENV140	05/02/85	ND	(0.03)	5-113	
04/22/85	GRID	COMPOSITE	85ENV148	05/03/85	ND	(0.05)	5-130	
04/22/85	GRID	COMPOSITE	85ENV147	05/03/85	0.14		5-130	
04/22/85	GRID	COMPOSITE	85ENV146	05/03/85	0.98		5-130	
04/23/85	GRID	COMPOSITE	85ENV157	05/09/85	ND	(0.07)	5-145	
04/23/85	GRID	COMPOSITE	85ENV158	05/09/85	ND	(0.02)	5-145	
04/18/85	GRID	COMPOSITE	85ENV145	05/03/85	ND	(0.02)	5-130	
04/24/85	GRID	COMPOSITE	85ENV160	05/08/85	ND	(0.05)	5-166	
04/24/85	GRID	COMPOSITE	85ENV161	05/08/85	3.10		5-166	

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04/24/85	GRID	COMPOSITE	85ENV161-D	09/18/85	1.70		8-167	Duplicate / ID by
04/24/85	GRID	COMPOSITE	85ENV162	05/08/85	ND	(0.07)	5-166	
04/24/85	GRID	COMPOSITE	85ENV163	05/08/85	0.37		5-166	
04/24/85	GRID	COMPOSITE	85ENV164	05/08/85	ND	(0.06)	5-166	
04/24/85	GRID	COMPOSITE	85ENV165	05/09/85	0.12		5-166	
04/23/85	GRID	COMPOSITE	85ENV159	05/09/85	ND	(0.03)	5-145	
04/24/85	GRID	COMPOSITE	85ENV166	05/09/85	ND	(0.03)	5-183	
04/24/85	GRID	COMPOSITE	85ENV167	05/09/85	2.00		5-183	
04/24/85	GRID	COMPOSITE	85ENV168	05/09/85	ND	(0.02)	5-183	
04/24/85	GRID	COMPOSITE	85ENV169	05/09/85	ND	(0.01)	5-183	
04/23/85	GRID	COMPOSITE	85ENV170	05/09/85	ND	(0.04)	5-183	
04/25/85	GRID	COMPOSITE	85ENV173	05/09/85	ND	(0.05)	5-183	
04/25/85	GRID	COMPOSITE	85ENV172	05/09/85	ND	(0.01)	5-183	
04/24/85	GRID	COMPOSITE	85ENV171	05/09/85	ND	(0.02)	5-183	
04/26/85	GRID	COMPOSITE	85ENV182	05/10/85	ND	(0.15)	5-203	
04/26/85	GRID	COMPOSITE	85ENV183	05/10/85	ND	(0.02)	5-203	
04/26/85	GRID	COMPOSITE	85ENV184	05/10/85	ND	(0.04)	5-220	
04/25/85	GRID	COMPOSITE	85ENV174	05/09/85	ND	(0.02)	5-183	
04/26/85	GRID	COMPOSITE	85ENV185	05/10/85	ND	(0.05)	5-220	
04/26/85	GRID	COMPOSITE	85ENV186	05/11/85	ND	(0.05)	5-220	
04/25/85	GRID	COMPOSITE	85ENV175	05/09/85	ND	(0.03)	5-183	
04/29/85	GRID	COMPOSITE	85ENV190	05/11/85	ND	(0.05)	5-220	
04/26/85	GRID	COMPOSITE	85ENV187	05/11/85	ND	(0.05)	5-220	
04/26/85	GRID	COMPOSITE	85ENV188	05/11/85	ND	(0.03)	5-220	
04/25/85	GRID	COMPOSITE	85ENV180	05/10/85	ND	(0.05)	5-203	
04/29/85	GRID	COMPOSITE	85ENV191	05/11/85	ND	(0.01)	5-220	
04/29/85	GRID	COMPOSITE	85ENV192	05/11/85	ND	(0.04)	5-220	
04/26/85	GRID	COMPOSITE	85ENV189	05/11/85	ND	(0.03)	5-220	
04/26/85	GRID	COMPOSITE	85ENV193	05/11/85	ND	(0.03)	5-220	
04/25/85	GRID	COMPOSITE	85ENV181	05/10/85	ND	(0.05)	5-203	
04/29/85	GRID	COMPOSITE	85ENV194	05/13/85	ND	(0.05)	5-271	
04/29/85	GRID	COMPOSITE	85ENV195	05/13/85	ND	(0.05)	5-271	
04/26/85	GRID	COMPOSITE	85ENV196	05/14/85	ND	(0.05)	5-271	
04/25/85	GRID	COMPOSITE	85ENV176	05/10/85	ND	(0.09)	5-203	
04/25/85	GRID	COMPOSITE	85ENV177	05/10/85	ND	(0.04)	5-203	
04/29/85	GRID	COMPOSITE	85ENV197	05/14/85	ND	(0.04)	5-271	

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DATE SAMPLED	LOCATION	DESCRIPTION	ANALYTICAL LOG NO.	DATE EXTRACTED	TCDD (ppb)	(Limit)	ANALYSIS REF. (TCDD:)	COMMENTS
04/29/85	GRID	COMPOSITE	85ENV198	05/14/85	ND	(0.05)	5-271	
04/26/85	GRID	COMPOSITE	85ENV199	05/14/85	ND	(0.05)	5-271	
04/26/85	GRID	COMPOSITE	85ENV200	05/14/85	ND	(0.03)	5-271	
04/25/85	GRID	COMPOSITE	85ENV178	05/10/85	ND	(0.09)	5-203	
04/25/85	GRID	COMPOSITE	85ENV179	05/10/85	ND	(0.02)	5-203	

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DATE SAMPLED	LOCATION	DESCRIPTION	ANALYTICAL LOG NO.	DATE EXTRACTED	TCDD (ppb)	(Limit)	ANALYSIS REF. (TCDD:)	COMMENTS
05/10/85	IRRIGATION AREA	PERIMETER- 1 FOOT	85ENV279	05/23/85	27.20		5-426	
05/10/85	IRRIGATION AREA	PERIMETER- 1 FOOT	85ENV279-D	09/18/85	7.40		8-191	Duplicate / ID by
05/10/85	IRRIGATION AREA	PERIMETER- 1 FOOT	85ENV278	05/23/85	ND	(0.05)	5-426	
05/10/85	IRRIGATION AREA	PERIMETER- 1 FOOT	85ENV280	05/23/85	ND	(0.13)	5-426	
05/10/85	IRRIGATION AREA	PERIMETER- 1 FOOT	85ENV281	05/23/85	ND	(0.23)	5-426	
05/09/85	IRRIGATION AREA	COMP. OF 8 (0-1')	85ENV254	05/21/85	0.72		5-385	
05/09/85	IRRIGATION AREA	COMP. OF 2 (0-1')	85ENV282	05/23/85	1.60		5-426	
05/09/85	IRRIGATION AREA	COMP. OF 2 (0-1')	85ENV283	05/24/85	1.50		5-426	
05/09/85	IRRIGATION AREA	COMP. OF 2 (1-2')	85ENV284	05/24/85	ND	(0.08)	5-426	
05/09/85	IRRIGATION AREA	COMP. OF 2 (1-2')	85ENV285	05/24/85	0.32		5-446	
05/09/85	IRRIGATION AREA	COMP. OF 2 (0-1')	85ENV286	05/24/85	0.68		5-446	
05/09/85	IRRIGATION AREA	COMP. OF 2 (0-1')	85ENV287	05/24/85	0.39		5-446	
05/09/85	IRRIGATION AREA	COMP. OF 2 (1-2')	85ENV288	05/24/85	ND	(0.32)	5-446	
05/09/85	IRRIGATION AREA	COMP. OF 2 (1-2')	85ENV289	05/24/85	ND	(0.17)	5-446	

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DATE SAMPLED	LOCATION	DESCRIPTION	ANALYTICAL LOG NO.	DATE EXTRACTED	TCDD (ppb)	(Limit)	ANALYSIS REF. (TCDD:)	COMMENTS
05/24/85	LAGOON AREA	FOR COMP.# 3214.1107	85RNV635	09/17/85	0.18		8-233	
05/24/85	LAGOON AREA	FOR COMP.# 3214.1107	85RNV636	09/17/85	5.30		8-233	
05/24/85	LAGOON AREA	FOR COMP.# 3214.1109	85RNV588	08/05/85	4.70		8-097	COMP.ANALYSIS WAS
05/24/85	LAGOON AREA	FOR COMP.# 3214.1207	85RNV586	08/05/85	ND	(0.04)	6-409	COMP.ANALYST" WAS
05/24/85	LAGOON AREA	FOR COMP.# 3214.1207	85RNV589	08/05/85	ND	(0.07)	8-037	COMP.ANALYS WAS
05/24/85	LAGOON AREA	FOR COMP.# 3214.1107	85RNV637	09/20/85	1380.00		8-252	
05/24/85	LAGOON AREA	FOR COMP.# 3214.1107	85RNV638	09/20/85	1170.00		8-252	ID by GC/MS (8-25
05/23/85	LAGOON AREA	FOR COMP.# 3214.1109	85RNV583	08/28/85	269.00		8-097	COMP.ANALYSIS WAS
05/23/85	LAGOON AREA	FOR COMP.# 3214.1109	85RNV583-D	10/15/85	58.90		8-326	Duplicate
05/23/85	LAGOON AREA	FOR COMP.# 3214.1109	85RNV583-T	11/07/85	349.00		10-084	Triplicate Analys
05/23/85	LAGOON AREA	FOR COMP.# 3214.1109	85RNV583.Q	11/07/85	918.00		10-084	Quadruplicate Ana
05/24/85	LAGOON AREA	FOR COMP.# 3214.1207	85RNV590	08/05/85	5.30		8-097	COMP.ANALYSIS WAS
05/24/85	LAGOON AREA	FOR COMP.# 3214.1207	85RNV591	08/05/85	22.80		8-050	COMP.ANALYSIS WAS
06/05/85	LAGOON AREA-PERIM'R	PERIM'R BORE (0-1.5')	85RNV427	06/24/85	0.01		6-189	
06/05/85	LAGOON AREA-PERIM'R	PERIM'R BORE (1.5-3')	85RNV428	06/24/85	ND	(0.02)	6-189	
06/05/85	LAGOON AREA-PERIM'R	PERIM'R BORE (3-4.5')	85RNV530	06/26/85	ND	(0.02)	6-326	
06/05/85	LAGOON AREA-PERIM'R	PERIM'R BORE (4.5-6')	85RNV531	06/26/85	ND	(0.06)	6-326	
06/05/85	LAGOON AREA-PERIM'R	PERIM'R BORE (0-1.5')	85RNV429	06/24/85	0.63		6-309	
06/05/85	LAGOON AREA-PERIM'R	PERIM'R BORE (1.5-3')	85RNV430	06/24/85	3.60		6-189	
06/05/85	LAGOON AREA-PERIM'R	PERIM'R BORE (3-4.5')	85RNV431	06/24/85	ND	(0.04)	6-189	
06/05/85	LAGOON AREA-PERIM'R	PERIM'R BORE (4.5-6')	85RNV432	06/24/85	ND	(0.01)	6-189	
06/05/85	LAGOON AREA-PERIM'R	PERIM'R BORE (0-1.5')	85RNV433	06/24/85	0.20		8-037	
06/05/85	LAGOON AREA-PERIM'R	PERIM'R BORE (1.5-3')	85RNV434	06/24/85	1.90		6-189	
06/05/85	LAGOON AREA-PERIM'R	PERIM'R BORE (3-4.5')	85RNV435	06/24/85	0.26		6-189	
06/05/85	LAGOON AREA-PERIM'R	PERIM'R BORE (4.5-6')	85RNV436	06/24/85	ND	(0.01)	6-189	
06/05/85	LAGOON AREA-PERIM'R	PERIM'R BORE (0-1.5')	85RNV437	06/25/85	2.40		6-369	
06/05/85	LAGOON AREA-PERIM'R	PERIM'R BORE (1.5-3')	85RNV438	06/25/85	0.44		6-352	
06/05/85	LAGOON AREA-PERIM'R	PERIM'R BORE (3-4.5')	85RNV439	06/25/85	ND	(0.28)	6-267	
06/05/85	LAGOON AREA-PERIM'R	PERIM'R BORE (4.5-6')	85RNV440	06/25/85	0.15		6-352	
05/23/85	LAGOON AREA	FOR COMP.# 3214.1109	85RNV585	08/05/85	0.36		6-409	4"NORTHEAST OF TA
05/23/85	LAGOON AREA	FOR COMP.# 3214.1109	85RNV584	08/05/85	22.30		6-409	COMP.ANALYSIS WAS
06/06/85	LAGOON AREA-PERIM'R	PERIM'R BORE (0-1.5')	85RNV441	06/25/85	0.16		6-369	
06/06/85	LAGOON AREA-PERIM'R	PERIM'R BORE (1.5-3')	85RNV442	06/25/85	ND	(0.11)	6-430	
06/06/85	LAGOON AREA-PERIM'R	PERIM'R BORE (3-4.5')	85RNV443	06/25/85	ND	(0.08)	6-369	
06/06/85	LAGOON AREA-PERIM'R	PERIM'R BORE (4.5-6')	85RNV444	06/25/85	ND	(0.04)	6-267	
06/06/85	LAGOON AREA-PERIM'R	PERIM'R BORE (0-1.5')	85RNV445	08/28/85	0.06		8-115	

*** CONFIDENTIAL ***
Summary of TCDD Analytical Results
Verona Sampling and Analysis Plan - SOIL
FILE: VERTCDD5.DBF USING: VERTCDDS.FRM

DATE SAMPLED	LOCATION	DESCRIPTION	ANALYTICAL LOG NO.	DATE EXTRACTED	TCDD (ppb)	(Limit)	ANALYSIS REF. (TCDD:)	COMMENTS
06/06/85	LAGOON AREA-PERIM'R	PERIM'R BORE (1.5-3')	85ENV446	06/25/85	ND	(0.09)	6-394	
06/06/85	LAGOON AREA-PERIM'R	PERIM'R BORE (3-4.5')	85ENV447	06/26/85	ND	(0.02)	6-284	
06/06/85	LAGOON AREA-PERIM'R	PERIM'R BORE (4.5-6')	85ENV448	06/26/85	ND	(0.01)	6-250	
06/06/85	LAGOON AREA-PERIM'R	PERIM'R BORE (0-1.5')	85ENV449	06/26/85	ND	(0.04)	6-394	
06/06/85	LAGOON AREA-PERIM'R	PERIM'R BORE (1.5-3')	85ENV450	06/26/85	ND	(0.01)	6-284	
06/06/85	LAGOON AREA-PERIM'R	PERIM'R BORE (3-4.5')	85ENV451	06/26/85	ND	(0.01)	6-284	
06/06/85	LAGOON AREA-PERIM'R	PERIM'R BORE (4.5-6')	85ENV452	06/26/85	ND	(0.02)	6-284	
05/29/85	LAGOON AREA	COMP. OF 4 (0-1.5')	85ENV404	06/10/85	0.18		6-090	
05/29/85	LAGOON AREA	COMP. OF 4 (0-1.5')	85ENV405	06/07/85	1.20		6-114	
05/24/85	LAGOON AREA	COMP. OF 4 (0-1.5')	85ENV314	06/07/85	741.00		8-050	
05/24/85	LAGOON AREA	COMP. OF 4 (0-1.5')	85ENV314-D	09/19/85	1350.00		8-191	Duplicate / ID by
05/24/85	LAGOON AREA	COMP. OF 4 (0-1.5')	85ENV315	05/31/85	78.30		6-053	ID by GC/MS (8-20
05/24/85	LAGOON AREA	COMP. OF 4 (0-1.5')	85ENV315-D	06/07/85	34.00		8-050	Duplicate Analysis
05/29/85	LAGOON AREA	COMP. OF 4 (1.5-3')	85ENV406	08/05/85	1.10		6-409	
05/29/85	LAGOON AREA	COMP. OF 4 (1.5-3')	85ENV407	06/10/85	0.23		6-090	
05/24/85	LAGOON AREA	COMP. OF 4 (1.5-3')	85ENV316	05/31/85	30.60		6-053	
05/24/85	LAGOON AREA	COMP. OF 4 (1.5-3')	85ENV317	05/30/85	1.50		6-043	
05/29/85	LAGOON AREA	COMP. OF 4 (3-4.5')	85ENV408	06/07/85	2.00		6-114	
05/29/85	LAGOON AREA	COMP. OF 4 (3-4.5')	85ENV409	06/10/85	0.04		6-090	
05/24/85	LAGOON AREA	COMP. OF 4 (3-4.5')	85ENV318	05/30/85	6.60		6-043	
05/24/85	LAGOON AREA	COMP. OF 4 (3-4.5')	85ENV318-D	05/31/85	7.10		6-053	Duplicate Ar /sis
05/24/85	LAGOON AREA	COMP. OF 4 (3-4.5')	85ENV319	06/03/85	1.90		6-064	
05/29/85	LAGOON AREA	COMP. OF 4 (4.5-6')	85ENV410	06/07/85	ND	(0.09)	6-114	
05/29/85	LAGOON AREA	COMP. OF 4 (4.5-6')	85ENV411	06/10/85	ND	(0.03)	6-090	
05/24/85	LAGOON AREA	COMP. OF 4 (4.5-6')	85ENV320	06/03/85	2.10		6-064	
05/24/85	LAGOON AREA	COMP. OF 4 (4.5-6')	85ENV321	06/03/85	0.28		6-064	
05/22/85	LAGOON AREA	COMP. OF 4 (0-1.5')	85ENV322	06/03/85	14.20		6-081	
05/23/85	LAGOON AREA	COMP. OF 4 (0-1.5')	85ENV323	06/03/85	12.00		6-081	
05/22/85	LAGOON AREA	COMP. OF 4 (1.5-3')	85ENV324	06/03/85	1.10		6-064	
05/23/85	LAGOON AREA	COMP. OF 4 (1.5-3')	85ENV325	06/03/85	1.00		6-064	
05/22/85	LAGOON AREA	COMP. OF 4 (3-4.5')	85ENV326	06/03/85	4.20		6-081	
05/23/85	LAGOON AREA	COMP. OF 4 (3-4.5')	85ENV327	06/03/85	0.97		6-064	
05/22/85	LAGOON AREA	COMP. OF 4 (4.5-6')	85ENV328	06/03/85	0.16		6-064	
05/23/85	LAGOON AREA	COMP. OF 4 (4.5-6')	85ENV329	06/09/85	0.08		6-236	
06/04/85	LAGOON AREA	COMP. OF 4 (0-1.5')	85ENV416	06/11/85	4.30		6-125	
06/04/85	LAGOON AREA	COMP. OF 4 (1.5-3')	85ENV418	06/11/85	1.10		6-125	

*** CONFIDENTIAL ***
Summary of TCDD Analytical Results
Verona Sampling and Analysis Plan - SOIL
FILE: VERTCDD5.DBF USING: VERTCDDS.FRM

DATE SAMPLED	LOCATION	DESCRIPTION	ANALYTICAL LOG NO.	DATE EXTRACTED	TCDD (ppb)	(Limit)	ANALYSIS REF. (TCDD:)	COMMENTS
06/04/85	LAGOON AREA	COMP. OF 4 (3-4.5')	85ENV420	06/11/85	ND	(0.17)	6-165	
06/04/85	LAGOON AREA	COMP. OF 4 (4.5-6')	85ENV422	06/11/85	ND	(0.04)	6-165	
05/31/85	LAGOON AREA	COMP. OF 4 (0-1.5')	85ENV412	06/10/85	3.30		6-090	
06/03/85	LAGOON AREA	COMP. OF 4 (0-1.5')	85ENV453	06/26/85	0.86		6-284	
05/31/85	LAGOON AREA	COMP. OF 4 (1.5-3')	85ENV413	06/10/85	0.01		6-090	
06/03/85	LAGOON AREA	COMP. OF 4 (1.5-3')	85ENV454	06/26/85	ND	(0.02)	6-326	
05/31/85	LAGOON AREA	COMP. OF 4 (3-4.5')	85ENV414	06/11/85	ND	(0.01)	6-125	
06/03/85	LAGOON AREA	COMP. OF 4 (3-4.5')	85ENV455	06/26/85	ND	(0.01)	6-326	
05/31/85	LAGOON AREA	COMP. OF 4 (4.5-6')	85ENV415	06/11/85	ND	(0.04)	6-165	
06/03/85	LAGOON AREA	COMP. OF 4 (4.5-6')	85ENV456	06/26/85	ND	(0.02)	6-326	
05/31/85	LAGOON AREA	COMP. OF 4 (0-1.5')	85ENV417	06/11/85	0.07		6-125	
05/31/85	LAGOON AREA	COMP. OF 4 (1.5-3')	85ENV419	06/11/85	ND	(0.01)	6-125	
05/31/85	LAGOON AREA	COMP. OF 4 (3-4.5')	85ENV421	06/11/85	ND	(0.09)	6-165	
05/31/85	LAGOON AREA	COMP. OF 4 (4.5-6')	85ENV423	06/11/85	ND	(0.05)	6-165	

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Summary of TCDD Analytical Results
Verona Sampling and Analysis Plan - SOIL
FILE: VRRTCDD5.DBF USING: VERTCDDS.FRM

DATE SAMPLED	LOCATION	DESCRIPTION	ANALYTICAL LOG NO.	DATE EXTRACTED	TCDD (ppb)	(Limit)	ANALYSIS REF. (TCDD:)	COMMENTS
04/29/85	NORTH FENCE LINE	INDIVIDUAL-SURFACE	85ENV201	05/14/85	0.80		5-271	
04/29/85	NORTH FENCE LINE	INDIVIDUAL-SURFACE	85ENV201-D	09/18/85	4.60		8-167	Duplicate / ID by
04/29/85	NORTH FENCE LINE	INDIVIDUAL-SURFACE	85ENV202	05/14/85	ND	(0.05)	5-271	
04/29/85	NORTH FENCE LINE	INDIVIDUAL-SURFACE	85ENV203	05/14/85	ND	(0.02)	5-271	
04/29/85	NORTH FENCE LINE	INDIVIDUAL-SURFACE	85ENV204	05/14/85	ND	(0.10)	5-254	
04/29/85	NORTH FENCE LINE	INDIVIDUAL-SURFACE	85ENV205	05/14/85	ND	(0.04)	5-254	
04/29/85	NORTH FENCE LINE	INDIVIDUAL-SURFACE	85ENV206	05/15/85	ND	(0.14)	5-254	
04/29/85	NORTH FENCE LINE	INDIVIDUAL-SURFACE	85ENV207	05/14/85	0.13		5-254	
04/29/85	NORTH FENCE LINE	INDIVIDUAL-SURFACE	85ENV208	05/15/85	ND	(0.09)	5-254	
04/29/85	NORTH FENCE LINE	INDIVIDUAL-SURFACE	85ENV209	05/15/85	ND	(0.05)	5-254	
04/29/85	NORTH FENCE LINE	INDIVIDUAL-SURFACE	85ENV210	05/15/85	ND	(0.07)	5-254	
04/29/85	NORTH FENCE LINE	INDIVIDUAL-SURFACE	85ENV211	05/15/85	ND	(0.12)	5-254	
04/29/85	NORTH FENCE LINE	INDIVIDUAL-SURFACE	85ENV212	05/15/85	ND	(0.05)	5-254	
04/29/85	NORTH FENCE LINE	INDIVIDUAL-SURFACE	85ENV213	05/15/85	ND	(0.04)	5-254	
04/29/85	NORTH FENCE LINE	INDIVIDUAL-SURFACE	85ENV214	05/15/85	ND	(0.06)	5-293	

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Summary of TCDD Analytical Results
Verona Sampling and Analysis Plan - SOIL
FILE: VERTCDD5.DBF USING: VERTCDD5.FRM

DATE SAMPLED	LOCATION	DESCRIPTION	ANALYTICAL LOG NO.	DATE EXTRACTED	TCDD (ppb)	(Limit)	ANALYSIS REF. (TCDD:)	COMMENTS
05/01/85	10' SLOUGH OFF. WEST	COMPOSITE	85ENV220	05/16/85	ND	(0.01)	5-293	
05/01/85	10' SLOUGH OFF. EAST	COMPOSITE	85ENV221	05/16/85	0.28		5-293	
05/01/85	10' SLOUGH OFF. WEST	COMPOSITE	85ENV222	05/16/85	ND	(0.07)	5-293	
05/01/85	10' SLOUGH OFF. EAST	COMPOSITE	85ENV223	05/16/85	ND	(0.07)	5-293	
05/01/85	10' SLOUGH OFF. WEST	COMPOSITE	85ENV224	05/16/85	ND	(0.22)	5-293	
05/01/85	10' SLOUGH OFF. EAST	COMPOSITE	85ENV225	05/16/85	ND	(0.21)	5-293	
04/30/85	10' SLOUGH OFF. WEST	COMPOSITE	85ENV226	05/16/85	0.27		5-293	
05/02/85	10' SLOUGH OFF. EAST	COMPOSITE	85ENV227	05/16/85	ND	(0.08)	5-293	
05/07/85	SLOUGH AREA	COMPOSITE	85ENV228	05/16/85	3.80		5-320	
05/07/85	SLOUGH AREA	COMPOSITE	85ENV229	05/16/85	2.20		5-331	
05/07/85	SLOUGH AREA	COMPOSITE	85ENV230	05/17/85	1.20		5-320	
05/07/85	SLOUGH AREA	COMPOSITE	85ENV231	05/17/85	ND	(0.05)	5-311	
05/07/85	SLOUGH AREA	COMPOSITE	85ENV232	05/17/85	3.10		5-331	
05/07/85	SLOUGH AREA	COMPOSITE	85ENV233	05/17/85	ND	(0.05)	5-331	
05/07/85	SLOUGH AREA	COMPOSITE	85ENV234	05/17/85	0.72		5-320	
05/07/85	SLOUGH AREA	COMPOSITE	85ENV235	05/17/85	ND	(0.08)	5-331	
05/07/85	SLOUGH AREA	COMPOSITE	85ENV236	05/17/85	0.72		5-331	
05/07/85	SLOUGH AREA	COMPOSITE	85ENV237	05/17/85	ND	(0.09)	5-331	
05/07/85	SLOUGH AREA	COMPOSITE	85ENV238	05/17/85	ND	(0.16)	5-331	
05/07/85	SLOUGH AREA	COMPOSITE	85ENV239	05/17/85	ND	(0.04)	5-347	
05/08/85	SLOUGH AREA	COMPOSITE	85ENV240	05/17/85	0.14		5-347	
05/08/85	SLOUGH AREA	COMPOSITE	85ENV241	05/18/85	ND	(0.06)	5-347	
05/08/85	SLOUGH AREA	COMPOSITE	85ENV242	05/18/85	5.30		5-347	ID by GC/MS (5-347
05/08/85	SLOUGH AREA	COMPOSITE	85ENV242-D	09/18/85	2.00		8-167	Duplicate / ID by
05/08/85	SLOUGH AREA	COMPOSITE	85ENV243	05/18/85	0.16		5-347	
05/08/85	SLOUGH AREA	COMPOSITE	85ENV244	05/18/85	ND	(0.20)	5-367	
05/08/85	SLOUGH AREA	COMPOSITE	85ENV245	05/18/85	ND	(0.11)	5-367	
05/08/85	SLOUGH AREA	COMPOSITE	85ENV246	05/17/85	2.90		5-367	
05/08/85	SLOUGH AREA	COMPOSITE	85ENV247	05/18/85	ND	(0.03)	5-367	
05/08/85	SLOUGH AREA	COMPOSITE	85ENV248	05/17/85	0.25		5-367	
05/08/85	SLOUGH AREA	COMPOSITE	85ENV249	05/18/85	ND	(0.04)	5-367	
05/08/85	SLOUGH AREA	COMPOSITE	85ENV250	05/18/85	ND	(0.22)	5-367	
05/08/85	SLOUGH AREA	COMPOSITE	85ENV251	05/21/85	ND	(0.08)	5-367	
05/08/85	SLOUGH AREA	COMPOSITE	85ENV252	05/21/85	0.45		5-367	
05/08/85	SLOUGH AREA	COMPOSITE	85ENV253	05/21/85	ND	(0.06)	5-385	

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Summary of TCDD Analytical Results
Verona Sampling and Analysis Plan - SOIL
FILE: VERTCDD5.DBF USING: VERTCDDS.FRM

DATE SAMPLED	LOCATION	DESCRIPTION	ANALYTICAL LOG NO.	DATE EXTRACTED	TCDD (ppb)	(Limit)	ANALYSIS REF. (TCDD:)	COMMENTS
04/22/85	SPILL AREA	COMPOSITE-ROW 1	85ENV149	05/03/85	5.90		5-130	
04/22/85	SPILL AREA	COMPOSITE-ROW 1	85ENV149-D	09/18/85	3.60		8-167	Duplicate / ID by G
04/22/85	SPILL AREA	COMPOSITE-ROW 2	85ENV152	05/09/85	1.20		5-145	
04/22/85	SPILL AREA	COMPOSITE-ROW 3	85ENV151	05/09/85	0.41		5-145	
04/22/85	SPILL AREA	COMPOSITE-ROW 4	85ENV150	05/07/85	0.83		5-145	
04/23/85	SPILL AREA	COMPOSITE-ROW 5	85ENV154	05/09/85	0.37		5-145	
04/23/85	SPILL AREA	COMPOSITE-ROW 6	85ENV153	05/09/85	ND	(0.07)	5-145	
04/23/85	SPILL AREA	COMPOSITE-ROW 7	85ENV155	05/09/85	0.82		5-145	
04/23/85	SPILL AREA	COMPOSITE-ROW 8	85ENV156	05/09/85	4.90		5-145	

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Summary of TCDD Analytical Results
Verona Sampling and Analysis Plan - SOIL
FILE: VERTCDD5.DBF USING: VERTCDD5.FRM

DATE SAMPLED	LOCATION	DESCRIPTION	ANALYTICAL LOG NO.	DATE EXTRACTED	TCDD (ppb)	(Limit)	ANALYSIS REF. (TCDD:)	COMMENTS
06/28/85	TRENCH AREA	COMP. FOR HOLE #5.1	85RNV547	07/22/85	ND	(0.02)	6-218	
07/29/85	TRENCH AREA	COMP. FOR HOLE #5.2	85RNV587	08/05/85	ND	(0.32)	6-409	
06/19/85	TRENCH AREA	COMP. FOR HOLE #9.1	85RNV532	06/27/85	0.05		6-250	
06/24/85	TRENCH AREA	COMP. FOR HOLE #9.2	85RNV546	07/22/85	ND	(0.02)	6-218	
06/17/85	TRENCH AREA	COMP. FOR HOLE #12.1	85RNV533	06/27/85	ND	(0.01)	8-115	
06/13/85	TRENCH AREA	COMP. FOR HOLE #12.2	85RNV534	06/27/85	ND	(0.02)	6-250	
07/03/85	TRENCH AREA	COMP. FOR HOLE #19.1	85RNV548	07/22/85	ND	(0.03)	6-218	
07/12/85	TRENCH AREA	COMP. FOR HOLE #19.2	85RNV592	09/03/85	ND	(0.01)	8-147	
08/06/85	TRENCH AREA	COMP. 0-2' SAMPLES	85RNV608	08/28/85	0.13		8-115	
08/06/85	TRENCH AREA	COMP. 2-5' SAMPLES	85RNV609	09/03/85	0.01		8-147	

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Multiple Analytes Results Summary - VERONA SOIL

FILE: ANALMUL4.DBF USING: LISTMUL4.FRM

LE E	LOCATION	DESCRIPTION	ANALYTICAL LOG NO.	TCB EXTRN DATE	ANALYSIS REF. (TCB:)	1245-TCB (ppb)	(Limit)	PHENOLS EXTRN DATE	ANALYSIS REF. (PHEN:)	245-TCP (ppb)	(Limit)	HEX (ppb)	(Limit)	COMMENTS
/85	GRID	COMPOSITE	85ENV086	10/15/85	12-110	ND	(1.4)	10/15/85	13-237	ND	(2.1)	ND	(3.4)	
/85	GRID	COMPOSITE	85ENV094	06/20/85	12-001	ND	(2.5)	10/08/85	13-097	ND	(8.3)	30.6		
/85	GRID	COMPOSITE	85ENV097	06/20/85	12-001	ND	(1.0)	10/08/85	13-097	ND	(5.2)	ND	(0.3)	
/85	GRID	COMPOSITE	85ENV114	07/03/85	12-014	ND	(2.5)	10/08/85	13-097	ND	(4.6)	36.6		
/85	GRID	COMPOSITE	85ENV115	07/03/85	12-014	ND	(2.3)	10/08/85	13-097	ND	(5.5)	19.2		
/85	GRID	COMPOSITE	85ENV116	07/03/85	12-014	3.2		10/08/85	13-097	ND	(9.0)	239		
/85	GRID	COMPOSITE	85ENV121	07/03/85	12-014	ND	(2.6)	10/08/85	13-097	ND	(8.3)	27.1		
/85	GRID	COMPOSITE	85ENV124	07/03/85	12-014	ND	(2.3)	10/09/85	13-153	ND	(8.7)	218		
/85	GRID	COMPOSITE	85ENV135	07/03/85	12-014	ND	(2.4)	10/09/85	13-153	ND	(6.1)	ND	(23)	
/85	GRID	COMPOSITE	85ENV135-D	10/29/85	12-200	ND	(3.5)	10/22/85	13-307	ND	(3.5)	19.5		Duplicate Analysis
/85	GRID	COMPOSITE	85ENV135-T	10/31/85	12-233	ND	(1.7)	10/29/85	13-361	ND	(2.1)	45.3		Triplicate Analysis
/85	GRID	COMPOSITE	85ENV135.Q	11/11/85	12-244	ND	(1.3)	/ /		-------		--------		Quadruplicate Analysis
/85	GRID	COMPOSITE	85ENV138	07/26/85	12-035	8.4		09/30/85	13-122	50.2		86.8		
/85	GRID	COMPOSITE	85ENV138-D	/ /		-------		10/09/85	13-153	48.3		358		Duplicate Analysis
/85	GRID	COMPOSITE	85ENV162	07/26/85	12-035	6.7		09/30/85	13-122	40.8		822		
/85	GRID	COMPOSITE	85ENV162-D	/ /		-------		10/09/85	13-153	8.8		397		Duplicate Analysis
/85	GRID	COMPOSITE	85ENV165	07/26/85	12-035	7.0		09/30/85	13-122	ND	(21)	30.3		
/85	GRID	COMPOSITE	85ENV165-D	11/11/85	12-244	ND	(1.0)	10/09/85	13-153	ND	(5.2)	94.5		Duplicate Analysis
/85	GRID	COMPOSITE	85ENV173	07/26/85	12-035	ND	(3.9)	09/30/85	13-122	ND	(26)	ND	(14)	
/85	GRID	COMPOSITE	85ENV173-D	11/12/85	12-257	ND	(2.6)	11/12/85	13-463	ND	(1.2)	109		Duplicate Analysis
/85	GRID	COMPOSITE	85ENV182	07/26/85	12-051	9.7		09/30/85	13-122	46.0		1270		
/85	GRID	COMPOSITE	85ENV182-D	/ /		-------		10/10/85	13-174	47.3		3740		Duplicate Analysis
/85	GRID	COMPOSITE	85ENV174	07/26/85	12-035	ND	(3.8)	09/30/85	13-122	ND	(6.0)	ND	(6.6)	
/85	GRID	COMPOSITE	85ENV174-D	/ /		-------		10/10/85	13-174	ND	(9.0)	ND	(25)	Duplicate Analysis
/85	GRID	COMPOSITE	85ENV186	07/26/85	12-051	ND	(5.9)	10/10/85	13-174	ND	(6.1)	ND	(36)	
/85	GRID	COMPOSITE	85ENV186-D	11/11/85	12-244	ND	(1.8)	11/11/85	13-463	ND	(3.7)	17.7		Duplicate Analysis
/85	GRID	COMPOSITE	85ENV181	07/26/85	12-051	ND	(5.0)	09/30/85	13-122	ND	(7.1)	ND	(6.6)	
/85	GRID	COMPOSITE	85ENV181-D	/ /		-------		10/10/85	13-174	ND	(7.5)	ND	(15)	Duplicate Analysis
5	IRRIGATION AREA	COMP. OF 8 (0-1')	85ENV254	08/01/85	12-087	238		10/13/85	13-206	1260		13800		
5	IRRIGATION AREA	COMP. OF 8 (0-1')	85ENV254-D	11/11/85	12-244	209		11/11/85	13-463	818		5450		TCB/TCP/HEX by GC/MS (12-2
5	IRRIGATION AREA	COMP. OF 8 (0-1')	85ENV254-T	11/12/85	12-257	182		11/12/85	13-463	629		4130		Triplicate Analysis
5	LAGOON AREA	COMP. OF 4 (3-4.5')	85ENV409	08/01/85	12-087	42.2		10/07/85	13-060	103		4730		
5	LAGOON AREA	COMP. OF 4 (3-4.5')	85ENV319	08/01/85	12-087	177		10/06/85	13-039	1540		31000		
5	LAGOON AREA	COMP. OF 4 (4.5-6')	85ENV411	08/09/85	12-061	62.7		10/07/85	13-060	243		12600		TCP/HEX ID by GC/MS (13-0
5	LAGOON AREA	COMP. OF 4 (4.5-6')	85ENV321	08/01/85	12-087	29.5		10/13/85	13-206	270		12500		
5	LAGOON AREA	COMP. OF 4 (3-4.5')	85ENV326	08/01/85	12-087	116		10/06/85	13-039	265		15100		

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Multiple Analytes Results Summary - VERONA SOIL

FILE: ANALMUL4.DBF USING: LISTMUL4.FRM

IPLE IE	LOCATION	DESCRIPTION	ANALYTICAL LOG NO.	TCB EXTRN DATE	ANALYSIS REF. (TCB:)	1245-TCB (ppb)	(Limit)	PHENOLS EXTRN DATE	ANALYSIS REF. (PHEN:)	245-TCP (ppb)	(Limit)	HEX (ppb)	(Limit)	COMMENTS
3/85	LAGOON AREA	COMP. OF 4 (3-4.5')	85ENV327	08/01/85	12-087	51.0		10/06/85	13-039	701		46200		
2/85	LAGOON AREA	COMP. OF 4 (4.5-6')	85ENV328	08/01/85	12-087	30.0		10/13/85	13-206	337		8890		
3/85	LAGOON AREA	COMP. OF 4 (4.5-6')	85ENV329	08/01/85	12-087	22.5		10/07/85	13-060	147		2550		
/85	LAGOON AREA	COMP. OF 4 (3-4.5')	85ENV420	08/09/85	12-061	12.2		11/11/85	13-463	21.4		1270		
/85	LAGOON AREA	COMP. OF 4 (3-4.5')	85ENV420-D	10/13/85	12-257	30.7		11/12/85	13-463	13.3		616		Duplicate Analysis
/85	LAGOON AREA	COMP. OF 4 (3-4.5')	85ENV420-T	11/12/85	12-257	41.3		/ /		-------		--------		Triplicate Analysis
/85	LAGOON AREA	COMP. OF 4 (4.5-6')	85ENV422	08/09/85	12-061	25.7		10/13/85	13-206	31.8		3690		
1/85	LAGOON AREA	COMP. OF 4 (3-4.5')	85ENV414	08/09/85	12-061	27.7		10/07/85	13-060	91.0		4670		
1/85	LAGOON AREA	COMP. OF 4 (4.5-6')	85ENV415	08/09/85	12-061	14.0		10/07/85	13-060	69.0		3290		
/85	LAGOON AREA-PERIM'R	PERIM'R BORE (0-1.5')	85ENV427	08/09/85	12-061	6.4		10/13/85	13-206	11.8		766		
/85	LAGOON AREA-PERIM'R	PERIM'R BORE (1.5-3')	85ENV428	08/09/85	12-061	11.8		10/14/85	13-228	10.5		81.9		
/85	LAGOON AREA-PERIM'R	PERIM'R BORE (3-4.5')	85ENV530	10/28/85	12-180	1.2		10/28/85	13-415	4.4		189		
/85	LAGOON AREA-PERIM'R	PERIM'R BORE (4.5-6')	85ENV531	10/28/85	12-180	ND	(3.5)	10/28/85	13-415	3.0		238		
/85	LAGOON AREA-PERIM'R	PERIM'R BORE (0-1.5')	85ENV429	08/09/85	12-061	54.5		11/11/85	13-463	468		53200		
/85	LAGOON AREA-PERIM'R	PERIM'R BORE (0-1.5')	85ENV429-D	10/14/85	12-257	108		11/12/85	13-463	557		81200		Duplicate Analysis
/85	LAGOON AREA-PERIM'R	PERIM'R BORE (0-1.5')	85ENV429-T	11/12/85	12-257	159		/ /		-------		--------		Triplicate Analysis
/85	LAGOON AREA-PERIM'R	PERIM'R BORE (1.5-3')	85ENV430	10/15/85	12-110	216		10/15/85	13-237	0.4		534		TCB ID by GC/MS (12-1
/85	LAGOON AREA-PERIM'R	PERIM'R BORE (3-4.5')	85ENV431	10/15/85	12-110	8.7		10/15/85	13-237	889		65900		TCP/HEX ID by GC/MS (13-2
/85	LAGOON AREA-PERIM'R	PERIM'R BORE (4.5-6')	85ENV432	10/15/85	12-110	ND	(1.7)	10/15/85	13-237	5.5		296		
85	LAGOON AREA-PERIM'R	PERIM'R BORE (0-1.5')	85ENV433	10/16/85	12-110	36.9		10/16/85	13-278	725		27200		
85	LAGOON AREA-PERIM'R	PERIM'R BORE (1.5-3')	85ENV434	10/16/85	12-110	465		10/16/85	13-278	5360		117000		TCB ID by GC/ ;12-1
85	LAGOON AREA-PERIM'R	PERIM'R BORE (3-4.5')	85ENV435	10/16/85	12-110	250		10/16/85	13-278	2360		56500		
85	LAGOON AREA-PERIM'R	PERIM'R BORE (4.5-6')	85ENV436	10/16/85	12-137	91.4		10/16/85	13-278	807		26100		
85	LAGOON AREA-PERIM'R	PERIM'R BORE (0-1.5')	85ENV437	10/16/85	12-137	178		10/16/85	13-296	3480		170000		
85	LAGOON AREA-PERIM'R	PERIM'R BORE (1.5-3')	85ENV438	10/16/85	12-137	36.1		10/16/85	13-296	91.4		6640		
85	LAGOON AREA-PERIM'R	PERIM'R BORE (3-4.5')	85ENV439	10/17/85	12-137	23.8		10/17/85	13-334	3.2		320		
85	LAGOON AREA-PERIM'R	PERIM'R BORE (4.5-6')	85ENV440	10/17/85	12-137	20.0		10/17/85	13-334	10.5		4150		
85	LAGOON AREA-PERIM'R	PERIM'R BORE (0-1.5')	85ENV441	10/17/85	12-137	3.9		10/17/85	13-334	3.8		397		
85	LAGOON AREA-PERIM'R	PERIM'R BORE (1.5-3')	85ENV442	10/17/85	12-137	ND	(2.8)	10/17/85	13-334	2.3		190		
5	LAGOON AREA-PERIM'R	PERIM'R BORE (3-4.5')	85ENV443	10/17/85	12-137	ND	(2.8)	10/17/85	13-334	ND	(2.4)	42.1		
5	LAGOON AREA-PERIM'R	PERIM'R BORE (4.5-6')	85ENV444	10/17/85	12-137	ND	(4.9)	10/17/85	13-334	ND	(1.8)	178		
5	LAGOON AREA-PERIM'R	PERIM'R BORE (0-1.5')	85ENV445	10/31/85	12-208	8.3		10/22/85	13-307	51.6		3090		
5	LAGOON AREA-PERIM'R	PERIM'R BORE (1.5-3')	85ENV446	10/31/85	12-208	3.3		10/22/85	13-307	90.5		8070		
5	LAGOON AREA-PERIM'R	PERIM'R BORE (3-4.5')	85ENV447	10/31/85	12-208	2.6		10/22/85	13-307	5.5		42.9		
5	LAGOON AREA-PERIM'R	PERIM'R BORE (4.5-6')	85ENV448	10/31/85	12-223	ND	(3.3)	10/22/85	13-307	ND	(4.7)	169		
5	LAGOON AREA-PERIM'R	PERIM'R BORE (0-1.5')	85ENV449	10/28/85	12-180	ND	(2.8)	10/28/85	13-415	ND	(4.7)	8.4		

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Multiple Analytes Results Summary - VERONA SOIL

FILE: ANALMUL4.DBF USING: LISTMULA.FRM

MPLE ATE	LOCATION	DESCRIPTION	ANALYTICAL LOG NO.	TCB EXTRN DATE	ANALYSIS REF. (TCB:)	1245-TCB (ppb)	(limit)	PHENOLS EXTRN DATE	ANALYSIS REF. (PHEN:)	245-TCP (ppb)	(Limit)	HEX (ppb)	(Limit)	COMMENTS
/85	LAGOON AREA-PERIM'R	PERIM'R BORE (1.5-3')	85ENV450	10/28/85	12-180	ND	(1.0)	10/28/85	13-415	ND	(4.7)	ND	(4.3)	
/85	LAGOON AREA-PERIM'R	PERIM'R BORE (3-4.5')	85ENV451	10/28/85	12-180	ND	(4.9)	10/28/85	13-415	ND	(3.5)	17.4		
/85	LAGOON AREA-PERIM'R	PERIM'R BORE (4.5-6')	85ENV452	10/28/85	12-180	0.9		10/28/85	13-415	ND	(3.5)	18.7		
8/85	TRENCH AREA	COMP. FOR HOLE #5.1	85ENV547	10/30/85	12-181	ND	(1.0)	10/30/85	13-440	1430		ND	(2.4)	
9/85	TRENCH AREA	COMP. FOR HOLE #5.2	85ENV507	10/30/85	12-208	ND	(5.4)	10/30/85	13-440	41.8		4.0		
9/85	TRENCH AREA	COMP. FOR HOLE #9.1	85ENV532	10/29/85	12-180	15.7		10/29/85	13-361	14.1		ND	(2.0)	
4/85	TRENCH AREA	COMP. FOR HOLE #9.2	85ENV546	10/29/85	12-180	ND	(6.9)	10/29/85	13-361	30.1		3.2		
7/85	TRENCH AREA	COMP. FOR HOLE #12.1	85ENV533	10/29/85	12-180	ND	(0.6)	10/29/85	13-361	15.1		ND	(3.1)	
3/85	TRENCH AREA	COMP. FOR HOLE #12.2	85ENV534	10/29/85	12-180	ND	(0.9)	10/29/85	13-361	ND	(3.2)	37.2		
/85	TRENCH AREA	COMP. FOR HOLE #19.1	85ENV548	10/30/85	12-208	ND	(1.1)	10/30/85	13-440	9.6		ND	(2.1)	
/85	TRENCH AREA	COMP. FOR HOLE #19.1	85ENV548-D	11/12/85	12-257	ND	(1.3)	11/12/85	13-490	5.4		3.3		Duplicate Analysis
2/85	TRENCH AREA	COMP. FOR HOLE #19.2	85ENV592	10/30/85	12-208	ND	(2.7)	10/30/85	13-440	3.9		5.4		
/85	TRENCH AREA	COMP. 0-2' SAMPLES	85ENV608	10/30/85	12-208	67.3		10/30/85	13-440	61.4		3490		
/85	TRENCH AREA	COMP. 0-2' SAMPLES	85ENV608-D	11/12/85	12-257	79.6		11/12/85	13-498	33.1		1230		Duplicate Analysis
/85	TRENCH AREA	COMP. 2-5' SAMPLES	85ENV609	10/30/85	12-208	19.5		10/30/85	13-440	5.2		128		

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TCDD ANALYSIS RESULTS SUMMARY - VERONA EQUIPMENT WIPE TESTS

FILE: VEREQ_R2.DBF USING: VEREQ.FRM

	LOCATION	DESCRIPTION	DATE SAMPLED	ANALYTICAL LOG NO.	DATE EXTRACTED	TCDD (ng)	(Limit)	ANALYSIS REF. (TCDD:)	COMMENTS
	BUILDING V-1	1200 GAL. MONEL-LINED	07/05/85	85ENV545	07/12/85	ND	(0.55)	7-046	WIPE AREA 2 SQ. FT.
	BUILDING V-1	1000 GAL. CARBON STEEL	07/05/85	85ENV542	07/12/85	ND	(0.24)	7-046	WIPE AREA 2 SQ. FT.
	BUILDING V-1	1000 GAL. GLASS-LINED	07/05/85	85ENV543	07/12/85	ND	(0.43)	7-046	WIPE AREA 2 SQ. FT
	BUILDING V-1	1000 GAL. NICKEL-LINED	07/05/85	85ENV544	07/12/85	4.1		7-046	CALLED 1200 GAL. PLA
**	WEST FENCE	316 SS CUNO FILTER, 6A X	/ /		/ /				COULD NOT LOCATE THIS F
	WEST FENCE	7500 GAL. SOLVENT STORAGE	07/05/85	85ENV541	07/12/85	ND	(0.33)	7-046	NORTH TANK. WIPE AREA 1
	WEST FENCE	7500 GAL. SOLVENT STORAGE	07/05/85	85ENV549	07/12/85	ND	(0.86)	7-046	SOUTH TANK. WIPE AREA 8
	WEST FENCE	500 GAL. 304 SS MIXING TA	07/31/85	85ENV594	08/15/85	831.0		8-001	
04	WEST FENCE	500 GAL. 316 SS WEIGH TAN	07/31/85	85ENV605	08/21/85	21.2		8-018	PARTIALLY COLLAPSED.
	WEST FENCE	STEEL SCRUBBER, PHELPS MF	07/31/85	85ENV596	08/16/85	424.0		8-001	
5	WEST FENCE	ST. SHRIVER FILTER PRESS,	07/31/85	85ENV595	08/16/85	1422.0		8-001	
8	WEST FENCE	CONTINOUS FILTER,DRUM FIL	07/31/85	85ENV597	08/16/85	54.2		8-086	
01	WEST FENCE	300 GAL. SS CONE BOTTOM R	07/31/85	85ENV606	08/21/85	23.2		8-018	
79	WEST FENCE	200 GAL. 304 SS VAC. RECE	07/31/85	85ENV593	08/15/85	46.2		8-001	

No. 1
/85

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TCDD RESULTS SUMMARY - AIR MONITORING FILTERS
VERONA SAMPLING AND ANALYSIS PLAN
FILE: VERAIR1.DBF USING: VERAIR.FRM

R	DATE SAMPLED	LOCATION	DESCRIPTION	ANALYTICAL LOG NO.	DATE EXTRACTED	TCDD (ng)	(Limit)	ANALYSIS RRF. (TCDD:)	TCDD (ng/cu.M)	(Limit)	COMMENTS
	02/28/85	VERONA PLANT	South Fence	85ENV067	03/07/85	ND	(0.52)	4-200	ND	(0.18)	
	02/28/85	VERONA PLANT	Pre-Mix Area	85ENV068	03/07/85	ND	(0.27)	4-200	ND	(0.09)	
	02/28/85	VERONA PLANT	North Fence	85ENV069	03/07/85	ND	(0.20)	4-200	ND	(0.07)	
	02/28/85	VERONA PLANT	Rail Siding	85ENV070	03/07/85	ND	(0.28)	4-200	ND	(0.10)	
	03/29/85	VERONA PLANT	South Fence	85ENV077	04/02/85	ND	(0.13)	4-253	ND	(0.05)	
	03/29/85	VERONA PLANT	Pre-Mix Area	85ENV078	04/02/85	ND	(0.15)	4-253	ND	(0.05)	
	03/29/85	VERONA PLANT	North Fence	85ENV079	04/02/85	ND	(0.13)	4-253	ND	(0.05)	
	03/29/85	VERONA PLANT	Rail Siding	85ENV080	04/02/85	ND	(0.13)	4-253	ND	(0.05)	
	05/01/85	VERONA PLANT	South Fence	85ENV216	05/10/85						Analysis Fai
	05/01/85	VERONA PLANT	Pre-Mix Area	85ENV217	05/10/85						Analysis Fai
	05/01/85	VERONA PLANT	North Fence	85ENV218	05/10/85						Analysis Fai
	05/01/85	VERONA PLANT	Rail Siding	85ENV219	05/10/85						Analysis Fai
	05/22/85	VERONA PLANT	South Fence	85ENV331	05/29/85	ND	(0.13)	4-315	ND	(0.05)	
	05/22/85	VERONA PLANT	Pre-Mix Area	85ENV332	05/29/85	ND	(0.12)	4-315	ND	(0.04)	
	05/22/85	VERONA PLANT	North Fence	85ENV333	05/29/85	ND	(0.19)	4-315	ND	(0.07)	
	05/22/85	VERONA PLANT	Rail Siding	85ENV334	05/29/85	ND	(0.26)	4-315	ND	(0.09)	
	05/30/85	VERONA PLANT	South Fence	85ENV376	06/05/85	ND	(0.23)	4-350	ND	(0.08)	
	05/30/85	VERONA PLANT	Pre-Mix Area	85ENV377	06/05/85	ND	(0.15)	4-350	ND	(0.05)	
	05/30/85	VERONA PLANT	North Fence	85ENV378	06/05/85	ND	(0.38)	4-350	ND	(0.13)	
	05/30/85	VERONA PLANT	Rail Siding	85ENV379	06/05/85	ND	(0.16)	4-350	ND	(0.06)	
	06/28/85	VERONA PLANT	South Fence	85ENV537	07/03/85	ND	(0.23)	7-087	ND	(0.08)	
	06/28/85	VERONA PLANT	Pre-Mix Area	85ENV538	07/03/85	ND	(0.26)	7-087	ND	(0.09)	
	06/28/85	VERONA PLANT	North Fence	85ENV539	07/03/85	ND	(0.25)	7-087	ND	(0.09)	
	06/28/85	VERONA PLANT	Rail Siding	85ENV540	07/03/85	ND	(0.27)	7-087	ND	(0.09)	
	07/29/85	VERONA PLANT	South Fence	85ENV579	08/12/85	ND	(0.38)	7-177	ND	(0.13)	
	07/29/85	VERONA PLANT	Pre-Mix Area	85ENV580	08/12/85	ND	(0.24)	7-177	ND	(0.08)	
	07/29/85	VERONA PLANT	North Fence	85ENV581	08/12/85	ND	(0.32)	7-177	ND	(0.11)	
	07/29/85	VERONA PLANT	Rail Siding	85ENV582	08/12/85	ND	(0.54)	7-177	ND	(0.13)	
	08/29/85	VERONA PLANT	South Fence	85ENV625	09/09/85	ND	(0.40)	7-268	ND	(0.14)	
	08/29/85	VERONA PLANT	Pre-Mix Area	85ENV626	09/09/85	ND	(0.39)	7-268	ND	(0.14)	
	08/29/85	VERONA PLANT	North Fence	85ENV627	09/09/85	ND	(1.00)	7-268	ND	(0.35)	
	08/29/85	VERONA PLANT	Rail Siding	85ENV628	09/09/85	ND	(0.72)	7-268	ND	(0.25)	
	09/27/85	VERONA PLANT	South Fence	85ENV656	10/10/85	ND	(0.32)	9-053	ND	(0.11)	
	09/27/85	VERONA PLANT	Pre-Mix Area	85ENV657	10/10/85	ND	(0.62)	9-053	ND	(0.22)	
	09/27/85	VERONA PLANT	North Fence	85ENV658	10/10/85	ND	(0.72)	9-053	ND	(0.25)	
	09/27/85	VERONA PLANT	Rail Siding	85ENV659	10/10/85	ND	(0.26)	9-053	ND	(0.09)	

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Summary of TCDD Analytical Results
Verona Monitoring Wells - WATER
FILE: VWELLR3.DBF USING: VERWELLS.FRM

SAMPLE NO.	DATE SAMPLED	ANALYTICAL LOG NO.	DATE EXTRACTED	TCDD (pptr)	(Limit)	ANALYSIS REF. (TCDD:)	COMMENTS
01-09-09-85	09/09/85	85ENV639	09/27/85	ND	(0.20)	8-269	EPA took 12, 80 oz. splits.
01-10-15-85	10/15/85	85ENV662	10/17/85	ND	(0.26)	10-001	
01-11-14-85	11/14/85	85ENV762	11/20/85	ND	(0.36)	10-101	
02-09-09-85	09/09/85	85ENV634	09/27/85	ND	(0.17)	8-269	
02-09-09-85	09/09/85	85ENV634-D	09/30/85	ND	(0.19)	8-269	Duplicate Analysis
02-10-15-85	10/15/85	85ENV663	10/17/85	ND	(0.24)	10-001	
02-11-14-85	11/14/85	85ENV763	11/20/85	ND	(0.49)	10-101	
03-09-09-85	09/09/85	85ENV640	09/27/85	ND	(0.18)	8-269	
03-10-15-85	10/15/85	85ENV664	10/17/85	ND	(0.15)	10-001	
03-11-14-85	11/14/85	85ENV764	11/20/85	ND	(0.34)	10-101	
04-09-09-85	09/09/85	85ENV641	09/27/85	ND	(0.17)	8-269	
04-10-15-85	10/15/85	85ENV665	10/17/85	ND	(0.23)	10-001	
04-11-14-85	11/14/85	85ENV765	11/20/85	ND	(0.43)	10-101	
05-09-09-85	09/09/85	85ENV642	09/27/85	ND	(0.21)	8-269	EPA took 12, 80 oz. splits.
05-10-15-85	10/15/85	85ENV666	10/17/85	ND	(0.34)	10-001	
05-10-15-85	10/15/85	85ENV666-D	10/18/85	ND	(0.33)	10-034	Duplicate Analysis
05-11-14-85	11/14/85	85ENV766	11/21/85	ND	(0.35)	10-101	
06-09-10-85	09/10/85	85ENV643	09/27/85	ND	(0.18)	8-269	EPA took 12, 80 oz. splits.
06-10-15-85	10/15/85	85ENV667	10/17/85	ND	(0.26)	10-001	
06-11-14-85	11/14/85	85ENV767	11/21/85	ND	(0.58)	10-101	
07-09-10-85	09/10/85	85ENV644	09/27/85	ND	(0.15)	8-269	EPA took 12, 80 oz. splits.
07-10-15-85	10/15/85	85ENV668	10/17/85	ND	(0.38)	10-001	
07-11-14-85	11/14/85	85ENV768	11/21/85	ND	(0.51)	10-101	
08-09-10-85	09/10/85	85ENV645	09/27/85	ND	(0.16)	8-304	EPA took 12, 80 oz. splits.
08-10-15-85	10/15/85	85ENV669	10/17/85	1.2		10-001	
08-10-15-85	10/15/85	85ENV669-D	10/23/85	1.1		10-051	Duplicate Analysis
08-10-29-85	10/29/85	85ENV713	11/01/85	ND	(0.32)	10-066	
08-11-14-85	11/14/85	85ENV769	11/21/85	ND	(0.56)	10-101	
08-11-14-85	11/14/85	85ENV769-D	11/21/85	ND	(0.54)	10-130	Duplicate Analysis
09-09-10-85	09/10/85	85ENV646	09/30/85	ND	(0.22)	8-304	
09-10-15-85	10/15/85	85ENV670	10/23/85	ND	(0.39)	10-051	
09-11-14-85	11/14/85	85ENV770	11/21/85	ND	(0.37)	10-130	
10-09-10-85	09/10/85	85ENV647	09/30/85	ND	(0.21)	8-304	
10-10-15-85	10/15/85	85ENV671	10/18/85	ND	(0.79)	10-034	
10-11-14-85	11/14/85	85ENV771	11/21/85	ND	(0.47)	10-130	

The individual, internal samples were assigned numbers in a similar fashion except that a depth indicator was inserted in the second decimal place:

```
 1 9 5 . 3 1  0 2
   !       !    !
quadrant   !   added
number   level specifier.
```

For the interior samples, the levels have the following depths:

Level 1 - 0 - 1' deep
Level 2 - 1' - 2' deep.

Since the internal samples were composited before analysis, the method chosen to assign the composite sample numbers was to add a 3 to the front of the lowest individual sample number being composited. Therefore, a composite of samples 195.3102 and 195.3103 is assigned the number 3195.3102. These composite numbers are illustrated on Attachment H, sheet 4 of 5.

One composite sample was formulated by combining the 8 interior level 1 (0-1' deep) samples. It was assigned the sample number 3195.0000.

SLOUGH AREA

Several different conditions were sampled within the Slough Area which required separate consideration in assigning sample numbers. All sample numbers assigned in this area use the northern coordinate of the sample location as its base number.

The offset line samples were numbered from west to east to denote from which line the sample was taken. This number was assigned to the first decimal place of the sample number. For example, at the 4600 north coordinate, the individual offset line samples are numbered:

4600.1 West 50' offset
4600.2 West 10' offset
4600.3 East 10' offset
4600.4 East 50' offset.

The composites from the offset line samples retained the first decimal place for the line number. However, the integer part of the number changes to reflect which 300' section of the offset line the composite was comprised from. For example, the composite of samples between the 4600 and 4900 north coordinate of the 10' west offset line is numbered 300.2. Between north coordinates 4900 and 5200, the composite sample is assigned the number 600.2.

The numbers assigned to the banks and channel of the Slough were given similar individual numbers (north coordinate plus a line number) but an additional specifier was added to account for depth of these samples. At the 4600 northern coordinate, the sample numbers assigned to the west bank of the Slough were 4600.5009 and 4600.5013 for the 0-9" and 9-13" sample depths

respectively. The Slough channel sample was assigned the number of 4600.6009. Finally, the east bank of the Slough would be assigned the numbers 4600.7009 and 4600.7018 respectively for the 0-9" and the 9-18" samples. The composites formulated from these samples were numbered 4600.8009 and 4600.8018 for the 0-9" and 9-18" samples respectively. See Attachment H, sheet 5 of 5 to clarify the numbering system.

BURN AREA

In the Burn Area, the numbering system reverted back to the original grid system. The number was expanded with level specifiers as in the NEPACCO Spray Irrigation Area. For example:

```
 1 3 6 . 1 1 0 2
   !     ! ! !
quadrant   ! added
number  level specifier.
```

The levels in the Burn Area are:

Level 1 0 - 1.5'
Level 2 1.5' - 3'
Level 3 3' - 4.5'
Level 4 4.5' - 6'.

See Attachment H, sheet 4 of 5 for clarity.

LAGOON AREA

The Lagoon area borings were numbered the same as the Burn Area:

```
 2 1 4 . 1 1 0 3
   !     ! ! !
quadrant   ! added
number  level specifier.
```

Levels are also the same as the Burn Area:

Level 0 Surface sample
Level 1 0 - 1.5'
Level 2 1.5' - 3'
Level 3 3' - 4.5'
Level 4 4.5' - 6'.

In the interior area of the Lagoon, composites were formulated and were assigned numbers as in the NEPACCO Spray Irrigation Area. A 3 is added to the front of the lowest individual sample number of the composite group:

3 2 1 4 . 2 2 0 3

Composite Indicator — lowest individual sample number in composite group.

See the Attachment H, sheet 3 of 5 for clarity.

TRENCH AREA

This area was outside of the grid system; therefore, a separate numbering system was used. The angle borings were assigned integer numbers based on the numbers assigned to the previous boring logs. The decimal numbers assigned were to specify depth and location of the individual samples.

1 2 . 1 0 0 1

old boring logs — location — level

Levels in the Trench Area were:

Level 1	0 - 2' below Trench
Level 2	2' - 4' below Trench
Level 3	4' - 6' below Trench
Level 4	6' - 8' below Trench
Level 5	8' - 10' below Trench
Level 6	10' - 12' below Trench
Level 7	12' - 14' below Trench
Level 8	14' - 16' below Trench.

Composites were assigned by adding a 3 in front of the individual sample number.

3 1 2 . 1

Composite Indicator — Old Boring Log — Location

See Attachment H, sheet 1 of 3 for clarity.

EQUIPMENT

Wipe tests from equipment were assigned sample numbers to indicate the serial or other identifying number permanently stamped on the equipment. These numbers can be found on the analytical printout.

MONITORING WELLS

The monitoring wells were assigned numbers from 1 - 10. These can be found on Attachment H, sheet 1 of 5. Water samples from the wells will be assigned as follows:

01	-	09	-	09	-	85
Well No.		Month		Day		Year

This number system was chosen since these wells will be monitored for some time to come. Therefore, the date changes depending on when then well is sampled.

RLW:tgc/0315C

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Summary of TCDD Analytical Results
Verona Sampling and Analysis Plan - SOIL
FILE: VERTCDD5.DBF USING: VERTCDDS.FRM

SAMPLE ID NO.	DATE SAMPLED	LOCATION	DESCRIPTION	ANALYTICAL LOG NO.	DATE EXTRACTED	TCDD (ppb)	(Limit)	ANALYSIS REF. (TCDD:)	COMMENTS
305.1000	06/28/85	TRENCH AREA	COMP. FOR HOLE #5.1	85ENV547	07/22/85	ND	(0.02)	6-218	
305.2000	07/29/85	TRENCH AREA	COMP. FOR HOLE #5.2	85ENV587	08/05/85	ND	(0.32)	6-409	
309.1000	06/19/85	TRENCH AREA	COMP. FOR HOLE #9.1	85ENV532	06/27/85	0.05		6-250	
309.2000	06/24/85	TRENCH AREA	COMP. FOR HOLE #9.2	85ENV546	07/22/85	ND	(0.02)	6-218	
312.1000	06/17/85	TRENCH AREA	COMP. FOR HOLE #12.1	85ENV533	06/27/85	ND	(0.01)	8-115	
312.2000	06/13/85	TRENCH AREA	COMP. FOR HOLE #12.2	85ENV534	06/27/85	ND	(0.02)	6-250	
319.1000	07/03/85	TRENCH AREA	COMP. FOR HOLE #19.1	85ENV548	07/22/85	ND	(0.03)	6-218	
319.2000	07/12/85	TRENCH AREA	COMP. FOR HOLE #19.2	85ENV592	09/03/85	ND	(0.01)	8-147	
321.1000	08/06/85	TRENCH AREA	COMP. 0-2' SAMPLES	85ENV608	08/28/85	0.13		8-115	
321.2000	08/06/85	TRENCH AREA	COMP. 2-5' SAMPLES	85ENV609	09/03/85	0.01		8-147	

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SAMPLE ID NO.	DATE SAMPLED	LOCATION	DESCRIPTION	ANALYTICAL LOG NO.	DATE EXTRACTED	TCDD (ppb)	(Limit)	ANALYSIS REF. (TCDD:)	COMMENTS
3889.0000	04/22/85	SPILL AREA	COMPOSITE-ROW 1	85ENV149	05/03/85	5.90		5-130	
3889.0000	04/22/85	SPILL AREA	COMPOSITE-ROW 1	85ENV149-D	09/18/85	3.60		8-167	Duplicate / ID by GC/MS (8-209)
3907.0000	04/22/85	SPILL AREA	COMPOSITE-ROW 2	85ENV152	05/09/85	1.20		5-145	
3925.0000	04/22/85	SPILL AREA	COMPOSITE-ROW 3	85ENV151	05/09/85	0.41		5-145	
3943.0000	04/22/85	SPILL AREA	COMPOSITE-ROW 4	85ENV150	05/07/85	0.83		5-145	
3961.0000	04/23/85	SPILL AREA	COMPOSITE-ROW 5	85ENV154	05/09/85	0.37		5-145	
3979.0000	04/23/85	SPILL AREA	COMPOSITE-ROW 6	85ENV153	05/09/85	ND	(0.07)	5-145	
3997.0000	04/23/85	SPILL AREA	COMPOSITE-ROW 7	85ENV155	05/09/85	0.82		5-145	
4015.0000	04/23/85	SPILL AREA	COMPOSITE-ROW 8	85ENV156	05/09/85	4.90		5-145	

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SAMPLE ID NO.	DATE SAMPLED	LOCATION	DESCRIPTION	ANALYTICAL LOG NO.	DATE EXTRACTED	TCDD (ppb)	(Limit)	ANALYSIS REF. (TCDD:)	COMMENTS
300.2000	05/01/85	10' SLOUGH OFF. WEST	COMPOSITE	85ENV220	05/16/85	ND	(0.01)	5-293	
300.3000	05/01/85	10' SLOUGH OFF. EAST	COMPOSITE	85ENV221	05/16/85	0.28		5-293	
600.2000	05/01/85	10' SLOUGH OFF. WEST	COMPOSITE	85ENV222	05/16/85	ND	(0.07)	5-293	
600.3000	05/01/85	10' SLOUGH OFF. EAST	COMPOSITE	85ENV223	05/16/85	ND	(0.07)	5-293	
900.2000	05/01/85	10' SLOUGH OFF. WEST	COMPOSITE	85ENV224	05/16/85	ND	(0.22)	5-293	
900.3000	05/01/85	10' SLOUGH OFF. EAST	COMPOSITE	85ENV225	05/16/85	ND	(0.21)	5-293	
1200.2000	04/30/85	10' SLOUGH OFF. WEST	COMPOSITE	85ENV226	05/16/85	0.27		5-293	
1200.3000	05/02/85	10' SLOUGH OFF. EAST	COMPOSITE	85ENV227	05/16/85	ND	(0.08)	5-293	
4600.8009	05/07/85	SLOUGH AREA	COMPOSITE	85ENV228	05/16/85	3.80		5-320	
4600.8018	05/07/85	SLOUGH AREA	COMPOSITE	85ENV229	05/16/85	2.20		5-331	
4700.8009	05/07/85	SLOUGH AREA	COMPOSITE	85ENV230	05/17/85	1.20		5-320	
4700.8018	05/07/85	SLOUGH AREA	COMPOSITE	85ENV231	05/17/85	ND	(0.05)	5-311	
4800.8009	05/07/85	SLOUGH AREA	COMPOSITE	85ENV232	05/17/85	3.10		5-331	
4800.8018	05/07/85	SLOUGH AREA	COMPOSITE	85ENV233	05/17/85	ND	(0.05)	5-331	
4900.8009	05/07/85	SLOUGH AREA	COMPOSITE	85ENV234	05/17/85	0.72		5-320	
4900.8018	05/07/85	SLOUGH AREA	COMPOSITE	85ENV235	05/17/85	ND	(0.08)	5-331	
5000.8009	05/07/85	SLOUGH AREA	COMPOSITE	85ENV236	05/17/85	0.72		5-331	
5000.8018	05/07/85	SLOUGH AREA	COMPOSITE	85ENV237	05/17/85	ND	(0.09)	5-331	
5100.8009	05/07/85	SLOUGH AREA	COMPOSITE	85ENV238	05/17/85	ND	(0.16)	5-331	
5100.8018	05/07/85	SLOUGH AREA	COMPOSITE	85ENV239	05/17/85	ND	(0.04)	5-347	
5200.8009	05/08/85	SLOUGH AREA	COMPOSITE	85ENV240	05/17/85	0.14		5-347	
5200.8018	05/08/85	SLOUGH AREA	COMPOSITE	85ENV241	05/18/85	ND	(0.06)	5-347	
5300.8009	05/08/85	SLOUGH AREA	COMPOSITE	85ENV242	05/18/85	5.30		5-347	ID by GC/MS (5-347)
5300.8009	05/08/85	SLOUGH AREA	COMPOSITE	85ENV242-D	09/18/85	2.00		8-167	Duplicate / ID by GC/MS (8-209)
5300.8018	05/08/85	SLOUGH AREA	COMPOSITE	85ENV243	05/18/85	0.16		5-347	
5400.8009	05/08/85	SLOUGH AREA	COMPOSITE	85ENV244	05/18/85	ND	(0.20)	5-367	
5400.8018	05/08/85	SLOUGH AREA	COMPOSITE	85ENV245	05/18/85	ND	(0.11)	5-367	
5500.8009	05/08/85	SLOUGH AREA	COMPOSITE	85ENV246	05/17/85	2.90		5-367	
5500.8018	05/08/85	SLOUGH AREA	COMPOSITE	85ENV247	05/18/85	ND	(0.03)	5-367	
5600.8009	05/08/85	SLOUGH AREA	COMPOSITE	85ENV248	05/17/85	0.25		5-367	
5600.8018	05/08/85	SLOUGH AREA	COMPOSITE	85ENV249	05/18/85	ND	(0.04)	5-367	
5700.8009	05/08/85	SLOUGH AREA	COMPOSITE	85ENV250	05/18/85	ND	(0.22)	5-367	
5700.8018	05/08/85	SLOUGH AREA	COMPOSITE	85ENV251	05/21/85	ND	(0.08)	5-367	
5800.8009	05/08/85	SLOUGH AREA	COMPOSITE	85ENV252	05/21/85	0.45		5-367	
5800.8018	05/08/85	SLOUGH AREA	COMPOSITE	85ENV253	05/21/85	ND	(0.06)	5-385	

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SAMPLE ID NO.	DATE SAMPLED	LOCATION	DESCRIPTION	ANALYTICAL LOG NO.	DATE EXTRACTED	TCDD (ppb)	(Limit)	ANALYSIS REF. (TCDD:)	COMMENTS
233.3001	04/29/85	NORTH FENCE LINE	INDIVIDUAL-SURFACE	85ENV201	05/14/85	0.80		5-271	
233.3001	04/29/85	NORTH FENCE LINE	INDIVIDUAL-SURFACE	85ENV201-D	09/18/85	4.60		8-167	Duplicate / ID by GC/MS (8-209)
233.3002	04/29/85	NORTH FENCE LINE	INDIVIDUAL-SURFACE	85ENV202	05/14/85	ND	(0.05)	5-271	
233.3003	04/29/85	NORTH FENCE LINE	INDIVIDUAL-SURFACE	85ENV203	05/14/85	ND	(0.02)	5-271	
233.4002	04/29/85	NORTH FENCE LINE	INDIVIDUAL-SURFACE	85ENV204	05/14/85	ND	(0.10)	5-254	
233.4003	04/29/85	NORTH FENCE LINE	INDIVIDUAL-SURFACE	85ENV205	05/14/85	ND	(0.04)	5-254	
234.3002	04/29/85	NORTH FENCE LINE	INDIVIDUAL-SURFACE	85ENV206	05/15/85	ND	(0.14)	5-254	
234.3003	04/29/85	NORTH FENCE LINE	INDIVIDUAL-SURFACE	85ENV207	05/14/85	0.13		5-254	
234.4002	04/29/85	NORTH FENCE LINE	INDIVIDUAL-SURFACE	85ENV208	05/15/85	ND	(0.09)	5-254	
234.4003	04/29/85	NORTH FENCE LINE	INDIVIDUAL-SURFACE	85ENV209	05/15/85	ND	(0.05)	5-254	
235.3001	04/29/85	NORTH FENCE LINE	INDIVIDUAL-SURFACE	85ENV210	05/15/85	ND	(0.07)	5-254	
235.3002	04/29/85	NORTH FENCE LINE	INDIVIDUAL-SURFACE	85ENV211	05/15/85	ND	(0.12)	5-254	
235.3003	04/29/85	NORTH FENCE LINE	INDIVIDUAL-SURFACE	85ENV212	05/15/85	ND	(0.05)	5-254	
235.4001	04/29/85	NORTH FENCE LINE	INDIVIDUAL-SURFACE	85ENV213	05/15/85	ND	(0.04)	5-254	
235.4002	04/29/85	NORTH FENCE LINE	INDIVIDUAL-SURFACE	85ENV214	05/15/85	ND	(0.06)	5-293	

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SAMPLE ID NO.	DATE SAMPLED	LOCATION	DESCRIPTION	ANALYTICAL LOG NO.	DATE EXTRACTED	TCDD (ppb)	(Limit)	ANALYSIS REF. (TCDD:)	COMMENTS
212.0000	04/24/85	GRID	COMPOSITE	85ENV161-D	09/18/85	1.70		8-167	Duplicate / ID by GC/MS (8-209)
213.0000	04/24/85	GRID	COMPOSITE	85ENV162	05/08/85	ND	(0.07)	5-166	
214.0000	04/24/85	GRID	COMPOSITE	85ENV163	05/08/85	0.37		5-166	
215.0000	04/24/85	GRID	COMPOSITE	85ENV164	05/08/85	ND	(0.06)	5-166	
216.0000	04/24/85	GRID	COMPOSITE	85ENV165	05/09/85	0.12		5-166	
217.0000	04/23/85	GRID	COMPOSITE	85ENV159	05/09/85	ND	(0.03)	5-145	
221.0000	04/24/85	GRID	COMPOSITE	85ENV166	05/09/85	ND	(0.03)	5-183	
222.0000	04/24/85	GRID	COMPOSITE	85ENV167	05/09/85	2.00		5-183	
225.0000	04/24/85	GRID	COMPOSITE	85ENV168	05/09/85	ND	(0.02)	5-183	
226.0000	04/24/85	GRID	COMPOSITE	85ENV169	05/09/85	ND	(0.01)	5-183	
227.0000	04/23/85	GRID	COMPOSITE	85ENV170	05/09/85	ND	(0.04)	5-183	
234.0000	04/25/85	GRID	COMPOSITE	85ENV173	05/09/85	ND	(0.05)	5-183	
235.0000	04/25/85	GRID	COMPOSITE	85ENV172	05/09/85	ND	(0.01)	5-183	
236.0000	04/24/85	GRID	COMPOSITE	85ENV171	05/09/85	ND	(0.02)	5-183	
243.0000	04/26/85	GRID	COMPOSITE	85ENV182	05/10/85	ND	(0.15)	5-203	
244.0000	04/26/85	GRID	COMPOSITE	85ENV183	05/10/85	ND	(0.02)	5-203	
245.0000	04/26/85	GRID	COMPOSITE	85ENV184	05/10/85	ND	(0.04)	5-220	
246.0000	04/25/85	GRID	COMPOSITE	85ENV174	05/09/85	ND	(0.02)	5-183	
254.0000	04/26/85	GRID	COMPOSITE	85ENV185	05/10/85	ND	(0.05)	5-220	
255.0000	04/26/85	GRID	COMPOSITE	85ENV186	05/11/85	ND	(0.05)	5-220	
256.0000	04/25/85	GRID	COMPOSITE	85ENV175	05/09/85	ND	(0.03)	5-183	
263.0000	04/29/85	GRID	COMPOSITE	85ENV190	05/11/85	ND	(0.05)	5-220	
264.0000	04/26/85	GRID	COMPOSITE	85ENV187	05/11/85	ND	(0.05)	5-220	
265.0000	04/26/85	GRID	COMPOSITE	85ENV188	05/11/85	ND	(0.03)	5-220	
266.0000	04/25/85	GRID	COMPOSITE	85ENV180	05/10/85	ND	(0.05)	5-203	
271.0000	04/29/85	GRID	COMPOSITE	85ENV191	05/11/85	ND	(0.01)	5-220	
272.0000	04/29/85	GRID	COMPOSITE	85ENV192	05/11/85	ND	(0.04)	5-220	
274.0000	04/26/85	GRID	COMPOSITE	85ENV189	05/11/85	ND	(0.03)	5-220	
275.0000	04/26/85	GRID	COMPOSITE	85ENV193	05/11/85	ND	(0.03)	5-220	
276.0000	04/25/85	GRID	COMPOSITE	85ENV181	05/10/85	ND	(0.05)	5-203	
281.0000	04/29/85	GRID	COMPOSITE	85ENV194	05/13/85	ND	(0.05)	5-271	
282.0000	04/29/85	GRID	COMPOSITE	85ENV195	05/13/85	ND	(0.05)	5-271	
284.0000	04/26/85	GRID	COMPOSITE	85ENV196	05/14/85	ND	(0.05)	5-271	
285.0000	04/25/85	GRID	COMPOSITE	85ENV176	05/10/85	ND	(0.09)	5-203	
286.0000	04/25/85	GRID	COMPOSITE	85ENV177	05/10/85	ND	(0.04)	5-203	
291.0000	04/29/85	GRID	COMPOSITE	85ENV197	05/14/85	ND	(0.04)	5-271	

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SAMPLE ID NO.	DATE SAMPLED	LOCATION	DESCRIPTION	ANALYTICAL LOG NO.	DATE EXTRACTED	TCDD (ppb)	(Limit)	ANALYSIS REF. (TCDD:)	COMMENTS
3223.4301	06/04/85	LAGOON AREA	COMP. OF 4 (3-4.5')	85ENV420	06/11/85	ND	(0.17)	6-165	
3223.4401	06/04/85	LAGOON AREA	COMP. OF 4 (4.5-6')	85ENV422	06/11/85	ND	(0.04)	6-165	
3224.3102	05/31/85	LAGOON AREA	COMP. OF 4 (0-1.5')	85ENV412	06/10/85	3.30		6-090	
3224.3105	06/03/85	LAGOON AREA	COMP. OF 4 (0-1.5')	85ENV453	06/26/85	0.86		6-284	
3224.3202	05/31/85	LAGOON AREA	COMP. OF 4 (1.5-3')	85ENV413	06/10/85	0.01		6-090	
3224.3205	06/03/85	LAGOON AREA	COMP. OF 4 (1.5-3')	85ENV454	06/26/85	ND	(0.02)	6-326	
3224.3302	05/31/85	LAGOON AREA	COMP. OF 4 (3-4.5')	85ENV414	06/11/85	ND	(0.01)	6-125	
3224.3305	06/03/85	LAGOON AREA	COMP. OF 4 (3-4.5')	85ENV455	06/26/85	ND	(0.01)	6-326	
3224.3402	05/31/85	LAGOON AREA	COMP. OF 4 (4.5-6')	85ENV415	06/11/85	ND	(0.04)	6-165	
3224.3405	06/03/85	LAGOON AREA	COMP. OF 4 (4.5-6')	85ENV456	06/26/85	ND	(0.02)	6-326	
3224.4102	05/31/85	LAGOON AREA	COMP. OF 4 (0-1.5')	85ENV417	06/11/85	0.07		6-125	
3224.4202	05/31/85	LAGOON AREA	COMP. OF 4 (1.5-3')	85ENV419	06/11/85	ND	(0.01)	6-125	
3224.4302	05/31/85	LAGOON AREA	COMP. OF 4 (3-4.5')	85ENV421	06/11/85	ND	(0.09)	6-165	
3224.4402	05/31/85	LAGOON AREA	COMP. OF 4 (4.5-6')	85ENV423	06/11/85	ND	(0.05)	6-165	

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SAMPLE ID NO.	DATE SAMPLED	LOCATION	DESCRIPTION	ANALYTICAL LOG NO.	DATE EXTRACTED	TCDD (ppb)	(Limit)	ANALYSIS REF. (TCDD:)	COMMENTS
234.3201	06/06/85	LAGOON AREA-PERIM'R	PERIM'R BORE (1.5-3')	85ENV446	06/25/85	ND	(0.09)	6-394	
234.3301	06/06/85	LAGOON AREA-PERIM'R	PERIM'R BORE (3-4.5')	85ENV447	06/26/85	ND	(0.02)	6-284	
234.3401	06/06/85	LAGOON AREA-PERIM'R	PERIM'R BORE (4.5-6')	85ENV448	06/26/85	ND	(0.01)	6-250	
234.4101	06/06/85	LAGOON AREA-PERIM'R	PERIM'R BORE (0-1.5')	85ENV449	06/26/85	ND	(0.04)	6-394	
234.4201	06/06/85	LAGOON AREA-PERIM'R	PERIM'R BORE (1.5-3')	85ENV450	06/26/85	ND	(0.01)	6-284	
234.4301	06/06/85	LAGOON AREA-PERIM'R	PERIM'R BORE (3-4.5')	85ENV451	06/26/85	ND	(0.01)	6-284	
234.4401	06/06/85	LAGOON AREA-PERIM'R	PERIM'R BORE (4.5-6')	85ENV452	06/26/85	ND	(0.02)	6-284	
3214.1101	05/29/85	LAGOON AREA	COMP. OF 4 (0-1.5')	85ENV404	06/10/85	0.18		6-090	
3214.1103	05/29/85	LAGOON AREA	COMP. OF 4 (0-1.5')	85ENV405	06/07/85	1.20		6-114	
3214.1107	05/24/85	LAGOON AREA	COMP. OF 4 (0-1.5')	85ENV314	06/07/85	741.00		8-050	
3214.1107	05/24/85	LAGOON AREA	COMP. OF 4 (0-1.5')	85ENV314-D	09/19/85	1350.00		8-191	Duplicate / ID by GC/MS (8-209)
3214.1109	05/24/85	LAGOON AREA	COMP. OF 4 (0-1.5')	85ENV315	05/31/85	78.30		6-053	ID by GC/MS (8-209)
3214.1109	05/24/85	LAGOON AREA	COMP. OF 4 (0-1.5')	85ENV315-D	06/07/85	34.00		8-050	Duplicate Analysis
3214.1201	05/29/85	LAGOON AREA	COMP. OF 4 (1.5-3')	85ENV406	08/05/85	1.10		6-409	
3214.1203	05/29/85	LAGOON AREA	COMP. OF 4 (1.5-3')	85ENV407	06/10/85	0.23		6-090	
3214.1207	05/24/85	LAGOON AREA	COMP. OF 4 (1.5-3')	85ENV316	05/31/85	30.60		6-053	
3214.1209	05/24/85	LAGOON AREA	COMP. OF 4 (1.5-3')	85ENV317	05/30/85	1.50		6-043	
3214.1301	05/29/85	LAGOON AREA	COMP. OF 4 (3-4.5')	85ENV408	06/07/85	2.00		6-114	
3214.1303	05/29/85	LAGOON AREA	COMP. OF 4 (3-4.5')	85ENV409	06/10/85	0.64		6-090	
3214.1307	05/24/85	LAGOON AREA	COMP. OF 4 (3-4.5')	85ENV318	05/30/85	6.60		6-043	
3214.1307	05/24/85	LAGOON AREA	COMP. OF 4 (3-4.5')	85ENV318-D	05/31/85	7.10		6-053	Duplicate Analysis
3214.1309	05/24/85	LAGOON AREA	COMP. OF 4 (3-4.5')	85ENV319	06/03/85	1.90		6-064	
3214.1401	05/29/85	LAGOON AREA	COMP. OF 4 (4.5-6')	85ENV410	06/07/85	ND	(0.09)	6-114	
3214.1403	05/29/85	LAGOON AREA	COMP. OF 4 (4.5-6')	85ENV411	06/10/85	ND	(0.03)	6-090	
3214.1407	05/24/85	LAGOON AREA	COMP. OF 4 (4.5-6')	85ENV320	06/03/85	2.10		6-064	
3214.1409	05/24/85	LAGOON AREA	COMP. OF 4 (4.5-6')	85ENV321	06/03/85	0.28		6-064	
3214.2104	05/22/85	LAGOON AREA	COMP. OF 4 (0-1.5')	85ENV322	06/03/85	14.20		6-081	
3214.2106	05/23/85	LAGOON AREA	COMP. OF 4 (0-1.5')	85ENV323	06/03/85	12.00		6-081	
3214.2204	05/22/85	LAGOON AREA	COMP. OF 4 (1.5-3')	85ENV324	06/03/85	1.10		6-064	
3214.2206	05/23/85	LAGOON AREA	COMP. OF 4 (1.5-3')	85ENV325	06/03/85	1.00		6-064	
3214.2304	05/22/85	LAGOON AREA	COMP. OF 4 (3-4.5')	85ENV326	06/03/85	4.20		6-081	
3214.2306	05/23/85	LAGOON AREA	COMP. OF 4 (3-4.5')	85ENV327	06/03/85	0.97		6-064	
3214.2404	05/22/85	LAGOON AREA	COMP. OF 4 (4.5-6')	85ENV328	06/03/85	0.16		6-064	
3214.2406	05/23/85	LAGOON AREA	COMP. OF 4 (4.5-6')	85ENV329	06/09/85	0.08		6-236	
3223.4101	06/04/85	LAGOON AREA	COMP. OF 4 (0-1.5')	85ENV416	06/11/85	4.30		6-125	
3223.4201	06/04/85	LAGOON AREA	COMP. OF 4 (1.5-3')	85ENV418	06/11/85	1.10		6-125	

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SAMPLE ID NO.	DATE SAMPLED	LOCATION	DESCRIPTION	ANALYTICAL LOG NO.	DATE EXTRACTED	TCDD (ppb)	(Limit)	ANALYSIS REF. (TCDD:)	COMMENTS
214.1107	05/24/85	LAGOON AREA	FOR COMP.# 3214.1107	85RNV635	09/17/85	0.18		8-233	
214.1108	05/24/85	LAGOON AREA	FOR COMP.# 3214.1107	85RNV636	09/17/85	5.30		8-233	
214.1109	05/24/85	LAGOON AREA	FOR COMP.# 3214.1109	85RNV588	08/05/85	4.70		8-097	COMP.ANALYSIS WAS > 20ppb
214.1207	05/24/85	LAGOON AREA	FOR COMP.# 3214.1207	85RNV586	08/05/85	ND	(0.04)	6-409	COMP.ANALYSIS WAS > 20ppb
214.1208	05/24/85	LAGOON AREA	FOR COMP.# 3214.1207	85RNV589	08/05/85	ND	(0.07)	8-037	COMP.ANALYSIS WAS > 20ppb
214.2101	05/24/85	LAGOON AREA	FOR COMP.# 3214.1107	85RNV637	09/20/85	1380.00		8-252	
214.2102	05/24/85	LAGOON AREA	FOR COMP.# 3214.1107	85RNV638	09/20/85	1170.00		8-252	ID by GC/MS (8-252)
214.2103	05/23/85	LAGOON AREA	FOR COMP.# 3214.1109	85RNV583	08/28/85	269.00		8-097	COMP.ANALYSIS WAS > 20ppb
214.2103	05/23/85	LAGOON AREA	FOR COMP.# 3214.1109	85RNV583-D	10/15/85	58.90		8-326	Duplicate
214.2103	05/23/85	LAGOON AREA	FOR COMP.# 3214.1109	85RNV583-T	11/07/85	349.00		10-084	Triplicate Analysis
214.2103	05/23/85	LAGOON AREA	FOR COMP.# 3214.1109	85RNV583.Q	11/07/85	918.00		10-084	Quadruplicate Analysis
214.2201	05/24/85	LAGOON AREA	FOR COMP.# 3214.1207	85RNV590	08/05/85	5.30		8-097	COMP.ANALYSIS WAS > 20ppb
214.2202	05/24/85	LAGOON AREA	FOR COMP.# 3214.1207	85RNV591	08/05/85	22.80		8-050	COMP.ANALYSIS WAS > 20ppb
223.1101	06/05/85	LAGOON AREA-PERIM'R	PERIM'R BORE (0-1.5')	85RNV427	06/24/85	0.01		6-189	
223.1201	06/05/85	LAGOON AREA-PERIM'R	PERIM'R BORE (1.5-3')	85RNV428	06/24/85	ND	(0.02)	6-189	
223.1301	06/05/85	LAGOON AREA-PERIM'R	PERIM'R BORE (3-4.5')	85RNV530	06/26/85	ND	(0.02)	6-326	
223.1401	06/05/85	LAGOON AREA-PERIM'R	PERIM'R BORE (4.5-6')	85RNV531	06/26/85	ND	(0.06)	6-326	
223.4103	06/05/85	LAGOON AREA-PERIM'R	PERIM'R BORE (0-1.5')	85RNV429	06/24/85	0.63		6-309	
223.4203	06/05/85	LAGOON AREA-PERIM'R	PERIM'R BORE (1.5-3')	85RNV430	06/24/85	3.60		6-189	
223.4303	06/05/85	LAGOON AREA-PERIM'R	PERIM'R BORE (3-4.5')	85RNV431	06/24/85	ND	(0.04)	6-189	
223.4403	06/05/85	LAGOON AREA-PERIM'R	PERIM'R BORE (4.5-6')	85RNV432	06/24/85	ND	(0.01)	6-189	
224.1101	06/05/85	LAGOON AREA-PERIM'R	PERIM'R BORE (0-1.5')	85RNV433	06/24/85	0.20		8-037	
224.1201	06/05/85	LAGOON AREA-PERIM'R	PERIM'R BORE (1.5-3')	85RNV434	06/24/85	1.90		6-189	
224.1301	06/05/85	LAGOON AREA-PERIM'R	PERIM'R BORE (3-4.5')	85RNV435	06/24/85	0.26		6-189	
224.1401	06/05/85	LAGOON AREA-PERIM'R	PERIM'R BORE (4.5-6')	85RNV436	06/24/85	ND	(0.01)	6-189	
224.2101	06/05/85	LAGOON AREA-PERIM'R	PERIM'R BORE (0-1.5')	85RNV437	06/25/85	2.40		6-369	
224.2201	06/05/85	LAGOON AREA-PERIM'R	PERIM'R BORE (1.5-3')	85RNV438	06/25/85	0.44		6-352	
224.2301	06/05/85	LAGOON AREA-PERIM'R	PERIM'R BORE (3-4.5')	85RNV439	06/25/85	ND	(0.28)	6-267	
224.2401	06/05/85	LAGOON AREA-PERIM'R	PERIM'R BORE (4.5-6')	85RNV440	06/25/85	0.15		6-352	
224.3101	05/23/85	LAGOON AREA	FOR COMP.# 3214.1109	85RNV585	08/05/85	0.36		6-409	4"NORTHEAST OF TAG.SEE 3214.1109
224.4107	05/23/85	LAGOON AREA	FOR COMP.# 3214.1109	85RNV584	08/05/85	22.30		6-409	COMP.ANALYSIS WAS > 20ppb
233.4101	06/06/85	LAGOON AREA-PERIM'R	PERIM'R BORE (0-1.5')	85RNV441	06/25/85	0.16		6-369	
233.4201	06/06/85	LAGOON AREA-PERIM'R	PERIM'R BORE (1.5-3')	85RNV442	06/25/85	ND	(0.11)	6-430	
233.4301	06/06/85	LAGOON AREA-PERIM'R	PERIM'R BORE (3-4.5')	85RNV443	06/25/85	ND	(0.08)	6-369	
233.4401	06/06/85	LAGOON AREA-PERIM'R	PERIM'R BORE (4.5-6')	85RNV444	06/25/85	ND	(0.04)	6-267	
234.3101	06/06/85	LAGOON AREA-PERIM'R	PERIM'R BORE (0-1.5')	85RNV445	08/28/85	0.06		8-115	

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SAMPLE ID NO.	DATE SAMPLED	LOCATION	DESCRIPTION	ANALYTICAL LOG NO.	DATE EXTRACTED	TCDD (ppb)	(Limit)	ANALYSIS REF. (TCDD:)	COMMENTS
195.2005	05/10/85	IRRIGATION AREA	PERIMETER- 1 FOOT	85ENV279	05/23/85	27.20		5-426	
195.2005	05/10/85	IRRIGATION AREA	PERIMETER- 1 FOOT	85ENV279-D	09/18/85	7.40		8-191	Duplicate / ID by GC/MS (8-209)
195.3001	05/10/85	IRRIGATION AREA	PERIMETER- 1 FOOT	85ENV278	05/23/85	ND	(0.05)	5-426	
195.3004	05/10/85	IRRIGATION AREA	PERIMETER- 1 FOOT	85ENV280	05/23/85	ND	(0.13)	5-426	
195.3007	05/10/85	IRRIGATION AREA	PERIMETER- 1 FOOT	85ENV281	05/23/85	ND	(0.23)	5-426	
3195.0000	05/09/85	IRRIGATION AREA	COMP. OF 8 (0-1')	85ENV254	05/21/85	0.72		5-385	
3195.2101	05/09/85	IRRIGATION AREA	COMP. OF 2 (0-1')	85ENV282	05/23/85	1.60		5-426	
3195.2103	05/09/85	IRRIGATION AREA	COMP. OF 2 (0-1')	85ENV283	05/24/85	1.50		5-426	
3195.2201	05/09/85	IRRIGATION AREA	COMP. OF 2 (1-2')	85ENV284	05/24/85	ND	(0.08)	5-426	
3195.2203	05/09/85	IRRIGATION AREA	COMP. OF 2 (1-2')	85ENV285	05/24/85	0.32		5-446	
3195.3102	05/09/85	IRRIGATION AREA	COMP. OF 2 (0-1')	85ENV286	05/24/85	0.68		5-446	
3195.3105	05/09/85	IRRIGATION AREA	COMP. OF 2 (0-1')	85ENV287	05/24/85	0.39		5-446	
3195.3202	05/09/85	IRRIGATION AREA	COMP. OF 2 (1-2')	85ENV288	05/24/85	ND	(0.32)	5-446	
3195.3205	05/09/85	IRRIGATION AREA	COMP. OF 2 (1-2')	85ENV289	05/24/85	ND	(0.17)	5-446	

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Summary of TCDD Analytical Results
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SAMPLE ID NO.	DATE SAMPLED	LOCATION	DESCRIPTION	ANALYTICAL LOG NO.	DATE EXTRACTED	TCDD (ppb)	(Limit)	ANALYSIS REF. (TCDD:)	COMMENTS
292.0000	04/29/85	GRID	COMPOSITE	85ENV198	05/14/85	ND	(0.05)	5-271	
293.0000	04/26/85	GRID	COMPOSITE	85ENV199	05/14/85	ND	(0.05)	5-271	
294.0000	04/26/85	GRID	COMPOSITE	85ENV200	05/14/85	ND	(0.03)	5-271	
295.0000	04/25/85	GRID	COMPOSITE	85ENV178	05/10/85	ND	(0.09)	5-203	
296.3000	04/25/85	GRID	COMPOSITE	85ENV179	05/10/85	ND	(0.02)	5-203	

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Summary of TCDD Analytical Results
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SAMPLE ID NO.	DATE SAMPLED	LOCATION	DESCRIPTION	ANALYTICAL LOG NO.	DATE EXTRACTED	TCDD (ppb)	(Limit)	ANALYSIS REF. (TCDD:)	COMMENTS
136.1100	05/14/85	BURN AREA 46 47	PERIM'R BORE (0-1.5')	85ENV255	05/21/85	ND	(0.05)	5-385	
136.1101	05/15/85	BURN AREA	BORING (0-1.5')	85ENV290	05/24/85	10.30		5-446	
136.1102	05/15/85	BURN AREA	BORING (0-1.5')	85ENV291	05/24/85	14.50		5-446	
136.1103	05/15/85	BURN AREA	BORING (0-1.5')	85ENV292	05/24/85	0.53		5-446	
136.1104	05/16/85	BURN AREA	TRENCH, 1' DEEP	85ENV310	05/31/85	0.65		6-020	
136.1200	05/14/85	BURN AREA	PERIM'R BORE (1.5-3')	85ENV256	05/21/85	ND	(0.04)	5-385	
136.1201	05/15/85	BURN AREA	BORING (1.5-3')	85ENV293	05/25/85	27.00		6-001	ID by GC/MS (8-209) (6-001)
136.1202	05/15/85	BURN AREA	BORING (1.5-3')	85ENV294	05/25/85	6.00		6-001	
136.1203	05/15/85	BURN AREA	BORING (1.5-3')	85ENV295	05/25/85	0.28		6-001	
136.1204	05/16/85	BURN AREA	TRENCH, 2' DEEP	85ENV311	05/31/85	0.79		6-020	
136.1300	05/14/85	BURN AREA	PERIM'R BORE (3-4.5')	85ENV257	05/21/85	ND	(0.04)	5-385	
136.1301	05/15/85	BURN AREA	BORING (3-4.5')	85ENV296	05/25/85	18.10		6-001	
136.1301	05/15/85	BURN AREA	BORING (3-4.5')	85ENV296-D	09/19/85	16.50		8-167	Duplicate / ID by GC/MS (8-209)
136.1302	05/15/85	BURN AREA	BORING (3-4.5')	85ENV297	05/25/85	0.87		6-001	
136.1303	05/15/85	BURN AREA	BORING (3-4.5')	85ENV298	05/25/85	ND	(0.12)	6-001	
136.1304	05/16/85	BURN AREA	TRENCH, 3' DEEP	85ENV312	05/31/85	ND	(0.16)	6-033	
136.1400	05/14/85	BURN AREA	PERIM'R BORE (4.5-6')	85ENV258	05/21/85	ND	(0.09)	5-385	
136.1402	05/15/85	BURN AREA	BORING (4.5-6')	85ENV299	05/25/85	ND	(0.11)	6-001	
136.1403	05/15/85	BURN AREA	BORING (4.5-6')	85ENV300	05/25/85	ND	(0.08)	6-148	
136.1404	05/16/85	BURN AREA	TRENCH, 4' DEEP	85ENV313	05/31/85	ND	(0.03)	6-033	
136.2100	05/15/85	BURN AREA	PERIM'R BORE (0-1.5')	85ENV301	05/25/85	ND	(0.12)	6-148	
136.2200	05/15/85	BURN AREA	PERIM'R BORE (1.5-3')	85ENV302	05/29/85	ND	(0.06)	6-148	
136.2300	05/15/85	BURN AREA	PERIM'R BORE (3-4.5')	85ENV303	05/29/85	ND	(0.11)	6-148	
136.2400	05/15/85	BURN AREA	PERIM'R BORE (4.5-6')	85ENV304	05/31/85	ND	(0.04)	6-148	
136.3100	05/15/85	BURN AREA	PERIM'R BORE (0-1.5')	85ENV305	05/29/85	ND	(0.12)	6-148	
136.3200	05/15/85	BURN AREA	PERIM'R BORE (1.5-3')	85ENV306	05/29/85	ND	(0.04)	6-148	
136.3300	05/15/85	BURN AREA	PERIM'R BORE (3-4.5')	85ENV307	05/29/85	ND	(0.26)	6-148	
136.3400	05/15/85	BURN AREA	PERIM'R BORE (4.5-6')	85ENV308	05/29/85	ND	(0.06)	6-020	
136.4100	05/14/85	BURN AREA	PERIM'R BORE (0-1.5')	85ENV259	05/21/85	ND	(0.06)	5-385	
136.4200	05/14/85	BURN AREA	PERIM'R BORE (1.5-3')	85ENV260	05/21/85	ND	(0.03)	5-385	
136.4300	05/14/85	BURN AREA	PERIM'R BORE (3-4.5')	85ENV261	05/21/85	ND	(0.04)	5-385	
136.4400	05/14/85	BURN AREA	PERIM'R BORE (4.5-6')	85ENV262	05/22/85	ND	(0.04)	5-385	
137.1100	05/13/85	BURN AREA	PERIM'R BORE (0-1.5')	85ENV263	05/22/85	ND	(0.07)	5-385	
137.1200	05/13/85	BURN AREA	PERIM'R BORE (1.5-3')	85ENV264	05/22/85	ND	(0.07)	5-405	
137.1300	05/13/85	BURN AREA	PERIM'R BORE (3-4.5')	85ENV265	05/22/85	ND	(0.11)	5-405	
137.1400	05/13/85	BURN AREA	PERIM'R BORE (4.5-6')	85ENV266	05/22/85	ND	(0.05)	5-405	

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SAMPLE ID NO.	DATE SAMPLED	LOCATION	DESCRIPTION	ANALYTICAL LOG NO.	DATE EXTRACTED	TCDD (ppb)	(Limit)	ANALYSIS REF. (TCDD:)	COMMENTS
104.0000	04/10/85	GRID	COMPOSITE	85ENV084	04/19/85	ND	(0.01)	5-011	
105.0000	04/10/85	GRID	COMPOSITE	85ENV085	04/22/85	ND	(0.01)	5-001	
106.0000	04/10/85	GRID	COMPOSITE	85ENV086	04/22/85	ND	(0.01)	5-011	
07.0000	04/10/85	GRID	COMPOSITE	85ENV087	04/25/85	ND	(0.01)	5-041	
113.0000	04/11/85	GRID	COMPOSITE	85ENV089	04/19/85	ND	(0.01)	5-011	
114.0000	04/11/85	GRID	COMPOSITE	85ENV090	04/22/85	ND	(0.01)	5-001	
115.0000	04/11/85	GRID	COMPOSITE	85ENV091	04/22/85	ND	(0.01)	5-001	
116.0000	04/11/85	GRID	COMPOSITE	85ENV092	04/19/85	ND	(0.01)	5-011	
117.0000	04/10/85	GRID	COMPOSITE	85ENV088	04/25/85	ND	(0.01)	5-041	
123.0000	04/11/85	GRID	COMPOSITE	85ENV093	04/19/85	ND	(0.01)	5-011	
124.0000	04/11/85	GRID	COMPOSITE	85ENV094	04/22/85	ND	(0.02)	5-011	
125.0000	04/11/85	GRID	COMPOSITE	85ENV095	04/25/85	ND	(0.02)	5-041	
126.0000	04/11/85	GRID	COMPOSITE	85ENV096	04/25/85	ND	(0.02)	5-041	
127.0000	04/11/85	GRID	COMPOSITE	85ENV097	04/22/85	ND	(0.01)	5-011	
128.0000	04/12/85	GRID	COMPOSITE	85ENV098	04/25/85	ND	(0.02)	5-047	
132.0000	04/12/85	GRID	COMPOSITE	85ENV099	04/23/85	ND	(0.01)	5-027	
132.0000	04/12/85	GRID	COMPOSITE	85ENV099-D	04/25/85	ND	(0.02)	5-041	Duplicate Analysis
133.0000	04/12/85	GRID	COMPOSITE	85ENV100	04/23/85	ND	(0.02)	5-027	
133.0000	04/12/85	GRID	COMPOSITE	85ENV100-D	04/25/85	ND	(0.02)	5-041	Duplicate Analysis
134.0000	04/12/85	GRID	COMPOSITE	85ENV101	04/23/85	0.08		5-027	
35.0000	04/12/85	GRID	COMPOSITE	85ENV102	04/25/85	ND	(0.06)	5-041	
138.0000	04/12/85	GRID	COMPOSITE	85ENV103	04/23/85	ND	(0.01)	5-027	
142.0000	04/12/85	GRID	COMPOSITE	85ENV110	04/30/85	ND	(0.01)	5-239	
143.0000	04/12/85	GRID	COMPOSITE	85ENV111	04/30/85	ND	(0.02)	5-239	
144.0000	04/15/85	GRID	COMPOSITE	85ENV112	04/30/85	ND	(0.02)	5-239	
145.0000	04/15/85	GRID	COMPOSITE	85ENV113	04/30/85	ND	(0.03)	5-239	
146.0000	04/15/85	GRID	COMPOSITE	85ENV114	04/30/85	ND	(0.03)	5-058	
147.0000	04/15/85	GRID	COMPOSITE	85ENV115	04/30/85	ND	(0.01)	5-058	
148.0000	04/15/85	GRID	COMPOSITE	85ENV116	04/30/85	0.13		5-058	
148.0000	04/15/85	GRID	COMPOSITE	85ENV116-D	05/04/85	0.17		5-166	Duplicate Analysis
149.0000	04/15/85	GRID	COMPOSITE	85ENV117	04/30/85	ND	(0.01)	5-239	
152.0000	04/16/85	GRID	COMPOSITE	85ENV120	04/30/85	ND	(0.01)	5-239	
153.0000	04/16/85	GRID	COMPOSITE	85ENV121	04/30/85	ND	(0.05)	5-082	
154.0000	04/16/85	GRID	COMPOSITE	85ENV122	04/30/85	ND	(0.03)	5-082	
155.0000	04/16/85	GRID	COMPOSITE	85ENV123	04/30/85	ND	(0.01)	5-082	
156.0000	04/16/85	GRID	COMPOSITE	85ENV124	05/01/85	0.18		5-098	

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Summary of TCDD Analytical Results
Verona Sampling and Analysis Plan - SOIL
FILE: VERTCDD5.DBF USING: VERTCDDS.FRM

SAMPLE ID NO.	DATE SAMPLED	LOCATION	DESCRIPTION	ANALYTICAL LOG NO.	DATE EXTRACTED	TCDD (ppb)	(Limit)	ANALYSIS REF. (TCDD:)	COMMENTS
157.0000	04/15/85	GRID	COMPOSITE	85ENV118	04/30/85	ND	(0.01)	5-239	
158.0000	04/15/85	GRID	COMPOSITE	85ENV119	04/30/85	ND	(0.02)	5-239	
162.0000	04/16/85	GRID	COMPOSITE	85ENV125	05/01/85	ND	(0.08)	5-082	
163.0000	04/16/85	GRID	COMPOSITE	85ENV126	05/01/85	ND	(0.01)	5-082	
164.0000	04/16/85	GRID	COMPOSITE	85ENV127	05/01/85	ND	(0.01)	5-082	
165.0000	04/16/85	GRID	COMPOSITE	85ENV128	05/01/85	1.60		5-098	
166.0000	04/16/85	GRID	COMPOSITE	85ENV129	05/01/85	0.16		5-098	
167.0000	04/16/85	GRID	COMPOSITE	85ENV104	04/23/85	ND	(0.01)	5-027	
168.0000	04/17/85	GRID	COMPOSITE	85ENV105	04/24/85	ND	(0.12)	5-070	
172.0000	04/17/85	GRID	COMPOSITE	85ENV106	04/24/85	ND	(0.01)	5-070	
172.0000	04/17/85	GRID	COMPOSITE	85ENV106-D	05/07/85	ND	(0.01)	5-145	Duplicate Analysis
173.0000	04/17/85	GRID	COMPOSITE	85ENV107	04/24/85	ND	(0.01)	5-070	
174.0000	04/17/85	GRID	COMPOSITE	85ENV108	04/25/85	ND	(0.01)	5-070	
175.0000	04/17/85	GRID	COMPOSITE	85ENV130	05/01/85	0.41		5-082	
176.0000	04/17/85	GRID	COMPOSITE	85ENV131	05/01/85	0.21		5-098	
177.0000	04/17/85	GRID	COMPOSITE	85ENV132	05/01/85	0.15		5-098	
178.0000	04/17/85	GRID	COMPOSITE	85ENV133	05/01/85	ND	(0.04)	5-098	
182.0000	04/17/85	GRID	COMPOSITE	85ENV134	05/03/85	ND	(0.06)	5-113	
183.0000	04/17/85	GRID	COMPOSITE	85ENV135	05/03/85	ND	(0.06)	5-098	
184.0000	04/18/85	GRID	COMPOSITE	85ENV136	05/03/85	ND	(0.04)	5-113	
185.0000	04/18/85	GRID	COMPOSITE	85ENV137	05/03/85	ND	(0.18)	5-113	
186.0000	04/18/85	GRID	COMPOSITE	85ENV138	05/02/85	0.77		5-113	
187.0000	04/18/85	GRID	COMPOSITE	85ENV139	05/02/85	ND	(0.03)	5-113	
192.0000	04/19/85	GRID	COMPOSITE	85ENV144	05/03/85	0.50		5-130	
193.0000	04/19/85	GRID	COMPOSITE	85ENV143	05/02/85	ND	(0.06)	5-130	
194.0000	04/18/85	GRID	COMPOSITE	85ENV142	05/02/85	0.56		5-113	
196.0000	04/18/85	GRID	COMPOSITE	85ENV141	05/02/85	ND	(0.15)	5-113	
197.0000	04/18/85	GRID	COMPOSITE	85ENV140	05/02/85	ND	(0.03)	5-113	
202.0000	04/22/85	GRID	COMPOSITE	85ENV148	05/03/85	ND	(0.05)	5-130	
203.0000	04/22/85	GRID	COMPOSITE	85ENV147	05/03/85	0.14		5-130	
204.0000	04/22/85	GRID	COMPOSITE	85ENV146	05/03/85	0.98		5-130	
205.0000	04/23/85	GRID	COMPOSITE	85ENV157	05/09/85	ND	(0.07)	5-145	
206.0000	04/23/85	GRID	COMPOSITE	85ENV158	05/09/85	ND	(0.02)	5-145	
207.0000	04/18/85	GRID	COMPOSITE	85ENV145	05/03/85	ND	(0.02)	5-130	
211.0000	04/24/85	GRID	COMPOSITE	85ENV160	05/08/85	ND	(0.05)	5-166	
212.0000	04/24/85	GRID	COMPOSITE	85ENV161	05/08/85	3.10		5-166	

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Summary of TCDD Analytical Results
Verona Sampling and Analysis Plan - SOIL
FILE: VERTCDD5.DBF USING: VERTCDDS.FRM

SAMPLE ID NO.	DATE SAMPLED	LOCATION	DESCRIPTION	ANALYTICAL LOG NO.	DATE EXTRACTED	TCDD (ppb)	(Limit)	ANALYSIS REF. (TCDD:)	COMMENTS
137.2100	05/14/85	BURN AREA	PERIM'R BORE (0-1.5')	85ENV267	05/22/85	ND	(0.04)	5-405	
137.2200	05/14/85	BURN AREA	PERIM'R BORE (1.5-3')	85ENV268	05/22/85	ND	(0.04)	5-405	
137.2300	05/14/85	BURN AREA	PERIM'R BORE (3-4.5')	85ENV269	05/22/85	ND	(0.06)	5-405	
137.2400	05/14/85	BURN AREA	PERIM'R BORE (4.5-6')	85ENV270	05/22/85	ND	(0.07)	5-405	
137.3100	05/14/85	BURN AREA	PERIM'R BORE (0-1.5')	85ENV271	05/22/85	ND	(0.03)	5-405	
137.3200	05/14/85	BURN AREA	PERIM'R BORE (1.5-3')	85ENV272	05/23/85	ND	(0.06)	5-405	
137.3300	05/14/85	BURN AREA	PERIM'R BORE (3-4.5')	85ENV273	05/23/85	ND	(0.04)	5-405	
137.3400	05/14/85	BURN AREA	PERIM'R BORE (4.5-6')	85ENV309	05/29/85	ND	(0.04)	6-020	
137.4100	05/13/85	BURN AREA	PERIM'R BORE (0-1.5')	85ENV274	05/23/85	ND	(0.02)	5-405	
137.4200	05/13/85	BURN AREA	PERIM'R BORE (1.5-3')	85ENV275	05/23/85	ND	(0.04)	5-426	
137.4300	05/13/85	BURN AREA	PERIM'R BORE (3-4.5')	85ENV276	05/23/85	ND	(0.03)	5-426	
137.4400	05/13/85	BURN AREA	PERIM'R BORE (4.5-6')	85ENV277	05/23/85	ND	(0.05)	5-426	

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Summary of TCDD Analytical Results
Verona Monitoring Wells - WATER
FILE: VWELLR3.DBF USING: VERWELLS.FRM

WELL NO.	SAMPLE NO.	DATE SAMPLED	ANALYTICAL LOG NO.	DATE EXTRACTED	TCDD (pptr)	(Limit)	ANALYSIS REF. (TCDD:)	COMMENTS
MW-01	01-09-09-85	09/09/85	85ENV639	09/27/85	ND	(0.20)	8-269	EPA took 12, 80 oz. splits.
MW-01	01-10-15-85	10/15/85	85ENV662	10/17/85	ND	(0.26)	10-001	
MW-01	01-11-14-85	11/14/85	85ENV762	11/20/85	ND	(0.36)	10-101	
MW-02	02-09-09-85	09/09/85	85ENV634	09/27/85	ND	(0.17)	8-269	
MW-02	02-09-09-85	09/09/85	85ENV634-D	09/30/85	ND	(0.19)	8-269	Duplicate Analysis
MW-02	02-10-15-85	10/15/85	85ENV663	10/17/85	ND	(0.24)	10-001	
MW-02	02-11-14-85	11/14/85	85ENV763	11/20/85	ND	(0.49)	10-101	
MW-03	03-09-09-85	09/09/85	85ENV640	09/27/85	ND	(0.18)	8-269	
MW-03	03-10-15-85	10/15/85	85ENV664	10/17/85	ND	(0.15)	10-001	
MW-03	03-11-14-85	11/14/85	85ENV764	11/20/85	ND	(0.34)	10-101	
MW-04	04-09-09-85	09/09/85	85ENV641	09/27/85	ND	(0.17)	8-269	
MW-04	04-10-15-85	10/15/85	85ENV665	10/17/85	ND	(0.23)	10-001	
MW-04	04-11-14-85	11/14/85	85ENV765	11/20/85	ND	(0.43)	10-101	
MW-05	05-09-09-85	09/09/85	85ENV642	09/27/85	ND	(0.21)	8-269	EPA took 12, 80 oz. splits.
MW-05	05-10-15-85	10/15/85	85ENV666	10/17/85	ND	(0.34)	10-001	
MW-05	05-10-15-85	10/15/85	85ENV666-D	10/18/85	ND	(0.33)	10-034	Duplicate Analysis
MW-05	05-11-14-85	11/14/85	85ENV766	11/21/85	ND	(0.35)	10-101	
MW-06	06-09-10-85	09/10/85	85ENV643	09/27/85	ND	(0.18)	8-269	EPA took 12, 80 oz. splits.
MW-06	06-10-15-85	10/15/85	85ENV667	10/17/85	ND	(0.26)	10-001	
MW-06	06-11-14-85	11/14/85	85ENV767	11/21/85	ND	(0.58)	10-101	
MW-07	07-09-10-85	09/10/85	85ENV644	09/27/85	ND	(0.15)	8-269	EPA took 12, 80 oz. splits.
MW-07	07-10-15-85	10/15/85	85ENV668	10/17/85	ND	(0.38)	10-001	
MW-07	07-11-14-85	11/14/85	85ENV768	11/21/85	ND	(0.51)	10-101	
MW-08	08-09-10-85	09/10/85	85ENV645	09/27/85	ND	(0.16)	8-304	EPA took 12, 80 oz. splits.
MW-08	08-10-15-85	10/15/85	85ENV669	10/17/85	1.2		10-001	
MW-08	08-10-15-85	10/15/85	85ENV669-D	10/23/85	1.1		10-051	Duplicate Analysis
MW-08	08-10-29-85	10/29/85	85ENV713	11/01/85	ND	(0.32)	10-066	
MW-08	08-11-14-85	11/14/85	85ENV769	11/21/85	ND	(0.56)	10-101	
MW-08	08-11-14-85	11/14/85	85ENV769-D	11/21/85	ND	(0.54)	10-130	Duplicate Analysis
MW-09	09-09-10-85	09/10/85	85ENV646	09/30/85	ND	(0.22)	8-304	
MW-09	09-10-15-85	10/15/85	85ENV670	10/23/85	ND	(0.39)	10-051	
MW-09	09-11-14-85	11/14/85	85ENV770	11/21/85	ND	(0.37)	10-130	
MW-10	10-09-10-85	09/10/85	85ENV647	09/30/85	ND	(0.21)	8-304	
MW-10	10-10-15-85	10/15/85	85ENV671	10/18/85	ND	(0.79)	10-034	
MW-10	10-11-14-85	11/14/85	85ENV771	11/21/85	ND	(0.47)	10-130	

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TCDD RESULTS SUMMARY - AIR MONITORING FILTERS
VERONA SAMPLING AND ANALYSIS PLAN
FILE: VERAIR1.DBF USING: VERAIR.FRM

SAMPLE NO.	DATE SAMPLED	LOCATION	DESCRIPTION	ANALYTICAL LOG NO.	DATE EXTRACTED	TCDD (ng)	(Limit)	ANALYSIS REF. (TCDD:)	TCDD (ng/cu.M)	(Limit)	COMMENTS
#1	02/28/85	VERONA PLANT	South Fence	85ENV067	03/07/85	ND	(0.52)	4-200	ND	(0.18)	
#2	02/28/85	VERONA PLANT	Pre-Mix Area	85ENV068	03/07/85	ND	(0.27)	4-200	ND	(0.09)	
#3	02/28/85	VERONA PLANT	North Fence	85ENV069	03/07/85	ND	(0.20)	4-200	ND	(0.07)	
#4	02/28/85	VERONA PLANT	Rail Siding	85ENV070	03/07/85	ND	(0.28)	4-200	ND	(0.10)	
#1	03/29/85	VERONA PLANT	South Fence	85ENV077	04/02/85	ND	(0.13)	4-253	ND	(0.05)	
#2	03/29/85	VERONA PLANT	Pre-Mix Area	85ENV078	04/02/85	ND	(0.15)	4-253	ND	(0.05)	
#3	03/29/85	VERONA PLANT	North Fence	85ENV079	04/02/85	ND	(0.13)	4-253	ND	(0.05)	
#4	03/29/85	VERONA PLANT	Rail Siding	85ENV080	04/02/85	ND	(0.13)	4-253	ND	(0.05)	
#1	05/01/85	VERONA PLANT	South Fence	85ENV216	05/10/85						Analysis Failed
#2	05/01/85	VERONA PLANT	Pre-Mix Area	85ENV217	05/10/85						Analysis Failed
#3	05/01/85	VERONA PLANT	North Fence	85ENV218	05/10/85						Analysis Failed
#4	05/01/85	VERONA PLANT	Rail Siding	85ENV219	05/10/85						Analysis Failed
#1	05/22/85	VERONA PLANT	South Fence	85ENV331	05/29/85	ND	(0.13)	4-315	ND	(0.05)	
#2	05/22/85	VERONA PLANT	Pre-Mix Area	85ENV332	05/29/85	ND	(0.12)	4-315	ND	(0.04)	
#3	05/22/85	VERONA PLANT	North Fence	85ENV333	05/29/85	ND	(0.19)	4-315	ND	(0.07)	
#4	05/22/85	VERONA PLANT	Rail Siding	85ENV334	05/29/85	ND	(0.26)	4-315	ND	(0.09)	
#1	05/30/85	VERONA PLANT	South Fence	85ENV376	06/05/85	ND	(0.23)	4-350	ND	(0.08)	
#2	05/30/85	VERONA PLANT	Pre-Mix Area	85ENV377	06/05/85	ND	(0.15)	4-350	ND	(0.05)	
#3	05/30/85	VERONA PLANT	North Fence	85ENV378	06/05/85	ND	(0.38)	4-350	ND	(0.13)	
#4	05/30/85	VERONA PLANT	Rail Siding	85ENV379	06/05/85	ND	(0.16)	4-350	ND	(0.06)	
#1	06/28/85	VERONA PLANT	South Fence	85ENV537	07/03/85	ND	(0.23)	7-087	ND	(0.08)	
#2	06/28/85	VERONA PLANT	Pre-Mix Area	85ENV538	07/03/85	ND	(0.26)	7-087	ND	(0.09)	
#3	06/28/85	VERONA PLANT	North Fence	85ENV539	07/03/85	ND	(0.25)	7-087	ND	(0.09)	
#4	06/28/85	VERONA PLANT	Rail Siding	85ENV540	07/03/85	ND	(0.27)	7-087	ND	(0.09)	
#1	07/29/85	VERONA PLANT	South Fence	85ENV579	08/12/85	ND	(0.38)	7-177	ND	(0.13)	
#2	07/29/85	VERONA PLANT	Pre-Mix Area	85ENV580	08/12/85	ND	(0.24)	7-177	ND	(0.08)	
#3	07/29/85	VERONA PLANT	North Fence	85ENV581	08/12/85	ND	(0.32)	7-177	ND	(0.11)	
#4	07/29/85	VERONA PLANT	Rail Siding	85ENV582	08/12/85	ND	(0.54)	7-177	ND	(0.13)	
#1	08/29/85	VERONA PLANT	South Fence	85ENV625	09/09/85	ND	(0.40)	7-268	ND	(0.14)	
#2	08/29/85	VERONA PLANT	Pre-Mix Area	85ENV626	09/09/85	ND	(0.39)	7-268	ND	(0.14)	
#3	08/29/85	VERONA PLANT	North Fence	85ENV627	09/09/85	ND	(1.00)	7-268	ND	(0.35)	
#4	08/29/85	VERONA PLANT	Rail Siding	85ENV628	09/09/85	ND	(0.72)	7-268	ND	(0.25)	
#1	09/27/85	VERONA PLANT	South Fence	85ENV656	10/10/85	ND	(0.32)	9-053	ND	(0.11)	
#2	09/27/85	VERONA PLANT	Pre-Mix Area	85ENV657	10/10/85	ND	(0.62)	9-053	ND	(0.22)	
#3	09/27/85	VERONA PLANT	North Fence	85ENV658	10/10/85	ND	(0.72)	9-053	ND	(0.25)	
#4	09/27/85	VERONA PLANT	Rail Siding	85ENV659	10/10/85	ND	(0.26)	9-053	ND	(0.09)	

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TCDD ANALYSIS RESULTS SUMMARY - VERONA EQUIPMENT WIPE TESTS

FILE: VEREQ_R2.DBF USING: VEREQ.FRM

EQUIPMENT NO.	LOCATION	DESCRIPTION	DATE SAMPLED	ANALYTICAL LOG NO.	DATE EXTRACTED	TCDD (ng)	(Limit)	ANALYSIS REF. (TCDD:)	COMMENTS
CRACKER 1200	BUILDING V-1	1200 GAL. MONEL-LINED	07/05/85	85ENV545	07/12/85	ND	(0.55)	7-046	WIPE AREA 2 SQ. FT.
CS 1000	BUILDING V-1	1000 GAL. CARBON STEEL	07/05/85	85ENV542	07/12/85	ND	(0.24)	7-046	WIPE AREA 2 SQ. FT.
GL 1000	BUILDING V-1	1000 GAL. GLASS-LINED	07/05/85	85ENV543	07/12/85	ND	(0.43)	7-046	WIPE AREA 2 SQ. FT.
NICKEL 1000	BUILDING V-1	1000 GAL. NICKEL-LINED	07/05/85	85ENV544	07/12/85	4.1		7-046	CALLED 1200 GAL. IN PLAN. WIPE 2 SQ.FT.
**********	WEST FENCE	316 SS CUNO FILTER, 6A X	/ /		/ /				COULD NOT LOCATE THIS FILTER.
A-7500	WEST FENCE	7500 GAL. SOLVENT STORAGE	07/05/85	85ENV541	07/12/85	ND	(0.33)	7-046	NORTH TANK. WIPE AREA 156 SQ. IN.
B-7500	WEST FENCE	7500 GAL. SOLVENT STORAGE	07/05/85	85ENV549	07/12/85	ND	(0.86)	7-046	SOUTH TANK. WIPE AREA 80 SQ. IN.
GLASOC 500	WEST FENCE	500 GAL. 304 SS MIXING TA	07/31/85	85ENV594	08/15/85	831.0		8-001	
PERRY AE347,304	WEST FENCE	500 GAL. 316 SS WEIGH TAN	07/31/85	85ENV605	08/21/85	21.2		8-018	PARTIALLY COLLAPSED.
PHELPS NO 25R	WEST FENCE	STEEL SCRUBBER, PHELPS MF	07/31/85	85ENV596	08/16/85	424.0		8-001	
SHRIVER 13775	WEST FENCE	ST. SHRIVER FILTER PRESS,	07/31/85	85ENV595	08/16/85	1422.0		8-001	
SHRIVER X-803	WEST FENCE	CONTINOUS FILTER,DRUM FIL	07/31/85	85ENV597	08/16/85	54.2		8-086	
VD121663-47-101	WEST FENCE	300 GAL. SS CONE BOTTOM R	07/31/85	85ENV606	08/21/85	23.2		8-018	
VD121647-47-279	WEST FENCE	200 GAL. 304 SS VAC. RECE	07/31/85	85ENV593	08/15/85	46.2		8-001	

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Multiple Analytes Results Summary - VERONA SOIL

FILE: ANALMUL4.DBF USING: LISTMULA.FRM

SAMPLE ID NUMBER	SAMPLE DATE	LOCATION	DESCRIPTION	ANALYTICAL LOG NO.	TCB EXTRN DATE	ANALYSIS REF. (TCB:)	1245-TCB (ppb)	(Limit)	PHENOLS EXTRN DATE	ANALYSIS REF. (PHEN:)	245-TCP (ppb)	(Limit)	HEX (ppb)	(Limit)	COMMENTS
106.0000	4/10/85	GRID	COMPOSITE	85ENV086	10/15/85	12-110	ND	(1.4)	10/15/85	13-237	ND	(2.1)	ND	(3.4)	
124.0000	4/11/85	GRID	COMPOSITE	85ENV094	06/20/85	12-001	ND	(2.5)	10/08/85	13-097	ND	(8.3)	30.6		
127.0000	4/11/85	GRID	COMPOSITE	85ENV097	06/20/85	12-001	ND	(1.8)	10/08/85	13-097	ND	(5.2)	ND	(8.3)	
146.0000	4/15/85	GRID	COMPOSITE	85ENV114	07/03/85	12-014	ND	(2.5)	10/08/85	13-097	ND	(4.6)	36.6		
147.0000	4/15/85	GRID	COMPOSITE	85ENV115	07/03/85	12-014	ND	(2.3)	10/08/85	13-097	ND	(5.5)	19.2		
148.0000	4/15/85	GRID	COMPOSITE	85ENV116	07/03/85	12-014	3.2		10/08/85	13-097	ND	(9.0)	239		
153.0000	4/16/85	GRID	COMPOSITE	85ENV121	07/03/85	12-014	ND	(2.6)	10/08/85	13-097	ND	(8.3)	27.1		
156.0000	4/16/85	GRID	COMPOSITE	85ENV124	07/03/85	12-014	ND	(2.3)	10/09/85	13-153	ND	(8.7)	218		
183.0000	4/17/85	GRID	COMPOSITE	85ENV135	07/03/85	12-014	ND	(2.4)	10/09/85	13-153	ND	(6.1)	ND	(23)	
183.0000	4/17/85	GRID	COMPOSITE	85ENV135-D	10/29/85	12-208	ND	(3.5)	10/22/85	13-387	ND	(3.5)	19.5		Duplicate Analysis
183.0000	4/17/85	GRID	COMPOSITE	85ENV135-T	10/31/85	12-233	ND	(1.7)	10/29/85	13-361	ND	(2.1)	45.3		Triplicate Analysis
183.0000	4/17/85	GRID	COMPOSITE	85ENV135.Q	11/11/85	12-244	ND	(1.3)	/ /		-------		--------		Quadruplicate Analysis
186.0000	4/18/85	GRID	COMPOSITE	85ENV138	07/26/85	12-035	8.4		09/30/85	13-122	58.2		86.8		
186.0000	4/18/85	GRID	COMPOSITE	85ENV138-D	/ /		-------		10/09/85	13-153	48.3		358		Duplicate Analysis
213.0000	4/24/85	GRID	COMPOSITE	85ENV162	07/26/85	12-035	6.7		09/30/85	13-122	40.8		822		
213.0000	4/24/85	GRID	COMPOSITE	85ENV162-D	/ /		-------		10/09/85	13-153	8.8		397		Duplicate Analysis
216.0000	4/24/85	GRID	COMPOSITE	85ENV165	07/26/85	12-035	7.0		09/30/85	13-122	ND	(21)	30.3		
216.0000	4/24/85	GRID	COMPOSITE	85ENV165-D	11/11/85	12-244	ND	(1.8)	10/09/85	13-153	ND	(5.2)	94.5		Duplicate Analysis
234.0000	4/25/85	GRID	COMPOSITE	85ENV173	07/26/85	12-035	ND	(3.9)	09/30/85	13-122	ND	(26)	ND	(14)	
234.0000	4/25/85	GRID	COMPOSITE	85ENV173-D	11/12/85	12-257	ND	(2.6)	11/12/85	13-463	ND	(1.2)	109		Duplicate Analysis
243.0000	4/26/85	GRID	COMPOSITE	85ENV182	07/26/85	12-051	9.7		09/30/85	13-122	46.0		1270		
243.0000	4/26/85	GRID	COMPOSITE	85ENV182-D	/ /		-------		10/10/85	13-174	47.3		3740		Duplicate Analysis
246.0000	4/25/85	GRID	COMPOSITE	85ENV174	07/26/85	12-035	ND	(3.8)	09/30/85	13-122	ND	(6.0)	ND	(6.6)	
246.0000	4/25/85	GRID	COMPOSITE	85ENV174-D	/ /		-------		10/10/85	13-174	ND	(9.0)	ND	(25)	Duplicate Analysis
255.0000	4/26/85	GRID	COMPOSITE	85ENV186	07/26/85	12-051	ND	(5.9)	10/10/85	13-174	ND	(6.1)	ND	(36)	
255.0000	4/26/85	GRID	COMPOSITE	85ENV186-D	11/11/85	12-244	ND	(1.8)	11/11/85	13-463	ND	(3.7)	17.7		Duplicate Analysis
276.0000	4/25/85	GRID	COMPOSITE	85ENV181	07/26/85	12-051	ND	(5.0)	09/30/85	13-122	ND	(7.1)	ND	(6.6)	
276.0000	4/25/85	GRID	COMPOSITE	85ENV181-D	/ /		-------		10/10/85	13-174	ND	(7.5)	ND	(15)	Duplicate Analysis
3195.0000	5/9/85	IRRIGATION AREA	COMP. OF 8 (0-1')	85ENV254	08/01/85	12-087	238		10/13/85	13-206	1260		13800		
3195.0000	5/9/85	IRRIGATION AREA	COMP. OF 8 (0-1')	85ENV254-D	11/11/85	12-244	209		11/11/85	13-463	818		5450		TCB/TCP/HEX by GC/MS (12-278/13-511)
3195.0000	5/9/85	IRRIGATION AREA	COMP. OF 8 (0-1')	85ENV254-T	11/12/85	12-257	182		11/12/85	13-463	629		4130		Triplicate Analysis
3214.1303	5/29/85	LAGOON AREA	COMP. OF 4 (3-4.5')	85ENV409	08/01/85	12-087	42.2		10/07/85	13-060	103		4730		
3214.1309	5/24/85	LAGOON AREA	COMP. OF 4 (3-4.5')	85ENV319	08/01/85	12-087	177		10/06/85	13-039	1540		31000		
3214.1403	5/29/85	LAGOON AREA	COMP. OF 4 (4.5-6')	85ENV411	08/09/85	12-061	62.7		10/07/85	13-060	243		12600		TCP/HEX ID by GC/MS (13-085)
3214.1409	5/24/85	LAGOON AREA	COMP. OF 4 (4.5-6')	85ENV321	08/01/85	12-087	29.5		10/13/85	13-206	270		12500		
3214.2304	5/22/85	LAGOON AREA	COMP. OF 4 (3-4.5')	85ENV326	08/01/85	12-087	116		10/06/85	13-039	265		15100		

*** CONFIDENTIAL ***

Multiple Analytes Results Summary - VERONA SOIL

FILE: ANALMUL4.DBF USING: LISTMULA.FRM

SAMPLE ID NUMBER	SAMPLE DATE	LOCATION	DESCRIPTION	ANALYTICAL LOG NO.	TCB EXTRN DATE	ANALYSIS REF. (TCB:)	1245-TCB (ppb)	(Limit)	PHENOLS EXTRN DATE	ANALYSIS REF. (PHEN:)	245-TCP (ppb)	(Limit)	HEX (ppb)	(Limit)	COMMENTS
3214.2306	5/23/85	LAGOON AREA	COMP. OF 4 (3-4.5')	85ENV327	08/01/85	12-087	51.0		10/06/85	13-039	781		46200		
3214.2404	5/22/85	LAGOON AREA	COMP. OF 4 (4.5-6')	85ENV328	08/01/85	12-087	30.8		10/13/85	13-206	337		8890		
3214.2406	5/23/85	LAGOON AREA	COMP. OF 4 (4.5-6')	85ENV329	08/01/85	12-087	22.5		10/07/85	13-060	147		2550		
3223.4301	6/4/85	LAGOON AREA	COMP. OF 4 (3-4.5')	85ENV420	08/09/85	12-061	12.2		11/11/85	13-463	21.4		1270		
3223.4301	6/4/85	LAGOON AREA	COMP. OF 4 (3-4.5')	85ENV420-D	10/13/85	12-257	30.7		11/12/85	13-463	13.3		616		Duplicate Analysis
3223.4301	6/4/85	LAGOON AREA	COMP. OF 4 (3-4.5')	85ENV420-T	11/12/85	12-257	41.3		/ /		-------		--------		Triplicate Analysis
3223.4401	6/4/85	LAGOON AREA	COMP. OF 4 (4.5-6')	85ENV422	08/09/85	12-061	25.7		10/13/85	13-206	31.8		3690		
3224.3302	5/31/85	LAGOON AREA	COMP. OF 4 (3-4.5')	85ENV414	08/09/85	12-061	27.7		10/07/85	13-060	91.0		4670		
3224.3402	5/31/85	LAGOON AREA	COMP. OF 4 (4.5-6')	85ENV415	08/09/85	12-061	14.8		10/07/85	13-060	69.0		3290		
223.1101	6/5/85	LAGOON AREA-PERIM'R	PERIM'R BORE (0-1.5')	85ENV427	08/09/85	12-061	6.4		10/13/85	13-206	11.8		766		
223.1201	6/5/85	LAGOON AREA-PERIM'R	PERIM'R BORE (1.5-3')	85ENV428	08/09/85	12-061	11.8		10/14/85	13-228	10.5		81.9		
223.1301	6/5/85	LAGOON AREA-PERIM'R	PERIM'R BORE (3-4.5')	85ENV530	10/28/85	12-180	1.2		10/28/85	13-415	4.4		189		
223.1401	6/5/85	LAGOON AREA-PERIM'R	PERIM'R BORE (4.5-6')	85ENV531	10/28/85	12-180	ND	(3.5)	10/28/85	13-415	3.8		238		
223.4103	6/5/85	LAGOON AREA-PERIM'R	PERIM'R BORE (0-1.5')	85ENV429	08/09/85	12-061	54.5		11/11/85	13-463	468		53200		
223.4103	6/5/85	LAGOON AREA-PERIM'R	PERIM'R BORE (0-1.5')	85ENV429-D	10/14/85	12-257	108		11/12/85	13-463	557		81200		Duplicate Analysis
223.4103	6/5/85	LAGOON AREA-PERIM'R	PERIM'R BORE (0-1.5')	85ENV429-T	11/12/85	12-257	159		/ /		-------		--------		Triplicate Analysis
223.4203	6/5/85	LAGOON AREA-PERIM'R	PERIM'R BORE (1.5-3')	85ENV430	10/15/85	12-110	216		10/15/85	13-237	8.4		534		TCB ID by GC/MS (12-174)
223.4303	6/5/85	LAGOON AREA-PERIM'R	PERIM'R BORE (3-4.5')	85ENV431	10/15/85	12-110	8.7		10/15/85	13-237	889		65900		TCP/HEX ID by GC/MS (13-265)
223.4403	6/5/85	LAGOON AREA-PERIM'R	PERIM'R BORE (4.5-6')	85ENV432	10/15/85	12-110	ND	(1.7)	10/15/85	13-237	5.5		296		
224.1101	6/5/85	LAGOON AREA-PERIM'R	PERIM'R BORE (0-1.5')	85ENV433	10/16/85	12-110	36.9		10/16/85	13-278	725		27200		
224.1201	6/5/85	LAGOON AREA-PERIM'R	PERIM'R BORE (1.5-3')	85ENV434	10/16/85	12-110	465		10/16/85	13-278	5360		117000		TCB ID by GC/MS (12-168)
224.1301	6/5/85	LAGOON AREA-PERIM'R	PERIM'R BORE (3-4.5')	85ENV435	10/16/85	12-110	250		10/16/85	13-278	2360		56500		
224.1401	6/5/85	LAGOON AREA-PERIM'R	PERIM'R BORE (4.5-6')	85ENV436	10/16/85	12-137	91.4		10/16/85	13-278	807		26100		
224.2101	6/5/85	LAGOON AREA-PERIM'R	PERIM'R BORE (0-1.5')	85ENV437	10/16/85	12-137	178		10/16/85	13-296	3480		170000		
224.2201	6/5/85	LAGOON AREA-PERIM'R	PERIM'R BORE (1.5-3')	85ENV438	10/16/85	12-137	36.1		10/16/85	13-296	91.4		6640		
224.2301	6/5/85	LAGOON AREA-PERIM'R	PERIM'R BORE (3-4.5')	85ENV439	10/17/85	12-137	23.8		10/17/85	13-334	3.2		320		
224.2401	6/5/85	LAGOON AREA-PERIM'R	PERIM'R BORE (4.5-6')	85ENV440	10/17/85	12-137	28.0		10/17/85	13-334	18.5		4150		
233.4101	6/6/85	LAGOON AREA-PERIM'R	PERIM'R BORE (0-1.5')	85ENV441	10/17/85	12-137	3.9		10/17/85	13-334	3.8		397		
233.4201	6/6/85	LAGOON AREA-PERIM'R	PERIM'R BORE (1.5-3')	85ENV442	10/17/85	12-137	ND	(2.8)	10/17/85	13-334	2.3		190		
233.4301	6/6/85	LAGOON AREA-PERIM'R	PERIM'R BORE (3-4.5')	85ENV443	10/17/85	12-137	ND	(2.8)	10/17/85	13-334	ND	(2.4)	42.1		
233.4401	6/6/85	LAGOON AREA-PERIM'R	PERIM'R BORE (4.5-6')	85ENV444	10/17/85	12-137	ND	(4.9)	10/17/85	13-334	ND	(1.8)	178		
234.3101	6/6/85	LAGOON AREA-PERIM'R	PERIM'R BORE (0-1.5')	85ENV445	10/31/85	12-208	8.3		10/22/85	13-387	51.6		3090		
234.3201	6/6/85	LAGOON AREA-PERIM'R	PERIM'R BORE (1.5-3')	85ENV446	10/31/85	12-208	3.3		10/22/85	13-387	90.5		8070		
234.3301	6/6/85	LAGOON AREA-PERIM'R	PERIM'R BORE (3-4.5')	85ENV447	10/31/85	12-208	2.6		10/22/85	13-387	5.5		42.9		
234.3401	6/6/85	LAGOON AREA-PERIM'R	PERIM'R BORE (4.5-6')	85ENV448	10/31/85	12-223	ND	(3.3)	10/22/85	13-387	ND	(4.7)	169		
234.4101	6/6/85	LAGOON AREA-PERIM'R	PERIM'R BORE (0-1.5')	85ENV449	10/28/85	12-180	ND	(2.8)	10/28/85	13-415	ND	(4.7)	8.4		

*** CONFIDENTIAL ***

Multiple Analytes Results Summary - VERONA SOIL

FILE: ANALMUL4.DBF USING: LISTMULA.FRM

SAMPLE ID NUMBER	SAMPLE DATE	LOCATION	DESCRIPTION	ANALYTICAL LOG NO.	TCB EXTRN DATE	ANALYSIS REF. (TCB:)	1245-TCB (ppb)	(Limit)	PHENOLS EXTRN DATE	ANALYSIS REF. (PHEN:)	245-TCP (ppb)	(Limit)	HEX (ppb)	(Limit)	COMMENTS
234.4201	6/6/85	LAGOON AREA-PERIM'R	PERIM'R BORE (1.5-3')	85ENV450	10/28/85	12-180	ND	(1.8)	10/28/85	13-415	ND	(4.7)	ND	(4.3)	
234.4301	6/6/85	LAGOON AREA-PERIM'R	PERIM'R BORE (3-4.5')	85ENV451	10/28/85	12-180	ND	(4.9)	10/28/85	13-415	ND	(3.5)	17.4		
234.4401	6/6/85	LAGOON AREA-PERIM'R	PERIM'R BORE (4.5-6')	85ENV452	10/28/85	12-180	0.9		10/28/85	13-415	ND	(3.5)	18.7		
305.1000	6/28/85	TRENCH AREA	COMP. FOR HOLE #5.1	85ENV547	10/30/85	12-181	ND	(1.0)	10/30/85	13-440	1430		ND	(2.4)	
305.2000	7/29/85	TRENCH AREA	COMP. FOR HOLE #5.2	85ENV587	10/30/85	12-208	ND	(5.4)	10/30/85	13-440	41.8		4.0		
309.1000	6/19/85	TRENCH AREA	COMP. FOR HOLE #9.1	85ENV532	10/29/85	12-180	15.7		10/29/85	13-361	14.1		ND	(2.0)	
309.2000	6/24/85	TRENCH AREA	COMP. FOR HOLE #9.2	85ENV546	10/29/85	12-180	ND	(6.9)	10/29/85	13-361	30.1		3.2		
312.1000	6/17/85	TRENCH AREA	COMP. FOR HOLE #12.1	85ENV533	10/29/85	12-180	ND	(0.6)	10/29/85	13-361	15.1		ND	(3.1)	
312.2000	6/13/85	TRENCH AREA	COMP. FOR HOLE #12.2	85ENV534	10/29/85	12-180	ND	(0.9)	10/29/85	13-361	ND	(3.2)	37.2		
319.1000	7/3/85	TRENCH AREA	COMP. FOR HOLE #19.1	85ENV548	10/30/85	12-208	ND	(1.1)	10/30/85	13-440	9.6		ND	(2.1)	
319.1000	7/3/85	TRENCH AREA	COMP. FOR HOLE #19.1	85ENV548-D	11/12/85	12-257	ND	(1.3)	11/12/85	13-498	5.4		3.3		Duplicate Analysis
319.2000	7/12/85	TRENCH AREA	COMP. FOR HOLE #19.2	85ENV592	10/30/85	12-208	ND	(2.7)	10/30/85	13-440	3.9		5.4		
321.1000	8/6/85	TRENCH AREA	COMP. 0-2' SAMPLES	85ENV608	10/30/85	12-208	67.3		10/30/85	13-440	61.4		3490		
321.1000	8/6/85	TRENCH AREA	COMP. 0-2' SAMPLES	85ENV608-D	11/12/85	12-257	79.6		11/12/85	13-498	33.1		1230		Duplicate Analysis
321.2000	8/6/85	TRENCH AREA	COMP. 2-5' SAMPLES	85ENV609	10/30/85	12-208	19.5		10/30/85	13-440	5.2		128		

Possible surface soil item

TE :08/09/85
TABASE: RECENT
PORT FOR SITE: SYNTEX PROPERTY

Keep

TE	EPA NO	VALUE	C	K	V	SAMPLED	DESCRIPTION
N	AK651010	.020			V	05/15/85	SOIL SMPL, COMPOSITE OF 8 PERIMETER BORINGS AROUND BURN AREA 36-54' DEPTH, 8 ALIQUOTS
N	AK651011	.080	U		V	05/20/85	SOIL SMPL, LAGOON AREA, TRENCH, SYNTEX #214.2409, 3-4&1/2' DEPTH, 1 ALIQUOT
N	AK651011L	.400	U		V	05/20/85	SOIL SMPL, LAGOON AREA, TRENCH, SYNTEX #214.2409, 3-4&1/2' DEPTH, 1 ALIQUOT
N	AK651012	.040			V	05/21/85	SOIL SMPL, LAGOON TRENCH LOC 214.2007, 36-54' DEPTH, 1 ALIQUOT
N	AK651013	1.800			V	05/24/85	SOIL SMPL, COMP OF 214.1309, 224.4307, 214.2303, ETC 36-54' DEPTH, 8 ALIQUOTS
N	AK651014	.750	U		V	05/24/85	SOIL SMPL, COMP. OF 214.1409, 224.4407, 214.2403, ETC 54-72' DEPTH, 8 ALIQUOTS
N	AK651015	979.000			V	05/24/85	SOIL SMPL, RED/PRPL COLORED ASH LIKE SUBSTANCES LOC 214.2101 0-18' DEPTH, 1 ALIQUOT
N	AK651015L	1120.000			V	05/24/85	SOIL SMPL, RED/PRPL COLORED ASH LIKE SUBSTANCES LOC 214.2101 0-18' DEPTH, 1 ALIQUOT
N	AK651016	4.000			V	05/24/85	SOIL SMPL, COMP. OF 214.1307, 214.1308, 214.2301, ETC, 36-54' DEPTH , 8 ALIQUOTS
N	AK651017	2.200			V	05/24/85	SOIL SMPL, COMP. OF 214.1407, 214.1408, 214.2401, ETC, 54-72' DEPTH, 8 ALIQUOTS
N	AK651018	.420			V	05/29/85	SOIL SMPL, COMP. OF 214.1301, 214.1302, 214.1303, ETC, 36-54' DEPTH, 8 ALIQUOTS
N	AK651019	.170			V	05/29/85	SOIL SMPL, COMP. OF 214.1401, 214.1402, 214.1403, ETC, 54-72' DEPTH, 8 ALIQUOTS
N	AK651020	.100	U		V	06/05/85	SOIL SMPL, COMP OF 224.4302, 224.4303 ETC, 36-54' DEPTH, 8 ALIQUOTS
N	AK651020L	.100	U		V	06/05/85	SOIL SMPL, COMP OF 224.4302, 224.4303 ETC, 36-54' DEPTH, 8 ALIQUOTS
N	AK651021	.100	U		V	05/31/85	SOIL SMPL, COMP OF 224.4402, 224.4403 ETC, 54-72' DEPTH, 8 ALIQUOTS
N	AK651022	.400			V	06/04/85	SOIL SMPL, COMP OF 224.3005, 224.3006 ETC, 36-54' DEPTH, 8 ALIQUOTS
N	AK651023	.100			V	06/04/85	SOIL SMPL, COMP OF 224.3005, 224.3006 ETC, 54-72' DEPTH, 8 ALIQUOTS
N	AK651024	.100	U		V	06/05/85	SOIL SMPL, LOC 223.4303, 36-54' DEPTH, 1 ALIQUOT
N	AK651025	.100	U		V	06/05/85	SOIL SMPL, LOC 223.4403, 54-72' DEPTH, 1 ALIQUOT
N	AK651026	.100	U		V	06/05/85	SOIL SMPL, LOC 223.1101, 0-18' DEPTH, 1 ALIQUOT
N	AK651027	.100	U		V	06/05/85	SOIL SMPL, LOC 223.1201, 18-36' DEPTH, 1 ALIQUOT
N	AK651028	.100	U		V	06/05/85	SOIL SMPL, LOC 223.1301, 36-54' DEPTH, 1 ALIQUOT
N	AK651029	.100	U		V	06/05/85	SOIL SMPL, LOC 223.1401, 54-72' DEPTH, 1 ALIQUOT
N	AK651030	.100	U		V	06/06/85	SOIL SMPL, LOC 233.4301, 36-54' DEPTH, 1 ALIQUOT
N	AK651031	.100	U		V	06/06/85	SOIL SMPL, LOC 233.4401, 54-72' DEPTH, 1 ALIQUOT
N	AK651032	.100	U		V	06/06/85	SOIL SMPL, LOC 234.3301, 36-54' DEPTH, 1 ALIQUOT
N	AK651033	.100	U		V	06/06/85	SOIL SMPL, LOC 234.3401, 54-72' DEPTH, 1 ALIQUOT

DATE 108/30/85
DATABASE: RECENT
REPORT FOR SITE: SYNTEX PROPERTY

SITE	EPA NO	VALUE	C	R	V	SAMPLED	DESCRIPTION
SYN	AK651013	1.800			V	05/24/85	SOIL SMPL, COMP OF 214.1309, 224.4307, 214.2303, ETC 36-54' DEPTH, 8 ALIQUOTS
SYN	AK651014	.750	U		V	05/24/85	SOIL SMPL, COMP. OF 214.1409, 224.4407, 214.2403, ETC 54-72' DEPTH, 8 ALIQUOTS
SYN	AK651015	979.000			V	05/24/85	SOIL SMPL, RED/PRPL COLORED ASH LIKE SUBSTANCES LOC 214.2101 0-18' DEPTH, 1 ALIQUOT
SYN	AK651015L	1120.000			V	05/24/85	SOIL SMPL, RED/PRPL COLORED ASH LIKE SUBSTANCES LOC 214.2101 0-18' DEPTH, 1 ALIQUOT
SYN	AK651016	4.000			V	05/24/85	SOIL SMPL, COMP. OF 214.1307, 214.1308, 214.2301, ETC, 36-54' DEPTH , 8 ALIQUOTS
SYN	AK651017	2.200			V	05/24/85	SOIL SMPL, COMP. OF 214.1407, 214.1408, 214.2401, ETC, 54-72' DEPTH, 8 ALIQUOTS
SYN	AK651018	.420			V	05/29/85	SOIL SMPL, COMP. OF 214.1301, 214.1302, 214.1303, ETC, 36-54' DEPTH, 8 ALIQUOTS
SYN	AK651019	.170			V	05/29/85	SOIL SMPL, COMP. OF 214.1401, 214.1402, 214.1403, ETC, 54-72' DEPTH, 8 ALIQUOTS
SYN	AK651020	.100	U		V	06/05/85	SOIL SMPL, COMP OF 224.4302, 224.4303 ETC, 36-54' DEPTH, 8 ALIQUOTS
SYN	AK651020L	.100	U		V	06/05/85	SOIL SMPL, COMP OF 224.4302, 224.4303 ETC, 36-54' DEPTH, 8 ALIQUOTS
SYN	AK651021	.100	U		V	05/31/85	SOIL SMPL, COMP OF 224.4402, 224.4403 ETC, 54-72' DEPTH, 8 ALIQUOTS
SYN	AK651022	.400			V	06/04/85	SOIL SMPL, COMP OF 224.3005, 224.3006 ETC, 36-54' DEPTH, 8 ALIQUOTS
SYN	AK651023	.100			V	06/04/85	SOIL SMPL, COMP OF 224.3005, 224.3006 ETC, 54-72' DEPTH, 8 ALIQUOTS
SYN	AK651024	.100	U		V	06/05/85	SOIL SMPL, LOC 223.4303, 36-54' DEPTH, 1 ALIQUOT
SYN	AK651025	.100	U		V	06/05/85	SOIL SMPL, LOC 223.4403, 54-72' DEPTH, 1 ALIQUOT
SYN	AK651026	.100	U		V	06/05/85	SOIL SMPL, LOC 223.1101, 0-18' DEPTH, 1 ALIQUOT
SYN	AK651027	.100	U		V	06/05/85	SOIL SMPL, LOC 223.1201, 18-36' DEPTH, 1 ALIQUOT
SYN	AK651028	.100	U		V	06/05/85	SOIL SMPL, LOC 223.1301, 36-54' DEPTH, 1 ALIQUOT
SYN	AK651029	.100	U		V	06/05/85	SOIL SMPL, LOC 223.1401, 54-72' DEPTH, 1 ALIQUOT
SYN	AK651030	.100	U		V	06/06/85	SOIL SMPL, LOC 233.4301, 36-54' DEPTH, 1 ALIQUOT
SYN	AK651031	.100	U		V	06/06/85	SOIL SMPL, LOC 233.4401, 54-72' DEPTH, 1 ALIQUOT
SYN	AK651032	.100	U		V	06/06/85	SOIL SMPL, LOC 234.3301, 36-54' DEPTH, 1 ALIQUOT
SYN	AK651033	.100	U		V	06/06/85	SOIL SMPL, LOC 234.3401, 54-72' DEPTH, 1 ALIQUOT
SYN	AK651034	-9.000				06/13/85	SOIL SMPL, LOC 10 FT N & 15 FT E OF T-12, DEPTH 15-21' ALIQUOTS 3
SYN	AK651034	-9.000				06/13/85	SOIL SMPL, LOC 10 FT N & 15 FT E OF T-12, DEPTH 15-21' ALIQUOTS 3
SYN	AK651035	-9.000				06/17/85	SOIL SMPL, T-12 TRENCH AREA, DEPTH 180-252' ALIQUOTS 3
SYN	AK651035	-9.000				06/17/85	SOIL SMPL, T-12 TRENCH AREA, DEPTH 180-252' ALIQUOTS 3
SYN	AK651036	-9.000				06/19/85	SOIL SMPL, ANGLE 9.100 ODOR FROM HOLE, DEPH 23-29' ALIQUOTS 3
SYN	AK651036	-9.000				06/19/85	SOIL SMPL, ANGLE 9.100 ODOR FROM HOLE, DEPH 23-29' ALIQUOTS 3
SYN	AK651037	-9.000				06/24/85	SOIL SMPL, RED CLAY W/GRAVEL, ANGLE 9.2000, DEPTH 23-9'30-2' ALIQUOTS 3
SYN	AK651037	-9.000				06/24/85	SOIL SMPL, RED CLAY W/GRAVEL, ANGLE 9.2000, DEPTH 23-9'30-2' ALIQUOTS 3
SYN	AK651038	-9.000				06/28/85	SOIL SMPL, ANGLE 5.1000 DEPTH 19'-29'-6' ALIQUOTS 5
SYN	AK651038	-9.000				06/28/85	SOIL SMPL, ANGLE 5.1000 DEPTH 19'-29'-6' ALIQUOTS 5
SYN	AK651039	-9.000				07/03/85	SOIL SMPL, COMPOSITE FROM 19.1000, DEPTH 23'6"-29'6"
SYN	AK651039	-9.000				07/03/85	SOIL SMPL, COMPOSITE FROM 19.1000, DEPTH 23'6"-29'6"
SYN	AK651040	-9.000				07/12/85	SOIL SMPL, COMPOSITE FROM 19.2000, DEPTH 27'6"-29'6" ALIQUOT 3
SYN	AK651040	-9.000				07/12/85	SOIL SMPL, COMPOSITE FROM 19.2000, DEPTH 27'6"-29'6" ALIQUOT 3
SYN	AK651041	-9.000				07/29/85	SOIL SMPL, ANGLE BORING 5.2, DEPTH 19-35' ALIQUOTS 8
SYN	AK651041	-9.000				07/29/85	SOIL SMPL, ANGLE BORING 5.2, DEPTH 19-35' ALIQUOTS 8
SYN	AK651042	-9.000				08/02/85	SOIL SMPL, LOC BR 3 DEPTH 45-56' ALIQUOTS 20
SYN	AK651042	-9.000				08/02/85	SOIL SMPL, LOC BR 3 DEPTH 45-56' ALIQUOTS 20
SYN	AK651043	-9.000				08/06/85	SOIL SMPL, TRENCH AREA SHALLOW, DEPTH 0-24' ALIQUOTS 2
SYN	AK651043	-9.000				08/06/85	SOIL SMPL, TRENCH AREA SHALLOW, DEPTH 0-24' ALIQUOTS 2
SYN	AK651044	-9.000				08/06/85	SOIL SMPL, TRENCH AREA SHALLOW, DEPH 24-60' ALIQUOTS 3
SYN	AK651044	-9.000				08/06/85	SOIL SMPL, TRENCH AREA SHALLOW, DEPH 24-60' ALIQUOTS 3

Received from Envirodyne 8-28

Kept

PAGE 1
DATE 08/28/85 TIME 14:51
DATA BASE= DATA.TEMP
REPORT FROM = DIOWORK

SITE	EPA NO	VALUE	C	R	TY	V	SAMPLED	DESCRIPTION
SYN	AK651034	.040	U				06/13/85	SOIL SMPL, LOC 10 FT N & 15 FT E OF T-12, DEPTH 15-21' ALIQUOTS 3
SYN	AK651034	.020	U		L		06/13/85	SOIL SMPL, LOC 10 FT N & 15 FT E OF T-12, DEPTH 15-21' ALIQUOTS 3
SYN	AK651035	.021	U				06/17/85	SOIL SMPL, T-12 TRENCH AREA, DEPTH 180-252" ALIQUOTS 3
SYN	AK651036	.096	U				06/19/85	SOIL SMPL, ANGLE 9.100 ODOR FROM HOLE, DEPH 23-29' ALIQUOTS 3
SYN	AK651037	.038	U				06/24/85	SOIL SMPL, RED CLAY W/GRAVEL, ANGLE 9.2000, DEPTH 23-9'30-2' ALIQUOTS 3
SYN	AK651038	.082	U				06/28/85	SOIL SMPL, ANGLE 5.1000 DEPTH 19'-29'-6' ALIQUOTS 5
SYN	AK651039	.047	U				07/03/85	SOIL SMPL, COMPOSITE FROM 19.1000, DEPTH 23'6"-29'6"
SYN	AK651040	.040	U				07/12/85	SOIL SMPL, COMPOSITE FROM 19.2000, DEPTH 27'6"-29'6" ALIQUOT 3
SYN	AK651041	.010	U				07/29/85	SOIL SMPL, ANGLE BORING 5.2, DEPTH 19-35" ALIQUOTS 8
SYN	AK651042	.029	U				08/02/85	SOIL SMPL, LOC BR 3 DEPTH 45-56' ALIQUOTS 20
SYN	AK651043	.220	U				08/06/85	SOIL SMPL, TRENCH AREA SHALLOW, DEPTH 0-24" ALIQUOTS 2
SYN	AK651044	.079	U				08/06/85	SOIL SMPL, TRENCH AREA SHALLOW, DEPH 24-60" ALIQUOTS 3
FFS	OCL34032	.019	U		E		08/06/85	ENVIRONMENTAL SOIL SAMPLE COLLECTED AT FAIRFAX SITE
SPK	OCL35035	.940			S		08/06/85	ENVIRONMENTAL SOIL SAMPLE TO BE SPIKED BY LAB
KNW	OCL48024	7.400			K		08/06/85	EMSL/LV AUDIT. SIGMA 26

Received from Merck 6-6-85

PAGE 1
DATE 06/14/85 TIME 15:28
DATA BASE= DATA.TEMP
REPORT FROM = DIOWORK

Keep to

SITE	EPA NO	VALUE	C	R	TY	V	SAMPLED	DESCRIPTION
SPK	OCL35056	.850			S		05/17/85	ENVIRONMENTAL SOIL SAMPLE TO BE SPIKED BY LAB
SYN	AK651006	6.500					05/07/85	SEDIMENT SMPL, LOC 4600.6009, 0-9" DEPTH, 1 ALIQUOTS
KNW	OCL47015	3.400			K		05/17/85	EMSL/LV AUDIT, SIGMA 17
SYN	AK651007	10.200					05/07/85	SOIL SMPL, LOC 4600.5009, 0-9" DEPTH, 1 ALIQUOTS
SYN	AK651008	.310					05/07/85	SOIL SMPL, LOC 4600.7009, 0-9" DEPTH, 1 ALIQUOT
SYN	AK651009	1.500					05/10/85	SOIL SMPL, COMPOSITE OF 4 PERIMTR SMPL AROUND IRRIGATION AREA 0-12" DEPTH, 4 ALIQUOT
FFS	OCL34051	.010			E		05/17/85	ENVIRONMENTAL SOIL SAMPLE COLLECTED AT FAIRFAX SITE

SYN = Syntex

PAGE 1
DATE 06/14/85 TIME 15:34
DATA BASE= DATA.TEMP
REPORT FROM = DIOWORK

Rec'd on 6-6-85

Keep

SITE	EPA NO	VALUE	C	R	TY	V	SAMPLED	DESCRIPTION
SYN	AK651010	.020					05/15/85	SOIL SMPL, COMPOSITE OF 8 PERIMTR BORINGS AROUND BURN AREA 36-54' DEPTH, 8 ALIQUOTS

Received from CompuChem
6-17-85
Keep KO

PAGE 1
DATE 06/18/85 TIME 11:46
DATA BASE= DATA.TEMP
REPORT FROM = DIOWORK

SITE	EPA NO	VALUE	C	R	TY	V	SAMPLED	DESCRIPTION
SPK	OCL35023	.880			S		05/20/85	ENVIRONMENTAL SOIL SAMPLE TO BE SPIKED BY LAB
KNW	OCL48008	8.100			K		05/20/85	EMSL/LV AUDIT, SIGMA 26
SYN	AK651012	.040					05/21/85	SOIL SMPL, LAGOON TRENCH LOC 214.2007, 36-54" DEPTH, 1 ALIQUOT
SYN	AK651013	1.800					05/24/85	SOIL SMPL, COMP OF 214.1309, 224.4307, 214.2303, ETC 36-54" DEPTH, 8 ALIQUOTS
SYN	AK651014	.750	U				05/24/85	SOIL SMPL, COMP. OF 214.1409, 224.4407, 214.2403, ETC 54-72" DEPTH, 8 ALIQUOTS
SYN	AK651016	4.000					05/24/85	SOIL SMPL, COMP. OF 214.1307, 214.1308, 214.2301, ETC, 36-54" DEPTH , 8 ALIQUOTS
SYN	AK651017	2.200					05/24/85	SOIL SMPL, COMP. OF 214.1407, 214.1408, 214.2401, ETC, 54-72" DEPTH, 8 ALIQUOTS
SYN	AK651019	.170					05/29/85	SOIL SMPL, COMP. OF 214.1401, 214.1402, 214.1403, ETC, 54-72" DEPTH, 8 ALIQUOTS
FFS	OCL34023	.020	U		E		05/20/85	ENVIRONMENTAL SOIL SAMPLE COLLECTED AT FAIRFAX SITE
SYN	AK651018	.420					05/29/85	SOIL SMPL, COMP. OF 214.1301, 214.1302, 214.1303, ETC, 36-54" DEPTH, 8 ALIQUOTS
SYN	AK651011	.080	U				05/20/85	SOIL SMPL, LAGOON AREA, TRENCH, SYNTEX #214.2409, 3-4#1/2" DEPTH, 1 ALIQUOT
SYN	AK651011	.400	U		L		05/20/85	SOIL SMPL, LAGOON AREA, TRENCH, SYNTEX #214.2409, 3-431/2" DEPTH, 1 ALIQUOT
SYN	AK651015	-9.000					05/24/85	SOIL SMPL, RED/PRPL COLORED ASH LIKE SUBSTANCES LOC 214.2101 0-18" DEPTH, 1 ALIQUOT

SYN = Syntex Property

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 7
25 FUNSTON ROAD
KANSAS CITY, KANSAS 66115

October 11, 1985

MEMORANDUM

SUBJECT: Trip Report - Syntex Groundwater Sampling, Verona, Missouri

FROM: Paul E. Doherty
Chief, SINV/EP&R/ENSV

TO: Robert L. Morby
Chief, SPFD/WSTM

THRU: William J. Keffer
Chief, EP&R/ENSV

John C. Wicklund
Director, ENSV

David A. Wagoner
Director, WSTM

Attached for your information is a trip report on the groundwater sampling recently conducted at the above-referenced facility.

If you have any questions or comments, please call me at 236-3888.

Attachments

cc: Charles Hensley, LABO

ecology and environment, inc.

FAIRWAY WEST OFFICE BLDG. 4350 JOHNSON DRIVE, SHAWNEE MISSION, KANSAS 66205, TEL 913-432-9961

International Specialists in the Environment

MEMORANDUM

TO: Paul Doherty, ARPO

THRU: James Buchanan, RM

FROM: Nancy Blackman, E&E/FIT

DATE: October 7, 1985

SUBJECT: Groundwater sampling at the Syntex Verona plant
TDD # R-07-8408-23 MO 0061

INTRODUCTION

The Ecology and Environment Field Investigation Team (E&E/FIT) was tasked under Technical Directive Document (TDD) R-07-8408-23 to provide technical supervision during the implementation of the Syntex Verona Sampling Plan. The final phase of the sampling plan involved the collection of groundwater samples from ten monitoring wells previously installed (see the Syntex Compliance Monitoring Trip Report for details on the well installation). Sampling of the wells will be performed monthly for the first three months and then quarterly for the first year.

PURGING OF THE WELLS

The monitoring wells were purged using the stainless steel Well Wizard pumps previously installed in each well. The initial water level was taken at each well and then three well volumes of water were removed.

WELL #	DATE PURGED	INITIAL WATER LEVEL (from top of casing)	VOLUME REMOVED
1	09-09-85	14.17'	4.0 gallons
2	09-09-85	08.33'	6.0 gallons
3	09-09-85	11.00'	5.0 gallons
4	09-09-85	10.08'	5.0 gallons
5	09-09-85	11.00'	4.5 gallons
6	09-10-85	09.75'	5.5 gallons
7	09-10-85	09.30'	5.5 gallons
8	09-10-85	11.35'	4.5 gallons
9	09-10-85	11.10'	4.5 gallons
10	09-10-85	09.25'	5.5 gallons

The air supply teflon tube on the Well Wizard pumps located in wells 1,5,8, and 9 had a discoloration on the outside of the tube. The material was located only on the air supply tube near the top of the pump (located at the bottom of the well). The wells had the following [illegible]

recycled paper

WELL #	DESCRIPTION
1	Brown color along the bottom foot of the tubing
5	Red brown color along the bottom foot of the tubing
8	Dark green color along the bottom two feet of the tubing
9	Red color along the bottom foot of the tubing

SAMPLING OF THE MONITORING WELLS

The monitoring wells were sampled by Rowley Tedlock-Terracon Consultants with the assistance of Steve Hennigh, Troy Durbin and Ron Davis of Durbin Contracting. The samples were collected using the Well Wizard pumps powered by an oilless compressor. The pumps pull approximately one pint of water at a time. The water was collected in a composite jar and then evenly divided between the sample containers.

Syntex collected samples to be analyzed for TCDD. They will collect the priority pollutant composites during next months sampling. EPA splits were collected from wells 1,5,6,7 and 8. The EPA splits will be analyzed for TCDD, B/N, A, P and Other Organics (Trichlorophenol, Tetrachlorobenzene, and Hexachlorophenol). A summary of the samples collected is listed below:

WELL #	SYNTEX SAMPLE NUMBER	DATE COLLECTED	CONTAINERS	ANALYSIS
1	01-09-09-85	09-09-85	2-Quart Jars	TCDD
2	02-09-09-85	09-09-85	2-Quart Jars	TCDD
3	03-09-09-85	09-09-85	2-Quart Jars	TCDD
4	04-09-09-85	09-09-85	2-Quart Jars	TCDD
5	05-09-09-85	09-09-85	2-Quart Jars	TCDD
6	06-09-10-85	09-10-85	2-Quart Jars	TCDD
7	07-09-10-85	09-10-85	2-Quart Jars	TCDD
8	08-09-10-85	09-10-85	2-Quart Jars	TCDD
9	09-09-10-85	09-10-85	2-Quart Jars	TCDD
10	10-09-10-85	09-10-85	2-Quart Jars	TCDD

WELL #	EPA SAMPLE NUMBER	DATE COLLECTED	CONTAINERS	ANALYSIS
1	AK651046	09-09-85	3-80oz Jugs	B/N, A, P, Other Organics
	AK651046M	09-09-85	4-80oz Jugs	TCDD
	AK651046C	09-09-85	5-80oz Jugs	TCDD
5	AK651047	09-09-85	3-80oz Jugs	B/N, A, P Other Organics
	AK651047M	09-09-85	4-80oz Jugs	TCDD
	AK651047C	09-09-85	5-80oz Jugs	TCDD
6	AK651048	09-10-85	3-80oz Jugs	B/N, A, P Other Organics
	AK651048M	09-10-85	4-80oz Jugs	TCDD
	AK651048C	09-10-85	5-80oz Jugs	TCDD
7	AK651049	09-10-85	3-80oz Jugs	B/N, A, P Other Organics
	AK651049M	09-10-85	4-80oz Jugs	TCDD
	AK651049C	09-10-85	5-80oz Jugs	TCDD
8	AK651050	09-10-85	3-80oz Jugs	B/N, A, P Other Organics
	AK651050M	09-10-85	4-80oz Jugs	TCDD
	AK651050C	09-10-85	5-80oz Jugs	TCDD
FIELD BLANK	AK651051F	09-09-85	2-80oz Jugs	B/N, A, P
	AK651051M	09-09-85	4-80oz Jugs	TCDD
	AK651051C	09-09-85	5-80oz Jugs	TCDD

The EPA split samples were sent to three laboratories:

EPA Region VII - AK651046 - AK651051F
EPA Research Lab, Duluth, MN - AK651046M - AK650151M
Missouri Dept. Conservation - AK651046C - AK651051C

The field blanks were collected by placing distilled deionized water in a clean plastic bucket and then pumping the water through a Well Wizard pump that had been decontaminated.

SAMPLE SHIPMENT

The Syntex samples were packaged and sent to the Syntex laboratory in Palo Alto, California.

The EPA split samples were packed in coolers with ice for delivery to

the following laboratories:

EPA Research Laboratory 6201 Congdon Blvd. Duluth, MN 55804 Attn: Douglas Kuehl	- Federal Express 9-11-85 (air bill # 769993195)
Missouri Dept. Conservation 1110 College Avenue Columbia, MO 65201 Attn: Ron Crunkilton	- Federal Express 9-11-85 (air bill # 322901784)
EPA Region VII 25 Funston Rd. Kansas City, KS 66115 Attn: Joyce Woods	- Courier 9-12-85 (Nancy Blackman)

DECONTAMINATION METHODS

The samplers gloves and the exterior of the sample containers were cleaned using an isopropyl alcohol rinse.

The Well Wizard used to collect the field blank was taken from well number 1 and was decontaminated using soap and water. Clean distilled deionized water was pumped through the system before collecting the blanks. No isopropyl alcohol was used on the pump to prevent the introduction of this solvent into the samples.

LEVELS OF PROTECTION

The samplers and decontamination personnel were dressed in level-C protection. This level consisted of the following safety equipment:

- disposable Tyvek coveralls
- cotton glove liners
- nitrile outer gloves taped to coveralls
- neoprene steel toe and shank boots
- half-face air purifying respirator with high efficiency filter
- hard hat with face shield
- white coveralls, underclothing and socks

RESOURCES EXPENDED

A total of 38 hours were required to collect the split samples from the Syntex Verona Plant and deliver them to the appropriate laboratories. This brings the total hours expended on the Syntex compliance monitoring TDD to 1395.

NB/ct

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

CALC SOPD
11/12/85

DATE 11-12-85

SUBJECT Transmittal of Laboratory Data

FROM Charles P. Hensley CPH
Chief, Laboratory Branch, ENSV

TO Keffer

Analyses have been completed for the following activities and the data results are attached.

Activity No.	Description
AK651	Syntex
	(partial transmittal)

Attachments

cc: Data Files

EPA Form 1320-6 (2-70) (2-78)

DATA QUALIFIERS FOR EPA REGION VII

U not detected. For EPA VII lab data U is applied only in conjunction with detection limits. For contract lab data it is applied to contract required limits.

M The value indicated is below the quantitation limit but above the detection limit.

J The associated value is an estimated quantity because quality control criteria were not met.

I Analysis attempted but no result can be reported.

FIELD SHEET
U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII
ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

Site Name: SYNTEX FACILITY — Site Number: 51
Location: VERONA, MO — Site Code: SYN

Collected: YR: 85 MO: 06 Day: 13 Time: 0900 Leader: G. KEPKO

Sample Number: AK651034 SMO #:

Sample Media (circle one):
(SOIL) DUST, RINSATE, SEDIMENT, WATER, OTHER:_____

Sample Split (circle one): YES (NO)

Sample Container	Tag Color	Preservative	Analysis Requested
8OZ JAR	BLUE		DIOXIN
~~VOA SET~~ 8oz Jar	~~LIME~~ orange	ICE	~~VOLATILES~~ other organic
~~16OZ JAR~~ 8oz Jar	PURPLE	ICE	BNA/P

Depth: 15-21' Pan #:_____ Aliquots: 3

Samplers: Terracon

COMMENTS OF FIELD PERSONNEL

Site Description: Angle bearing w/ tanks located 10 ft N and 15 ft 3 in. East of T-12.
Red clay and rock

IBM-PC

FIELD SHEET
U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII
ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

Site Name: SYNTEX FACILITY — Site Number: 51
Location: VERONA, MO — Site Code: SYN

Collected: YR: 85 MO: 06 Day: 17 Time: 0830 Leader: G. KEPKO

Sample Number: AK651035 SMO #:

Sample Media (circle one):
SOIL, DUST, RINSATE, SEDIMENT, WATER, OTHER:_____

Sample Split (circle one): YES NO

Sample Container	Tag Color	Preservative	Analysis Requested
8OZ JAR	BLUE		DIOXIN
~~VOA SET~~ 8oz Jar	~~LIME~~ orange	ICE	~~VOLATILES~~ other organics
~~VOA JAR~~ 8oz Jar	PURPLE	ICE	BNA/P

Depth: 180-252" Pan #:_____ Aliquots: 3

Samplers: Terracon

COMMENTS OF FIELD PERSONNEL

Site Description: Sample from the southern angle boring from TP12 in the trench area. Syntex sample # 12.1000

IBM-PC

FIELD SHEET
U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII
ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

Site Name: SYNTEX FACILITY — Site Number: 51
Location: VERONA, MO — Site Code: SYN

Collected: YR: 85 MO: 6 Day: 19 Time: 1425 Leader: G. KEPKO

Sample Number: AK651036 SMO #:

Sample Media (circle one):
(SOIL) DUST, RINSATE, SEDIMENT, WATER, OTHER:_____

Sample Split (circle one): YES (NO)

Sample Container	Tag Color	Preservative	Analysis Requested
8OZ JAR	BLUE		DIOXIN
~~VOA JAR~~ 8oz Jar	~~LIME~~ orange	ICE	~~VOA~~ other organic
~~16OZ JAR~~ 8oz Jar	PURPLE	ICE	BNA/P

Depth: 23'-29' Pan #:_____ Aliquots: 3

Samplers: Terracon

COMMENTS OF FIELD PERSONNEL

Site Description: Sample from angle boring 9/000
Red clay and rock some odor from hole

IBM-PC

FIELD SHEET
U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII
ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

Site Name: SYNTEX FACILITY — Site Number: 51
Location: VERONA, MO — Site Code: SYN

Collected: YR: 85 MO: 6 Day: 24 Time: 1130 Leader: G. KEPKO

Sample Number: AK651037 SMO #:

Sample Media (circle one):
SOIL, DUST, RINSATE, SEDIMENT, WATER, OTHER:_____

Sample Split (circle one): YES NO

Sample Container	Tag Color	Preservative	Analysis Requested
8OZ JAR	BLUE		DIOXIN
~~VOA VIAL~~ 8 oz jar	~~LILAC~~ Orange	~~ICE~~	~~VOLATILES~~ Other Organics
~~16OZ JAR~~ 8 oz jar	PURPLE	~~ICE~~	BNA/P

Depth: 23'9"-30'2" #:_____ Aliquots: 3

Samplers: Terrazon

COMMENTS OF FIELD PERSONNEL

Site Description:
Composite sample from auger boring @ 2000 Red silty clay w/gravel

IBM-PC

FIELD SHEET
U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII
ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

Site Name: SYNTEX FACILITY — Site Number: 51
Location: VERONA, MO — Site Code: SYN

Collected: YR: 85 MO: 06 Day: 28 Time: 1200 Leader: G. KEPKO

Sample Number: AK651038 — SMO #:

Sample Media (circle one):
SOIL, DUST, RINSATE, SEDIMENT, WATER, OTHER:_____

Sample Split (circle one): YES NO

Sample Container	Tag Color	Preservative	Analysis Requested
8OZ JAR	BLUE		DIOXIN
~~VOA SET~~ 8 oz Jar	~~LIME~~ Orange	~~ICE~~	~~VOLATILES~~ Other Organics
~~16OZ JAR~~ 8 oz Jar	PURPLE	~~ICE~~	BNA/P

Depth: 19'-22'6" Pan #:_____ Aliquots: 5

Samplers: Terracon

COMMENTS OF FIELD PERSONNEL

Site Description:

Composite soil sample from [illegible] clay w/ gravel and chert

IBM-PC

FIELD SHEET
U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII
ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

Site Name: SYNTEX FACILITY — Site Number: 51
Location: VERONA, MO — Site Code: SYN

Collected: YR: 85 MO: 07 Day: 03 Time: 1350 Leader: G. KEPKO

Sample Number: AK651039 SMD #:

Sample Media (circle one):
SOIL DUST, RINSATE, SEDIMENT, WATER, OTHER:_____

Sample Split (circle one): YES NO

Sample Container	Tap Color	Preservative	Analysis Requested
8OZ JAR	BLUE		DIOXIN
~~VOA SET~~ 8oz Jar	~~LIME~~ orange	ICE	~~VOLATILES~~ other Organic
~~ABN JAR~~ 8oz Jar	PURPLE	ICE	BNA/P

Depth: 23'6"-29'6" Pan #:_____ Aliquots:_____

Samplers: Terracon

COMMENTS OF FIELD PERSONNEL

Site Description: Composite from 17/200

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FIELD SHEET
U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII
ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

Site Name: SYNTEX FACILITY — Site Number: 51
Location: VERONA, MO — Site Code: SYN

Collected: YR: 85 MO: 7 Day: 12 Time: 0930 Leader: G. KEPKO

Sample Number: AK651040 SMO #:

Sample Media (circle one):
SOIL, DUST, RINSATE, SEDIMENT, WATER, OTHER:_____

Sample Split (circle one): YES NO

Sample Container	Tag Color	Preservative	Analysis Requested
8OZ JAR	BLUE		DIOXIN
~~VOC SET~~ 8oz. jar	~~LIME~~ orange	ICE	~~VOLATILES~~ Other organics
8oz. ~~VOC~~ JAR	PURPLE	ICE	BNA/P

Depth: 27'6"-29'6" Pan #:_____ Aliquots: 3

Samplers: Terracon

COMMENTS OF FIELD PERSONNEL

Site Description: Composite from 19.2000

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FIELD SHEET
U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII
ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

Site Name: SYNTEX FACILITY — Site Number: 51
Location: VERONA, MO — Site Code: SYN

Collected: YR: 85 MO: 07 Day: 29 Time: 1100 Leader: G. KEPKO

Sample Number: AK651041 SMO #:

Sample Media (circle one):
(SOIL) DUST, RINSATE, SEDIMENT, WATER, OTHER:_____

Sample Split (circle one): YES (NO)

Sample Container	Tag Color	Preservative	Analysis Requested
8OZ JAR	BLUE		TCDD
8OZ JAR	ORANGE		OTHER ORGANICS
8OZ JAR	PURPLE		BNA/P

Depth: 19-35' Pan #:_____ Aliquots: 8

Samplers: Terracon

COMMENTS OF FIELD PERSONNEL

Site Description: Composite sample from angle boring 5.2.

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FIELD SHEET
U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII
ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

Site Name: SYNTEX FACILITY — Site Number: 51
Location: VERONA, MO — Site Code: SYN

Collected: YR: 85 MO: 08 Day: 2 Time: 0815 Leader: G. KEPKO

Sample Number: AK651042 SMO #:

Sample Media (circle one):
(SOIL) DUST, RINSATE, SEDIMENT, WATER, OTHER: _____

Sample Split (circle one): YES (NO)

Sample Container	Tag Color	Preservative	Analysis Requested
8OZ JAR	BLUE		TCDD
8OZ JAR	ORANGE		OTHER ORGANICS
8OZ JAR	PURPLE		BNA/P

Depth: 45-56' Pan #: _____ Aliquots: 20

Samplers: Troy Durbin

COMMENTS OF FIELD PERSONNEL

Site Description: Composite of drill cuttings from bedrock coring location BR 3. Sample was taken because TLV meter registered [illegible] ppm [illegible] equivalent at a depth of 50 feet

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ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

Site Name: SYNTEX FACILITY Site Number: 51
Location: VERONA, MO Site Code: SYN

Collected: YR: 85 MO: 08 Day: 06 Time: 0955 Leader: G. KEPKO

Sample Number: AK651043 SMO #:

Sample Media (circle one):
(SOIL) DUST, RINSATE, SEDIMENT, WATER, OTHER:_____

Sample Split (circle one): YES (NO)

Sample Container	Tag Color	Preservative	Analysis Requested
8OZ JAR	BLUE		TCDD
8OZ JAR	PURPLE		BNA/P
8OZ JAR	ORANGE		OTHER ORGANICS

Depth: 0-24" Pan #:_____ Aliquots: 2

Samplers: Terrasen

COMMENTS OF FIELD PERSONNEL

Site Description: Trench Area Shallow boring composite of 0-24"

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ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

Site Name: SYNTEX FACILITY — Site Number: 51
Location: VERONA, MO — Site Code: SYN

Collected: YR: 85 MO: 08 Day: 06 Time: 1000 Leader: G. KEPKO

Sample Number: AK651044 — SMO #:

Sample Media (circle one):
(SOIL) DUST, RINSATE, SEDIMENT, WATER, OTHER:_____

Sample Split (circle one): YES (NO)

Sample Container	Tag Color	Preservative	Analysis Requested
8OZ JAR	BLUE		TCDD
8OZ JAR	PURPLE		BNA/P
8OZ JAR	ORANGE		OTHER ORGANICS

Depth: 24-60" Pan #:_____ Aliquots: 3

Samplers: [illegible]

COMMENTS OF FIELD PERSONNEL

Site Description: Trench Area Shallow boring composite of [illegible]

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Site Name: SYNTEX FACILITY — Site Number: 51
Location: VERONA. MO — Site Code: SYN

Collected: YR: 85 MO: 08 Day: 13 Time: 1430 Leader: G. KEPKO

Sample Number: AK651045 — SMO #:

Sample Media (circle one):
SOIL, DUST, RINSATE, SEDIMENT, WATER, OTHER:_____

Sample Split (circle one): YES NO

Sample Container	Tag Color	Preservative	Analysis Requested
1-~~8oz JUG~~ Quart Jar	BLUE	ICE	TCDD
1-~~8oz JUG~~ Quart Jar	ORANGE	ICE	OTHER ORGANICS
1-~~8oz JUG~~ Quart Jar	PURPLE	ICE	BNA/P

Depth: 13-15' Pan #:_____ Aliquots: 1

Samplers: Steve Hennigh

COMMENTS OF FIELD PERSONNEL

Site Description: auger cuttings from monitoring well #7
depth 13-15'

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ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

Site Name: SYNTEX FACILITY — Site Number: 51
Location: VERONA, MO — Site Code: SYN

Collected: YR: 85 MO: 09 Day: 09 Time: 1550 Leader: G. KEPKO

Sample Number: AK651046 SMO #:

Sample Media (circle one):
SOIL, DUST, RINSATE, SEDIMENT, (WATER) OTHER:_____

Sample Split (circle one): (YES) NO

Sample Container	Tag Color	Preservative	Analysis Requested
1-80oz JUG	ORANGE	ICE	OTHER ORGANICS
2-80oz JUGS	PURPLE	ICE	BNA/P

Depth: 10-13' Pan #:_____ Aliquots: 12

Samplers: Rowley Tedlock - Tarrant
Steve Hennigh - Durbin

COMMENTS OF FIELD PERSONNEL

Site Description: Groundwater Sample from monitoring well #1
Collected using a well wizard pump (stainless Steel and Teflon tubing) using an air compressor

Samples not filtered - do not analyze sediment

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Site Name: SYNTEX FACILITY — Site Number: 51
Location: VERONA. MO — Site Code: SYN

Collected: YR: 85 MO: 09 Day: 09 Time: 1700 Leader: G. KEPKO

Sample Number: AK651047 SMO #:

Sample Media (circle one):
SOIL, DUST, RINSATE, SEDIMENT, (WATER) OTHER: _____

Sample Split (circle one): (YES) NO

Sample Container	Tag Color	Preservative	Analysis Requested
1-80oz JUG	ORANGE	ICE	OTHER ORGANICS
2-80oz JUGS	PURPLE	ICE	BNA/P

Depth: 10-13' Pan #: _____ Aliquots: 12

Samplers: Rowley Tedlock - Jackson
Steve Hennigh - Durbin

COMMENTS OF FIELD PERSONNEL

Site Description: Groundwater sample from monitoring well #5
Collected using a well wizard pump (stainless steel with teflon bladder) and an air lift [illegible]

SAMPLE NOT FILTERED- DO NOT ANALYZE SEDIMENT

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FIELD SHEET
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ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

Site Name: SYNTEX FACILITY — Site Number: 51
Location: VERONA, MO — Site Code: SYN

Collected: YR: 85 MO: 09 Day: 10 Time: 1125 Leader: G. KEPKO

Sample Number: AK651048 — SMO #:

Sample Media (circle one):
SOIL, DUST, RINSATE, SEDIMENT, (WATER) OTHER:_____

Sample Split (circle one): (YES) NO

Sample Container	Tag Color	Preservative	Analysis Requested
1-80oz JUG	ORANGE	ICE	OTHER ORGANICS
2-80oz JUGS	PURPLE	ICE	BNA/P

Depth: 10-13' Fan #:_____ Aliquots: 12

Samplers: Rodney Tedlock - Tedlock
Ron Davis - Durbin

COMMENTS OF FIELD PERSONNEL

Site Description: Groundwater sample from monitoring well #6 collected using a well wizard pump (stainless steel [illegible]) [illegible] compressor.

SAMPLE NOT FILTERED - DO NOT [illegible]

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Site Name: SYNTEX FACILITY — Site Number: 51
Location: VERONA. MO — Site Code: SYN

Collected: YR: 85 MO: 09 Day: 10 Time: 1430 Leader: G. KEPKO

Sample Number: AK651049 SMO #:

Sample Media (circle one):
SOIL, DUST, RINSATE, SEDIMENT, (WATER) OTHER:_____

Sample Split (circle one): (YES) NO

Sample Container	Tag Color	Preservative	Analysis Requested
1-80oz JUG	ORANGE	ICE	OTHER ORGANICS
2-80oz JUGS	PURPLE	ICE	BNA/P

Depth: 10-13' Pan #:_____ Aliquots: 12

Samplers: [illegible]
Ron Davis - Durbin

COMMENTS OF FIELD PERSONNEL

Site Description: Groundwater sample from monitoring well #7 collected using a well wizard pump (stainless steel [illegible]) [illegible] compressor.

SAMPLE [illegible] SEDIMENT

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Site Name: SYNTEX FACILITY — Site Number: 51
Location: VERONA. MO — Site Code: SYN

Collected: YR: 85 MO: 09 Day: 10 Time: 1540 Leader: G. KEPKO

Sample Number: AK651050 SMO #:

Sample Media (circle one):
SOIL, DUST, RINSATE, SEDIMENT, (WATER), OTHER:_____

Sample Split (circle one): (YES) NO

Sample Container	Tag Color	Preservative	Analysis Requested
1-80oz JUG	ORANGE	ICE	OTHER ORGANICS
2-80oz JUGS	PURPLE	ICE	BNA/P

Depth: 10-13' Pan #:_____ Aliquots: 12

Samplers: Rowley, Tedlock - Terracon
Ron Davis - Durbin

COMMENTS OF FIELD PERSONNEL

Site Description: Groundwater sample from monitoring well #8 collected using a well wizard pump (stainless [illegible] compressor.

[illegible] DO NOT ANALYZE SEDIMENT

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Site Name: SYNTEX FACILITY — Site Number: E1
Location: VERONA. MO — Site Code: SYN

Collected: YR: 85 MO: 09 Day: 09 Time: 1800 Leader: G. KEPKO

Sample Number: AK651051F — SMO #:

Sample Media (circle one):
SOIL, DUST, RINSATE, SEDIMENT, (WATER) OTHER:_____

Sample Split (circle one): YES (NO)

Sample Container	Tag Color	Preservative	Analysis Requested
2-80oz JUGS	PURPLE	ICE	BNA/P

Depth:_____ Pan #:_____ Aliquots:_____

Samplers: Rowley Tedlock - Terracon
Steve Hennigh - Durbin

COMMENTS OF FIELD PERSONNEL

Site Description: Field Blank
Collected by placing distilled deionized water in a plastic bucket and then pumping [illegible] is used in MW1.

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DATE 10/28/85
DATABASE: SYN
REPORT FOR SITE: SYNTEX PROPERTY

STIC	EPA NO	VALUE	R	V	SMPLED	DESCRIPTION
SYN	AK651001	.100		V	05/[illegible]/85	SOIL SAMPLE LOCATION 105, 0-12" DEPTH, 4 ALIQUOTS
SYN	AK651001L	.100		V	05/[illegible]/85	SOIL SAMPLE LOCATION 105, 0-12" DEPTH, 4 ALIQUOTS
SYN	AK651002	.100		V	05/[illegible]/85	SOIL SAMPLE COMPOSITE OF 166.1, 166.2, 166.3, 166.4, 0-12" DEPTH
SYN	AK651003	.140		V	05/[illegible]/85	SOIL FROM 61'9" E LOC 186.1, 38' W OF LOC 186.2, 87'6" NW OF LOC 186.3, 0-12" DEPTH
SYN	AK651004	.100		V	05/[illegible]/85	SOIL SAMPLE LOCATION 245, 0-12" DEPTH, 4 ALIQUOTS
SYN	AK651005	.100		V	05/[illegible]/85	SOIL SAMPLE LOCATION 244, 0-12" DEPTH
SYN	AK651006	1.500		V	05/[illegible]/85	SEDIMENT SMPL, LOC 4600.6009, 0-9" DEPTH, 1 ALIQUOTS
SYN	AK651006L	1.800		V	05/07/85	SEDIMENT SMPL, LOC 4600.6009, 0-9" DEPTH, 1 ALIQUOTS
SYN	AK651007	1.200		V	05/[illegible]/85	SOIL SMPL, LOC 4600.5009, 0-9" DEPTH, 1 ALIQUOTS
SYN	AK651008	.310		V	05/[illegible]/85	SOIL SMPL, LOC 4600.7009, 0-9" DEPTH, 1 ALIQUOT
SYN	AK651009	1.500		V	05/[illegible]/85	SOIL SMPL, COMPOSITE OF 4 PERIMTR SMPL AROUND IRRIGATION AREA 0-12" DEPTH, 4 ALIQUOT
SYN	AK651010	.020		V	05/[illegible]/85	SOIL SMPL, COMPOSITE OF 8 PERIMTR BORINGS AROUND BURN AREA 36-54" DEPTH, 8 ALIQUOTS
SYN	AK651011	.080		V	05/[illegible]/85	SOIL SMPL, LAGOON AREA, TRENCH, SYNTEX #214.2409, 3-4 1/2" DEPTH, 1 ALIQUOT
SYN	AK651011L	.400		V	05/[illegible]/85	SOIL SMPL, LAGOON AREA, TRENCH, SYNTEX #214.2409, 3-4 1/2" DEPTH, 1 ALIQUOT
SYN	AK651012	.040		V	05/21/85	SOIL SMPL, LAGOON TRENCH LOC 214.2007, 36-54" DEPTH, 1 ALIQUOT
SYN	AK651013	1.800		V	05/[illegible]/85	SOIL SMPL, COMP OF 214.1309, 224.4307, 214.2303, ETC 36-54" DEPTH, 8 ALIQUOTS
SYN	AK651014	.750		V	05/[illegible]/85	SOIL SMPL, COMP. OF 214.1409, 224.4407, 214.2403, ETC 54-72" DEPTH, 8 ALIQUOTS
SYN	AK651015	[illegible].000		V	05/[illegible]/85	SOIL SMPL, RED/PRPL COLORED ASH LIKE SUBSTANCES LOC 214.2101 0-18" DEPTH, 1 ALIQUOT
SYN	AK651015L	[illegible].000		V	05/[illegible]/85	SOIL SMPL, RED/PRPL COLORED ASH LIKE SUBSTANCES LOC 214.2101 0-18" DEPTH, 1 ALIQUOT
SYN	AK651016	4.000		V	05/[illegible]/85	SOIL SMPL, COMP. OF 214.1307, 214.1308, 214.2301, ETC, 36-54" DEPTH , 8 ALIQUOTS
SYN	AK651017	2.200		V	05/[illegible]/85	SOIL SMPL, COMP. OF 214.1407, 214.1408, 214.2401, ETC, 54-72" DEPTH, 8 ALIQUOTS
SYN	AK651018	.420		V	05/[illegible]/85	SOIL SMPL, COMP. OF 214.1301, 214.1302, 214.1303, ETC, 36-54" DEPTH, 8 ALIQUOTS
SYN	AK651019	.170		V	05/[illegible]/85	SOIL SMPL, COMP. OF 214.1401, 214.1402, 214.1403, ETC, 54-72" DEPTH, 8 ALIQUOTS
SYN	AK651020	.100		V	06/[illegible]/85	SOIL SMPL, COMP OF 224.4302, 224.4303 ETC, 36-54" DEPTH, 8 ALIQUOTS
SYN	AK651020L	.100		V	06/[illegible]/85	SOIL SMPL, COMP OF 224.4302, 224.4303 ETC, 36-54" DEPTH, 8 ALIQUOTS
SYN	AK651021	.100		V	06/[illegible]/85	SOIL SMPL, COMP OF 224.4402, 224.4403 ETC, 54-72" DEPTH, 8 ALIQUOTS
SYN	AK651022	.400		V	06/[illegible]/85	SOIL SMPL, COMP OF 224.3005, 224.3006 ETC, 36-54" DEPTH, 8 ALIQUOTS
SYN	AK651023	.100		V	06/[illegible]/85	SOIL SMPL, COMP OF 224.3005, 224.3006 ETC, 54-72" DEPTH, 8 ALIQUOTS
SYN	AK651024	.100		V	06/[illegible]/85	SOIL SMPL, LOC 223.4303, 36-54" DEPTH, 1 ALIQUOT
SYN	AK651025	.100		V	06/[illegible]/85	SOIL SMPL, LOC 223.4403, 54-72" DEPTH, 1 ALIQUOT
SYN	AK651026	.100		V	06/[illegible]/85	SOIL SMPL, LOC 223.1101, 0-18" DEPTH, 1 ALIQUOT
SYN	AK651027	.100		V	06/[illegible]/85	SOIL SMPL, LOC 223.1201, 18-36" DEPTH, 1 ALIQUOT
SYN	AK651028	.100		V	06/[illegible]/85	SOIL SMPL, LOC 223.1301, 36-54" DEPTH, 1 ALIQUOT
SYN	AK651029	.100		V	06/[illegible]/85	SOIL SMPL, LOC 223.1401, 54-72" DEPTH, 1 ALIQUOT
SYN	AK651030	.100		V	06/[illegible]/85	SOIL SMPL, LOC 233.4301, 36-54" DEPTH, 1 ALIQUOT
SYN	AK651031	.100		V	06/[illegible]/85	SOIL SMPL, LOC 233.4401, 54-72" DEPTH, 1 ALIQUOT
SYN	AK651032	.100		V	06/[illegible]/85	SOIL SMPL, LOC 234.3301, 36-54" DEPTH, 1 ALIQUOT
SYN	AK651033	.100		V	06/[illegible]/85	SOIL SMPL, LOC 234.3401, 54-72" DEPTH, 1 ALIQUOT
SYN	AK651034	.100		V	06/[illegible]/85	SOIL SMPL, LOC 10 FT N & 15 FT E OF T-12, DEPTH 15-21' ALIQUOTS 3
SYN	AK651034L	.100		V	06/[illegible]/85	SOIL SMPL, LOC 10 FT N & 15 FT E OF T-12, DEPTH 15-21' ALIQUOTS 3
SYN	AK651035	.100		V	06/[illegible]/85	SOIL SMPL, T-12 TRENCH AREA, DEPTH 180-252" ALIQUOTS 3
SYN	AK651036	.100		V	06/[illegible]/85	SOIL SMPL, ANGLE 9.100 ODOR FROM HOLE, DEPH 23-29' ALIQUOTS 3
SYN	AK651037	.100		V	06/[illegible]/85	SOIL SMPL, RED CLAY W/GRAVEL, ANGLE 9.2000, DEPTH 23-9'30-2' ALIQUOTS 3
SYN	AK651038	.100		V	06/[illegible]/85	SOIL SMPL, ANGLE 5.1000 DEPTH 19'-29'-6' ALIQUOTS 5
SYN	AK651039	.100		V	07/[illegible]/85	SOIL SMPL, COMPOSITE FROM 19.1000, DEPTH 23'6"-29'6"
SYN	AK651040	.100		V	07/[illegible]/85	SOIL SMPL, COMPOSITE FROM 19.2000, DEPTH 27'6"-29'6" ALIQUOT 3
SYN	AK651041	.100		V	07/[illegible]/85	SOIL SMPL, ANGLE BORING 5,2, DEPTH 19-35" ALIQUOTS 8
SYN	AK651042	.100		V	08/03/85	SOIL SMPL, LOC BR 3 DEPTH 45-56' ALIQUOTS 20
SYN	AK651043	.220	U	V	08/01/85	SOIL SMPL, TRENCH AREA SHALLOW, DEPTH 0-24" ALIQUOTS 2
SYN	AK651044	.100	U	V	08/01/85	SOIL SMPL, TRENCH AREA SHALLOW, DEPH 24-60" ALIQUOTS 3

VALIDATED DIOXIN DATA FOR SYNTEX PROPERTY

DATE 10/28/85

[illegible]	EPA NO		AMOUNT		SAMPLED	DESCRIPTION
SYN	AK651001	LESS THAN	1.000	PPB	04/10/85	SOIL SAMPLE LOCATION 105, 0-12' DEPTH, 4 ALIQUOTS
SYN	AK651002	LESS THAN	1.000	PPB	04/16/85	SOIL SAMPLE COMPOSITE OF 166.1, 166.2, 166.3, 166.4, 0-12" DEPTH
SYN	AK651003	LESS THAN	1.000	PPB	04/18/85	SOIL FROM 41'9" E LOC 186.1, 38' W OF LOC 186.2, 87'6" NW OF LOC 186.3, 0-12" DEPTH
SYN	AK651004	LESS THAN	1.000	PPB	04/26/85	SOIL SAMPLE LOCATION 245, 0-12" DEPTH, 4 ALIQUOTS
SYN	AK651005	LESS THAN	1.000	PPB	04/25/85	SOIL SAMPLE LOCATION 244, 0-12" DEPTH
SYN	AK651006		6.500	PPB	05/07/85	SEDIMENT SMPL, LOC 4600.6009, 0-9" DEPTH, 1 ALIQUOTS
SYN	AK651007		10.200	PPB	05/07/85	SOIL SMPL, LOC 4600.5009, 0-9" DEPTH, 1 ALIQUOTS
SYN	AK651008	LESS THAN	1.000	PPB	05/07/85	SOIL SMPL, LOC 4600.7009, 0-9" DEPTH, 1 ALIQUOT
SYN	AK651009		1.500	PPB	05/10/85	SOIL SMPL, COMPOSITE OF 4 PERIMTR SMPL AROUND IRRIGATION AREA 0-12" DEPTH, 4 ALIQUOT
SYN	AK651010	LESS THAN	1.000	PPB	05/15/85	SOIL SMPL, COMPOSITE OF 8 PERIMTR BORINGS AROUND BURN AREA 36-54" DEPTH, 8 ALIQUOTS
SYN	AK651011	LESS THAN	1.000	PPB	05/20/85	SOIL SMPL, LAGOON AREA, TRENCH, SYNTEX #214.2409, 3-4 1/2" DEPTH, 1 ALIQUOT
SYN	AK651012	LESS THAN	1.000	PPB	05/21/85	SOIL SMPL, LAGOON TRENCH LOC 214.2007, 36-54" DEPTH, 1 ALIQUOT
SYN	AK651013		1.800	PPB	05/24/85	SOIL SMPL, COMP OF 214.1309, 224.4307, 214.2303, ETC 36-54" DEPTH, 8 ALIQUOTS
SYN	AK651014	LESS THAN	1.000	PPB	05/24/85	SOIL SMPL, COMP. OF 214.1409, 224.4407, 214.2403, ETC 54-72" DEPTH, 8 ALIQUOTS
SYN	AK651015		79.000	PPB	05/24/85	SOIL SMPL, RED/PRPL COLORED ASH LIKE SUBSTANCES LOC 214.2101 0-18" DEPTH, 1 ALIQUOT
SYN	AK651016		4.000	PPB	05/24/85	SOIL SMPL, COMP. OF 214.1307, 214.1308, 214.2301, ETC, 36-54" DEPTH , 8 ALIQUOTS
SYN	AK651017		2.200	PPB	05/24/85	SOIL SMPL, COMP. OF 214.1407, 214.1408, 214.2401, ETC, 54-72" DEPTH, 8 ALIQUOTS
SYN	AK651018	LESS THAN	1.000	PPB	05/29/85	SOIL SMPL, COMP. OF 214.1301, 214.1302, 214.1303, ETC, 36-54" DEPTH, 8 ALIQUOTS
SYN	AK651019	LESS THAN	1.000	PPB	05/29/85	SOIL SMPL, COMP. OF 214.1401, 214.1402, 214.1403, ETC, 54-72" DEPTH, 8 ALIQUOTS
SYN	AK651020	LESS THAN	1.000	PPB	06/05/85	SOIL SMPL, COMP OF 224.4302, 224.4303 ETC, 36-54" DEPTH, 8 ALIQUOTS
SYN	AK651021	LESS THAN	1.000	PPB	05/31/85	SOIL SMPL, COMP OF 224.4402, 224.4403 ETC, 54-72" DEPTH, 8 ALIQUOTS
SYN	AK651022	LESS THAN	1.000	PPB	06/04/85	SOIL SMPL, COMP OF 224.3005, 224.3006 ETC, 36-54" DEPTH, 8 ALIQUOTS
SYN	AK651023	LESS THAN	1.000	PPB	06/04/85	SOIL SMPL, COMP OF 224.3005, 224.3006 ETC, 54-72" DEPTH, 8 ALIQUOTS
SYN	AK651024	LESS THAN	1.000	PPB	06/05/85	SOIL SMPL, LOC 223.4303, 36-54" DEPTH, 1 ALIQUOT
SYN	AK651025	LESS THAN	1.000	PPB	06/05/85	SOIL SMPL, LOC 223.4403, 54-72" DEPTH, 1 ALIQUOT
SYN	AK651026	LESS THAN	1.000	PPB	06/05/85	SOIL SMPL, LOC 223.1101, 0-18" DEPTH, 1 ALIQUOT
SYN	AK651027	LESS THAN	1.000	PPB	06/05/85	SOIL SMPL, LOC 223.1201, 18-36" DEPTH, 1 ALIQUOT
SYN	AK651028	LESS THAN	1.000	PPB	06/05/85	SOIL SMPL, LOC 223.1301, 36-54" DEPTH, 1 ALIQUOT
SYN	AK651029	LESS THAN	1.000	PPB	06/05/85	SOIL SMPL, LOC 223.1401, 54-72" DEPTH, 1 ALIQUOT
SYN	AK651030	LESS THAN	1.000	PPB	06/06/85	SOIL SMPL, LOC 233.4301, 36-54" DEPTH, 1 ALIQUOT
SYN	AK651031	LESS THAN	1.000	PPB	06/06/85	SOIL SMPL, LOC 233.4401, 54-72" DEPTH, 1 ALIQUOT
SYN	AK651032	LESS THAN	1.000	PPB	06/06/85	SOIL SMPL, LOC 234.3301, 36-54" DEPTH, 1 ALIQUOT
SYN	AK651033	LESS THAN	1.000	PPB	06/06/85	SOIL SMPL, LOC 234.3401, 54-72" DEPTH, 1 ALIQUOT
SYN	AK651034	LESS THAN	1.000	PPB	06/13/85	SOIL SMPL, LOC 10 FT N & 15 FT E OF T-12, DEPTH 15-21' ALIQUOTS 3
SYN	AK651035	LESS THAN	1.000	PPB	06/17/85	SOIL SMPL, T-12 TRENCH AREA, DEPTH 180-252" ALIQUOTS 3
SYN	AK651036	LESS THAN	1.000	PPB	06/19/85	SOIL SMPL, ANGLE 9.100 ODOR FROM HOLE, DEPH 23-29' ALIQUOTS 3
SYN	AK651037	LESS THAN	1.000	PPB	06/24/85	SOIL SMPL, RED CLAY W/GRAVEL, ANGLE 9.2000, DEPTH 23-9'30-2' ALIQUOTS 3
SYN	AK651038	LESS THAN	1.000	PPB	06/28/85	SOIL SMPL, ANGLE 5.1000 DEPTH 19'-29'-6' ALIQUOTS 5
SYN	AK651039	LESS THAN	1.000	PPB	07/03/85	SOIL SMPL, COMPOSITE FROM 19.1000, DEPTH 23'6"-29'6"
SYN	AK651040	LESS THAN	1.000	PPB	07/12/85	SOIL SMPL, COMPOSITE FROM 19.2000, DEPTH 27'6"-29'6" ALIQUOT 3
SYN	AK651041	LESS THAN	1.000	PPB	07/29/85	SOIL SMPL, ANGLE BORING 5.2, DEPTH 19-35" ALIQUOTS 8
SYN	AK651042	LESS THAN	1.000	PPB	08/02/85	SOIL SMPL, LOC BR 3 DEPTH 45-56' ALIQUOTS 20
SYN	AK651043	LESS THAN	1.000	PPB	08/06/85	SOIL SMPL, TRENCH AREA SHALLOW, DEPTH 0-24" ALIQUOTS 2
SYN	AK651044	LESS THAN	1.000	PPB	08/06/85	SOIL SMPL, TRENCH AREA SHALLOW, DEPH 24-60" ALIQUOTS 3

ANALYSIS TYPE: SEMIVOLATILES (PAGE 1)

TITLE: SYNTEX
LAB: WCT
SAMPLE PREP:_____ ANALYST/ENTRY: E67

MATRIX: SEDIMENT
METHOD: 9541M00
REVIEWER: [illegible]

UNITS: UG/KG
CASE: 4823
DATE: 10/31/85

SAMPLE NUMBERS

COMPOUND	AK651034		AK651035		AK651036		AK651037	
N-NITROSODIMETHYLAMINE	200	U	200	U	200	U	200	U
PHENOL	200	U	200	U	200	U	200	U
ANILINE	200	U	200	U	200	U	200	U
BIS(2-CHLOROETHYL) ETHER	200	U	200	U	200	U	200	U
2-CHLOROPHENOL	200	U	200	U	200	U	200	U
1,3 DICHLOROBENZENE	200	U	200	U	200	U	200	U
1,4 DICHLOROBENZENE	200	U	200	U	200	U	200	U
BENZYL ALCOHOL	200	U	200	U	200	U	200	U
1,2 DICHLOROBENZENE	200	U	200	U	200	U	200	U
2-METHYLPHENOL	200	U	200	U	200	U	200	U
BIS(2-CHLOROISOPROPYL)ETHER	200	U	200	U	200	U	200	U
4-METHYLPHENOL	200	U	200	U	200	U	200	U
N-NITROSO-DIPROPYLAMINE	200	U	200	U	200	U	200	U
HEXACHLOROETHANE	200	U	200	U	200	U	200	U
NITROBENZENE	200	U	200	U	200	U	200	U
ISOPHORONE	200	U	200	U	200	U	200	U
2-NITROPHENOL	200	U	200	U	200	U	200	U
2,4-DIMETHYLPHENOL	200	U	200	U	200	U	200	U
BENZOIC ACID	960	U	960	U	960	U	960	U
BIS(2-CHLOROETHOXY) METHANE	200	U	200	U	200	U	200	U
2,4 DICHLOROPHENOL	200	U	200	U	200	U	200	U
1,2,4-TRICHLOROBENZENE	200	U	200	U	200	U	200	U
NAPHTHALENE	200	U	200	U	66.0	M	200	U
4-CHLOROANILINE	200	U	200	U	200	U	200	U
HEXACHLOROBUTADIENE	200	U	200	U	200	U	200	U
4-CHLORO-3-METHYLPHENOL	200	U	200	U	200	U	200	U
2-METHYLNAPHTHALENE	200	U	200	U	900		1300.	
HEXACHLOROCYCLOPENTADIENE	200	U	200	U	200	U	200	U
2,4,6-TRICHLOROPHENOL	200	U	200	U	200	U	200	U
2,4,5-TRICHLOROPHENOL	960	U	960	U	960	U	960	U
2-CHLORONAPHTHALENE	200	U	200	U	200	U	200	U
2-NITROANILINE	960	U	960	U	960	U	960	U
DIMETHYLPHTHALATE	200	U	200	U	200	U	200	U
ACENAPHTHYLENE	200	U	200	U	200	U	200	U
3-NITROANILINE	960	U	960	U	960	U	960	U
ACENAPHTHENE	200	U	200	U	200	U	200	U
2,4-DINITROPHENOL	200	U	200	U	200	U	200	U
4-NITROPHENOL	960	U	960	U	960	U	960	U
DIBENZOFURAN	200	U	200	U	200	U	200	U
2,4-DINITROTOLUENE	200	U	200	U	200	U	200	U

ALYSIS TYPE: SEMIVOLATILES PAGE 1)

TITLE: SYNTEX
LAB: WCT
SAMPLE PREP:_____ ANALYST/ENTRY: E67

MATRIX: SEDIMENT
METHOD: 9541M00
REVIEWER: [illegible]

UNITS: UG/KG
CASE: 4828
DATE: 10/01/85

SAMPLE NUMBERS

COMPOUND	AK651038		AK651039		AK651040		AK651041	
N-NITROSODIMETHYLAMINE	200	U	200	U	200	U	200	U
PHENOL	700		200	U	200	U	200	U
ANILINE	200	U	200	U	200	U	200	U
BIS(2-CHLOROETHYL) ETHER	200	U	200	U	200	U	200	U
2-CHLOROPHENOL	200	U	200	U	200	U	200	U
1,3 DICHLOROBENZENE	200	U	200	U	200	U	200	U
1,4 DICHLOROBENZENE	200	U	200	U	200	U	200	U
BENZYL ALCOHOL	200	U	200	U	200	U	200	U
1,2 DICHLOROBENZENE	200	U	200	U	200	U	200	U
2-METHYLPHENOL	200	U	200	U	200	U	200	U
BIS(2-CHLOROISOPROPYL)ETHER	200	U	200	U	200	U	200	U
4-METHYLPHENOL	200	U	200	U	200	U	200	U
N-NITROSO-DIPROPYLAMINE	200	U	200	U	200	U	200	U
HEXACHLOROETHANE	200	U	200	U	200	U	200	U
NITROBENZENE	200	U	200	U	200	U	200	U
ISOPHORONE	200	U	200	U	200	U	200	U
2-NITROPHENOL	200	U	200	U	200	U	200	U
2,4-DIMETHYLPHENOL	200	U	200	U	200	U	200	U
BENZOIC ACID	410	M	960	U	960	U	960	U
BIS(2-CHLOROETHOXY) METHANE	200	U	200	U	200	U	200	U
2,4 DICHLOROPHENOL	200	U	200	U	200	U	200	U
1,2,4-TRICHLOROBENZENE	200	U	200	U	200	U	200	U
NAPHTHALENE	200	U	200	U	200	U	200	U
4-CHLOROANILINE	200	U	200	U	200	U	200	U
HEXACHLOROBUTADIENE	200	U	200	U	200	U	200	U
4-CHLORO-3-METHYLPHENOL	200	U	200	U	200	U	200	U
2-METHYLNAPHTHALENE	200	U	200	U	200	U	200	U
HEXACHLOROCYCLOPENTADIENE	200	U	200	U	200	U	200	U
2,4,6-TRICHLOROPHENOL	200	U	200	U	200	U	200	U
2,4,5-TRICHLOROPHENOL	960	U	960	U	960	U	960	U
2-CHLORONAPHTHALENE	200	U	200	U	200	U	200	U
2-NITROANILINE	960	U	960	U	960	U	960	U
DIMETHYLPHTHALATE	200	U	200	U	200	U	200	U
ACENAPHTHYLENE	200	U	200	U	200	U	200	U
3-NITROANILINE	960	U	960	U	960	U	960	U
ACENAPHTHENE	200	U	200	U	200	U	200	U
2,4-DINITROPHENOL	200	U	200	U	200	U	200	U
4-NITROPHENOL	960	U	960	U	960	U	960	U
DIBENZOFURAN	200	U	200	U	200	U	200	U
2,4-DINITROTOLUENE	200	U	200	U	200	U	200	U

ANALYSIS TYPE: SEMIVOLATILES (PAGE 1)

TITLE: SYNTEX
LAB: WCT
SAMPLE PREP:_____ ANALYST/ENTRY: E67

MATRIX: SEDIMENT
METHOD: 9541M00
REVIEWER: BY/ EL

UNITS: UG/KG
CASE: 4828
DATE: 10/01/85

SAMPLE NUMBERS

COMPOUND	AK651042		AK651043		AK651044	
N-NITROSODIMETHYLAMINE	200	U	200	U	200	U
PHENOL	200	U	200	U	200	U
ANILINE	200	U	200	U	200	U
BIS(2-CHLOROETHYL) ETHER	200	U	200	U	200	U
2-CHLOROPHENOL	200	U	200	U	200	U
1,3 DICHLOROBENZENE	200	U	200	U	200	U
1,4 DICHLOROBENZENE	200	U	200	U	200	U
BENZYL ALCOHOL	200	U	200	U	200	U
1,2 DICHLOROBENZENE	200	U	200	U	200	U
2-METHYLPHENOL	200	U	200	U	200	U
BIS(2-CHLOROISOPROPYL)ETHER	200	U	200	U	200	U
4-METHYLPHENOL	200	U	200	U	200	U
N-NITROSO-DIPROPYLAMINE	200	U	200	U	200	U
HEXACHLOROETHANE	200	U	200	U	200	U
NITROBENZENE	200	U	200	U	200	U
ISOPHORONE	200	U	200	U	200	U
2-NITROPHENOL	200	U	200	U	200	U
2,4-DIMETHYLPHENOL	200	U	200	U	200	U
BENZOIC ACID	960	U	960	U	960	U
BIS(2-CHLOROETHOXY) METHANE	200	U	200	U	200	U
2,4 DICHLOROPHENOL	200	U	200	U	200	U
1,2,4-TRICHLOROBENZENE	200	U	200	U	200	U
NAPHTHALENE	200	U	200	U	200	U
4-CHLOROANILINE	200	U	200	U	200	U
HEXACHLOROBUTADIENE	200	U	200	U	200	U
4-CHLORO-3-METHYLPHENOL	200	U	200	U	200	U
2-METHYLNAPHTHALENE	200	U	200	U	200	U
HEXACHLOROCYCLOPENTADIENE	200	U	200	U	200	U
2,4,6-TRICHLOROPHENOL	200	U	200	U	200	U
2,4,5-TRICHLOROPHENOL	960	U	960	U	960	U
2-CHLORONAPHTHALENE	200	U	200	U	200	U
2-NITROANILINE	960	U	960	U	960	U
DIMETHYLPHTHALATE	200	U	200	U	200	U
ACENAPHTHYLENE	200	U	200	U	200	U
3-NITROANILINE	960	U	960	U	960	U
ACENAPHTHENE	200	U	200	U	200	U
2,4-DINITROPHENOL	200	U	200	U	200	U
4-NITROPHENOL	960	U	960	U	960	U
DIBENZOFURAN	200	U	200	U	200	U
2,4-DINITROTOLUENE	200	U	200	U	200	U

'ALYSIS TYPE: SEMIVOLATILE (PAGE 1)

TITLE: SYNTEX
LAB: ENV
SAMPLE PREP:_____ ANALYST/ENTRY: E42

MATRIX: SEDIMENT
METHOD: 9521M00
REVIEWER: _____

UNITS: UG/KG
CASE: 4976
DATE: 10/28/85

SAMPLE NUMBERS

AK651045

COMPOUND		
N NITROSODIMETHYLAMINE	15.0	U
PHENOL	15.0	U
ANILINE	15.0	U
BIS(2-CHLOROETHYL) ETHER	15.0	U
2 CHLOROPHENOL	15.0	U
1,3 DICHLOROBENZENE	15.0	U
1,4 DICHLOROBENZENE	15.0	U
BENZYL ALCOHOL	15.0	U
2 [illegible] TOLUENE	15.0	U
2 METHYLPHENOL	15.0	U
BIS(2-CHLOROISOPROPYL)ETHER	15.0	U
[illegible] PHENOL	15.0	U
N NITROSODIPROPYLAMINE	15.0	U
HEXACHLOROETHANE	15.0	U
NITROBENZENE	15.0	U
ISOPHORONE	15.0	U
2 NITROPHENOL	15.0	U
2,4 DIMETHYLPHENOL	15.0	U
BENZOIC ACID	72.0	U
BIS(2-CHLOROETHOXY) METHANE	15.0	U
2,4 DICHLOROPHENOL	15.0	U
1,2,4 TRICHLOROBENZENE	15.0	U
NAPHTHALENE	2.70	M
4 CHLOROANILINE	15.0	U
HEXACHLOROBUTADIENE	15.0	U
4 CHLORO 3 METHYLPHENOL	15.0	U
2 METHYLNAPHTHALENE	15.0	U
HEXACHLOROCYCLOPENTADIENE	15.0	U
2,4,6 TRICHLOROPHENOL	15.0	U
2,4,5 TRICHLOROPHENOL	72.0	U
2 CHLORONAPHTHALENE	15.0	U
2 NITROANILINE	72.0	U
DIMETHYL PHTHALATE	15.0	U
ACENAPHTHYLENE	15.0	U
3 NITROANILINE	72.0	U
DIBENZOFURAN	15.0	U
2,6 DINITROTOLUENE	15.0	U
2,4 DINITROPHENOL	15.0	U
4 NITROPHENOL	72.0	U
DIBENZOFURAN	15.0	U
2,6 DINITROTOLUENE	15.0	U

ANALYSIS TYPE: SEMIVOLATIL , (PAGE 1)

TITLE: SYNTEX
LAB: ENV
SAMPLE PREP:_____ ANALYST/ENTRY: E39

MATRIX: WATER
METHOD: 9521M00
REVIEWER: [illegible]

UNITS: UG/L
CASE: 4976
DATE: 10/28/85

SAMPLE NUMBERS

COMPOUND	AK651046		AK651047		AK651048		AK651049	
N-NITROSODIMETHYLAMINE	I	10.0	U	10.0	U	10.0	U
PHENOL	I	10.0	U		I	10.0	U
ANILINE	I	10.0	U	10.0	U	10.0	U
BIS(2-CHLOROETHYL) ETHER	I	10.0	U	10.0	U	10.0	U
2-CHLOROPHENOL	I	10.0	U		I	10.0	U
1,3 DICHLOROBENZENE	I	0.9	M	130		10.0	U
1,4 DICHLOROBENZENE	I	10.0	U	10.0	U	10.0	U
BENZYL ALCOHOL	I	10.0	U	15.0		10.0	U
1,2 DICHLOROBENZENE	I	0.9	M	15.0		10.0	U
2-METHYLPHENOL	I	10.0	U		I	10.0	U
BIS(2-CHLOROISOPROPYL)ETHER	I	10.0	U	10.0	U	10.0	U
4-METHYLPHENOL	I	10.0	U		I	10.0	U
N-NITROSO-DIPROPYLAMINE	I	10.0	U	10.0	U	10.0	U
HEXACHLOROETHANE	I	10.0	U	10.0	U	10.0	U
NITROBENZENE	I	10.0	U	10.0	U	10.0	U
ISOPHORONE	I	10.0	U	10.0	U	10.0	U
2-NITROPHENOL	I	10.0	U		I	10.0	U
2,4-DIMETHYLPHENOL	I	10.0	U		I	10.0	U
BENZOIC ACID	I	50.0	U		I	50.0	U
BIS(2-CHLOROETHOXY) METHANE	I	10.0	U	10.0	U	10.0	U
2,4 DICHLOROPHENOL	I	10.0	U		I	10.0	U
1,2,4-TRICHLOROBENZENE	I	10.0	U	22.0		10.0	U
NAPHTHALENE	I	10.0	U	10.0	U	10.0	U
4-CHLOROANILINE	I	10.0	U	10.0	U	10.0	U
HEXACHLOROBUTADIENE	I	10.0	U	10.0	U	10.0	U
4-CHLORO-3-METHYLPHENOL	I	10.0	U		I	10.0	U
2-METHYLNAPHTHALENE	I	10.0	U	10.0	U	10.0	U
HEXACHLOROCYCLOPENTADIENE	I	10.0	U	10.0	U	10.0	U
2,4,6-TRICHLOROPHENOL	I	10.0	U		I	10.0	U
2,4,5-TRICHLOROPHENOL	I	50.0	U		I	50.0	U
2-CHLORONAPHTHALENE	I	10.0	U	10.0	U	10.0	U
2-NITROANILINE	I	50.0	U	50.0	U	50.0	U
DIMETHYLPHTHALATE	I	10.0	U	10.0	U	10.0	U
ACENAPHTHYLENE	I	10.0	U	10.0	U	10.0	U
3-NITROANILINE	I	50.0	U	50.0	U	50.0	U
ACENAPHTHENE	I	10.0	U		I	10.0	U
2,4-DINITROPHENOL	I	10.0	U		I	10.0	U
4-NITROPHENOL	I	50.0	U		I	50.0	U
DIBENZOFURAN	I	10.0	U	10.0	U	10.0	U
2,4-DINITROTOULENE	I	10.0	U	10.0	U	10.0	U

ANALYSIS TYPE: SEMIVOLATILE (PAGE 1)

TITLE: SYNTEX
LAB: ENV
SAMPLE PREP:_____ ANALYST/ENTRY: E39

MATRIX: WATER
METHOD: 9521M00
REVIEWER: GSH/GA

UNITS: UG/L
CASE: 4976
DATE: 10/28/85

SAMPLE NUMBERS

COMPOUND	AK651050		AK651051F	
N-NITROSODIMETHYLAMINE	10.0	U	10.0	U
PHENOL	10.0	U	10.0	U
ANILINE	10.0	U	10.0	U
BIS(2-CHLOROETHYL) ETHER	10.0	U	10.0	U
2-CHLOROPHENOL	10.0	U	10.0	U
1,3 DICHLOROBENZENE	10.0	U	10.0	U
1,4 DICHLOROBENZENE	10.0	U	10.0	U
BENZYL ALCOHOL	10.0	U	10.0	U
1,2 DICHLOROBENZENE	10.0	U	10.0	U
2-METHYLPHENOL	10.0	U	10.0	U
BIS(2-CHLOROISOPROPYL)ETHER	10.0	U	10.0	U
4-METHYLPHENOL	10.0	U	10.0	U
N-NITROSO-DIPROPYLAMINE	10.0	U	10.0	U
HEXACHLOROETHANE	10.0	U	10.0	U
NITROBENZENE	10.0	U	10.0	U
ISOPHORONE	10.0	U	10.0	U
2-NITROPHENOL	10.0	U	10.0	U
2,4-DIMETHYLPHENOL	10.0	U	10.0	U
BENZOIC ACID	50.0	U	50.0	U
BIS(2-CHLOROETHOXY) METHANE	10.0	U	10.0	U
2,4 DICHLOROPHENOL	10.0	U	10.0	U
1,2,4-TRICHLOROBENZENE	10.0	U	10.0	U
NAPHTHALENE	10.0	U	10.0	U
4-CHLOROANILINE	10.0	U	10.0	U
HEXACHLOROBUTADIENE	10.0	U	10.0	U
4-CHLORO-3-METHYLPHENOL	10.0	U	10.0	U
2-METHYLNAPHTHALENE	10.0	U	10.0	U
HEXACHLOROCYCLOPENTADIENE	10.0	U	10.0	U
2,4,6-TRICHLOROPHENOL	10.0	U	10.0	U
2,4,5-TRICHLOROPHENOL	50.0	U	50.0	U
2-CHLORONAPHTHALENE	10.0	U	10.0	U
2-NITROANILINE	50.0	U	50.0	U
DIMETHYLPHTHALATE	10.0	U	10.0	U
ACENAPHTHYLENE	10.0	U	10.0	U
3-NITROANILINE	50.0	U	50.0	U
ACENAPHTHENE	10.0	U	10.0	U
2,4-DINITROPHENOL	10.0	U	10.0	U
4-NITROPHENOL	50.0	U	50.0	U
DIBENZOFURAN	10.0	U	10.0	U
2,4-DINITROTOULENE	10.0	U	10.0	U

ANALYSIS TYPE: SEMIVOLATILES (PAGE 2)

TITLE: SYNTEX
LAB: WCT
SAMPLE PREP:_____ ANALYST/ENTRY: E68

MATRIX: SEDIMENT
METHOD: 9541B20
REVIEWER: _____

UNITS: UG/KG
CASE: 4828
DATE: 10/01/85

SAMPLE NUMBERS

COMPOUND	AK651034		AK651035		AK651036		AK651037	
2,6-DINITROTOLUENE	200	U	200	U	200	U	200	U
DIETHYLPHTHALATE	200	U	200	U	200	U	200	U
4-CHLOROPHENYL PHENYL ETHER	200	U	200	U	200	U	200	U
FLUORENE	200	U	200	U	200	U	350	
4-NITROANILINE	960	U	960	U	960	U	960	U
4,6-DINITRO-2-METHYLPHENOL	960	U	960	U	960	U	960	U
N-NITROSODIPHENYLAMINE	200	U	200	U	200	U	200	U
4-BROMOPHENYL PHENYL ETHER	200	U	200	U	200	U	200	U
HEXACHLOROBENZENE	200	U	200	U	200	U	200	U
PENTACHLOROPHENOL	960	U	960	U	960	U	960	U
PHENANTHRENE	200	U	200	U	510		1500.	
ANTHRACENE	200	U	200	U	200	U	200	U
DI-N-BUTYLPHTHALATE	200	U	200	U	200	U	200	U
FLUORANTHENE	200	U	200	U	200	U	200	U
BENZIDINE	1900.	U	1900.	U	1900.	U	1900.	U
PYRENE	200	U	200	U	200	U	200	U
BUTYL BENZYL PHTHALATE	200	U	200	U	200	U	200	U
3,3' DICHLOROBENZIDINE	400	U	400	U	400	U	400	U
BENZO(A)ANTHRACENE	200	U	200	U	200	U	200	U
BIS(2-ETHYLHEXYL)PHTHALATE	1600.		150	M	200	U	120	M
CHRYSENE	200	U	200	U	200	U	200	U
DI-N-OCTYL PHTHALATE	200	U	200	U	200	U	200	U
BENZO(B)FLUORANTHENE	200	U	200	U	200	U	200	U
BENZO(K)FLUORANTHENE	200	U	200	U	200	U	200	U
BENZO(A)PYRENE	200	U	200	U	200	U	200	U
INDENO(1,2,3-CD)PYRENE	200	U	200	U	200	U	200	U
DIBENZO(A,H)ANTHRACENE	200	U	200	U	200	U	200	U
BENZO(G,H,I)PERYLENE	200	U	200	U	200	U	200	U

ALYSIS TYPE: SEMIVOLATILES (PAGE 2)

TITLE: SYNTEX
LAB: WCT
SAMPLE PREP:_____ ANALYST/ENTRY: E68

MATRIX: SEDIMENT
METHOD: 9541M00/
REVIEWER: GSY/ EF

UNITS: UG/KG
CASE: 4828
DATE: 10/01/85

SAMPLE NUMBERS

COMPOUND	AK651038		AK651039		AK651040		AK651041	
2,6-DINITROTOLUENE	200	U	200	U	200	U	200	U
DIETHYLPHTHALATE	200	U	200	U	200	U	200	U
4-CHLOROPHENYL PHENYL ETHER	200	U	200	U	200	U	200	U
FLUORENE	200	U	200	U	200	U	200	U
4-NITROANILINE	960	U	960	U	960	U	960	U
4,6-DINITRO-2-METHYLPHENOL	960	U	960	U	960	U	960	U
N-NITROSODIPHENYLAMINE	200	U	200	U	200	U	200	U
4-BROMOPHENYL PHENYL ETHER	200	U	200	U	200	U	200	U
HEXACHLOROBENZENE	200	U	200	U	200	U	200	U
PENTACHLOROPHENOL	960	U	960	U	960	U	960	U
PHENANTHRENE	200	U	45.0	M	200	U	200	U
ANTHRACENE	200	U	200	U	200	U	200	U
DI-N-BUTYLPHTHALATE	200	U	200	U	200	U	200	U
FLUORANTHENE	200	U	200	U	200	U	200	U
BENZIDINE	1900.	U	1900.	U	1900.	U	1900.	U
PYRENE	200	U	200	U	200	U	200	U
BUTYL BENZYL PHTHALATE	200	U	200	U	200	U	200	U
3,3' DICHLOROBENZIDINE	400	U	400	U	400	U	400	U
BENZO(A)ANTHRACENE	200	U	200	U	200	U	200	U
BIS(2-ETHYLHEXYL)PHTHALATE	64.0	M	48.0	M	90.0	M	77.0	M
CHRYSENE	200	U	200	U	200	U	200	U
DI-N-OCTYL PHTHALATE	200	U	200	U	200	U	200	U
BENZO(B)FLUORANTHENE	200	U	200	U	200	U	200	U
BENZO(K)FLUORANTHENE	200	U	200	U	200	U	200	U
BENZO(A)PYRENE	200	U	200	U	200	U	200	U
INDENO(1,2,3-CD)PYRENE	200	U	200	U	200	U	200	U
DIBENZO(A,H)ANTHRACENE	200	U	200	U	200	U	200	U
BENZO(G,H,I)PERYLENE	200	U	200	U	200	U	200	U

ANALYSIS TYPE: SEMIVOLATILES (PAGE 2)

TITLE: SYNTEX
LAB: WCT
SAMPLE PREP:_____ ANALYST/ENTRY: E&S

MATRIX: SEDIMENT
METHOD: 9541M00
REVIEWER: [illegible]

UNITS: UG/KG
CASE: 4828
DATE: 10/01/85

SAMPLE NUMBERS

COMPOUND	AK651042		AK651043		AK651044	
2,6-DINITROTOLUENE	200	U	200	U	200	U
DIETHYLPHTHALATE	200	U	200	U	200	U
4-CHLOROPHENYL PHENYL ETHER	200	U	200	U	200	U
FLUORENE	200	U	200	U	200	U
4-NITROANILINE	960	U	960	U	960	U
4,6-DINITRO-2-METHYLPHENOL	960	U	960	U	960	U
N-NITROSODIPHENYLAMINE	200	U	200	U	200	U
4-BROMOPHENYL PHENYL ETHER	200	U	200	U	200	U
HEXACHLOROBENZENE	200	U	200	U	200	U
PENTACHLOROPHENOL	960	U	960	U	960	U
PHENANTHRENE	200	U	200	U	200	U
ANTHRACENE	200	U	200	U	200	U
DI-N-BUTYLPHTHALATE	200	U	200	U	200	U
FLUORANTHENE	200	U	200	U	200	U
BENZIDINE	1900.	U	1900.	U	1900.	U
PYRENE	200	U	46.0	M	200	U
BUTYL BENZYL PHTHALATE	200	U	1600.		200	U
3,3' DICHLOROBENZIDINE	400	U	400	U	400	U
BENZO(A)ANTHRACENE	200	U	200	U	200	U
BIS(2-ETHYLHEXYL)PHTHALATE	200	U	200	U	65.0	J
CHRYSENE	200	U	200	U	200	U
DI-N-OCTYL PHTHALATE	200	U	200	U	200	U
BENZO(B)FLUORANTHENE	200	U	200	U	200	U
BENZO(K)FLUORANTHENE	200	U	200	U	200	U
BENZO(A)PYRENE	200	U	200	U	200	U
INDENO(1,2,3-CD)PYRENE	200	U	200	U	200	U
DIBENZO(A,H)ANTHRACENE	200	U	200	U	200	U
BENZO(G,H,I)PERYLENE	200	U	200	U	200	U

ANALYSIS TYPE: SEMIVOLATILE (PAGE 2)

TITLE: [illegible]
LAB: [illegible]
SAMPLE REF: _____ ANALYST/ENTRY: E43

MATRIX: SEDIMENT
METHOD: 9521M00
REVIEWER: [illegible]

UNITS: UG/KG
CASE: 4976
DATE: 10/23/85

SAMPLE NUMBERS

AR651045

COMPOUND		
[illegible]TOLUENE	15.0	U
[illegible]THALATE	15.0	U
[illegible]ENYL PHENYL ETHER	15.0	U
[illegible]	15.0	U
[illegible]NE	72.0	U
[illegible]-METHYLPHENOL	72.0	U
[illegible]ETHYLAMINE	15.0	U
[illegible] PHENYL ETHER	15.0	U
[illegible]ZENE	15.0	U
[illegible]ENOL	72	
[illegible]	1[illegible]	
[illegible]	[illegible]	
[illegible]THALATE	230	
[illegible]	[illegible]	
[illegible]	140	
[illegible]	[illegible]	
[illegible] PHTHALATE	[illegible]	
[illegible] DIBENZIDINE	30	
[illegible]RADENE	[illegible]	
[illegible]YL PHTHALATE	37[illegible]	
[illegible]THALATE	[illegible]	
[illegible]ANTHENE	[illegible]	
[illegible]THENE	[illegible]	
[illegible]	[illegible]	
[illegible] PYRENE	[illegible]	
[illegible]THRACENE	[illegible]	
[illegible]ALENE		

ANALYSIS TYPE: SEMIVOLATI 3 (PAGE 2)

TITLE: SYNTEX
LAB: ENV
SAMPLE PREP:_____ ANALYST/ENTRY: E40

MATRIX: WATER
METHOD: 9521M00
REVIEWER: GSY/ EF

UNITS: UG/L
CASE: 4976
DATE: 10/28/95

SAMPLE NUMBERS

COMPOUND	AK651046		AK651047		AK651048		AK651049	
2,6-DINITROTOLUENE	I	10.0	U	10.0	U	10.0	U	
DIETHYLPHTHALATE	I	10.0	U	10.0	U	10.0	U	
4-CHLOROPHENYL PHENYL ETHER	I	10.0	U	10.0	U	10.0	U	
FLUORENE	I	10.0	U	10.0	U	10.0	U	
4-NITROANILINE	I	50.0	U	50.0	U	50.0	U	
4,6-DINITRO-2-METHYLPHENOL	I	50.0	U		I	50.0	U	
N-NITROSODIPHENYLAMINE	I	10.0	U	10.0	U	10.0	U	
4-BROMOPHENYL PHENYL ETHER	I	10.0	U	10.0	U	10.0	U	
HEXACHLOROBENZENE	I	10.0	U	10.0	U	10.0	U	
PENTACHLOROPHENOL	I	50.0	U		I	50.0	U	
PHENANTHRENE	I	10.0	U	10.0	U	10.0	U	
ANTHRACENE	I	10.0	U	10.0	U	10.0	U	
DI-N-BUTYLPHTHALATE	I	10.0	U	10.0	U	10.0	U	
FLUORANTHENE	I	10.0	U	10.0	U	10.0	U	
BENZIDINE	I	100	U	100	U	100	U	
PYRENE	I	10.0	U	10.0	U	10.0	U	
BUTYL BENZYL PHTHALATE	I	10.0	U	10.0	U	10.0	U	
3,3' DICHLOROBENZIDINE	I	20.0	U	20.0	U	20.0	U	
BENZO(A)ANTHRACENE	I	10.0	U	10.0	U	10.0	U	
BIS(2-ETHYLHEXYL)PHTHALATE	I	10.0	U	340	J	10.0	U	
CHRYSENE	I	10.0	U	10.0	U	10.0	U	
DI-N-OCTYL PHTHALATE	I	10.0	U	10.0	U	10.0	U	
BENZO(B)FLUORANTHENE	I	10.0	U	10.0	U	10.0	U	
BENZO(K)FLUORANTHENE	I	10.0	U	10.0	U	10.0	U	
BENZO(A)PYRENE	I	10.0	U	10.0	U	10.0	U	
INDENO(1,2,3-CD)PYRENE	I	10.0	U	10.0	U	10.0	U	
DIBENZO(A,H)ANTHRACENE	I	10.0	U	10.0	U	10.0	U	
BENZO(G,H,I)PERYLENE	I	10.0	U	10.0	U	10.0	U	

(LYSIS TYPE: SEMIVOLATILES PAGE 2)

TITLE: SYNTEX
LAB: ENV
SAMPLE PREP:_____ ANALYST/ENTRY: E40

MATRIX: WATER
METHOD: 9521M00
REVIEWER: EA

UNITS: UG/L
CASE: 4976
DATE: 10/28/85

SAMPLE NUMBERS

COMPOUND	AK651050		AK651051F	
2,6-DINITROTOLUENE	10.0	U	10.0	U
DIETHYLPHTHALATE	10.0	U	10.0	U
4-CHLOROPHENYL PHENYL ETHER	10.0	U	10.0	U
FLUORENE	10.0	U	10.0	U
4-NITROANILINE	50.0	U	50.0	U
4,6-DINITRO-2-METHYLPHENOL	50.0	U	50.0	U
N-NITROSODIPHENYLAMINE	10.0	U	10.0	U
4-BROMOPHENYL PHENYL ETHER	10.0	U	10.0	U
HEXACHLOROBENZENE	10.0	U	10.0	U
PENTACHLOROPHENOL	50.0	U	50.0	U
PHENANTHRENE	10.0	U	10.0	U
ANTHRACENE	10.0	U	10.0	U
DI-N-BUTYLPHTHALATE	10.0	U	10.0	U
FLUORANTHENE	10.0	U	10.0	U
BENZIDINE	100	U	100	U
PYRENE	10.0	U	10.0	U
BUTYL BENZYL PHTHALATE	10.0	U	10.0	U
3,3' DICHLOROBENZIDINE	20.0	U	20.0	U
BENZO(A)ANTHRACENE	10.0	U	10.0	U
BIS(2-ETHYLHEXYL)PHTHALATE	10.0	U	10.0	U
CHRYSENE	10.0	U	10.0	U
DI-N-OCTYL PHTHALATE	10.0	U	10.0	U
BENZO(B)FLUORANTHENE	10.0	U	10.0	U
BENZO(K)FLUORANTHENE	10.0	U	10.0	U
BENZO(A)PYRENE	10.0	U	10.0	U
INDENO(1,2,3-CD)PYRENE	10.0	U	10.0	U
DIBENZO(A,H)ANTHRACENE	10.0	U	10.0	U
BENZO(G,H,I)PERYLENE	10.0	U	10.0	U

: ALYSIS TYPE: PESTICIDES

TITLE: SYNTEX
LAB: WCT
SAMPLE PREP:_____ ANALYST/ENTRY: E69

MATRIX: SEDIMENT
METHOD: 9541M00
REVIEWER: _____

UNITS: UG/KG
CASE: 4303
DATE: 10/01/90

SAMPLE NUMBERS

COMPOUND	AK651034		AK651035		AK651036		AK651037	
ALPHA-BHC	2.00	U	2.00	U	2.00	U	2.00	U
BETA-BHC	2.00	U	2.00	U	2.00	U	2.00	U
DELTA-BHC	2.00	U	2.00	U	2.00	U	2.00	U
GAMMA-BHC	2.00	U	2.00	U	2.00	U	2.00	U
HEPTACHLOR	2.00	U	2.00	U	2.00	U	2.00	U
ALDRIN	2.00	U	2.00	U	2.00	U	2.00	U
HEPTACHLOR EPOXIDE	2.00	U	2.00	U	2.00	U	2.00	U
ENDOSULFAN I	2.00	U	2.00	U	2.00	U	2.00	U
DIELDRIN	4.00	U	4.00	U	4.00	U	4.00	U
4,4'-DDE	4.00	U	4.00	U	4.00	U	4.00	U
ENDRIN	4.00	U	4.00	U	4.00	U	4.00	U
ENDOSULFAN II	4.00	U	4.00	U	4.00	U	4.00	U
4,4'-DDD	4.00	U	4.00	U	4.00	U	4.00	U
ENDRIN ALDEHYDE	4.00	U	4.00	U	4.00	U	4.00	U
ENDOSULFAN SULFATE	4.00	U	4.00	U	4.00	U	4.00	U
4,4'-DDT	4.00	U	4.00	U	4.00	U	4.00	U
ENDRIN KETONE	4.00	U	4.00	U	4.00	U	4.00	U
METHOXYCHLOR	20.0	U	20.0	U	20.0	U	20.0	U
CHLORDANE	20.0	U	20.0	U	20.0	U	20.0	U
TOXAPHENE	40.0	U	40.0	U	40.0	U	40.0	U
AROCLOR-1016	20.0	U	20.0	U	20.0	U	20.0	U
AROCLOR-1221	20.0	U	20.0	U	20.0	U	20.0	U
AROCLOR-1232	20.0	U	20.0	U	20.0	U	20.0	U
AROCLOR-1242	20.0	U	20.0	U	20.0	U	20.0	U
AROCLOR-1248	20.0	U	20.0	U	20.0	U	20.0	U
AROCLOR-1254	40.0	U	40.0	U	40.0	U	40.0	U
AROCLOR-1260	40.0	U	40.0	U	40.0	U	40.0	U

ANALYSIS TYPE: PESTICIDES

TITLE: SYNTEX
LAB: WCT
SAMPLE PREP:_____ ANALYST/ENTRY: E69

MATRIX: SEDIMENT
METHOD: 9541M00
REVIEWER: _____

UNITS: UG/KG
CASE: 4828
DATE: 10/01/93

SAMPLE NUMBERS

COMPOUND	AK651038		AK651039		AK651040		AK651041	
ALPHA-BHC	2.00	U	2.00	U	2.00	U	4.00	U
BETA-BHC	2.00	U	2.00	U	2.00	U	4.00	U
DELTA-BHC	2.00	U	2.00	U	2.00	U	4.00	U
GAMMA-BHC	2.00	U	2.00	U	2.00	U	4.00	U
HEPTACHLOR	2.00	U	2.00	U	2.00	U	4.00	U
ALDRIN	2.00	U	2.00	U	2.00	U	4.00	U
HEPTACHLOR EPOXIDE	2.00	U	2.00	U	2.00	U	4.00	U
ENDOSULFAN I	2.00	U	2.00	U	2.00	U	4.00	U
DIELDRIN	4.00	U	4.00	U	4.00	U	8.00	U
4,4'-DDE	4.00	U	4.00	U	4.00	U	8.00	U
ENDRIN	4.00	U	4.00	U	4.00	U	8.00	U
ENDOSULFAN II	4.00	U	4.00	U	4.00	U	8.00	U
4,4'-DDD	4.00	U	4.00	U	4.00	U	8.00	U
ENDRIN ALDEHYDE	4.00	U	4.00	U	4.00	U	8.00	U
ENDOSULFAN SULFATE	4.00	U	4.00	U	4.00	U	8.00	U
4,4'-DDT	4.00	U	4.00	U	4.00	U	8.00	U
ENDRIN KETONE	4.00	U	4.00	U	4.00	U	8.00	U
METHOXYCHLOR	20.0	U	20.0	U	20.0	U	40.0	U
CHLORDANE	20.0	U	20.0	U	20.0	U	40.0	U
TOXAPHENE	40.0	U	40.0	U	40.0	U	80.0	U
AROCLOR-1016	20.0	U	20.0	U	20.0	U	40.0	U
AROCLOR-1221	20.0	U	20.0	U	20.0	U	40.0	U
AROCLOR-1232	20.0	U	20.0	U	20.0	U	40.0	U
AROCLOR-1242	20.0	U	20.0	U	20.0	U	40.0	U
AROCLOR-1248	20.0	U	20.0	U	20.0	U	40.0	U
AROCLOR-1254	40.0	U	40.0	U	40.0	U	80.0	U
AROCLOR-1260	40.0	U	40.0	U	40.0	U	80.0	U

ANALYSIS TYPE: PESTICIDES

TITLE: SYNTEX
LAB: WCT
SAMPLE PREP:_____ ANALYST/ENTRY: E69

MATRIX: SEDIMENT
METHOD: 9541M00
REVIEWER: [illegible]

UNITS: UG/KG
CASE: 4828
DATE: 10/01/88

SAMPLE NUMBERS

COMPOUND	AK651042		AK651043		AK651044	
ALPHA-BHC	2.00	U	2.00	U	2.00	U
BETA-BHC	2.00	U	2.00	U	2.00	U
DELTA-BHC	2.00	U	2.00	U	2.00	U
GAMMA-BHC	2.00	U	2.00	U	2.00	U
HEPTACHLOR	2.00	U	2.00	U	2.00	U
ALDRIN	2.00	U	2.00	U	2.00	U
HEPTACHLOR EPOXIDE	2.00	U	2.00	U	2.00	U
ENDOSULFAN I	2.00	U	2.00	U	2.00	U
DIELDRIN	4.00	U	4.00	U	4.00	U
4,4'-DDE	4.00	U	4.00	U	4.00	U
ENDRIN	4.00	U	4.00	U	4.00	U
ENDOSULFAN II	4.00	U	4.00	U	4.00	U
4,4'-DDD	4.00	U	4.00	U	4.00	U
ENDRIN ALDEHYDE	4.00	U	4.00	U	4.00	U
ENDOSULFAN SULFATE	4.00	U	4.00	U	4.00	U
4,4'-DDT	4.00	U	4.00	U	4.00	U
ENDRIN KETONE	4.00	U	4.00	U	4.00	U
METHOXYCHLOR	20.0	U	20.0	U	20.0	U
CHLORDANE	20.0	U	20.0	U	20.0	U
TOXAPHENE	40.0	U	40.0	U	40.0	U
AROCLOR-1016	20.0	U	20.0	U	20.0	U
AROCLOR-1221	20.0	U	20.0	U	20.0	U
AROCLOR-1232	20.0	U	20.0	U	20.0	U
AROCLOR-1242	20.0	U	20.0	U	20.0	U
AROCLOR-1248	20.0	U	20.0	U	20.0	U
AROCLOR-1254	40.0	U	40.0	U	40.0	U
AROCLOR-1260	40.0	U	40.0	U	40.0	U

ALYSIS TYPE: PESTICIDES

[illegible]
[illegible]
[illegible] ANALYST/ENTRY: E44

MATRIX: SEDIMENT
METHOD: 9501M00
REVIEWER: [illegible]

UNITS: UG/KG
CASE: 4976
DATE: 10/23/85

SAMPLE NUMBERS

AK601045

COMPOUND		
[illegible]	8.00	U
[illegible]	8.00	U
[illegible]	8.00	U
[illegible]	[illegible]	U
[illegible]	[illegible]	U
[illegible]	[illegible]	U
[illegible] EPOXIDE	[illegible]	[illegible]
[illegible]	[illegible]	U
[illegible]	1[illegible]	
[illegible]	1[illegible]	
[illegible]	[illegible]	
[illegible]	[illegible]	
[illegible]	[illegible]	
[illegible] SULFATE		
[illegible]	[illegible]	
[illegible]	[illegible]	
[illegible]	1[illegible]	
[illegible]	[illegible]	
[illegible]	[illegible]	
[illegible]	[illegible]	
[illegible]	[illegible]	
[illegible]	1[illegible]	
[illegible]	1[illegible]	

ANALYSIS TYPE: PESTICIDES

TITLE: SYNTEX
LAB: ENV
SAMPLE PREP:_____ ANALYST/ENTRY: E41

MATRIX: WATER
METHOD: 9521M00
REVIEWER: GSY/SK

UNITS: UG/L
CASE: 4976
DATE: 10/28/85

SAMPLE NUMBERS

COMPOUND	AK651046		AK651047		AK651048		AK651049	
ALPHA-BHC	0.05	U	0.05	U	0.05	U	0.05	U
BETA-BHC	0.05	U	0.05	U	0.05	U	0.05	U
DELTA-BHC	0.05	U	0.05	U	0.05	U	0.05	U
GAMMA-BHC	0.05	U	0.05	U	0.05	U	0.05	U
HEPTACHLOR	0.05	U	0.05	U	0.05	U	0.05	U
ALDRIN	0.05	U	0.05	U	0.05	U	0.05	U
HEPTACHLOR EPOXIDE	0.05	U	0.05	U	0.05	U	0.05	U
ENDOSULFAN I	0.05	U	0.05	U	0.05	U	0.05	U
DIELDRIN	0.1	U	0.1	U	0.1	U	0.1	U
4,4'-DDE	0.1	U	0.1	U	0.1	U	0.1	U
ENDRIN	0.1	U	0.1	U	0.1	U	0.1	U
ENDOSULFAN II	0.1	U	0.1	U	0.1	U	0.1	U
4,4'-DDD	0.1	U	0.1	U	0.1	U	0.1	U
ENDRIN ALDEHYDE	0.1	U	0.1	U	0.1	U	0.1	U
ENDOSULFAN SULFATE	0.1	U	0.1	U	0.1	U	0.1	U
4,4'-DDT	0.1	U	0.1	U	0.1	U	0.1	U
ENDRIN KETONE	0.1	U	0.1	U	0.1	U	0.1	U
METHOXYCHLOR	0.5	U	0.5	U	0.5	U	0.5	U
CHLORDANE	0.5	U	0.5	U	0.5	U	0.5	U
TOXAPHENE	1.00	U	1.00	U	1.00	U	1.00	U
AROCLOR-1016	0.5	U	0.5	U	0.5	U	0.5	U
AROCLOR-1221	0.5	U	0.5	U	0.5	U	0.5	U
AROCLOR-1232	0.5	U	0.5	U	0.5	U	0.5	U
AROCLOR-1242	0.5	U	0.5	U	0.5	U	0.5	U
AROCLOR-1248	0.5	U	0.5	U	0.5	U	0.5	U
AROCLOR-1254	1.00	U	1.00	U	1.00	U	1.00	U
AROCLOR-1260	1.00	U	1.00	U	1.00	U	1.00	U

ALYSIS TYPE: PESTICIDES

TITLE: SYNTEX
LAB: [illegible]
SAMPLE REF:_____ ANALYST/ENTRY: E41

MATRIX: WATER
METHOD: 9521M00
REVIEWER: [illegible]

UNITS: UG/L
CASE: 4976
DATE: 10/28/85

SAMPLE NUMBERS

COMPOUND	AK651050		AK651051F	
[illegible]-BHC	0.05	U	0.05	U
[illegible]-BHC	0.05	U	0.05	U
[illegible]-BHC	0.05	U	0.05	U
[illegible]	0.05	U	0.05	U
[illegible]	0.05	U	0.05	U
[illegible]	0.05	U	0.05	U
[illegible] EPOXIDE	0.05	U	0.05	U
[illegible] I	0.05	U	0.05	U
[illegible]	0.1	U	0.1	U
[illegible]	0.1	U	0.1	U
[illegible]	0.1	U	0.1	U
[illegible] II	0.1	U	0.1	U
[illegible]	0.1	U	0.1	U
[illegible] ALDEHYDE	0.1	U	0.1	U
[illegible] SULFATE	0.1	U	0.1	U
[illegible]	0.1	U	0.1	U
[illegible] ETONE	0.1	U	0.1	U
[illegible]	0.5	U	0.5	U
[illegible]	0.5	U	0.5	U
[illegible]	1.00	U	1.00	U
[illegible] 1016	0.5	U	0.5	U
[illegible] 1221	0.5	U	0.5	U
[illegible] 1232	0.5	U	0.5	U
[illegible] 1242	0.5	U	0.5	U
[illegible] 1248	0.5	U	0.5	U
[illegible] 1254	1.00	U	1.00	U
[illegible] 1260	1.00	U	1.00	U

Case No.: 4828 Laboratory: WCT

Contract No.: 68-01-6962 Method No.: 9541M00

SMO No.: G3963-73 EPA No.: AK651-

Site: Syntex Matrix: Soil

We have reviewed the above case. The following are our findings:

1. This data package was delivered to EPA late. It contains results for BNA and pesticide analyses performed between 8/10 and 9/19/85. Included in this package is data from several reinjections of extracts prepared earlier this summer. The reinjections did not affect the data already acquired from the initial injections.

2. Sample holding times were kept.

3. All surrogates, calibration standards, internal standards and pesticide evaluation mixes fell within specifications.

ANALYSIS TYPE: PESTICIDES

TITLE: SYNTEX
LAB: UST
SAMPLE PREP:_____ ANALYST/ENTRY: E10

MATRIX: SEDIMENT
METHOD: 9521M00
REVIEWER: [illegible]

UNITS: UG/KG
CASE: 4529
DATE: 07/24/85

SAMPLE NUMBERS

COMPOUND	AK651032		AK651033	
ALPHA-BHC	3.00	U	830	U
BETA-BHC	3.00	U	830	U
DELTA-BHC	3.00	U	830	U
GAMMA-BHC	3.00	U	830	U
HEPTACHLOR	3.00	U	830	U
ALDRIN	3.00	U	830	U
HEPTACHLOR EPOXIDE	3.00	U	830	U
ENDOSULFAN I	3.00	U	830	U
DIELDRIN	6.00	U	1700.	U
4,4'-DDE	6.00	U	1700.	U
ENDRIN	6.00	U	1700.	U
ENDOSULFAN II	6.00	U	1700.	U
4,4'-DDD	6.00	U	1700.	U
ENDRIN ALDEHYDE	6.00	U	1700.	U
ENDOSULFAN SULFATE	6.00	U	1700.	U
4,4'-DDT	6.00	U	1700.	U
ENDRIN KETONE	6.00	U	1700.	U
METHOXYCHLOR	30.0	U	8300.	U
CHLORDANE	30.0	U	8300.	U
TOXAPHENE	60.0	U	17000.	U
AROCLOR-1016	30.0	U	8300.	U
AROCLOR-1221	30.0	U	8300.	U
AROCLOR-1232	30.0	U	8300.	U
AROCLOR-1242	30.0	U	8300.	U
AROCLOR-1248	30.0	U	8300.	U
AROCLOR-1254	60.0	U	17000.	U
AROCLOR-1260	60.0	U	17000.	U

ecology and environment, inc.
FAIRWAY WEST OFFICE BLDG., 4350 SHAWNEE MISSION PARKWAY, SHAWNEE MISSION, KS 66205 TEL. 913-432-9961
International Specialists in the Environment

MEMORANDUM

TO: Paul Doherty, ARPO.

THRU: James Buchanan, RM

FROM: Nancy Blackman, E&E/FIT

DATE: November 30, 1985

SUBJECT: Syntex Verona plant groundwater sampling
TDD #R07-8408-23

INTRODUCTION

The Ecology and Environment Field Investigation Team (E&E/FIT) was tasked under Technical Directive Document (TDD) R-07-8408-23 to provide technical supervision during the implementation of the Syntex Verona Sampling Plan. The final phase of the sampling plan involved the collection of groundwater samples from ten monitoring wells previously installed (see the Syntex Compliance Monitoring Trip Report TDD R-07-8408-23 for details on the well installation). Sampling of the wells will be conducted quarterly thru August, 1986.

Purging of the Monitoring Wells

The monitoring wells were purged, prior to sampling, using the stainless steel well wizard pumps previously installed in each well. The initial water level was taken at each well and then three well volumes of water were removed.

Well #	Date Purged	Initial Water Level (from top of casing)	Volume Removed
1	11-14-85	13.42'	3.5 gallons
2	11-14-85	8.22'	6 gallons
3	11-14-85	10.92'	5 gallons
4	11-14-85	10.08'	5 gallons
5	11-14-85	10.33	5 gallons
6	11-14-85	9.63'	5.5 gallons
7	11-14-85	9.80'	5.5 gallons
8	11-14-85	9.71	5.5 gallons
9	11-14-85	11.00'	5 gallons
10	11-14-85	9.42'	5 gallons

recycled paper

Sampling of the Monitoring Wells

The monitoring wells were sampled immediately after being purged. Steve Hennigh and Bill Durbin of Durbin Contracting collected two quart jars from each well for Syntex. EPA split samples were collected from monitoring wells 1, 5, 6, 7 and 8. The split samples were obtained by collecting the water in a laboratory cleaned 80 oz. jug. The water was then composited into each of the Syntex and EPA sample containers. A summary of the samples collected and the analysis requested is listed below:

Well Number	Syntex Sample Number	Date Collected	Containers	Analysis
1	1-11-14-85	11-14-85	2 quart jars	TCDD
2	2-11-14-85	11-14-85	2 quart jars	TCDD
3	3-11-14-85	11-14=85	2 quart jars	TCDD
4	4-11-14-85	11-14-85	2 quart jars	TCDD
5	5-11-14-85	11-14-85	2 quart jars	TCDD
6	6-11-14-85	11-14-85	2 quart jars	TCDD
7	7-11-14-85	11-14-85	2 quart jars	TCDD
8	8-11-14-85	11-14-85	2 quart jars	TCDD
9	9-11-14-85	11-14-85	2 quart jars	TCDD
10	10-11-14-85	11-14-85	2 quart jars	TCDD

Well Number	EPA Sample Number	Date Collected	Containers	Analysis
1	BK651001	11-14-85	3-80 oz. jugs	TCDD, Base Neutral, Acid, Pesticid (B/N, A,P)
5	BK651002	11-14-85	3-80 oz. jugs	TCDD, B/N, A,P
6	BK651003	11-14-85	3-80 oz. jugs	TCDD, B/N A,P
7	BK651004	11-14-85	3-80 oz. jugs	TCDD, B/N, A,P
8	BK651005	11-14-85	3-80 oz. jugs	TCDD, B/N, A,P
Field Blank	BK651006	11-14-85	3-80 oz. jugs	TCDD, B/N A,P

Note: The samples from wells 6 and 7 foamed when agitated and had a strong odor.

Levels of Protection

The samplers were dressed in level-C protection. This level of protection consisted of the following safety equipment:

- PVC rainsuit
- Cotton glove liners
- Nitrile outer gloves
- Neoprene steel toe and shank boots
- Half face air purifying respirator with high efficiency organic vapor filter

The E&E observer was dressed level-D protection.

Decontamination Methods

The samples were packaged and sent to the Syntex laboratory in Palo Alto, California. The EPA split samples were delivered to the Region VII laboratory by Nancy Blackman E&E/FIT on November 15, 1985.

Resources Expended

A total of 28 hours were required to supervise the collection of the groundwater samples at the Syntex Verona plant. This brings the total hours expended on the Syntex Compliance Monitoring TDD to 1677 hours. The hours used to supervise the groundwater sampling in February, May and August will be charged under TDD R07-8408-23A.

NB:wm

CHAIN OF CUSTODY RECORD
ENVIRONMENTAL PROTECTION AGENCY – REGION 7

WORK LEADER (PRINT)	NAME OF SURVEY OR ACTIVITY	DATE OF COLLECTION (DAY / MONTH / YEAR)	SHEET
N. Blackman	Syntex Facility	14 / 11 / 85	1 of 1

DESCRIPTION OF SHIPMENT

___ PIECE(S) CONSISTING OF ___ BOX(S)

___ ICE CHEST(S); OTHER ___

VOUCHER OR RECEIPT NO.

CONTENTS OF SHIPMENT

LABORATORY SAMPLE NO.	TYPES OF CONTAINERS: CUBITAINER	GLASS JAR	DO BOTTLE	BIO. BOTTLE	LABORATORY SAMPLE NO.	TYPES OF CONTAINERS: CUBITAINER	GLASS JAR	DO BOTTLE	BIO. BOTTLE
	NO. OF CONTAINERS PER LAB NO.					NO. OF CONTAINERS PER LAB NO.			
BK651001		3 - 80 oz. Jar							
BK651002		↑ -							
BK651003									
BK651004									
BK651005		↓							
BK651006F		3 - 80 oz Jar							

PERSONNEL CUSTODY RECORD

RELINQUISHED BY (SAMPLER)	RECEIVED BY	DATE	TIME	REASON FOR CHANGE OF CUSTODY
[signature] SEALED ☐ UNSEALED ☒	Nancy J. Blackman SEALED ☐ UNSEALED ☒	11-14-85	1600	Accept custody for packaging and delivery to the EPA Region VII lab
RELINQUISHED BY: Nancy J. Blackman SEALED ☐ UNSEALED ☒	RECEIVED BY: [signature] SEALED ☐ UNSEALED ☐	DATE: 11/15/85	TIME: 4:00 pm	REASON FOR CHANGE OF CUSTODY: Transfer custody to EPA Region VII lab
RELINQUISHED BY: SEALED ☐ UNSEALED ☐	RECEIVED BY: SEALED ☐ UNSEALED ☐	DATE	TIME	REASON FOR CHANGE OF CUSTODY
RELINQUISHED BY: SEALED ☐ UNSEALED ☐	RECEIVED BY: SEALED ☐ UNSEALED ☐	DATE	TIME	REASON FOR CHANGE OF CUSTODY
RELINQUISHED BY: SEALED ☐ UNSEALED ☐	RECEIVED BY: SEALED ☐ UNSEALED ☐	DATE	TIME	REASON FOR CHANGE OF CUSTODY
RELINQUISHED BY: SEALED ☐ UNSEALED ☐	RECEIVED BY: SEALED ☐ UNSEALED ☐	DATE	TIME	REASON FOR CHANGE OF CUSTODY
RELINQUISHED BY: SEALED ☐ UNSEALED ☐	RECEIVED BY: SEALED ☐ UNSEALED ☐	DATE	TIME	REASON FOR CHANGE OF CUSTODY

7-EPA-9283 (4/75)

FIELD SHEET
U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII
ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

Site Name: SYNTEX FACILITY — Site Number: 51
Location: VERONA, MO — Site Code: SYN

Collected: YR: 85 MO: 11 Day: 14 Time: 0900 Leader: BLACKMAN

Sample Number: BK651001 SMO #:

Sample Media (circle one):
SOIL, DUST, RINSATE, SEDIMENT, (WATER) OTHER:_____

Sample Split (circle one): YES (NO)

Sample Container	Tag Color	Preservative	Analysis Requested
80 OZ JUG	BLUE	ICE	TCDD
2-80 OZ JUG	PURPLE	ICE	BNA/P

Depth: 10-15' Pan #:_____ Aliquots:_____

Samplers: Steve Hennigh
Bill Duchin

COMMENTS OF FIELD PERSONNEL

Site Description: Groundwater sample from Monitoring Well #1

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FIELD SHEET
U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII
ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

Site Name: SYNTEX FACILITY — Site Number: 51
Location: VERONA, MO — Site Code: SYN

Collected: YR: 85 MO: 11 Day: 14 Time: 1105 Leader: BLACKMAN

Sample Number: BK651002 SMO #:

Sample Media (circle one):
SOIL, DUST, RINSATE, SEDIMENT, (WATER), OTHER:_____

Sample Split (circle one): YES (NO)

Sample Container	Tag Color	Preservative	Analysis Requested
80 OZ JUG	BLUE	ICE	TCDD
2-80 OZ JUG	PURPLE	ICE	BNA/P

Depth: 10-15' Pan #:_____ Aliquots:_____

Samplers: Steve Hennigh
Bill Durbin

COMMENTS OF FIELD PERSONNEL

Site Description: Groundwater sample from Monitoring Well #5

IBM-PC

FIELD SHEET
U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII
ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

Site Name: SYNTEX FACILITY — Site Number: 51
Location: VERONA, MO — Site Code: SYN

Collected: YR: 85 MO: 11 Day: 14 Time: 1515 Leader: BLACKMAN

Sample Number: BK651004 SMO #:

Sample Media (circle one):
SOIL, DUST, RINSATE, SEDIMENT, (WATER) OTHER:_____

Sample Split (circle one): YES (NO)

Sample Container	Tag Color	Preservative	Analysis Requested
80 OZ JUG	BLUE	ICE	TCDD
2-80 OZ JUG	PURPLE	ICE	BNA/P

Depth: 10-15' Pan #:_____ Aliquots:_____

Samplers: Steve Hennigh
Bill Durbin

COMMENTS OF FIELD PERSONNEL

Site Description: Groundwater Sample from Monitoring Well # 7
The sample had an odor and foamed

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FIELD SHEET
U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII
ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

Site Name: SYNTEX FACILITY — Site Number: 51
Location: VERONA, MO — Site Code: SYN

Collected: YR: 85 MO: 11 Day: 14 Time: 1435 Leader: BLACKMAN

Sample Number: BK651005 SMO #:

Sample Media (circle one):
SOIL, DUST, RINSATE, SEDIMENT, (WATER) OTHER:_____

Sample Split (circle one): YES (NO)

Sample Container	Tag Color	Preservative	Analysis Requested
80 OZ JUG	BLUE	ICE	TCDD
2-80 OZ JUG	PURPLE	ICE	BNA/P

Depth: 10-15' Pan #:_____ Aliquots:_____

Samplers: Steve Hennigh
Bill Durbin

COMMENTS OF FIELD PERSONNEL

Site Description: Groundwater Sample from Monitoring Well # 8

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FIELD SHEET
U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII
ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

Site Name: SYNTEX FACILITY — Site Number: 51
Location: VERONA, MO — Site Code: SYN

Collected: YR: 85 MO: 11 Day: 14 Time: 1550 Leader: BLACKMAN

Sample Number: BK651006F SMO #:

Sample Media (circle one):
SOIL, DUST, RINSATE, SEDIMENT, (WATER) OTHER:_____

Sample Split (circle one): YES (NO)

Sample Container	Tag Color	Preservative	Analysis Requested
80 OZ JUG	BLUE	ICE	TCDD
2-80 OZ JUG	PURPLE	ICE	BNA/P

Depth: N.A. Pan #:_____ Aliquots:_____

Samplers: Steve Hennigh
Bill Durbin

COMMENTS OF FIELD PERSONNEL

Site Description: Field Blank
D.I. water pumped through well Wizard from Monitoring Well #1

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International Specialists in the Environment

3.2

MEMORANDUM

TO: Paul Doherty, ARPO

THRU: James Buchanan, RM

FROM: Nancy Blackman, E&E/FIT

DATE: December 4, 1985

SUBJECT: Trip Report for compliance monitoring of groundwater sampling at the Syntex plant in Verona, Missouri
TDD # R07-8408-23

INTRODUCTION

The Ecology and Environment Field Investigation Team (E&E/FIT) was tasked under Technical Directive Document (TDD) R07-8408-23 to provide technical supervision during the implementation of the Syntex Verona Sampling Plan. The final phase of the sampling plan involved the collection of groundwater samples from ten monitoring wells previously installed (see the Syntex Compliance Monitoring Trip Report TDD # R07-8408-23 for details on the well installation). Sampling of the wells will be performed monthly for the first three months and then quarterly for the first year. This report discusses the second monthly sampling effort.

PURGING OF THE WELLS

The monitoring wells were purged using the stainless steel Well Wizard pumps previously installed in each well. The initial water level was taken at each well and then three well volumes of water were removed.

WELL #	DATE PURGED	INITIAL WATER LEVEL (from top of casing)	VOLUME REMOVED
1	10-15-85	13.67'	3.5 gallons
2	10-15-85	08.22'	6.0 gallons
3	10-15-85	11.00'	4.5 gallons
4	10-15-85	10.04'	5.0 gallons
5	10-15-85	10.92'	5.0 gallons
6	10-15-85	09.63'	5.5 gallons
7	10-15-85	09.80'	5.5 gallons
8	10-15-85	09.79'	5.5 gallons
9	[illegible]	[illegible]	4.5 gallons
10	10-15-85	[illegible]	5.5 gallons

recycled paper

SAMPLING OF THE MONITORING WELLS

The samples to be analyzed for TCDD contamination were collected by Steve Hennigh and John Rickman of Durbin Contracting. The samples were collected in quart glass jars immediately after the wells were purged. The samples were packaged and sent to the Syntex laboratory in Palo Alto, California for analysis.

The priority pollutants samples were collected on October 16, 1985 by Barry Haynie of the National Analytical Lab of Tulsa, Oklahoma, under contract to Syntex. Samples were collected from monitoring wells 1, 2, 3, 4, 6, 7, 8, and 10. The samples collected from monitoring wells 1 and 10 will be analyzed as discrete samples. The remaining samples were composited in the follow manner:

Composite 1: monitoring wells 2, 3, and 4
Composite 2: monitoring wells 6, 7, and 8

The National Analytical Laboratory analyzed the samples for the following (Priority Pollutant +):

pH	Nitrate/N	Tox/4
conductivity	Phenols	As, Ba, Cd, Cr, Fe
Cl^-	TOC	Pb, Mn, Hg, Se, Ag, Na
Fl^-	Coli	H/P
SO^-_4		Gross Alpha, Beta, gamma, Radium (T)

The samples were preserved in the following manner:
Phenols - Copper sulfate and Sulfuric acid
Metals - nitric acid
Nitrate - Sulfuric acid
TOC - Sulfuric acid
All other samples - ice only

A summary of the samples collected by Syntex is listed on next page:

WELL #	SYNTEX SAMPLE NUMBER	DATE COLLECTED	ANALYSIS
1	01-10-15-85	10-15-85	TCDD
1	01-10-16-85	10-16-85	Priority Pollutants+
2	02-10-15-85	10-15-85	TCDD
2	02-10-16-85	10-16-85	Priority Pollutants+
3	03-10-15-85	10-15-85	TCDD
3	03-10-16-85	10-16-85	Priority Pollutants+
4	04-10-15-85	10-15-85	TCDD
4	04-10-16-85	10-16-85	Priority Pollutants+
5	05-10-15-85	10-15-85	TCDD
6	06-10-15-85	10-15-85	TCDD
6	06-10-16-85	10-16-85	Priority Pollutants+
7	07-10-15-85	10-15-85	TCDD
7	07-10-16-85	10-16-85	Priority Pollutants+
8	08-10-15-85	10-15-85	TCDD
8	08-10-16-85	10-16-85	Priority Pollutants+
9	09-10-15-85	10-15-85	TCDD
10	10-10-15-85	10-15-85	TCDD
10	10-10-16-85	10-16-85	Priority Pollutants+

SAMPLE SHIPMENT

The Syntex samples to be analyzed for TCDD were packaged and sent to the Syntex laboratory in Palo Alto, California. The samples to be analyzed for priority pollutants were taken to Barry Haynie to be delivered to the National Analytical Laboratory in Tulsa, Oklahoma. No split samples were requested or collected during this monthly sampling for Region VII EPA.

DECONTAMINATION

The samplers gloves were changed between monitoring wells to eliminate the potential for cross contamination. The exterior of the sample containers were cleaned using an isopropyl alcohol rinse.

LEVELS OF PROTECTION

The samplers were dressed in level-C protection. This level consisted of the following safety equipment:

- disposable Tyvek coveralls
- cotton glove liners
- nitrile outer gloves
- neoprene steel toe and shank boots
- half-face air purifying respirator with high efficiency organic vapor filter
- hard hat with face shield
- white coveralls, underclothing and socks

The EPA observer was dressed in level-D protection.

RESOURCES EXPENDED

A total of 26 hours were required to supervise the collection of the 10 groundwater samples at the Syntex Verona plant. This brings the total hours expended on the Syntex Compliance Monitoring TDD to 1580 hours.

NB/ct

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 7
25 FUNSTON ROAD
KANSAS CITY, KANSAS 66115

DATE: January 31, 1986

MEMORANDUM

SUBJECT: Syntex Agribusiness, Verona, Missouri

FROM: Charles P. Hensley CPH
Chief, EP&R/ENSV

TO: Robert L. Morby
Chief, SPFD/WSTM

Attached for your review is:

- [x] Data Transmittal
- [ ] Work Plan
- [ ] Trip Report
- [ ] Preliminary Assessment
- [ ] HRS Form with Supporting Documentation
- [ ] Final Report on a Full-Field Investigation

If you have any questions or comments, please contact Paul Doherty at 236-3888.

Attachments

cc: [ ] LABO

[ ] RCRA

[ ] SPFD

[ ] John C. Wicklund
Director, ENSV

sent
FEB 2 1986

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

DATE 1-30-86

SUBJECT Transmittal of Laboratory Data

FROM Bob Kleopfer RDK
Chief, Laboratory Branch, ENSV

TO Hensley

Analyses have been completed for the following activities and the data results are attached.

Activity No.	Description
BK651	Syntex
	(complete transmital)

Attachments

cc: Data Files

EPA Form 1010-2 (Rev. 3-73)

EPA REGION VII
DATA QUALIFICATION CODES

U - Compound was not detected.

M - Compound was qualitatively identified; however, quantitative value is less than contract required detection limits (CLP data); or value is less than limit of quantitation (EPA data).

J - Compound was qualitatively identified; however, compound failed to meet all QA criteria and therefore is only an estimated value.

I - Analysis attempted, but no results can be reported.

O - Sample lost or not analyzed.

L - Value known to be higher than value reported.

FIELD SHEET
U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII
ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

Site Name: SYNTEX FACILITY — Site Number: 51
Location: VERONA, MO — Site Code: SYN

Collected: YR: 85 MO: 11 Day: 14 Time: 0900 Leader: BLACKMAN

Sample Number: BK651001 SMO #:

Sample Media (circle one):
SOIL, DUST, RINSATE, SEDIMENT, (WATER), OTHER:_____

Sample Split (circle one): YES (NO)

Sample Container	Tag Color	Preservative	Analysis Requested
80 OZ JUG	BLUE	ICE	TCDD
2-80 OZ JUG	PURPLE	ICE	BNA/P

Depth: 10-15' Pan #:_____ Aliquots:_____

Samplers: Steve Hennigh
Bill Duchin

COMMENTS OF FIELD PERSONNEL

Site Description: Groundwater sample from Monitoring Well #1

IBM-PC

FIELD SHEET
U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII
ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

Site Name: SYNTEX FACILITY — Site Number: 51
Location: VERONA. MO — Site Code: SYN

Collected: YR: 85 MO: 11 Day: 14 Time: 1105 Leader: BLACKMAN

Sample Number: BK651002 SMO #:

Sample Media (circle one):
SOIL, DUST, RINSATE, SEDIMENT, (WATER), OTHER:_____

Sample Split (circle one): YES (NO)

Sample Container	Tag Color	Preservative	Analysis Requested
80 OZ JUG	BLUE	ICE	TCDD
2-80 OZ JUG	PURPLE	ICE	BNA/P

Depth: 10-15' Pan #:_____ Aliquots:_____

Samplers: Steve Henoigh
Bill Durbin

COMMENTS OF FIELD PERSONNEL

Site Description: Groundwater sample from Monitoring Well #5

IBM-PC

FIELD SHEET
U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII
ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

Site Name: SYNTEX FACILITY — Site Number: 51
Location: VERONA, MO — Site Code: SYN

Collected: YR: 85 MO: 11 Day: 14 Time: 1135 Leader: BLACKMAN

Sample Number: BK651003 SMO #:

Sample Media (circle one):
SOIL, DUST, RINSATE, SEDIMENT, (WATER) OTHER:_____

Sample Split (circle one): YES (NO)

Sample Container	Tag Color	Preservative	Analysis Requested
80 OZ JUG	BLUE	ICE	TCDD
2-80 OZ JUG	PURPLE	ICE	BNA/P

Depth: 10-15' Pan #:_____ Aliquots:_____

Samplers: Steve Hennigh
Bill Durbin

COMMENTS OF FIELD PERSONNEL

Site Description: Groundwater sample from Monitoring Well # 6

The sample had an odor and [illegible]

IBM-PC

FIELD SHEET
U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII
ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

Site Name: SYNTEX FACILITY — Site Number: 51
Location: VERONA. MO — Site Code: SYN

Collected: YR: 85 MO: 11 Day: 14 Time: 1515 Leader: BLACKMAN

Sample Number: BK651004 SMO #:

Sample Media (circle one):
SOIL, DUST, RINSATE, SEDIMENT, (WATER) OTHER:_____

Sample Split (circle one): YES (NO)

Sample Container	Tag Color	Preservative	Analysis Requested
80 OZ JUG	BLUE	ICE	TCDD
2-80 OZ JUG	PURPLE	ICE	BNA/P

Depth: 10-15' Pan #:_____ Aliquots:_____

Samplers: Steve Hesseigh
Bill Durbin

COMMENTS OF FIELD PERSONNEL

Site Description: Groundwater Sample from Monitoring Well # 7
The sample had an odor and foamed

IBM-PC

FIELD SHEET
U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII
ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

Site Name: SYNTEX FACILITY — Site Number: 51
Location: VERONA, MO — Site Code: SYN

Collected: YR: 85 MO: 11 Day: 14 Time: 1435 Leader: BLACKMAN

Sample Number: BK651005 SMO #:

Sample Media (circle one):
SOIL, DUST, RINSATE, SEDIMENT, (WATER) OTHER:_____

Sample Split (circle one): YES (NO)

Sample Container	Tag Color	Preservative	Analysis Requested
80 OZ JUG	BLUE	ICE	TCDD
2-80 OZ JUG	PURPLE	ICE	BNA/P

Depth: 10-15' Pan #:_____ Aliquots:_____

Samplers: Steve Hennigh
Bill Durbin

COMMENTS OF FIELD PERSONNEL

Site Description: Groundwater Sample from Monitoring Well # 8

IBM-PC

FIELD SHEET
U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII
ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

Site Name: SYNTEX FACILITY — Site Number: 51
Location: VERONA. MO — Site Code: SYN

Collected: YR: 85 MO: 11 Day: 14 Time: 1550 Leader: BLACKMAN

Sample Number: BK651006F — SMO #:

Sample Media (circle one):
SOIL, DUST, RINSATE, SEDIMENT, (WATER) OTHER:_____

Sample Split (circle one): YES (NO)

Sample Container	Tag Color	Preservative	Analysis Requested
80 OZ JUG	BLUE	ICE	TCDD
2-80 OZ JUG	PURPLE	ICE	BNA/P

Depth: N.A. Pan #:_____ Aliquots:_____

Samplers: Steve Henrich
Bill Durbin

COMMENTS OF FIELD PERSONNEL

Site Description: Field Blank
D.I. water pumped through well Wizard
from Monitoring Well #1

IBM-PC

DATABASE: SYN
REPORT FOR SITE: SYNTEX PROPERTY

SITE	EPA NO	DIOXIN VALUE	C	S	V	SAMPLED	DESCRIPTION
SYN	[illegible]51001	.001	U		V	11/14/85	GROUNDWATER SAMPLE FROM MONITORING WELL #1, 10-15' DEPTH
SYN	[illegible]51002	.002	U		V	11/14/85	GROUNDWATER SAMPLE FROM MONITORING WELL #5, 10-15' DEPTH
SYN	[illegible]51003	.001	U		V	11/14/85	GROUNDWATER SAMPLE FROM MONITORING WELL #6, 10-15' DEPTH
SYN	[illegible]51004	.001	U		V	11/14/85	GROUNDWATER SAMPLE FROM MONITORING WELL #7, 10-15' DEPTH
SYN	[illegible]51005	.002	U		V	11/14/85	GROUNDWATER SAMPLE FROM MONITORING WELL #8, 10-15' DEPTH
SYN	[illegible]51006F	.001	U		V	11/14/85	FIELD BLANK, DI WATER PUMPED THROUGH WELL WIZARD FROM MONITORING WELL #1

ANALYSIS TYPE: SEMIVOLATILES (PAGE 1)

TITLE: SYNTEX
LAB: LAU
SAMPLE PREP:_____ ANALYST/ENTRY: E34

MATRIX: WATER
METHOD: 9521M02
REVIEWER: _____

UNITS: UG/L
CASE: 5275
DATE: 01/08/86

SAMPLE NUMBERS

COMPOUND	BK651001		BK651002		BK651003		BK651004	
N-NITROSODIMETHYLAMINE		I		I		I		I
PHENOL	14.0	U		I	6.00	M	10.0	U
ANILINE		I		I		I		I
BIS(2-CHLOROETHYL) ETHER	14.0	U	10.0	U	10.0	U	10.0	U
2-CHLOROPHENOL	14.0	U		I	10.0	U	10.0	U
1,3 DICHLOROBENZENE	14.0	U	10.0	U	14.0	J	11.0	J
1,4 DICHLOROBENZENE	14.0	U	26.0	J	160	J	160	J
BENZYL ALCOHOL	14.0	U	10.0	U	10.0	U	10.0	U
1,2 DICHLOROBENZENE	14.0	U	10.0	U	33.0	J	11.0	J
2-METHYLPHENOL	14.0	U		I	10.0	U	10.0	U
BIS(2-CHLOROISOPROPYL)ETHER	14.0	U	10.0	U	10.0	U	10.0	U
4-METHYLPHENOL	14.0	U		I	7.00	M	10.0	U
N-NITROSO-DIPROPYLAMINE	14.0	U	10.0	U	10.0	U	10.0	U
HEXACHLOROETHANE	14.0	U	10.0	U	10.0	U	10.0	U
NITROBENZENE	14.0	U	10.0	U	10.0	U	10.0	U
ISOPHORONE	14.0	U	10.0	U	10.0	U	10.0	U
2-NITROPHENOL	14.0	U		I	10.0	U	10.0	U
2,4-DIMETHYLPHENOL	14.0	U		I	10.0	U	10.0	U
BENZOIC ACID	70.0	U		I	64.0	J	50.0	U
BIS(2-CHLOROETHOXY) METHANE	14.0	U	10.0	U	10.0	U	10.0	U
2,4 DICHLOROPHENOL	14.0	U		I	47.0	J	10.0	U
1,2,4-TRICHLOROBENZENE	14.0	U	10.0	U	10.0	U	10.0	U
NAPHTHALENE	14.0	U	10.0	U	5.00	M	10.0	U
4-CHLOROANILINE	14.0	U	10.0	U	10.0	U	10.0	U
HEXACHLOROBUTADIENE	14.0	U	10.0	U	10.0	U	10.0	U
4-CHLORO-3-METHYLPHENOL	14.0	U		I	10.0	U	10.0	U
2-METHYLNAPHTHALENE	14.0	U	10.0	U	4.00	M	10.0	U
HEXACHLOROCYCLOPENTADIENE	14.0	U	10.0	U	10.0	U	10.0	U
2,4,6-TRICHLOROPHENOL	14.0	U		I	10.0	U	10.0	U
2,4,5-TRICHLOROPHENOL	70.0	U		I	50.0	U	50.0	U
2-CHLORONAPHTHALENE	14.0	U	10.0	U	10.0	U	10.0	U
2-NITROANILINE	70.0	U	50.0	U	50.0	U	50.0	U
DIMETHYLPHTHALATE	14.0	U	10.0	U	10.0	U	10.0	U
ACENAPHTHYLENE	14.0	U	10.0	U	10.0	U	10.0	U
3-NITROANILINE	70.0	U	50.0	U	50.0	U	50.0	U
ACENAPHTHENE	14.0	U	10.0	U	10.0	U	10.0	U
2,4-DINITROPHENOL	14.0	U		I	10.0	U	10.0	U
4-NITROPHENOL	70.0	U		I	50.0	U	50.0	U
DIBENZOFURAN	14.0	U	10.0	U	10.0	U	10.0	U
2,4-DINITROTOLUENE	14.0	U	10.0	U	10.0	U	10.0	U

ANALYSIS TYPE: SEMIVOLATILES (PAGE 2)

TITLE: SYNTEX
LAB: LAU
SAMPLE PREP:_____ ANALYST/ENTRY: E35

MATRIX: WATER
METHOD: 9521M08
REVIEWER: _____

UNITS: UG/L
CASE: 5275
DATE: 01/08/86

SAMPLE NUMBERS

COMPOUND	BK651001		BK651002		BK651003		BK651004	
2,6-DINITROTOLUENE	10.0	U	10.0	U	10.0	U	10.0	U
DIETHYLPHTHALATE	10.0	U	10.0	U	10.0	U	10.0	U
4-CHLOROPHENYL PHENYL ETHER	10.0	U	10.0	U	10.0	U	10.0	U
FLUORENE	10.0	U	10.0	U	10.0	U	10.0	U
4-NITROANILINE	50.0	U	50.0	U	50.0	U	50.0	U
4,6-DINITRO-2-METHYLPHENOL	50.0	U		I	50.0	U	50.0	U
N-NITROSODIPHENYLAMINE	10.0	U	10.0	U	10.0	U	10.0	U
4-BROMOPHENYL PHENYL ETHER	10.0	U	10.0	U	10.0	U	10.0	U
HEXACHLOROBENZENE	10.0	U	10.0	U	10.0	U	10.0	U
PENTACHLOROPHENOL	50.0	U		I	50.0	U	50.0	U
PHENANTHRENE	10.0	U	10.0	U	10.0	U	10.0	U
ANTHRACENE	10.0	U	10.0	U	10.0	U	10.0	U
DI-N-BUTYLPHTHALATE	10.0	U	10.0	U	10.0	U	10.0	U
FLUORANTHENE	10.0	U	10.0	U	10.0	U	10.0	U
BENZIDINE		I		I		I		I
PYRENE	10.0	U	10.0	U	10.0	U	10.0	U
BUTYL BENZYL PHTHALATE	10.0	U	10.0	U	10.0	U	10.0	U
3,3' DICHLOROBENZIDINE	20.0	U	20.0	U	20.0	U	20.0	U
BENZO(A)ANTHRACENE	10.0	U	10.0	U	10.0	U	10.0	U
BIS(2-ETHYLHEXYL)PHTHALATE	10.0	U	19.0	U	10.0	U	10.0	U
CHRYSENE	10.0	U	10.0	U	10.0	U	10.0	U
DI-N-OCTYL PHTHALATE	10.0	U	10.0	U	10.0	U	10.0	U
BENZO(B)FLUORANTHENE	10.0	U	10.0	U	10.0	U	10.0	U
BENZO(K)FLUORANTHENE	10.0	U	10.0	U	10.0	U	10.0	U
BENZO(A)PYRENE	10.0	U	10.0	U	10.0	U	10.0	U
INDENO(1,2,3-CD)PYRENE	10.0	U	10.0	U	10.0	U	10.0	U
DIBENZO(A,H)ANTHRACENE	10.0	U	10.0	U	10.0	U	10.0	U
BENZO(G,H,I)PERYLENE	10.0	U	10.0	U	10.0	U	10.0	U

ANALYSIS TYPE: SEMIVOLATILES (PAGE 1)

TITLE: SYNTEX
LAB: LAU
SAMPLE PREP:_____ ANALYST/ENTRY: E37

MATRIX: WATER
METHOD: 9521M00
REVIEWER: _____

UNITS: UG/L
CASE: 5276
DATE: 01/08/86

SAMPLE NUMBERS

COMPOUND	BK651005		BK651006F	
N-NITROSODIMETHYLAMINE		I		I
PHENOL		I	10.0	U
ANILINE		I		I
BIS(2-CHLOROETHYL) ETHER	10.0	U	10.0	U
2-CHLOROPHENOL		I	10.0	U
1,3 DICHLOROBENZENE	10.0	U	10.0	U
1,4 DICHLOROBENZENE	10.0	U	10.0	U
BENZYL ALCOHOL	10.0	U	10.0	U
1,2 DICHLOROBENZENE	10.0	U	10.0	U
2-METHYLPHENOL		I	10.0	U
BIS(2-CHLOROISOPROPYL)ETHER	10.0	U	10.0	U
4-METHYLPHENOL		I	10.0	U
N-NITROSO-DIPROPYLAMINE	10.0	U	10.0	U
HEXACHLOROETHANE	10.0	U	10.0	U
NITROBENZENE	10.0	U	10.0	U
ISOPHORONE	10.0	U	10.0	U
2-NITROPHENOL		I	10.0	U
2,4-DIMETHYLPHENOL		I	10.0	U
BENZOIC ACID		I	50.0	U
BIS(2-CHLOROETHOXY) METHANE	10.0	U	10.0	U
2,4 DICHLOROPHENOL		I	10.0	U
1,2,4-TRICHLOROBENZENE	10.0	U	10.0	U
NAPHTHALENE	10.0	U	10.0	U
4-CHLOROANILINE	10.0	U	10.0	U
HEXACHLOROBUTADIENE	10.0	U	10.0	U
4-CHLORO-3-METHYLPHENOL		I	10.0	U
2-METHYLNAPHTHALENE	10.0	U	10.0	U
HEXACHLOROCYCLOPENTADIENE	10.0	U	10.0	U
2,4,6-TRICHLOROPHENOL		I	10.0	U
2,4,5-TRICHLOROPHENOL		I	50.0	U
2-CHLORONAPHTHALENE	10.0	U	10.0	U
2-NITROANILINE	50.0	U	50.0	U
DIMETHYLPHTHALATE	10.0	U	10.0	U
ACENAPHTHYLENE	10.0	U	10.0	U
3-NITROANILINE	50.0	U	50.0	U
ACENAPHTHENE	10.0	U	10.0	U
2,4-DINITROPHENOL		I	10.0	U
4-NITROPHENOL		I	50.0	U
DIBENZOFURAN	10.0	U	10.0	U
2,4-DINITROTOULENE	10.0	U	10.0	U

ANALYSIS TYPE: SEMIVOLATILES (PAGE 2)

TITLE: SYNTEX
LAB: LAU
SAMPLE PREP:_____ ANALYST/ENTRY: E38

MATRIX: WATER
METHOD: 9521M00
REVIEWER: _____

UNITS: UG/L
CASE: 5276
DATE: 01/08/86

SAMPLE NUMBERS

COMPOUND	BK651005		BK651006F	
2,6-DINITROTOLUENE	10.0	U	10.0	U
DIETHYLPHTHALATE	10.0	U	10.0	U
4-CHLOROPHENYL PHENYL ETHER	10.0	U	10.0	U
FLUORENE	10.0	U	10.0	U
4-NITROANILINE	50.0	U	50.0	U
4,6-DINITRO-2-METHYLPHENOL		I	50.0	U
N-NITROSODIPHENYLAMINE	10.0	U	10.0	U
4-BROMOPHENYL PHENYL ETHER	10.0	U	10.0	U
HEXACHLOROBENZENE	10.0	U	10.0	U
PENTACHLOROPHENOL		I	50.0	U
PHENANTHRENE	10.0	U	10.0	U
ANTHRACENE	10.0	U	10.0	U
DI-N-BUTYLPHTHALATE	10.0	U	10.0	U
FLUORANTHENE	10.0	U	10.0	U
BENZIDINE		I		I
PYRENE	10.0	U	10.0	U
BUTYL BENZYL PHTHALATE	10.0	U	10.0	U
3,3' DICHLOROBENZIDINE	20.0	U	20.0	U
BENZO(A)ANTHRACENE	10.0	U	10.0	U
BIS(2-ETHYLHEXYL)PHTHALATE	24.0	U	~~84.0~~ 110	Dm
CHRYSENE	10.0	U	10.0	U
DI-N-OCTYL PHTHALATE	10.0	U	10.0	U
BENZO(B)FLUORANTHENE	10.0	U	10.0	U
BENZO(K)FLUORANTHENE	10.0	U	10.0	U
BENZO(A)PYRENE	10.0	U	10.0	U
INDENO(1,2,3-CD)PYRENE	10.0	U	10.0	U
DIBENZO(A,H)ANTHRACENE	10.0	U	10.0	U
BENZO(G,H,I)PERYLENE	10.0	U	10.0	U

TITLE: SYNTEX
LAB: LAU
ANALYST/ENTRY: LT

MATRIX: WATER
METHOD: 9521M00
REVIEWER: GS

UNITS: UG/L
CASE: 5275
DATE: 01/08/86

TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.	COMPOUND NAME**	FRACTION	EST.	CONC.*
BK651002	ETHANONE,1-(1-METHYL-2CYCLO-PENTENE-1-YL)-	BNA	36	J
BK651002	ETHANONE,1-(1-METHYL-2CYCLO-PENTENE-1-YL)-	BNA	10	J
BK651002	BENZENE,1,1-OXYBIS-	BNA	29	J
BK651002	HEXANEDIOIC ACID,DIOCTYLESTER	BNA	101	J
BK651003	BENZENE, CHLORO-	BNA	48	J
BK651003	BENZENE, ETHYL-	BNA	68	J
BK651003	BENZENE, 1,2-DIMETHYL-	BNA	156	J
BK651003	BENZENE, 1,2-DIMETHYL-	BNA	119	J
BK651003	BENZENE, (1-METHYLETHYL)-	BNA	15	J
BK651003	BENZENE, 1,2,3,-TRIMETHYL	BNA	23	J
BK651003	BENZENE, 4-ETHYL-1,2-DIMETHYL	BNA	19	J
BK651003	PHENOL, 4-CHLORO-	BNA	110	J
BK651003	BENZENEACETIC ACID	BNA	9	J
BK651003	BENZENEACETIC ACID	BNA	31	J
BK651003	BENZENE, 1,1'-OXYBIS-	BNA	120	J
BK651004	BENZENE, CHLORO-	BNA	22	J
BK651004	BENZENE, ETHYL-	BNA	14	J
BK651004	BENZENE, 1,2-DIMETHYL-	BNA	30	J
BK651004	BENZENE, 1,1'-OXYBIS-	BNA	34	J
BK651006F	HEXANEDIOIC ACID, DIOCTYLESTER	BNA	386	J
BK651001	1 UNKNOWN	BNA	27	J
BK651002	4 UNKNOWNS	BNA	24-139	J
BK651003	14 UNKNOWNS	BNA	8-129	J
BK651004	16 UNKNOWNS	BNA	5-48	J
BK651005	4 UNKNOWNS	BNA	10-50	J

*This is a crude estimation based on response relative to an internal standard. An authentic standard has not been run.

**The compounds were identified using a library search routine. Authentic standards have not been analyzed to verify compound mass spectra and retention times.

ANALYSIS TYPE: PESTICIDES

TITLE: SYNTEX
LAB: LAU
SAMPLE PREP:_____ ANALYST/ENTRY: E36

MATRIX: WATER
METHOD: 9521M00
REVIEWER: _____

UNITS: UG/L
CASE: 5275
DATE: 01/08/86

SAMPLE NUMBERS

COMPOUND	BK651001		BK651002		BK651003		BK651004	
ALPHA-BHC	0.05	U	0.05	U	0.05	U	0.05	U
BETA-BHC	0.05	U	0.05	U	0.05	U	0.05	U
DELTA-BHC	0.05	U	0.05	U	0.05	U	0.05	U
GAMMA-BHC	0.05	U	0.05	U	0.05	U	0.05	U
HEPTACHLOR	0.05	U	0.05	U	0.05	U	0.05	U
ALDRIN	0.05	U	0.05	U	0.05	U	0.05	U
HEPTACHLOR EPOXIDE	0.05	U	0.05	U	0.05	U	0.05	U
ENDOSULFAN I	0.05	U	0.05	U	0.05	U	0.05	U
DIELDRIN	0.1	U	0.1	U	0.1	U	0.1	U
4,4'-DDE	0.1	U	0.1	U	0.1	U	0.1	U
ENDRIN	0.1	U	0.1	U	0.1	U	0.1	U
ENDOSULFAN II	0.1	U	0.1	U	0.1	U	0.1	U
4,4'-DDD	0.1	U	0.1	U	0.1	U	0.1	U
ENDRIN ALDEHYDE	0.1	U	0.1	U	0.1	U	0.1	U
ENDOSULFAN SULFATE	0.1	U	0.1	U	0.1	U	0.1	U
4,4'-DDT	0.1	U	0.1	U	0.1	U	0.1	U
ENDRIN KETONE	0.1	U	0.1	U	0.1	U	0.1	U
METHOXYCHLOR	0.5	U	0.5	U	0.5	U	0.5	U
CHLORDANE	0.5	U	0.5	U	0.5	U	0.5	U
TOXAPHENE	1.00	U	1.00	U	1.00	U	1.00	U
AROCLOR-1016	0.5	U	0.5	U	0.5	U	0.5	U
AROCLOR-1221	0.5	U	0.5	U	0.5	U	0.5	U
AROCLOR-1232	0.5	U	0.5	U	0.5	U	0.5	U
AROCLOR-1242	0.5	U	0.5	U	0.5	U	0.5	U
AROCLOR-1248	0.5	U	0.5	U	0.5	U	0.5	U
AROCLOR-1254	1.00	U	1.00	U	1.00	U	1.00	U
AROCLOR-1260	1.00	U	1.00	U	1.00	U	1.00	U

ANALYSIS TYPE: PESTICIDES

TITLE: SYNTEX
LAB: LAU
SAMPLE PREP:_____ ANALYST/ENTRY: E39

MATRIX: WATER
METHOD: 9521M00
REVIEWER: _____

UNITS: UG/L
CASE: 5276
DATE: 01/08/86

SAMPLE NUMBERS

COMPOUND	BK651005		BK651006F	
ALPHA-BHC	0.05	U	0.05	U
BETA-BHC	0.05	U	0.05	U
DELTA-BHC	0.05	U	0.05	U
GAMMA-BHC	0.05	U	0.05	U
HEPTACHLOR	0.05	U	0.05	U
ALDRIN	0.05	U	0.05	U
HEPTACHLOR EPOXIDE	0.05	U	0.05	U
ENDOSULFAN I	0.05	U	0.05	U
DIELDRIN	0.1	U	0.1	U
4,4'-DDE	0.1	U	0.1	U
ENDRIN	0.1	U	0.1	U
ENDOSULFAN II	0.1	U	0.1	U
4,4'-DDD	0.1	U	0.1	U
ENDRIN ALDEHYDE	0.1	U	0.1	U
ENDOSULFAN SULFATE	0.1	U	0.1	U
4,4'-DDT	0.1	U	0.1	U
ENDRIN KETONE	0.1	U	0.1	U
METHOXYCHLOR	0.5	U	0.5	U
CHLORDANE	0.5	U	0.5	U
TOXAPHENE	1.00	U	1.00	U
AROCLOR-1016	0.5	U	0.5	U
AROCLOR-1221	0.5	U	0.5	U
AROCLOR-1232	0.5	U	0.5	U
AROCLOR-1242	0.5	U	0.5	U
AROCLOR-1248	0.5	U	0.5	U
AROCLOR-1254	1.00	U	1.00	U
AROCLOR-1260	1.00	U	1.00	U

Case No.: 5275 Laboratory: LAU

Contract No.: 68-01-7024 Method No.: 9521M00

SMO No.: G2026-32 EPA No.: BK651001-07P

Site: Syntex Matrix: Water

We have reviewed the above case. The following are our findings:

1. Technical holding times were exceeded in this data package for semi-volatiles and pesticides. The samples were collected on 11/14/85 and shipped to the lab on 11/22/85. Initial extractions were performed on 11/27-28/85; reextractions were performed on 12/12/85. Data review protocol requires "J" coding positive compound levels reported above the CRDLs.

2. Positive levels of bis(2-ethylhexyl)phthalate, the greatest of which (109 PPB) was found in the field blank, were contained in blanks associated with this data set. A 10X rule was applied to qualify positive levels of bis(2-ethylhexyl)phthalate in the samples.

3. All compounds contained in audit OCLP028401 (BK651007P/G2032) were qualitatively identified, except for PCB 1254, which was reported at less than the CRDL.

4. Reanalyses were performed on several samples because acid surrogate percent recoveries were outside of control windows. Of the reanalyses, BK651002 and -005 failed to improve surrogate recovery. All data for the reanalyzed samples were included in this data report. The compounds corresponding to the acids portion in samples BK651002 and -005 were invalidated.

ecology and environment, inc.
FAIRWAY WEST OFFICE BLDG., 4350 SHAWNEE MISSION PARKWAY, SHAWNEE MISSION, KS 66205, TEL. 913-432-9961
International Specialists in the Environment

MEMORANDUM

TO: Paul Doherty, ARPO

THRU: James Buchanan, RPM

FROM: Nancy Blackman, E&E/FIT

DATE: February 11, 1986

SUBJECT: Trip Report for compliance monitoring of groundwater sampling at the Syntex plant in Verona, Missouri
TDD # R07-8408-23A

INTRODUCTION

The Ecology and Environment Field Investigation Team (E&E/FIT) was tasked under Technical Directive Document (TDD) R07-8408-23A to provide technical supervision during the implementation of the Syntex Verona Sampling Plan. The final phase of the sampling plan involved the collection of groundwater samples from ten monitoring wells previously installed (see the Syntex Compliance Monitoring Trip Report TDD # R07-8408-23 for details on the well installation). Sampling of the wells will be performed monthly for the first three months and then quarterly for the first year. This report discusses the third quarterly sampling effort.

PURGING OF THE WELLS

The monitoring wells were purged using the stainless steel Well Wizard pumps previously installed in each well. The initial water level was taken at each well and then three well volumes of water were removed.

WELL #	DATE PURGED	INITIAL WATER LEVEL (from top of casing)	VOLUME REMOVED
1	01-13-86	10.75'	7.0 gallons
2	01-13-86	08.38'	6.0 gallons
3	01-13-86	11.00'	5.0 gallons
4	01-13-86	10.63'	5.0 gallons
5	01-13-86	10.75'	5.5 gallons
6	01-13-86	09.55'	5.5 gallons
7	01-13-86	09.72'	5.0 gallons
8	01-13-86	10.13'	5.0 gallons
9	01-13-86	11.00'	6.0 gallons
10	01-13-86	[illegible]	6.0 gallons

recycled paper

SAMPLING OF THE MONITORING WELLS

The samples to be analyzed for TCDD contamination were collected by Steve Hennigh and Bill Durbin of Durbin Contracting. The samples were collected in quart glass jars immediately after the wells were purged. The samples were packaged and sent to the Syntex laboratory in Palo Alto, California for analysis.

The priority pollutants samples were collected on January 14, 1986 by Barry Haynie of the National Analytical Lab of Tulsa, Oklahoma, under contract to Syntex. Samples were collected from monitoring wells 1, 2, 3, 4, 6, 7, 8, and 10. The samples collected from monitoring wells 1 and 10 will be analyzed as discrete samples. The remaining samples were composited in the follow manner:

Composite 1: monitoring wells 2, 3, and 4
Composite 2: monitoring wells 6, 7, and 8

The National Analytical Laboratory will analyze the samples for the following (Priority Pollutant +):

pH	Nitrate	Tox
conductivity	Phenols	Metals
chloride	TOC	Gross Alpha, Beta & gamma, Radium (T)
fluoride	Coli	
sulfate		

The samples were preserved in the following manner:

Phenols - Copper sulfate and Sulfuric acid
Metals - nitric acid
Nitrate - Sulfuric acid
TOC - Sulfuric acid
All other samples - ice only

A summary of the samples collected by Syntex is listed on the next page:

WELL #	SYNTEX SAMPLE NUMBER	DATE COLLECTED	ANALYSIS
1	01-01-13-86	01-13-86	TCDD
1	01-01-14-86	01-14-86	Priority Pollutants+
2	02-01-13-86	01-13-86	TCDD
2	02-01-14-86	01-14-86	Priority Pollutants+ (to be composited with Wells 3 and 4)
3	03-01-13-86	01-13-86	TCDD
3	03-01-14-86	01-14-86	Priority Pollutants+ (to be composited with Wells 2 and 4)
4	04-01-13-86	01-13-86	TCDD
4	04-01-14-86	01-14-86	Priority Pollutants+ (to be composited with Wells 2 and 3)
5	05-01-13-86	01-13-86	TCDD
6	06-01-13-86	01-13-86	TCDD
6	06-01-14-86	01-14-86	Priority Pollutants+ (to be composited with Wells 7 and 8)
7	07-01-13-86	01-13-86	TCDD
7	07-01-14-86	01-14-86	Priority Pollutants+ (to be composited with Wells 6 and 8)
8	08-01-13-86	01-13-86	TCDD
8	08-01-14-86	01-14-86	Priority Pollutants+ (to be composited with Wells 6 and 7)
9	09-01-13-86	01-13-86	TCDD
10	10-01-13-86	01-13-86	TCDD
10	10-01-14-86	01-14-86	Priority Pollutants+

Split samples were collected from monitoring wells 1,5,6,7 and 8 for the Region VII EPA. The samples were collected in 3-80 oz. jugs per sample and will be analyzed for TCDD and base/neutrals, acid and pesticides (B/N,A,P). A field blank was collected by removing the Well Wizard from monitoring well #1 and pumping deionized water through the decontaminated pump. A summary of the split samples collected for the EPA is listed below:

WELL #	EPA SAMPLE NUMBER	DATE COLLECTED	ANALYSIS
1	CK651001	01-14-86	TCDD, B/N, A, P
5	CK651002	01-14-86	TCDD, B/N, A, P
[illegible]	[illegible]	[illegible]	[illegible]
7	[illegible]	[illegible]	TCDD, B/N, A, P
8	[illegible]	01-14-86	TCDD, B/N, A, P
Field Blank	[illegible]	[illegible]	TCDD, B/N, A, P

SAMPLE SHIPMENT

The Syntex samples to be analyzed for TCDD were packaged and sent to the Syntex laboratory in Palo Alto, California. The samples to be analyzed for priority pollutants were taken to Barry Haynie to be delivered to the National Analytical Laboratory in Tulsa, Oklahoma. The EPA split samples were packed in coolers and delivered to the Region VII EPA laboratory by Nancy Blackman E&E/FIT on Friday, January 17, 1986.

DECONTAMINATION

The samplers gloves were decontaminated between samples using an isopropyl alcohol rinse. The exterior of the sample containers were decontaminated in the same manner.

LEVELS OF PROTECTION

The samplers were dressed in level-C protection. This level consisted of the following safety equipment:

- disposable Tyvek coveralls
- cotton glove liners
- nitrile outer gloves
- neoprene steel toe and shank boots
- half-face air purifying respirator with high efficiency organic vapor filter
- white coveralls, underclothing and socks

The E&E observer was dressed in level-D protection.

ADDITIONAL ACTIVITIES

Syntex has identified three additional tanks that may have been used by NEPACCO. The contents of the tanks are being placed in 55 gallon drums for storage and future disposal. The tanks will then be cut up and placed in drums. Photos 1-5 show the tanks of concern.

RESOURCES EXPENDED

A total of 29 hours were required to supervise the collection of the 10 groundwater samples at the Syntex Verona plant. This brings the total hours expended on the Syntex Compliance Monitoring TDD modification to 47 hours.

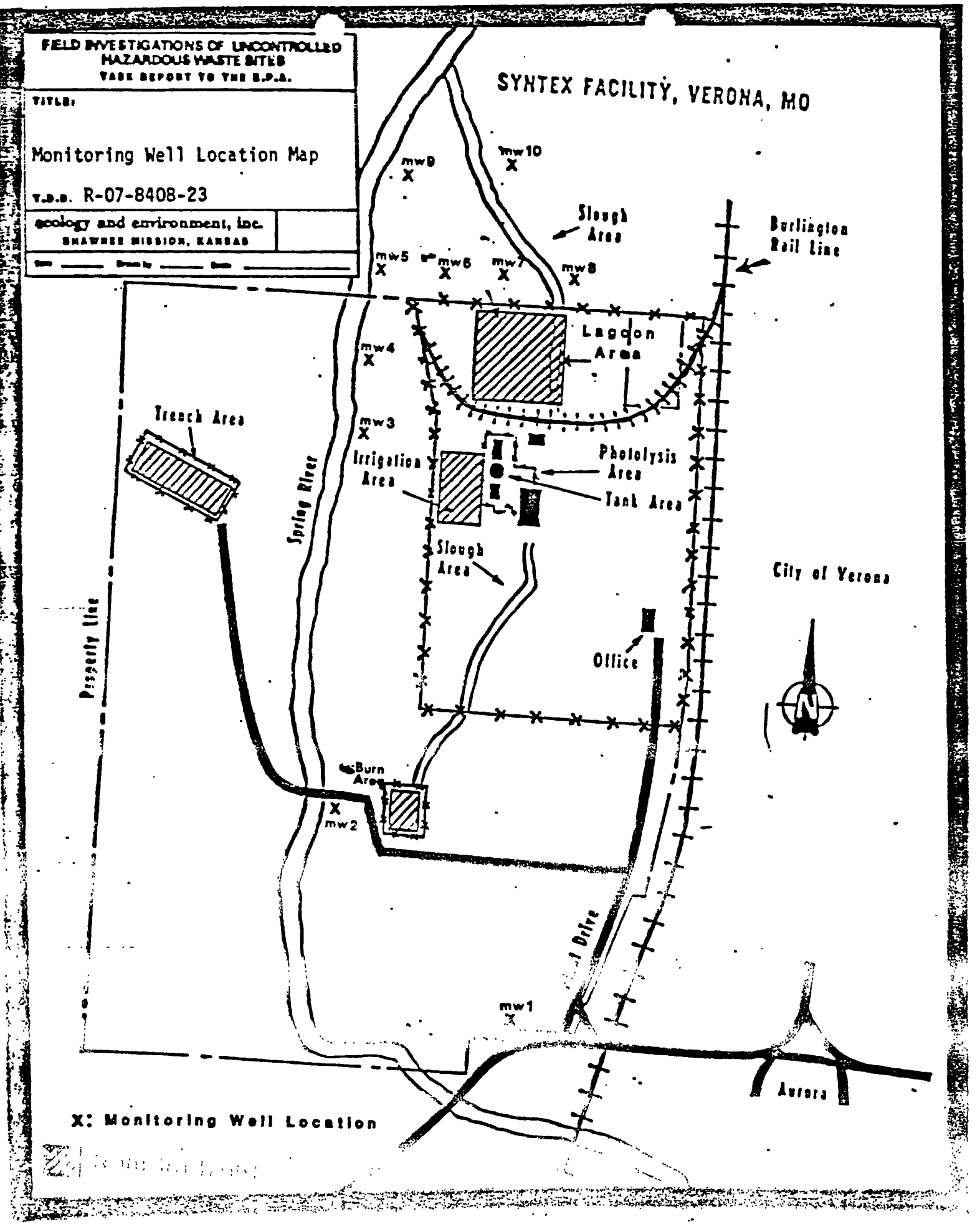
FIELD INVESTIGATIONS OF UNCONTROLLED HAZARDOUS WASTE SITES
TASK REPORT TO THE E.P.A.

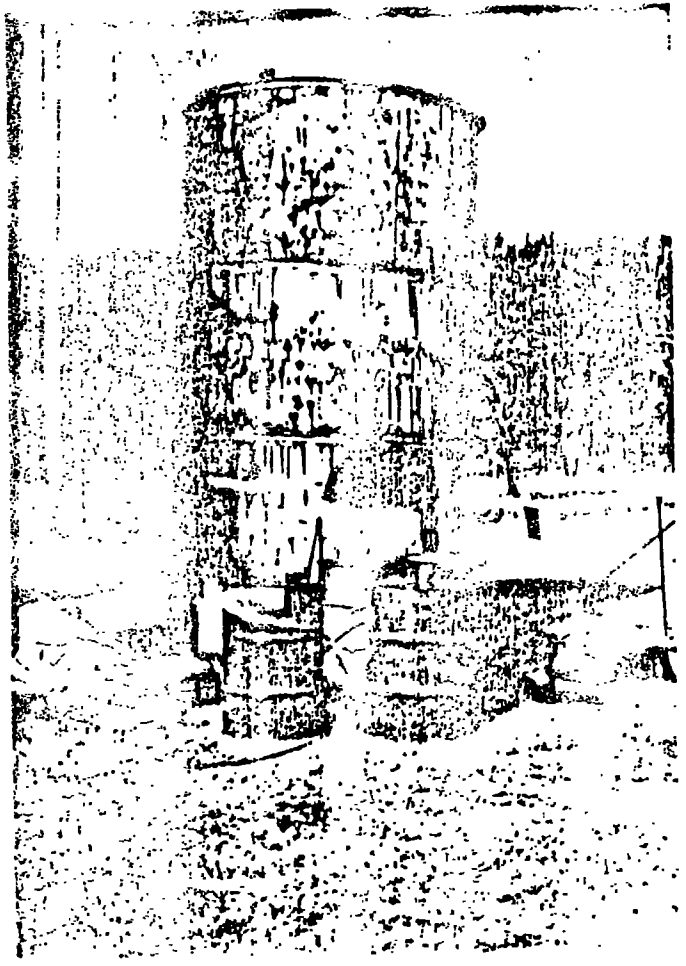
TITLE:

Monitoring Well Location Map

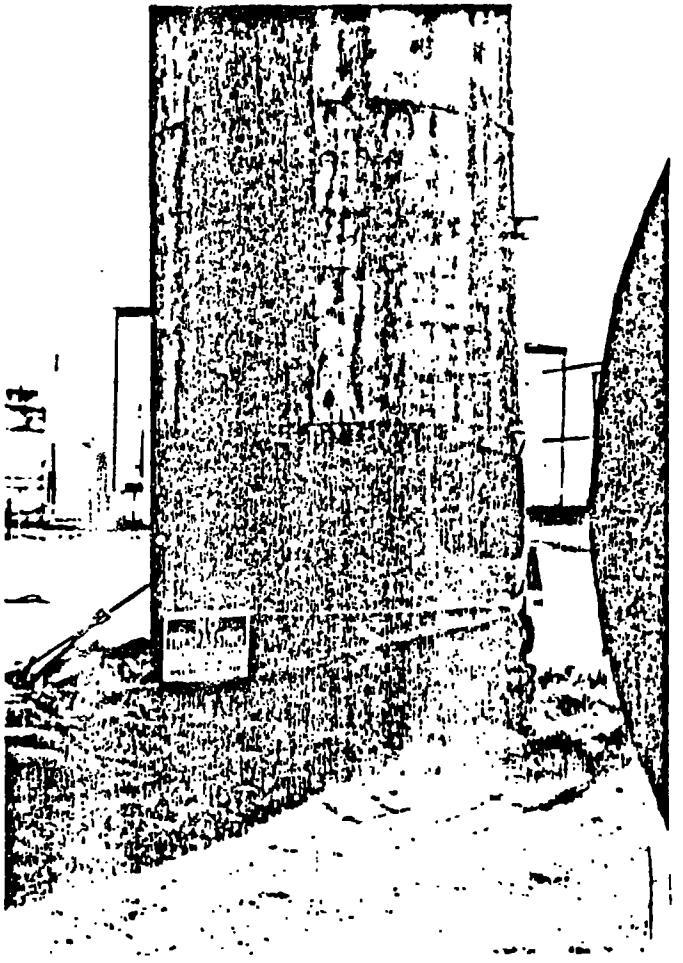
T.D.D. R-07-8408-23

ecology and environment, inc.
SHAWNEE MISSION, KANSAS

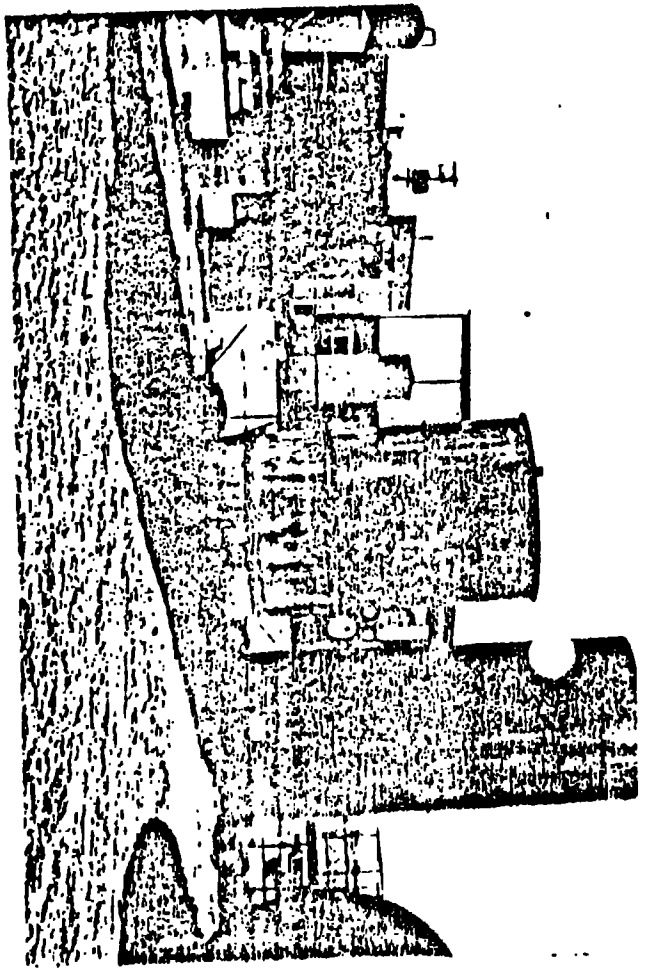




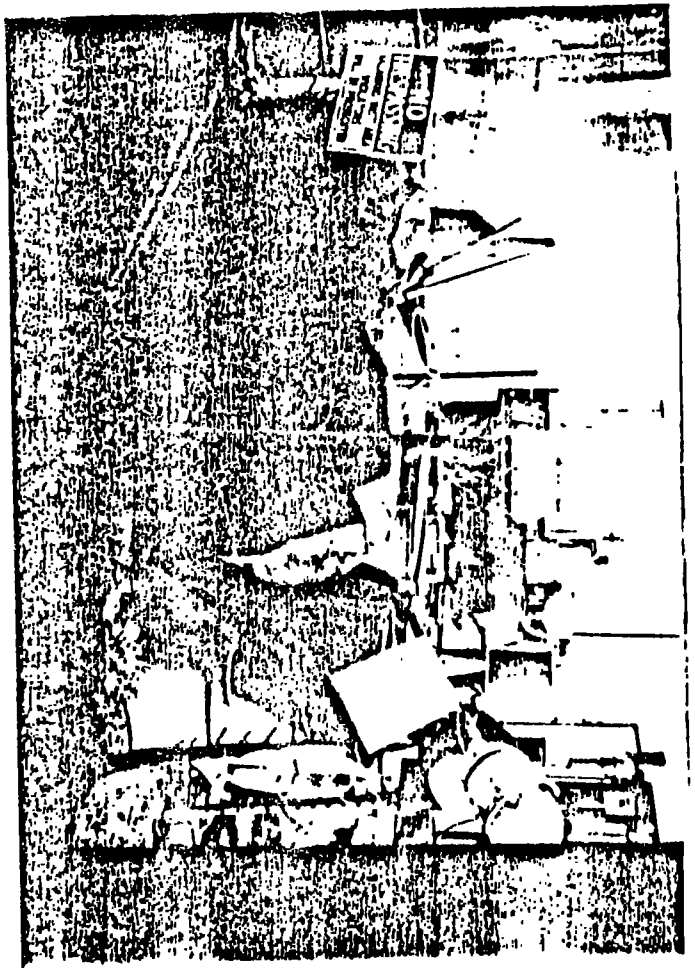
Tank believed used by NEPACCO
1/14/86 SE 1102 hrs



Tank believed used by NEPACCO
1/14/86 NW 1100 hrs



Tanks to be emptied and cut up
1/14/86 SE 1104 hrs



small tank to be emptied
1/14/86 N 1108 hrs

Material being removed from a small tank and drummed for storage and future disposal.
1/14/86 W 1106 hrs

CHAIN OF CUSTODY RECORD
ENVIRONMENTAL PROTECTION AGENCY REGION VII

ACTIVITY LEADER(Print)	NAME OF SURVEY OR ACTIVITY	DATE OF COLLECTION (DAY / MONTH / YEAR)	SHEET
Nancy Blackman	Syntex Facility	14 / 1 / 86	1 of 1

CONTENTS OF SHIPMENT Water Samples from Syntex Verona, MO Plant

SAMPLE NUMBER	TYPE OF CONTAINERS: CONTAINER	BOTTLE (8oz)	BOTTLE	BOTTLE	VOA SET (2 VIALS EA)	SAMPLED MEDIA: water	soil	sediment	dust	other	RECEIVING LABORATORY REMARKS/OTHER INFORMATION (condition of samples upon receipt, other sample numbers, etc.)
	NUMBERS OF CONTAINERS PER SAMPLE NUMBER										
CK651001		3				X					
CK651002		3				X					
CK651003		3				X					
CK651004		3				X					
CK651005		3				X					
CK651006F		3				X					

DESCRIPTION OF SHIPMENT

____ PIECE(S) CONSISTING OF ____ BOX(ES)

5 ICE CHEST(S), OTHER ____

MODE OF SHIPMENT

____ COMMERCIAL CARRIER ____

____ COURIER

✓ SAMPLER CONVEYED

(SHIPPING DOCUMENT NUMBER)

PERSONNEL CUSTODY RECORD

RELINQUISHED BY (SAMPLER)	DATE	TIME	RECEIVED BY	REASON FOR CHANGE OF CUSTODY
[signature] ☐ SEALED ☐ UNSEALED	1-14-86	1640	[signature] ☐ SEALED ☐ UNSEALED	Transfer from sampler for delivery to Region VII Laboratory
RELINQUISHED BY	DATE	TIME	RECEIVED BY	REASON FOR CHANGE OF CUSTODY
[signature] ☐ SEALED ☐ UNSEALED	1-17-86	0700	[signature]	
RELINQUISHED BY	DATE	TIME	RECEIVED BY	REASON FOR CHANGE OF CUSTODY
☐ SEALED ☐ UNSEALED			☐ SEALED ☐ UNSEALED	

7-EPA-9262(Revised 5/85)

FIELD SHEET
U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII
ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

Site Name: SYNTEX FACILITY — Site Number: 51
Location: VERONA, MO — Site Code: SYN

Collected: YR: 86 MO: 01 Day: 14 Time: ~~1430~~ 1600 Leader: BLACKMAN

Sample Number: CK651002 SMO #:

Sample Media (circle one):
SOIL, DUST, RINSATE, SEDIMENT, (WATER) OTHER:_____

Sample Split (circle one): YES (NO)

Sample Container	Tag Color	Preservative	Analysis Requested
1-80 OZ JAR	BLUE	ICE	TCDD
2-80 OZ JUGS	PURPLE	ICE	B/N.A.P

Depth: 10-15' Pan #:_____ Aliquots:_____

Samplers: Barry Haynie - VAL
Steve Hennigh - Durbin

COMMENTS OF FIELD PERSONNEL

Site Description: Sample from MW 8 (Floe)

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FIELD SHEET
U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII
ENVIRONMENTAL SERVICE DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

Site Name: SYNTEX FACILITY — Site Number: 51
Location: VERONA, MO — Site Code: SYN

Collected: YR: 86 MO: 01 Day: 14 Time: 1430 Leader: BLACKMAN

Sample Number: CK651003 SMO #:

Sample Media (circle one):
SOIL, DUST, RINSATE, SEDIMENT, (WATER), OTHER:_____

Sample Split (circle one): YES (NO)

Sample Container	Tag Color	Preservative	Analysis Requested
1-80 OZ JAR	BLUE	ICE	TCDD
2-80 OZ JUGS	PURPLE	ICE	B/N.A.P

Depth: 10-15' Pan #:_____ Aliquots:_____

Samplers: Barry Haynie - NAL
Steve Henleigh - Durbin

COMMENTS OF FIELD PERSONNEL

Site Description: Sample From MW 6

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FIELD SHEET
U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII
ENVIRONMENTAL SERV ES DIV. 25 FUNSTON RD. KA' 'S CITY, KS 66115

Site Name: SYNTEX FACILITY — Site Number: 51
Location: VERONA, MO — Site Code: SYN

Collected: YR: 86 MO: 01 Day: 14 Time: 1500 Leader: BLACKMAN

Sample Number: CK651004 SMO #:

Sample Media (circle one):
SOIL, DUST, RINSATE, SEDIMENT, (WATER) OTHER:_____

Sample Split (circle one): YES (NO)

Sample Container	Tag Color	Preservative	Analysis Requested
1-80 OZ JAR	BLUE	ICE	TCDD
2-80 OZ JUGS	PURPLE	ICE	B/N.A.P

Depth: 10-15' Pan #:_____ Aliquots:_____

Samplers: Barry Haynie - UAL
Steve Hennigh - Durbin

COMMENTS OF FIELD PERSONNEL

Site Description: Sample from MW 7

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FIELD SHEET
U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII
ENVIRONMENTAL SERVICE DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

Site Name: SYNTEX FACILITY — Site Number: 51
Location: VERONA, MO — Site Code: SYN

Collected: YR: 86 MO: 01 Day: 14 Time: 1530 Leader: BLACKMAN

Sample Number: CK651005 SMD #:

Sample Media (circle one):
SOIL, DUST, RINSATE, SEDIMENT, (WATER), OTHER:_____

Sample Split (circle one): YES (NO)

Sample Container	Tag Color	Preservative	Analysis Requested
1-80 OZ JAR	BLUE	ICE	TCDD
2-80 OZ JUGS	PURPLE	ICE	B/N.A.P

Depth: 10-15' Pan #:_____ Aliquots:_____

Samplers: Barry Haynie - NAL
Steve Hennigh - Durbin

COMMENTS OF FIELD PERSONNEL

Site Description: Sample from MW 8

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FIELD SHEET
U.S. ENVI NMENTAL PROTECTION AGENCY REGION VII
ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

Site Name: SYNTEX FACILITY
Location: VERONA. MO

Site Number: 51
Site Code: SYN

Collected: YR: 86 MO: 01 Day: 14 Time: 1615 Leader: BLACKMAN

Sample Number: CK651006F SMO #:

Sample Media (circle one):
SOIL, DUST, RINSATE, SEDIMENT, (WATER) OTHER:_____

Sample Split (circle one): YES (NO)

Sample Container	Tag Color	Preservative	Analysis Requested
1-80 OZ JAR	BLUE	ICE	TCDD
2-80 OZ JUGS	PURPLE	ICE	B/N.A.P

Depth: — Pan #:_____ Aliquots:_____

Samplers: Steve Hennigh - Dutchia

COMMENTS OF FIELD PERSONNEL

Site Description: Field Blank collected using the decontaminated well wizard pump from MW1. The DI water was placed in a lab cleaned 3 gallon glass pickle jar and pumped through the pump and tubing.

IBM-PC

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 7
25 FUNSTON ROAD
KANSAS CITY, KANSAS 66115

DATE: March 6, 1986

MEMORANDUM

SUBJECT: Syntex Agribusiness Inc., Verona, Missouri

FROM: Charles P. Hensley
Chief, EP&R/ENSV

TO: Robert L. Morby
Chief, SPFD/WSTM

Attached for your review is:

- [X] Data Transmittal (complete)
- [ ] Work Plan
- [ ] Trip Report
- [ ] Preliminary Assessment
- [ ] HRS Form with Supporting Documentation
- [ ] Final Report on a Full-Field Investigation

If you have any questions or comments, please contact Paul Doherty at 236-3888.

Attachments

cc: [XX] E&E
[ ] LABO
[X] EPAR Gary Kepko
[ ] EMCH
[ ] RCRA
[ ] SPFD
[ ] TAT

for
John C. Wickland
Director, ENSV

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

DATE 3/5/86

SUBJECT Transmittal of Laboratory Data

FROM Robert D. Kleopfer, Ph. D. RDK
Chief, Laboratory Branch, ENSV

TO Henley

Analyses have been completed for the following activities and the data results are attached.

Activity No.	Description
CK651	Syntex Facility (complete transmittal)

Attachments

cc: Data Files

EPA Form 1320-6 (Rev. 3-76)

EPA REGION VII
DATA QUALIFICATION CODES

U - Compound was not detected.

M - Compound was qualitatively identified; however, quantitative value is less than contract required detection limits (CLP data); or value is less than limit of quantitation (EPA data).

J - Compound was qualitatively identified; however, compound failed to meet all QA criteria and therefore is only an estimated value.

I - Analysis attempted, but no results can be reported.

O - Sample lost or not analyzed.

L - Value known to be higher than value reported.

FIELD SHEET
U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII
ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

Site Name: SYNTEX FACILITY — Site Number: 51
Location: VERONA, MO — Site Code: SYN

Collected: YR: 86 MO: 01 Day: 14 Time: 1335 Leader: BLACKMAN

Sample Number: CK651001 SMO #:

Sample Media (circle one):
SOIL, DUST, RINSATE, SEDIMENT, (WATER), OTHER:_____

Sample Split (circle one): YES (NO)

Sample Container	Tag Color	Preservative	Analysis Requested
1-80 OZ JAR	BLUE	ICE	TCDD
2-80 OZ JUGS	PURPLE	ICE	B/N.A.P

Depth: 10-15' Pan #:_____ Aliquots:_____

Samplers: Barry ~~[illegible]~~ Haynie NAL
Steve Hennigh - Durbin

COMMENTS OF FIELD PERSONNEL

Site Description: sample from MW1

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FIELD SHEET
U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII
ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

Site Name: SYNTEX FACILITY — Site Number: 51
Location: VERONA. MO — Site Code: SYN

Collected: YR: 86 MO: 01 Day: 14 Time: ~~1430~~ 1600 Leader: BLACKMAN

Sample Number: CK651002 SMO #:

Sample Media (circle one):
SOIL, DUST, RINSATE, SEDIMENT, (WATER) OTHER:_____

Sample Split (circle one): YES (NO)

Sample Container	Tag Color	Preservative	Analysis Requested
1-80 OZ JAR	BLUE	ICE	TCDD
2-80 OZ JUGS	PURPLE	ICE	B/N.A.P

Depth: 10-15' Pan #:_____ Aliquots:_____

Samplers: Barry Haynie - NAL
Steve Hennigh - Dorbin

COMMENTS OF FIELD PERSONNEL

Site Description: sample from MW 5 (Alluvial)

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FIELD SHEET
U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII
ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

Site Name: SYNTEX FACILITY — Site Number: 51
Location: VERONA, MO — Site Code: SYN

Collected: YR: 86 MO: 01 Day: 14 Time: 1430 Leader: BLACKMAN

Sample Number: CK651003 SMO #:

Sample Media (circle one):
SOIL, DUST, RINSATE, SEDIMENT, (WATER), OTHER:_____

Sample Split (circle one): YES (NO)

Sample Container	Tag Color	Preservative	Analysis Requested
1-80 OZ JAR	BLUE	ICE	TCDD
2-80 OZ JUGS	PURPLE	ICE	B/N.A.P

Depth: 10-15' Pan #:_____ Aliquots:_____

Samplers: Barry Haynie - NAL
Steve Henrigh - Durbin

COMMENTS OF FIELD PERSONNEL

Site Description: Sample from [illegible]

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FIELD SHEET
U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII
ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

Site Name: SYNTEX FACILITY Site Number: 51
Location: VERONA, MO Site Code: SYN

Collected: YR: 86 MO: 01 Day: 14 Time: 1500 Leader: BLACKMAN

Sample Number: CK651004 SMO #:

Sample Media (circle one):
SOIL, DUST, RINSATE, SEDIMENT, (WATER) OTHER:_____

Sample Split (circle one): YES (NO)

Sample Container	Tag Color	Preservative	Analysis Requested
1-80 OZ JAR	BLUE	ICE	TCDD
2-80 OZ JUGS	PURPLE	ICE	B/N.A.P

Depth: 10-15' Pan #:_____ Aliquots:_____

Samplers: Barry Haynie - UAL
Steve Hennigh - Dublin

COMMENTS OF FIELD PERSONNEL

Site Description: Sample from MW 7

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FIELD SHEET
U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII
ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

Site Name: SYNTEX FACILITY — Site Number: 51
Location: VERONA, MO — Site Code: SYN

Collected: YR: 86 MO: 01 Day: 14 Time: 1530 Leader: BLACKMAN

Sample Number: CK651005 SMO #:

Sample Media (circle one):
SOIL, DUST, RINSATE, SEDIMENT, (WATER), OTHER:_____

Sample Split (circle one): YES (NO)

Sample Container	Tag Color	Preservative	Analysis Requested
1-80 OZ JAR	BLUE	ICE	TCDD
2-80 OZ JUGS	PURPLE	ICE	B/N.A.P

Depth: 10-15' Pan #:_____ Aliquots:_____

Samplers: Barry Haynie - NAL
Steve Hennigh - Durbin

COMMENTS OF FIELD PERSONNEL

Site Description: Sample from MW 8

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FIELD SHEET
U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII
ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

Site Name: SYNTEX FACILITY — Site Number: 51
Location: VERONA, MO — Site Code: SYN

Collected: YR: 86 MO: 01 Day: 14 Time: 1615 Leader: BLACKMAN

Sample Number: CK651006F SMO #:

Sample Media (circle one):
SOIL, DUST, RINSATE, SEDIMENT, (WATER) OTHER:_____

Sample Split (circle one): YES (NO)

Sample Container	Tag Color	Preservative	Analysis Requested
1-80 OZ JAR	BLUE	ICE	TCDD
2-80 OZ JUGS	PURPLE	ICE	B/N.A.P

Depth: — Pan #:_____ Aliquots:_____

Samplers: Steve Hennigh - Durkin

COMMENTS OF FIELD PERSONNEL

Site Description: Field Blank collected using the decontaminated well wizard pump from MW1. The DI water was placed in a lab cleaned 3 gallon glass pickle jar and pumped through the pump and tubing.

IBM-PC

TITLE: SYNTEX
LAB: ENV
ANALYST/ENTRY: LT

MATRIX: WATER
METHOD: 9302M01
REVIEWER: GCS

UNITS: UG/L
CASE: 5459
DATE: 2-20-86

GCS

TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.	COMPOUND NAME**	FRACTION	EST.	CONC.*
CK651001	NOTHING SIGNIFICANT FOUND	BNA		
CK651002	1,1-OXYBISBENZENE	BNA	12	J
CK651002	DIOCTYLESTERHEXANEDIOIC ACID	BNA	244	J
CK651003	1,2-DIMETHYLBENZENE	BNA	10	J
CK651003	3-CHLOROPHENOL	BNA	26	J
CK651003	1,1-OXYBISBENZENE	BNA	94	J
CK651003	DIOCTYLESTERHEXANEDIOIC ACID	BNA	550	J
CK651004	1,3-DIMETHYLBENZENE	BNA	31	J
CK651004	1,1-OXYBISBENZENE	BNA	66	J
CK651004	DIOCTYLESTERHEXANEDIOIC ACID	BNA	170	J
CK651005	NOTHING SIGNIFICANT FOUND	BNA		
CK651006F	NOTHING SIGNIFICANT FOUND	BNA		
CK651002	6 UNKNOWNS	BNA	4-99	J
CK651003	10 UNKNOWNS	BNA	4-92	J
CK651004	7 UNKNOWNS	BNA	13-160	J

*This is a crude estimation based on response relative to an internal standard. An authentic standard has not been run.

**The compounds were identified using a library search routine. Authentic standards have not been analyzed to verify compound mass spectra and retention times.

A LYSIS TYPE: SEMIVOLATILES (PAGE 1)

TITLE: SYNTEX
LAB: ENV
SAMPLE PREP:_____ ANALYST/ENTRY: E79

MATRIX: WATER
METHOD: 9302M01
REVIEWER:

UNITS: UG/L
CASE: 5459
DATE: 02/20/86

SAMPLE NUMBERS

COMPOUND	CK651001		CK651002		CK651003		CK651004	
PHENOL	20.0	U		I	20.0	U	20.0	U
BIS(2-CHLOROETHYL) ETHER	20.0	U	20.0	U	20.0	U	20.0	U
2-CHLOROPHENOL	20.0	U		I	20.0	U	20.0	U
1,3 DICHLOROBENZENE	20.0	U	1.00	M	6.00	M	5.00	M
1,4 DICHLOROBENZENE	20.0	U	12.0	M	96.0		100	
BENZYL ALCOHOL	20.0	U	20.0	U	20.0	U	20.0	U
1,2 DICHLOROBENZENE	20.0	U	1.00	M	15.0	M	7.00	M
2-METHYLPHENOL	20.0	U		I	20.0	U	20.0	U
BIS(2-CHLOROISOPROPYL)ETHER	20.0	U	20.0	U	20.0	U	20.0	U
4-METHYLPHENOL	20.0	U		I	20.0	U	20.0	U
N-NITROSO-DIPROPYLAMINE	20.0	U	20.0	U	20.0	U	20.0	U
HEXACHLOROETHANE	20.0	U	20.0	U	20.0	U	20.0	U
NITROBENZENE	20.0	U	20.0	U	20.0	U	20.0	U
ISOPHORONE	20.0	U	20.0	U	20.0	U	20.0	U
2-NITROPHENOL	20.0	U		I	20.0	U	20.0	U
2,4-DIMETHYLPHENOL	20.0	U		I	20.0	U	20.0	U
BENZOIC ACID	100	U		I	100	U	100	U
BIS(2-CHLOROETHOXY) METHANE	20.0	U	20.0	U	20.0	U	20.0	U
2,4 DICHLOROPHENOL	20.0	U		I	20.0	U	20.0	U
1,2,4-TRICHLOROBENZENE	20.0	U	20.0	U	26.0		5.00	M
NAPHTHALENE	20.0	U	20.0	U	3.00	M	2.00	M
4-CHLOROANILINE	20.0	U	20.0	U	20.0	U	20.0	U
HEXACHLOROBUTADIENE	20.0	U	20.0	U	20.0	U	20.0	U
4-CHLORO-3-METHYLPHENOL	20.0	U		I	20.0	U	20.0	U
2-METHYLNAPHTHALENE	20.0	U	20.0	U	1.00	M	20.0	U
HEXACHLOROCYCLOPENTADIENE	20.0	U	20.0	U	20.0	U	20.0	U
2,4,6-TRICHLOROPHENOL	20.0	U		I	20.0	U	20.0	U
2,4,5-TRICHLOROPHENOL	100	U		I	100	U	100	U
2-CHLORONAPHTHALENE	20.0	U	20.0	U	20.0	U	20.0	U
2-NITROANILINE	100	U	100	U	100	U	100	U
DIMETHYLPHTHALATE	20.0	U	20.0	U	20.0	U	20.0	U
ACENAPHTHYLENE	20.0	U	20.0	U	20.0	U	20.0	U
3-NITROANILINE	100	U	100	U	100	U	100	U
ACENAPHTHENE	20.0	U	20.0	U	20.0	U	20.0	U
2,4-DINITROPHENOL	20.0	U		I	20.0	U	20.0	U
4-NITROPHENOL	100	U		I	100	U	100	U
DIBENZOFURAN	20.0	U	20.0	U	20.0	U	20.0	U
2,4-DINITROTOULENE	20.0	U	20.0	U	20.0	U	20.0	U

ANALYSIS TYPE: SEMIVOLATILES (PAGE 2)

TITLE: SYNTEX
LAB: ENV
SAMPLE PREP:_____ ANALYST/ENTRY: E80

MATRIX: WATER
METHOD: 9302M01
REVIEWER:

UNITS: UG/L
CASE: 5459
DATE: 02/20/86

SAMPLE NUMBERS

COMPOUND	CK651001		CK651002		CK651003		CK651004	
2,6-DINITROTOLUENE	20.0	U	20.0	U	20.0	U	20.0	U
DIETHYLPHTHALATE	20.0	U	20.0	U	20.0	U	20.0	U
4-CHLOROPHENYL PHENYL ETHER	20.0	U	20.0	U	20.0	U	20.0	U
FLUORENE	20.0	U	20.0	U	20.0	U	20.0	U
4-NITROANILINE		I		I		I		I
4,6-DINITRO-2-METHYLPHENOL	100	U		I	100	U	100	U
N-NITROSODIPHENYLAMINE	20.0	U	20.0	U	20.0	U	20.0	U
4-BROMOPHENYL PHENYL ETHER	20.0	U	20.0	U	20.0	U	20.0	U
HEXACHLOROBENZENE	20.0	U	20.0	U	20.0	U	20.0	U
PENTACHLOROPHENOL	100	U		I	100	U	100	U
PHENANTHRENE	20.0	U	20.0	U	20.0	U	20.0	U
ANTHRACENE	20.0	U	20.0	U	20.0	U	20.0	U
DI-N-BUTYLPHTHALATE	20.0	U	20.0	U	20.0	U	20.0	U
FLUORANTHENE	20.0	U	20.0	U	20.0	U	20.0	U
PYRENE	20.0	U	20.0	U	20.0	U	20.0	U
BUTYL BENZYL PHTHALATE	20.0	U	20.0	U	20.0	U	20.0	U
3,3' DICHLOROBENZIDINE	40.0	U	40.0	U	40.0	U	40.0	U
BENZO(A)ANTHRACENE	20.0	U	20.0	U	20.0	U	20.0	U
BIS(2-ETHYLHEXYL)PHTHALATE	20.0	U	57.0	U	140	U	450	
CHRYSENE	20.0	U	20.0	U	20.0	U	20.0	U
DI-N-OCTYL PHTHALATE	20.0	U	20.0	U	20.0	U	23.0	
BENZO(B)FLUORANTHENE	20.0	U	20.0	U	20.0	U	20.0	U
BENZO(K)FLUORANTHENE	20.0	U	20.0	U	20.0	U	20.0	U
BENZO(A)PYRENE	20.0	U	20.0	U	20.0	U	20.0	U
INDENO(1,2,3-CD)PYRENE	20.0	U	20.0	U	20.0	U	20.0	U
DIBENZO(A,H)ANTHRACENE	20.0	U	20.0	U	20.0	U	20.0	U
BENZO(G,H,I)PERYLENE	20.0	U	20.0	U	20.0	U	20.0	U

A' LYSIS TYPE: SEMIVOLATILES (PAGE 1)

TITLE: SYNTEX
LAB: ENV
SAMPLE PREP:_____ ANALYST/ENTRY: E79

MATRIX: WATER
METHOD: 9302M01
REVIEWER: _____

UNITS: UG/L
CASE: 5459
DATE: 02/20/86

SAMPLE NUMBERS

COMPOUND	CK651005		CK651006F	
PHENOL	20.0	U	3.00	M
BIS(2-CHLOROETHYL) ETHER	20.0	U	20.0	U
2-CHLOROPHENOL	20.0	U	20.0	U
1,3 DICHLOROBENZENE	20.0	U	20.0	U
1,4 DICHLOROBENZENE	20.0	U	20.0	U
BENZYL ALCOHOL	20.0	U	20.0	U
1,2 DICHLOROBENZENE	20.0	U	20.0	U
2-METHYLPHENOL	20.0	U	20.0	U
BIS(2-CHLOROISOPROPYL)ETHER	20.0	U	20.0	U
4-METHYLPHENOL	20.0	U	20.0	U
N-NITROSO-DIPROPYLAMINE	20.0	U	20.0	U
HEXACHLOROETHANE	20.0	U	20.0	U
NITROBENZENE	20.0	U	20.0	U
ISOPHORONE	20.0	U	20.0	U
2-NITROPHENOL	20.0	U	20.0	U
2,4-DIMETHYLPHENOL	20.0	U	20.0	U
BENZOIC ACID	100	U	100	U
BIS(2-CHLOROETHOXY) METHANE	20.0	U	20.0	U
2,4 DICHLOROPHENOL	20.0	U	20.0	U
1,2,4-TRICHLOROBENZENE	20.0	U	20.0	U
NAPHTHALENE	20.0	U	20.0	U
4-CHLOROANILINE	20.0	U	20.0	U
HEXACHLOROBUTADIENE	20.0	U	20.0	U
4-CHLORO-3-METHYLPHENOL	20.0	U	20.0	U
2-METHYLNAPHTHALENE	20.0	U	20.0	U
HEXACHLOROCYCLOPENTADIENE	20.0	U	20.0	U
2,4,6-TRICHLOROPHENOL	20.0	U	20.0	U
2,4,5-TRICHLOROPHENOL	100	U	100	U
2-CHLORONAPHTHALENE	20.0	U	20.0	U
2-NITROANILINE	100	U	100	U
DIMETHYLPHTHALATE	20.0	U	20.0	U
ACENAPHTHYLENE	20.0	U	20.0	U
3-NITROANILINE	100	U	100	U
ACENAPHTHENE	20.0	U	20.0	U
2,4-DINITROPHENOL	20.0	U	20.0	U
4-NITROPHENOL	100	U	100	U
DIBENZOFURAN	20.0	U	20.0	U
2,4-DINITROTOLUENE	20.0	U	20.0	U

ANALYSIS TYPE: SEMIVOLATILES (PAGE 2)

TITLE: SYNTEX
LAB: ENV
SAMPLE PREP:_____ ANALYST/ENTRY: EBO

MATRIX: WATER
METHOD: 9302H01
REVIEWER:

UNITS: UG/L
CASE: 5459
DATE: 02/20/86

SAMPLE NUMBERS

COMPOUND	CK651005		CK651006F	
2,6-DINITROTOLUENE	20.0	U	20.0	U
DIETHYLPHTHALATE	20.0	U	20.0	U
4-CHLOROPHENYL PHENYL ETHER	20.0	U	20.0	U
FLUORENE	20.0	U	20.0	U
4-NITROANILINE		I		I
4,6-DINITRO-2-METHYLPHENOL	100	U	100	U
N-NITROSODIPHENYLAMINE	20.0	U	20.0	U
4-BROMOPHENYL PHENYL ETHER	20.0	U	20.0	U
HEXACHLOROBENZENE	20.0	U	20.0	U
PENTACHLOROPHENOL	100	U	100	U
PHENANTHRENE	20.0	U	20.0	U
ANTHRACENE	20.0	U	20.0	U
DI-N-BUTYLPHTHALATE	20.0	U	20.0	U
FLUORANTHENE	20.0	U	20.0	U
PYRENE	20.0	U	20.0	U
BUTYL BENZYL PHTHALATE	20.0	U	20.0	U
3,3' DICHLOROBENZIDINE	40.0	U	40.0	U
BENZO(A)ANTHRACENE	20.0	U	20.0	U
BIS(2-ETHYLHEXYL)PHTHALATE	20.0	U	34.0	
CHRYSENE	20.0	U	20.0	U
DI-N-OCTYL PHTHALATE	20.0	U	2.00	M
BENZO(B)FLUORANTHENE	20.0	U	20.0	U
BENZO(K)FLUORANTHENE	20.0	U	20.0	U
BENZO(A)PYRENE	20.0	U	20.0	U
INDENO(1,2,3-CD)PYRENE	20.0	U	20.0	U
DIBENZO(A,H)ANTHRACENE	20.0	U	20.0	U
BENZO(G,H,I)PERYLENE	20.0	U	20.0	U

ANALYSIS TYPE: PESTICIDES

TITLE: SYNTEX
LAB: ENV
SAMPLE PREP:_____ ANALYST/ENTRY: E81

MATRIX: WATEF
METHOD: 9302[illegible]
REVIEWER: [illegible]

UNITS: UG/L
CASE: 5459
DATE: 02/20/86

SAMPLE NUMBERS

COMPOUND	CK651001		CK651002		CK651003		CK651004	
ALPHA-BHC	0.05	U	0.05	U	0.05	U	0.05	U
BETA-BHC	0.05	U	0.05	U	0.05	U	0.05	U
DELTA-BHC	0.05	U	0.05	U	0.05	U	0.05	U
GAMMA-BHC	0.05	U	0.05	U	0.05	U	0.05	U
HEPTACHLOR	0.05	U	0.05	U	0.05	U	0.05	U
ALDRIN	0.05	U	0.05	U	0.05	U	0.05	U
HEPTACHLOR EPOXIDE	0.05	U	0.05	U	0.05	U	0.05	U
ENDOSULFAN I	0.05	U	0.05	U	0.05	U	0.05	U
DIELDRIN	0.1	U	0.1	U	0.1	U	0.1	U
4,4'-DDE	0.1	U	0.1	U	0.1	U	0.1	U
ENDRIN	0.1	U	0.1	U	0.1	U	0.1	U
ENDOSULFAN II	0.1	U	0.1	U	0.1	U	0.1	U
4,4'-DDD	0.1	U	0.1	U	0.1	U	0.1	U
ENDRIN ALDEHYDE	0.1	U	0.1	U	0.1	U	0.1	U
ENDOSULFAN SULFATE	0.1	U	0.1	U	0.1	U	0.1	U
4,4'-DDT	0.1	U	0.1	U	0.1	U	0.1	U
ENDRIN KETONE	0.1	U	0.1	U	0.1	U	0.1	U
METHOXYCHLOR	0.5	U	0.5	U	0.5	U	0.5	U
CHLORDANE	0.5	U	0.5	U	0.5	U	0.5	U
TOXAPHENE	3.00	U	3.00	U	3.00	U	1.00	U
AROCLOR-1016	0.5	U	0.5	U	0.5	U	0.5	U
AROCLOR-1221	0.5	U	0.5	U	0.5	U	0.5	U
AROCLOR-1232	0.5	U	0.5	U	0.5	U	0.5	U
AROCLOR-1242	0.5	U	0.5	U	0.5	U	0.5	U
AROCLOR-1248	0.5	U	0.5	U	0.5	U	0.5	U
AROCLOR-1254	1.00	U	1.00	U	1.00	U	1.00	U
AROCLOR-1260	1.00	U	1.00	U	1.00	U	1.00	U

ANALYSIS TYPE: PESTICIDES

TITLE: SYNTEX
LAB: ENV
SAMPLE PREP:_____ ANALYST/ENTRY: EB1

MATRIX: WATE
METHOD: 9302. .1
REVIEWER: -[illegible]

UNITS: UG/L
CASE: 5459
DATE: 02/20/86

SAMPLE NUMBERS

COMPOUND	CK651005		CK651006F	
ALPHA-BHC	0.05	U	0.05	U
BETA-BHC	0.05	U	0.05	U
DELTA-BHC	0.05	U	0.05	U
GAMMA-BHC	0.05	U	0.05	U
HEPTACHLOR	0.05	U	0.05	U
ALDRIN	0.05	U	0.05	U
HEPTACHLOR EPOXIDE	0.05	U	0.05	U
ENDOSULFAN I	0.05	U	0.05	U
DIELDRIN	0.1	U	0.1	U
4,4'-DDE	0.1	U	0.1	U
ENDRIN	0.1	U	0.1	U
ENDOSULFAN II	0.1	U	0.1	U
4,4'-DDD	0.1	U	0.1	U
ENDRIN ALDEHYDE	0.1	U	0.1	U
ENDOSULFAN SULFATE	0.1	U	0.1	U
4,4'-DDT	0.1	U	0.1	U
ENDRIN KETONE	0.1	U	0.1	U
METHOXYCHLOR	0.5	U	0.5	U
CHLORDANE	0.5	U	0.5	U
TOXAPHENE	1.00	U	3.00	U
AROCLOR-1016	0.5	U	0.5	U
AROCLOR-1221	0.5	U	0.5	U
AROCLOR-1232	0.5	U	0.5	U
AROCLOR-1242	0.5	U	0.5	U
AROCLOR-1248	0.5	U	0.5	U
AROCLOR-1254	1.00	U	1.00	U
AROCLOR-1260	1.00	U	1.00	U

DATE 103/05/86
DATABASE: SYN
REPORT FOR SITE: SYNTEX PROPERTY

SITE	EPA NO	DIOXYN VALUE	C	R	V	SAMPLED	DESCRIPTION
SYN	CK51001	.001	U		V	01/14/85	WATER SAMPLE FROM MW1, 10-15' DEPTH
SYN	CK51001L	.007	U		V	01/14/85	WATER SAMPLE FROM MW1, 10-15' DEPTH
SYN	CK51002	.002	U		V	01/14/85	WATER SAMPLE FROM MW5, 10-15' DEPTH
SYN	CK51003	.003	U		V	01/14/85	WATER SAMPLE FROM MW6, 10-15' DEPTH
SYN	CK51004	.004	U		V	01/14/85	WATER SAMPLE FROM MW7, 10-15' DEPTH
SYN	CK51005	.006	U		V	01/14/85	WATER SAMPLE FROM MW8, 10-15' DEPTH

DATE 103/05/86

DATABASE: SYN
REPORT FOR SITE: FAIRFAX, KS--ENVIRONMENTAL SAMPLES

SITE	EPA NO	DIOXIN VALUE	C	A	V	SAMPLED	DESCRIPTION
FFS	SX651006F	.001	C		V	01/14/86	FIELD BLANK, PUMP & TUBING BLANK BY DI WATER

VALIDATED DIOXIN DATA FOR SYNTEX PROPERTY

DATE 10/05/86

SITE	EPA NO		AMOUNT		SAMPLED	DESCRIPTION
SYN	CK251001	LESS THAN	1.000	PPB	01/14/86	WATER SAMPLE FROM MW1, 10-15' DEPTH
SYN	CK251001L	LESS THAN	1.000	PPB	01/14/86	WATER SAMPLE FROM MW1, 10-15' DEPTH
SYN	CK251002	LESS THAN	1.000	PPB	01/14/86	WATER SAMPLE FROM MW5, 10-15' DEPTH
SYN	CK251003	LESS THAN	1.000	PPB	01/14/86	WATER SAMPLE FROM MW6, 10-15' DEPTH
SYN	CK251004	LESS THAN	1.000	PPB	01/14/86	WATER SAMPLE FROM MW7, 10-15' DEPTH
SYN	CK251005	LESS THAN	1.000	PPB	01/14/86	WATER SAMPLE FROM MW8, 10-15' DEPTH

VALIDATED DIOXIN DATA FOR FAIRFAX, KS--ENVIRONMENTAL SAMPLES

DATE 03/05/86

SITE	EPA NO	AMOUNT		SAMPLED	DESCRIPTION
FFS	CA651006F	LESS THAN 1.000	PPB	01/14/86	FIELD BLANK, PUMP & TUBING BLANK BY DI WATER

Case No.: NA

Laboratory: EPA

Contract No.: NA

Method No.: 6241W00

SMO No.: NA

EPA No.: BMH1X

Site : Waverly Groundwater

Matrix: Water

We have reviewed the above case. The following are our findings:

1. The samples were analyzed for the volatile fraction. Data were evaluated by examining surrogate recoveries, technical holding times, standards, blanks, and performance evaluation samples. There were no problems with any of these quality control elements nor the associated samples.

2. A field blank, sample BMH1X016F, was found to be free of contamination.

3. Two volatile fraction performance evaluation audits were introduced as sample BMH1X017P (VCLP048403) and BMH1X900P (VCLP048401). Both audits were correctly identified for all compounds in the fraction.

4. Results for the field duplicate samples BMH1X003 and -003D did not agree. Based on the other field duplicate results, the laboratory's lack of problems with analyses of this set of samples, and the fact the laboratory ran these samples more than once with the same result, this appears to be an error in sampling.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 7
25 FUNSTON ROAD
KANSAS CITY, KANSAS 66115

DATE: May 2, 1986

MEMORANDUM

SUBJECT: Syntex Agribusiness, Verona, Missouri

FROM: Charles P. Hensley
Chief, EP&R/ENSV

TO: Robert L. Morby
Chief, SPFD/WSTM

Attached for your review is:

- [XX] Data Transmittal (corrected)
- [ ] Work Plan
- [ ] Trip Report
- [ ] Preliminary Assessment
- [ ] HRS Form with Supporting Documentation
- [ ] Final Report on a Full-Field Investigation

If you have any questions or comments, please contact Paul Doherty at 236-3888.

Attachments

cc: [X] EAE
[ ] LABO
[ ] EP&R
[ ] EMCM
[ ] RCRA
[ ] SPFD
[ ] TOPE

John C. Wickland
Director, ENSV

5-5-86

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 7
25 FUNSTON ROAD
KANSAS CITY, KANSAS 66115

April 22, 1986

RECEIVED MAY 2 1986

MEMORANDUM

SUBJECT: Retransmittal of Data for Syntex (AK651)

FROM: Robert Kleopfer RDK
Acting Chief, Laboratory Branch

TO: Charles Hensley CH
Chief, EP&R Branch AND Robert Morby
Chief, Superfund Branch

With respect to my memorandum of March 24, 1986, concerning problems with data review, WESTON-TAT has completed the follow-up review for the data associated with Syntex.

Several discrepancies were found to exist with the data as it were originally reported. New data sheets have been attached which reflect corrected data as well as a summary table which identifies all changes made to the data.

The data for this site should now be considered correct and usable by your staffs.

Attachments

ATTACHMENT I (CONTINUED)

SAMPLE	FRACTION	PARAMETERS	ORIGINALLY REPORTED	CORRECTED VALUE
	BNA	2-METHYLPHENOL	10 U	I
	BNA	4-METHYLPHENOL	10 U	I
	BNA	2-NITROPHENOL	10 U	I
AK651047	BNA	2,4 DIMETHYLPHENOL	10 U	I
	BNA	BENZOIC ACID	50 U	I
	BNA	2,4 DICHLOROPHENOL	10 U	I
	BNA	4-CHLORO-3-METHYLPHENOL	10 U	I
	BNA	2,4,6 TRICHLOROPHENOL	10 U	I
	BNA	2,4,5 TRICHLOROPHENOL	10 U	I
	BNA	2,4 DINITROPHENOL	10 U	I
	BNA	4-NITROPHENOL	10 U	I
	BNA	4-NITROANILINE	50 U	I
	BNA	4,6-DINITRO-2-DIMETHYLPHENOL	50 U	I
	BNA	PENTACHLOROPHENOL	50 U	I
	BNA	BIS(2-ETHYLHEXYL)PHTHALATE	10 U	170 U
	BNA	DI-N-OCTYLPHTHALATE	10 U	16
AK651048	BNA	1,3 DICHLOROBENZENE	130	6 M
	BNA	1,4 DICHLOROBENZENE	10 U	130
	BNA	NAPHTHALENE	10 U	3 M
	BNA	2-METHYLNAPHTHALENE	10 U	2 M
	BNA	ACENAPHTHENE	I	10 U
	BNA	4-NITROANILINE	50 U	I
	BNA	DI-N-OCTYLPHTHALATE	10 U	1 M
AK651049	BNA	2-CHLOROPHENOL	10 U	1 M
	BNA	1,3 DICHLOROBENZENE	10 U	6 M
	BNA	1,4 DICHLOROBENZENE	10 U	130
	BNA	1,2 DICHLOROBENZENE	10 U	7 M
	BNA	2,4 DIMETHYLPHENOL	10 U	2 M
	BNA	1,2,4 TRICHLOROBENZENE	10 U	5 M
	BNA	NAPHTHALENE	10 U	2 M
	BNA	2-METHYLNAPHTHALENE	10 U	1 M
	BNA	4-NITROANILINE	50 U	I
	BNA	BIS(2-ETHYLHEXYL)PHTHALATE	10 U	14 U
AK651050	BNA	4-NITROANILINE	50 U	I
AK651047	BNA	PHENOL	10 U	1 M
	BNA	4-NITROANILINE	50 U	I
	BNA	BIS(2-ETHYLHEXYL)PHTHALATE	10 U	22
AK651042	BNA	BIS(2-ETHYLHEXYL)PHTHALATE	200 U	30 M
AK651043	BNA	BIS(2-ETHYLHEXYL)PHTHALATE	200 U	110 M
AK651044	BNA	BIS(2-ETHYLHEXYL)PHTHALATE	200 U	63 M
	BNA	DETECTION LIMITS MULTIPLIED BY 1.65		

Samples AK651034-044 have BNA detection limits multiplied by 1.65

ANALYSIS TYPE: SEMIVOLATILE (PAGE 1)

TITLE: SYNTEX
LAB: [illegible]
[illegible] ANALYST/ENTRY: LGA

MATRIX: SEDIMENT
METHOD: [illegible]
REVIEWED: [illegible]

UNITS: [illegible]/KG
CALL: [illegible]
DATE: [illegible]

SAMPLE NUMBERS

COMPOUND	AK651020		AK651021		AK651022		[illegible]	
PHENOL	330	U	330	U	330	U	[illegible]	U
BIS(2-CHLOROETHYL) ETHER	330	U	330	U	330	U	[illegible]	U
2-CHLOROPHENOL	330	U	330	U	330	U	[illegible]	U
1,3-DICHLOROBENZENE	330	U	330	U	330	U	[illegible]	U
1,4-DICHLOROBENZENE	[illegible]	U	330	U	[illegible]	U	[illegible]	U
BENZYL ALCOHOL	330	U	330	U	330	U	[illegible]	U
1,2-DICHLOROBENZENE	330	U	330	U	330	U	[illegible]	U
2-METHYLPHENOL	330	U	330	U	330	U	330	U
BIS(2-CHLOROISOPROPYL)ETHER	330	U	330	U	330	U	[illegible]	U
4-METHYLPHENOL	330	U	330	U	330	U	[illegible]	U
N-NITROSO-DI-N-PROPYLAMINE	330	U	330	U	330	U	[illegible]	U
HEXACHLOROETHANE	330	U	330	U	330	U	[illegible]	U
NITROBENZENE	330	U	330	U	330	U	[illegible]	U
[illegible]	330	U	330	U	[illegible]	U	[illegible]	U
[illegible]	[illegible]	U	[illegible]	U	[illegible]	U	[illegible]	U
2-[illegible]		J		J		J		J
[illegible] DIETHYL PHTHALATE	330	U	330	U	[illegible]	U	[illegible]	U
2,4-DINITROPHENOL	330	U	330	U	330	U	[illegible]	U
1,2,4-TRICHLOROBENZENE	[illegible]	U	[illegible]	U	[illegible]	U	[illegible]	U
[illegible]	330	U	330	U	330	U	[illegible]	U
4-CHLOROANILINE	330	U	330	U	330	U	[illegible]	U
HEXACHLOROBUTADIENE	330	U	[illegible]	U	[illegible]	U	[illegible]	U
4-CHLORO-3-METHYLPHENOL	330	U	330	U	330	U	[illegible]	U
2-METHYLNAPHTHALENE		J		J		J		J
HEXACHLOROCYCLOPENTADIENE	330	U	330	U	330	U	330	U
2,4,6-TRICHLOROPHENOL	330	U	330	U	330	U	[illegible]	U
2,4,5-TRICHLOROPHENOL	1600.	U	1600.	U	1600.	U	1600.	U
2-CHLORONAPHTHALENE	330	U	330	U	330	U	330	U
2-NITROANILINE	1600.	U	1600.	U	1600.	U	[illegible]	U
DIMETHYL PHTHALATE	330	U	330	U	330	U	330	U
ACENAPHTHYLENE	330	U	330	U	330	U	330	U
3-NITROANILINE		J		J		J		J
ACENAPHTHENE	330	U	330	U	330	U	330	U
2,4-DINITROPHENOL		J		J		J		J
4-NITROPHENOL	1600.	U	1600.	U	1600.	U	1600	U
DIBENZOFURAN	330	U	330	U	330	U	330	U
2,4-DINITROTOLUENE	330	U	330	U	330	U	[illegible]	U

ANALYSIS TYPE: SEMIVOLATILES (PAGE 1)

TITLE: SYNTEX
LAB: UST
SAMPLE PREP: _____ ANALYST/ENTRY: [illegible]

MATRIX: SEDIMENT
METHOD: 8270
REVIEWER: _____

UNITS: UG/KG
CASE: 4529
DATE: 04/15/16

SAMPLE NUMBERS

COMPOUND	AK651024		AK651025		AK651026		AK651027	
PHENOL	330	U	330	U	330	U	330	U
BIS(2-CHLOROETHYL) ETHER	330	U	330	U	330	U	330	U
2 CHLOROPHENOL	330	U	330	U	330	U	[illegible]	U
1,3 DICHLOROBENZENE	330	U	330	U	330	U	330	U
1,4 DICHLOROBENZENE	330	U	330	U	330	U	330	U
BENZYL ALCOHOL	330	U	330	U	330	U	330	U
1,2 DICHLOROBENZENE	330	U	330	U	330		[illegible]	U
2 METHYLPHENOL	330	U	330	U	330	U	330	U
BIS(2-CHLOROISOPROPYL)ETHER	330	U	330	U	330	U	330	U
4-METHYLPHENOL	330	U	330	U	330	U	330	U
N NITROSO-DIPROPYLAMINE	330	U	330	U	330	U	330	U
HEXACHLOROETHANE	330	U	330	U	330	U	330	U
NITROBENZENE	330	U	330	U	330	U	330	U
ISOPHORONE	330	U	330	U	330	U	330	U
2-NITROPHENOL	330	U	330	U	330	U	330	U
2,4-DIMETHYLPHENOL	330	U	330	U	330	U	330	U
BENZOIC ACID		J		J		J		
BIS(2-CHLOROETHOXY) METHANE	330	U	330	U	330	U	330	U
2,4 DICHLOROPHENOL	330	U	330	U	330	U	330	U
1,2,4-TRICHLOROBENZENE	330	U	330	U	330	U	330	U
NAPHTHALENE	330	U	330	U	330	U	330	U
4-CHLOROANILINE	330	U	330	U	330	U	330	U
HEXACHLOROBUTADIENE	330	U	330	U	330	U	330	U
4 CHLORO-3 METHYLPHENOL	330	U	330	U	330	U	330	U
2-METHYLNAPHTHALENE		J		J		J		
HEXACHLOROCYCLOPENTADIENE	330	U	330	U	330	U	330	U
2,4,6 TRICHLOROPHENOL	330	U	330	U	330	U	330	U
2,4,5 TRICHLOROPHENOL	1600.	U	1600.	U	1600.	U	1600.	U
2-CHLORONAPHTHALENE	330	U	330	U	330	U	330	U
2-NITROANILINE	1600.	U	1600.	U	1600.	U	1600.	U
DIMETHYLPHTHALATE	330	U	330	U	330	U	330	U
ACENAPHTHYLENE	330	U	330	U	330	U	330	U
3 NITROANILINE		J		J		J		
ACENAPHTHENE	330	U	330	U	330	U	330	U
2,4-DINITROPHENOL		J		J		J		
4-NITROPHENOL	1600.	U	1600.	U	1600.	U	1600.	U
DIBENZOFURAN	330	U	330	U	330	U	330	U
2,4-DINITROTOLUENE	330	U	330	U	330	U	330	U

ANALYSIS TYPE: SEMIVOLATIL (PAGE 1)

TITLE: CYTEX
LAB: USF
SAMPLE PREP: _____ ANALYST/ENTRY: [illegible]

MATRIX: SEDIMENT
METHOD: [illegible]
REVIEWER: [illegible]

UNITS: UG/KG
CASE: 4722
DATE: [illegible]

SAMPLE NUMBERS

COMPOUND	AK651028		AK651029		AK651030		[illegible]	
PHENOL	330	U	330	U	330	U	330	U
BIS(2-CHLOROETHYL) ETHER	330	U	330	U	330	U	330	U
2-CHLOROPHENOL	330	U	330	U	330	U	[illegible]	U
1,3 DICHLOROBENZENE	330	U	330	U	330	U	[illegible]	U
1,4 DICHLOROBENZENE	330	U	330	U	330	U	330	U
BENZYL ALCOHOL	330	U	330	U	330	U	[illegible]	U
1,2 DICHLOROBENZENE	330	U	330	U	330	U	330	U
2-METHYLPHENOL	330	U	330	U	330	U	330	U
BIS(2-CHLOROISOPROPYL)ETHER	330	U	330	U	330	U	330	U
4-METHYLPHENOL	330	U	330	U	330	U	330	U
N-NITROSO-DIPROPYLAMINE	330	U	330	U	330	U	330	U
HEXACHLOROETHANE	330	U	330	U	330	U	330	U
NITROBENZENE	330	U	330	U	330	U	330	U
ISOPHORONE	330	U	330	U	330	U	330	U
2-NITROPHENOL	330	U	330	U	330	U	330	U
2,4-DIMETHYLPHENOL	330	U	330	U	330	U	330	U
BENZOIC ACID		J		J		J		J
BIS(2-CHLOROETHOXY) METHANE	330	U	330	U	330	U	330	U
2,4-DICHLOROPHENOL	330	U	330	U	330	U	330	U
1,2,4-TRICHLOROBENZENE	330	U	330	U	330	U	330	U
NAPHTHALENE	330	U	330	U	330	U	330	U
4-CHLOROANILINE	330	U	330	U	330	U	330	U
HEXACHLOROBUTADIENE	330	U	330	U	330	U	330	U
4-CHLORO-3-METHYLPHENOL	330	U	330	U	330	U	330	U
2-METHYLNAPHTHALENE		J		J		J		J
HEXACHLOROCYCLOPENTADIENE	330	U	330	U	330	U	330	U
2,4,6-TRICHLOROPHENOL	330	U	330	U	330	U	330	U
2,4,5-TRICHLOROPHENOL	1600.	U	1600.	U	1600.	U	1600.	U
2-CHLORONAPHTHALENE	330	U	330	U	330	U	330	U
2-NITROANILINE	1600.	U	1600.	U	1600.	U	1600.	U
DIMETHYLPHTHALATE	330	U	330	U	330	U	330	U
ACENAPHTHYLENE	330	U	330	U	330	U	330	U
3-NITROANILINE		J		J		J		J
ACENAPHTHENE	330	U	330	U	330	U	330	U
2,4-DINITROPHENOL		J		J		J		J
4-NITROPHENOL	1600.	U	1600.	U	1600.	U	1600.	U
DIBENZOFURAN	330	U	330	U	330	U	330	U
2,4-DINITROTOLUENE	330	U	330	U	330	U	330	U

ANALYSIS TYPE: SEMIVOLATILE (PAGE 1)

TITLE: SYNTEX
LAB: UST
SAMPLE PREP: _____ ANALYST/ENTRY: T86

MATRIX: SEDIMENT
METHOD: 8270
REVIEWER: _____

UNITS: UG/KG
CASE: 4529
DATE: 04/15/86

SAMPLE NUMBERS

COMPOUND	AK651032		AK651033	
PHENOL	330	U	330	U
BIS(2-CHLOROETHYL) ETHER	330	U	330	U
2-CHLOROPHENOL	330	U	330	U
1,3 DICHLOROBENZENE	330	U	330	U
1,4 DICHLOROBENZENE	330	U	330	U
BENZYL ALCOHOL	330	U	330	U
1,2 DICHLOROBENZENE	330	U	330	U
2-METHYLPHENOL	330	U	330	U
BIS(2 CHLOROISOPROPYL)ETHER	330	U	330	U
4 METHYLPHENOL	330	U	330	U
N-NITROSO-DIPROPYLAMINE	330	U	330	U
HEXACHLOROETHANE	330	U	330	U
NITROBENZENE	330	U	330	U
ISOPHORONE	330	U	330	U
2-NITROPHENOL	330	U	330	U
2,4-DIMETHYLPHENOL	330	U	330	U
BENZOIC ACID		I		I
BIS(2 CHLOROETHOXY) METHANE	330	U	330	U
2,4 DICHLOROPHENOL	330	U	330	U
1,2,4 TRICHLOROBENZENE	330	U	330	U
NAPHTHALENE	330	U	330	U
4 CHLOROANILINE	330	U	330	U
HEXACHLOROBUTADIENE	330	U	330	U
4 CHLORO 3 METHYLPHENOL	330	U	330	U
2 METHYLNAPHTHALENE		I		I
HEXACHLOROCYCLOPENTADIENE	330	U	330	U
2,4,6 TRICHLOROPHENOL	330	U	330	U
2,4,5 TRICHLOROPHENOL	1600.	U	1600.	U
2 CHLORONAPHTHALENE	330	U	330	U
2 NITROANILINE	1600.	U	1600.	U
DIMETHYLPHTHALATE	330	U	330	U
ACENAPHTHYLENE	330	U	330	U
3 NITROANILINE		I		I
ACENAPHTHENE	330	U	330	U
2,4-DINITROPHENOL		I		I
4-NITROPHENOL	1600.	U	1600.	U
DIBENZOFURAN	330	U	330	U
2,4-DINITROTOLUENE	330	U	330	U

ANALYSIS TYPE: SEMIVOLATILES (PAGE 1)

TITLE: SYNTEX
LAB: WCT
SAMPLE PREP: _____ ANALYST/ENTRY: DPS

MATRIX: SEDIMENT
METHOD: 254.000
REVIEWER: [illegible]

UNITS: UG/KG
CASE: [illegible]
DATE: 04/15/86

SAMPLE NUMBERS

COMPOUND	AK651034		AK651035		AK651036		AK651037	
PHENOL	330	U	330	U	330	U	330	U
BIS(2-CHLOROETHYL) ETHER	330	U	330	U	330	U	330	U
2-CHLOROPHENOL	330	U	330	U	330	U	330	U
1,3 DICHLOROBENZENE	330	U	330	U	330	U	330	U
1,4 DICHLOROBENZENE	330	U	330	U	330	U	330	U
BENZYL ALCOHOL	330	U	330	U	330	U	330	U
1,2 DICHLOROBENZENE	330	U	330	U	330	U	330	U
2-METHYLPHENOL	330	U	330	U	330	U	330	U
BIS(2-CHLOROISOPROPYL)ETHER	330	U	330	U	330	U	330	U
4-METHYLPHENOL	330	U	330	U	330	U	330	U
N-NITROSO-DI-N-PROPYLAMINE	330	U	330	U	330	U	330	U
HEXACHLOROETHANE	330	U	330	U	330	U	330	U
NITROBENZENE	330	U	330	U	330	U	330	U
ISOPHORONE	330	U	330	U	330	U	330	U
2-NITROPHENOL	330	U	330	U	330	U	330	U
2,4-DIMETHYLPHENOL	330	U	330	U	330	U	330	U
BENZOIC ACID	1600.	U	1600.	U	1600.	U	1600.	U
BIS(2-CHLOROETHOXY) METHANE	330	U	330	U	330	U	330	U
2,4 DICHLOROPHENOL	330	U	330	U	330	U	330	U
1,2,4 TRICHLOROBENZENE	330	U	330	U	330	U	330	U
NAPHTHALENE	330	U	330	U	66 0	M	330	U
4-CHLOROANILINE	330	U	330	U	330	U	330	U
HEXACHLOROBUTADIENE	330	U	330	U	330	U	330	U
4-CHLORO-3-METHYLPHENOL	330	U	330	U	330	U	330	U
2-METHYLNAPHTHALENE	330	U	330	U	330	U	1200	
HEXACHLOROCYCLOPENTADIENE	330	U	330	U	330	U	[illegible]	U
2,4,6 TRICHLOROPHENOL	330	U	330	U	330	U	[illegible]	U
2,4,5 TRICHLOROPHENOL	1600.	U	1600.	U	1600.	U	[illegible]	U
2-CHLORONAPHTHALENE	330	U	330	U	330	U	[illegible]	U
2-NITROANILINE	1600.	U	1600.	U	1600.	U	[illegible]	U
DIMETHYLPHTHALATE	330	U	330	U	[illegible]	U	[illegible]	U
ACENAPHTHYLENE	330	U	330	U	330	U	330	U
3-NITROANILINE	1600.	U	1600.	U	1600.	U	1600.	U
ACENAPHTHENE	330	U	330	U	330	U	330	U
2,4-DINITROPHENOL	330	U	330	U	330	U	330	U
4-NITROPHENOL	1600.	U	1600.	U	1600.	U	1600.	U
DIBENZOFURAN	330	U	330	U	330	U	[illegible]	U
2,4-DINITROTOLUENE	330	U	330	U	330	U	330	U

ANALYSIS TYPE: SEMIVOLATIL (PAGE 1)

TITLE: SYNTEX
LAB: WCT
SAMPLE PREP: _____ ANALYST/ENTRY: E95

MATRIX: SEDIMENT
METHOD: 9541[illegible]
REVIEWER: [illegible]

UNITS: UG/KG
CASE: 4020
DATE: [illegible]

SAMPLE NUMBERS

COMPOUND	AK651038		AK651039		AK651040		AK651041	
PHENOL	700		330	U	330	U	330	U
BIS(2-CHLOROETHYL) ETHER	330	U	330	U	330	U	330	U
2-CHLOROPHENOL	330	U	330	U	330	U	[illegible]	U
1,3 DICHLOROBENZENE	330	U	330	U	330	U	[illegible]	U
1,4 DICHLOROBENZENE	330	U	330	U	330	U	330	U
BENZYL ALCOHOL	330	U	330	U	330	U	[illegible]	U
1,2 DICHLOROBENZENE	330	U	330	U	330	U	330	U
2-METHYLPHENOL	330	U	330	U	330	U	330	U
BIS(2-CHLOROISOPROPYL)ETHER	330	U	330	U	330	U	330	U
4-METHYLPHENOL	330	U	330	U	330	U	330	U
N-NITROSO-DIPROPYLAMINE	330	U	330	U	330	U	330	U
HEXACHLOROETHANE	330	U	330	U	330	U	330	U
NITROBENZENE	330	U	330	U	330	U	330	U
ISOPHORONE	330	U	330	U	330	U	330	U
2-NITROPHENOL	330	U	330	U	330	U	330	U
2,4-DIMETHYLPHENOL	330	U	330	U	330	U	330	U
BENZOIC ACID	4[illegible]	U	1600.	U	1600.	U	1600.	U
BIS(2-CHLOROETHOXY) METHANE	330	U	330	U	330	U	330	U
2,4-DICHLOROPHENOL	330	U	330	U	330	U	330	U
1,2,4 TRICHLOROBENZENE	330	U	330	U	330	U	330	U
NAPHTHALENE	330	U	[illegible]	U	330	U	[illegible]	U
4-CHLOROANILINE	330	U	330	U	330	U	[illegible]	U
HEXACHLOROBUTADIENE	[illegible]	U	[illegible]	U	330	U	[illegible]	
4-CHLORO-3-METHYLPHENOL	330	U	330	U	[illegible]			
2-METHYLNAPHTHALENE	330	U	330	U	330	U	[illegible]	
HEXACHLOROCYCLOPENTADIENE	330	U	330	U	[illegible]			
2,4,6-TRICHLOROPHENOL	330	U	330	U	330	U	[illegible]	U
2,4,5-TRICHLOROPHENOL	1600.	U	1600.	U	1600.	U	[illegible]	U
2-CHLORONAPHTHALENE	330	U	330	U	330	U	[illegible]	U
2-NITROANILINE	1600.	U	1600.	U	1600.	U	1600.	U
DIMETHYLPHTHALATE	330	U	330	U	330	U	330	U
ACENAPHTHYLENE	330	U	330	U	330	U	330	U
3-NITROANILINE	1600.	U	1600.	U	1600.	U	1600.	U
ACENAPHTHENE	330	U	330	U	330	U	330	U
2,4-DINITROPHENOL	330	U	330	U	330	U	330	U
4-NITROPHENOL	1600.	U	1600.	U	1600	U	1600.	U
DIBENZOFURAN	330	U	330	U	330	U	330	U
2,4-DINITROTOLUENE	330	U	330	U	330	U	330	U

ANALYSIS TYPE: SEMIVOLATILES (PAGE 1)

TITLE: SYNTEX
LAB: WCT
SAMPLE PREP: _____ ANALYST/ENTRY: [illegible]

MATRIX: SEDIMENT
METHOD: [illegible]
REVIEWER: [illegible]

UNITS: UG/KG
CASE: 4020
DATE: [illegible]

SAMPLE NUMBERS

COMPOUND	AK651042		AK651043		AK651044	
PHENOL	330	U	330	U	330	U
BIS(2-CHLOROETHYL) ETHER	330	U	330	U	330	U
2-CHLOROPHENOL	330	U	330	U	330	U
1,3 DICHLOROBENZENE	330	U	330	U	330	U
1,4 DICHLOROBENZENE	330	U	330	U	330	U
BENZYL ALCOHOL	330	U	330	U	330	U
1,2 DICHLOROBENZENE	330	U	330	U	330	U
2 METHYLPHENOL	330	U	330	U	330	U
BIS(2-CHLOROISOPROPYL)ETHER	330	U	330	U	330	U
4 METHYLPHENOL	330	U	330	U	330	U
N-NITROSO DIPROPYLAMINE	330	U	330	U	330	U
HEXACHLOROETHANE	330	U	330	U	330	U
NITROBENZENE	330	U	330	U	330	U
ISOPHORONE	330	U	330	U	330	U
[illegible]	330	U	330	U	330	U
2,4 DIMETHYLPHENOL	330	U	330	U	330	U
BENZOIC ACID	1600.	U	1600.	U	1600.	U
BIS(2 CHLOROETHOXY) METHANE	330	U	330	U	330	U
2,4 DICHLOROPHENOL	330	U	330	U	330	U
1,2,4-TRICHLOROBENZENE	330	U	330	U	330	U
NAPHTHALENE	330	U	330	U	330	U
4 CHLOROANILINE	330	U	330	U	330	U
HEXACHLOROBUTADIENE	330	U	330	U	330	U
4 CHLORO-3-METHYLPHENOL	330	U	330	U	330	U
2-METHYLNAPHTHALENE	330	U	330	U	330	U
HEXACHLOROCYCLOPENTADIENE	330	U	330	U	330	U
2,4,6-TRICHLOROPHENOL	330	U	330	U	330	U
2,4,5-TRICHLOROPHENOL	1600.	U	1600.	U	1600.	U
2-CHLORONAPHTHALENE	330	U	330	U	330	U
2-NITROANILINE	1600	U	1600.	U	1600.	U
[illegible]	330	U	330	U	330	U
[illegible]	[illegible]	U	[illegible]	U	[illegible]	U
[illegible]	[illegible]	U	[illegible]	U	[illegible]	U
[illegible]	[illegible]		[illegible]		[illegible]	
[illegible]	[illegible]	U	[illegible]	U	[illegible]	
[illegible]	[illegible]		[illegible]		[illegible]	
DIBENZOFURAN	[illegible]	U	[illegible]	U	[illegible]	U
2,4-DINITROTOLUENE	330	U	[illegible]	U	[illegible]	

ANALYSIS TYPE: SEMIVOLATILES (PAGE 2)

TITLE: SYNTEX
LAB: WCT
SAMPLE PREP: _____ ANALYST/ENTRY: E96

MATRIX: SEDIMENT
METHOD: 8541M
REVIEWER: _____

UNITS: UG/KG
CASE: 4370
DATE: [illegible]

SAMPLE NUMBERS

COMPOUND	AK651042		AK651043		AK651044	
2,6-DINITROTOLUENE	330	U	330	U	330	U
DIETHYLPHTHALATE	330	U	330	U	330	U
4 CHLOROPHENYL PHENYL ETHER	330	U	330	U	330	U
FLUORENE	330	U	330	U	330	U
4 NITROANILINE	1600.	U	1600.	U	1600.	U
4,6-DINITRO-2-METHYLPHENOL	1600.	U	1600.	U	1600.	U
N-NITROSODIPHENYLAMINE	330	U	330	U	330	U
4-BROMOPHENYL PHENYL ETHER	330	U	330	U	330	U
HEXACHLOROBENZENE	330	U	330	U	330	U
PENTACHLOROPHENOL	1600.	U	1600.	U	1600.	U
PHENANTHRENE	330	U	330	U	330	U
ANTHRACENE	330	U	330	U	330	U
DI-N-BUTYLPHTHALATE	330	U	330	U	330	U
FLUORANTHENE	330	U	330	U	330	U
PYRENE	330	U	46.0	M	330	U
BUTYL BENZYL PHTHALATE	330	U	1600.		330	U
3,3' DICHLOROBENZIDINE	660	U	660	U	660	U
BENZO(A)ANTHRACENE	330	U	330	U	330	U
BIS(2-ETHYLHEXYL)PHTHALATE	30.0	M	110	M	65.0	M
CHRYSENE	330	U	330	U	330	U
DI-N-OCTYL PHTHALATE	330	U	330	U	330	U
BENZO(B)FLUORANTHENE	330	U	330	U	330	U
BENZO(K)FLUORANTHENE	330	U	330	U	330	U
BENZO(A)PYRENE	330	U	330	U	330	U
INDENO(1,2,3-CD)PYRENE	330	U	330	U	330	U
DIBENZO(A,H)ANTHRACENE	330	U	330	U	330	U
BENZO(G,H,I)PERYLENE	330	U	330	U	330	U

ANALYSIS TYPE: SEMIVOLATILES (PAGE 1)

TITLE: SYNTEX
LAB: ENS
SAMPLE PREP._____ ANALYSIS/ENTRY: LBS

MATRIX: SEDIMENT
METHOD: [illegible]
REVIEWER: [illegible]

UNITS: UG/KG
[illegible]
DATE: [illegible]

SAMPLE NUMBERS

AK61045

COMPOUND		
PHENOL	330	U
BIS(2-CHLOROETHYL) ETHER	330	U
2 CHLOROPHENOL	330	U
1,3 DICHLOROBENZENE	330	U
1,4 DICHLOROBENZENE	330	U
BENZYL ALCOHOL	330	U
1,2 DICHLOROBENZENE	330	U
2-METHYLPHENOL	330	U
BIS(2 CHLOROISOPROPYL)ETHER	330	U
4-METHYLPHENOL	330	U
N NITROSO-DIPROPYLAMINE	330	U
HEXACHLOROETHANE	330	U
NITROBENZENE	330	U
ISOPHORONE	330	U
2 NITROPHENOL	330	U
2,4 DIMETHYLPHENOL	330	U
BENZOIC ACID	1600.	U
BIS(2-CHLOROETHOXY) METHANE	330	U
2,4 DICHLOROPHENOL	330	U
1,2,4 TRICHLOROBENZENE	330	U
NAPHTHALENE	2.00	M
4-CHLOROANILINE	330	U
HEXACHLOROBUTADIENE	330	U
4-CHLORO-3 METHYLPHENOL	330	U
2 METHYLNAPHTHALENE	330	U
HEXACHLOROCYCLOPENTADIENE	330	U
2,4,6-TRICHLOROPHENOL	330	U
2,4,5 TRICHLOROPHENOL	1600.	U
2 CHLORONAPHTHALENE	330	U
2 NITROANILINE	1600.	U
DIMETHYLPHTHALATE	330	U
ACENAPHTHYLENE	330	U
3-NITROANILINE	1600.	U
ACENAPHTHENE	330	U
2,4-DINITROPHENOL	330	U
4-NITROPHENOL	1600.	U
DIBENZOFURAN	330	U
2,4-DINITROTOLUENE	330	U

ANALYSIS TYPE: SEMIVOLATILES (PAGE 1)

TITLE: SYNTEX
LAB: ENV
SAMPLE PREP: _____ ANALYST/ENTRY: E92

MATRIX: WATER
METHOD: [illegible]
REVIEWER: [illegible]

UNITS: UG/L
FILE: [illegible]
DATE: 04/[illegible]/96

SAMPLE NUMBERS

COMPOUND		AK651046		AK651047		AK651048		AK651049	
PHENOL	I		I		I	10.0	U		
BIS(2-CHLOROETHYL) ETHER	I	10.0	U	10.0	U	10.0	U		
2 CHLOROPHENOL	I		I		I	1.00	M		
1,3 DICHLOROBENZENE	I	0.9	M	6.00	M	6.00	M		
1,4 DICHLOROBENZENE	I	10.0	M	130		130			
BENZYL ALCOHOL	I	10.0	U	15.0		10.0	U		
1,2 DICHLOROBENZENE	I	0.9	M	15.0		7.00	M		
2 METHYLPHENOL	I		I		I	10.0	U		
BIS(2-CHLOROISOPROPYL)ETHER	I	10.0	U	10.0	U	10.0	U		
4-METHYLPHENOL	I		I		I	10.0	U		
N NITROSO-DIPROPYLAMINE	I	10.0	U	10.0	U	10.0	U		
HEXACHLOROETHANE	I	10.0	U	10.0	U	10.0	U		
NITROBENZENE	I	10.0	U	10.0	U	10.0	U		
ISOPHORONE	I	10.0	U	10.0	U	10.0	U		
2-NITROPHENOL	I		I		I	10.0	U		
2,4-DIMETHYLPHENOL	I		I		I	7.00	M		
BENZOIC ACID	I		I		I	50.0	U		
BIS(2-CHLOROETHOXY) METHANE	I	10.0	U	10.0	U	10.0	U		
2,4 DICHLOROPHENOL	I		I		I	10.0	U		
1,2,4 TRICHLOROBENZENE	I	10.0	U	22.0		5.00	M		
NAPHTHALENE	I	10.0	U	3.00	M	2.00	M		
4-CHLOROANILINE	I	10.0	U	10.0	U	10.0	U		
HEXACHLOROBUTADIENE	I	10.0	U	10.0		10.0	U		
4-CHLORO-3-METHYLPHENOL	I		I		I	10.0	U		
2 METHYLNAPHTHALENE	I	10.0	U	2.00	M	2.00	M		
HEXACHLOROCYCLOPENTADIENE	I	10.0	U	10.0	U	10.0	U		
2,4,6-TRICHLOROPHENOL	I		I		I	10.0	U		
2,4,5 TRICHLOROPHENOL	I		I		I	10.0	U		
2-CHLORONAPHTHALENE	I	10.0	U	10.0	U	10.0	U		
2-NITROANILINE	I	50.0	U	50.0	U	50.0	U		
DIMETHYLPHTHALATE	I	10.0	U	10.0	U	10.0	U		
ACENAPHTHYLENE	I	10.0	U	10.0	U	10.0	U		
3-NITROANILINE	I	50.0	U	50.0	U	50.0	U		
ACENAPHTHENE	I	10.0	U	10.0	U	10.0	U		
2,4-DINITROPHENOL	I		I		I	50.0	U		
4-NITROPHENOL	I		I		I	50.0	U		
DIBENZOFURAN	I	10.0	U	10.0	U	10.0	U		
2,4-DINITROTOLUENE	I	10.0	U	10.0	U	10.0	U		

ANALYSIS TYPE: SEMIVOLATIL (PAGE 1)

TITLE: SYNTEX
LAB: ENV
SAMPLE PREP: _____ ANALYST/ENTRY: E22

MATRIX: WATER
METHOD: 2521[illegible]
REVIEWER: [illegible]

UNITS: UG/L
CASE: 4976
DATE: 04/16/86

SAMPLE NUMBERS

COMPOUND	AK651050		AK651051P	
PHENOL	10.0	U	1.00	M
BIS(2-CHLOROETHYL) ETHER	10.0	U	10.0	U
2-CHLOROPHENOL	10.0	U	10.0	U
1,3 DICHLOROBENZENE	10.0	U	10.0	U
1,4 DICHLOROBENZENE	10.0	U	10.0	U
BENZYL ALCOHOL	10.0	U	10.0	U
1,2 DICHLOROBENZENE	10.0	U	10.0	U
2-METHYLPHENOL	10.0	U	10.0	U
BIS(2-CHLOROISOPROPYL)ETHER	10.0	U	10.0	U
4-METHYLPHENOL	10.0	U	10.0	U
N-NITROSO-DIPROPYLAMINE	10.0	U	10.0	U
HEXACHLOROETHANE	10.0	U	10.0	U
NITROBENZENE	10.0	U	10.0	U
ISOPHORONE	10.0	U	10.0	U
2-NITROPHENOL	10.0	U	10.0	U
2,4-DIMETHYLPHENOL	10.0	U	10.0	U
BENZOIC ACID	50.0	U	50.0	U
BIS(2-CHLOROETHOXY) METHANE	10.0	U	10.0	U
2,4-DICHLOROPHENOL	10.0	U	10.0	U
1,2,4-TRICHLOROBENZENE	10.0	U	10.0	U
NAPHTHALENE	10.0	U	10.0	U
4-CHLOROANILINE	10.0	U	10.0	U
HEXACHLOROBUTADIENE	10.0	U	10.0	U
4-CHLORO-3-METHYLPHENOL	10.0	U	10.0	U
2-METHYLNAPHTHALENE	10.0	U	10.0	U
HEXACHLOROCYCLOPENTADIENE	10.0	U	10.0	U
2,4,6-TRICHLOROPHENOL	10.0	U	10.0	U
2,4,5-TRICHLOROPHENOL	50.0	U	50.0	U
2-CHLORONAPHTHALENE	10.0	U	10.0	U
2-NITROANILINE	50.0	U	50.0	U
DIMETHYL PHTHALATE	10.0	U	10.0	U
ACENAPHTHYLENE	10.0		10.0	U
2,6-DINITROTOLUENE	10.0	U	10.0	U
ACENAPHTHENE	10.0	U	10.0	U
3-NITROANILINE	50.0	U	50.0	U
2,4-DINITROPHENOL	50.0	U	50.0	U
4-NITROPHENOL	50.0	U	50.0	U
DIBENZOFURAN	10.0	U	10.0	U
2,4-DINITROTOLUENE	10.0	U	10.0	U

ANALYSIS TYPE: SEMIVOLATILES (PAGE 2)

TITLE: SYNTEX
LAB: UST
SAMPLE PREP: _____ ANALYST/ENTRY: [illegible]

MATRIX: SEDIMENT
METHOD: [illegible]
REVIEWER: [illegible]

UNITS: UG/KG
CASE: [illegible]
DATE: [illegible]

SAMPLE NUMBERS

COMPOUND	AK651020		AK651021		AK651022		[illegible]	
2,6-DINITROTOLUENE	330	U	330	U	330	U	[illegible]	U
DIETHYLPHTHALATE	330	U	330	U	330	U	[illegible]	[illegible]
4-CHLOROPHENYL PHENYL ETHER	330	U	330	U	330	U	[illegible]	[illegible]
FLUORENE	330	U	330	U	330	U	330	U
4-NITROANILINE		I		I		I		I
4,6-DINITRO-2-METHYLPHENOL		I		I		I		I
N-NITROSODIPHENYLAMINE		I		I		I		I
4-BROMOPHENYL PHENYL ETHER	330	U	330	U	330	U	330	U
HEXACHLOROBENZENE	330	U	330	U	330	U	330	U
PENTACHLOROPHENOL	1600.	U	1600.	U	1600.	U	1600.	U
PHENANTHRENE	330	U	330	U	330	U	330	U
ANTHRACENE	330	U	330	U	330	U	330	U
DI-N-BUTYLPHTHALATE	330	U	330	U	330	U	[illegible]	U
FLUORANTHENE	330	U	330	U	330	U	[illegible]	[illegible]
PYRENE	330	U	330	U	330	U	330	U
BUTYL BENZYL PHTHALATE	330	U	330	U	330	U	[illegible]	[illegible]
3,3'-DICHLOROBENZIDINE		I		I		I		I
BENZO(A)ANTHRACENE	330	U	330	U	330	U	330	U
BIS(2-ETHYLHEXYL)PHTHALATE	330	U	330	U	330	U	330	U
CHRYSENE	330	U	330	U	330	U	330	U
DI-N-OCTYL PHTHALATE	330	U	330	U	330	U	[illegible]	[illegible]
BENZO(B)FLUORANTHENE	330	U	330	U	330	U	330	U
BENZO(K)FLUORANTHENE	330	U	330	U	330	U	[illegible]	U
BENZO(A)PYRENE	330	U	330	U	330	U	330	U
INDENO(1,2,3-CD)PYRENE	330	U	330	U	330	U	330	U
DIBENZO(A,H)ANTHRACENE	330	U	330	U	330	U	330	U
BENZO(G,H,I)PERYLENE	330	U	330	U	330	U	330	U

ANALYSIS TYPE: SEMIVOLATILES (PAGE 2)

TITLE: SYNTEX
LAB: UST
SAMPLE PREP: _____ ANALYST/ENTRY: DBZ

MATRIX: SEDIMENT
METHOD: 9270/8000
REVIEWER: _____

UNITS: UG/KG
CASE: 4577
DATE: 04/15/86

SAMPLE NUMBERS

COMPOUND	AK651024		AK651025		AK651026		AK651027	
2,6-DINITROTOLUENE	330	U	330	U	330	U	330	U
DIETHYLPHTHALATE	330	U	330	U	330	U	330	U
4 CHLOROPHENYL PHENYL ETHER	330	U	330	U	330	U	330	U
FLUORENE	330	U	330	U	330	U	330	U
4-NITROANILINE		I		I		I		I
4,6-DINITRO-2-METHYLPHENOL		I		I		I		I
N-NITROSODIPHENYLAMINE		I		I		I		I
4-BROMOPHENYL PHENYL ETHER	330	U	330	U	330	U	330	U
HEXACHLOROBENZENE	330	U	330	U	330	U	330	U
PENTACHLOROPHENOL	1600.	U	1600.	U	1600.	U	1600.	U
PHENANTHRENE	330	U	330	U	330	U	330	U
ANTHRACENE	330	U	330	U	330	U	330	U
DI-N-BUTYLPHTHALATE	330	U	330	U	330	U	330	U
FLUORANTHENE	330	U	330	U	330	U	330	U
PYRENE	330	U	330	U	330	U	330	U
BUTYL BENZYL PHTHALATE	330	U	330	U	330	U	330	U
3,3' DICHLOROBENZIDINE		I		I		I		I
BENZO(A)ANTHRACENE	330	U	330	U	330	U	330	U
BIS(2-ETHYLHEXYL)PHTHALATE	330	U	330	U	330	U	330	U
CHRYSENE	330	U	330	U	330	U	330	U
DI-N OCTYL PHTHALATE	330	U	330	U	330	U	330	U
BENZO(B)FLUORANTHENE	330	U	330	U	330	U	330	U
BENZO(K)FLUORANTHENE	330	U	330	U	330	U	330	U
BENZO(A)PYRENE	330	U	330	U	330	U	330	U
INDENO(1,2,3-CD)PYRENE	330	U	330	U	330	U	330	U
DIBENZO(A,H)ANTHRACENE	330	U	330	U	330	U	330	U
BENZO(G,H,I)PERYLENE	330	U	330	U	330	U	330	U

NALYSIS TYPE: SEMIVOLATILE (PAGE 2)

TITLE: SYNTEX
LAB: UST
SAMPLE PREP: _____ ANALYST/ENTRY: E07

MATRIX: SEDIMENT
METHOD: 8270MOD
REVIEWER: _____

UNITS: UG/KG
CASE: 1527
DATE: 04/15/86

SAMPLE NUMBERS

COMPOUND	AK651028		AK651029		AK651030		AK651031	
2,6-DINITROTOLUENE	330	U	330	U	330	U	[illegible]	U
DIETHYLPHTHALATE	330	U	330	U	330	U	[illegible]	U
4-CHLOROPHENYL PHENYL ETHER	330	U	330	U	330	U	[illegible]	U
FLUORENE	330	U	330	U	330	U	[illegible]	U
4-NITROANILINE		I		I		I		I
4,6-DINITRO-2-METHYLPHENOL		I		I		I		I
N-NITROSODIPHENYLAMINE		I		I		I		I
4-BROMOPHENYL PHENYL ETHER	330	U	330	U	330	U	330	U
HEXACHLOROBENZENE	330	U	330	U	330	U	330	U
PENTACHLOROPHENOL	1600.	U	1600.	U	1600.	U	1600.	U
PHENANTHRENE	330	U	330	U	330	U	330	U
ANTHRACENE	330	U	330	U	330	U	330	U
DI-N-BUTYLPHTHALATE	330	U	330	U	330	U	330	
FLUORANTHENE	330	U	330	U	330	U	330	U
PYRENE	[illegible]	U	330	U	330	U	[illegible]	U
[illegible]	[illegible]	U	[illegible]	[illegible]	[illegible]	U	[illegible]	[illegible]
[illegible]								
[illegible]	[illegible]	U	330	[illegible]	[illegible]	U	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]
DI-N-OCTYL PHTHALATE	330	U	330	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
BENZO(B)FLUORANTHENE	330	U	330	U	330	U	330	[illegible]
BENZO(K)FLUORANTHENE	330	U	330	U	330	U	[illegible]	[illegible]
BENZO(A)PYRENE	330	U	330	U	330	U	[illegible]	[illegible]
INDENO(1,2,3-CD)PYRENE	330	U	330	U	330	U	330	U
DIBENZO(A,H)ANTHRACENE	330	U	330	U	330	U	330	U
BENZO(G,H,I)PERYLENE	330	U	330	U	330	U	[illegible]	U

ANALYSIS TYPE: SEMIVOLATILES (PAGE 2)

TITLE: SYNTEX
LAB: UST
SAMPLE PREP: _____ ANALYST/ENTRY: E07

MATRIX: SEDIMENT
METHOD: 9[illegible]
REVIEWER: [illegible]

UNITS: UG/KG
CASE: 4[illegible]
DATE: 04/[illegible]/86

SAMPLE NUMBERS

COMPOUND	AK651032		AK651033	
2,6-DINITROTOLUENE	330	U	330	U
DIETHYLPHTHALATE	66.0	M	330	U
4-CHLOROPHENYL PHENYL ETHER	330	U	330	U
FLUORENE	330	U	330	U
4-NITROANILINE		I		I
4,6-DINITRO-2 METHYLPHENOL		I		I
N-NITROSODIPHENYLAMINE		I		I
4-BROMOPHENYL PHENYL ETHER	330	U	330	U
HEXACHLOROBENZENE	330	U	330	U
PENTACHLOROPHENOL	1600.	U	1600.	U
PHENANTHRENE	330	U	330	U
ANTHRACENE	330	U	330	U
DI-N-BUTYLPHTHALATE	330	U	330	U
FLUORANTHENE	330	U	330	U
PYRENE	330	U	330	U
BUTYL BENZYL PHTHALATE	330	U	330	U
3,3'-DICHLOROBENZIDINE		I		I
BENZO(A)ANTHRACENE	330	U	330	U
BIS(2-ETHYLHEXYL)PHTHALATE	33.0	M	330	U
CHRYSENE	330	U	330	U
DI-N-OCTYL PHTHALATE	330	U	330	U
BENZO(B)FLUORANTHENE	330	U	330	U
BENZO(K)FLUORANTHENE	330	U	330	U
BENZO(A)PYRENE	330	U	330	U
INDENO(1,2,3-CD)PYRENE	330	U	330	U
DIBENZO(A,H)ANTHRACENE	330	U	330	U
BENZO(G,H,I)PERYLENE	330	U	330	U

ANALYSIS TYPE: SEMIVOLATILES (PAGE 2)

TITLE: SYNTEX
LAB: WCT
SAMPLE PREP: _____ ANALYST/ENTRY: E96

MATRIX: SEDIMENT
METHOD: [illegible]
REVIEWER: _____

UNITS: [illegible]
CASE: [illegible]
DATE: [illegible]

SAMPLE NUMBERS

COMPOUND	AK651034		AK651035		AK651036		[illegible]	
2,6-DINITROTOLUENE	330	U	330	U	330	U	330	U
DIETHYLPHTHALATE	330	U	330	U	330	U	330	U
4-CHLOROPHENYL PHENYL ETHER	330	U	330	U	330	U	330	U
FLUORENE	330	U	330	U	330	U	350	
4-NITROANILINE	1600.	U	1600.	U	1600.	U	1600.	U
4,6-DINITRO-2-METHYLPHENOL	1600.	U	1600.	U	1600.	U	1600.	U
N-NITROSODIPHENYLAMINE	330	U	330	U	330	U	330	U
4-BROMOPHENYL PHENYL ETHER	330	U	330	U	330	U	330	U
HEXACHLOROBENZENE	330	U	330	U	330	U	330	U
PENTACHLOROPHENOL	1600.	U	1600.	U	1600.	U	1600.	U
PHENANTHRENE	330	U	330	U	510		1700.	
ANTHRACENE	330	U	330	U	330	U	330	U
DI-N-BUTYLPHTHALATE	330	U	330	U	330	U	330	U
FLUORANTHENE	330	U	330	U	330	U	370	U
PYRENE	330	U	330	U	330	U	350	U
BUTYL BENZYL PHTHALATE	330	U	330	U	330	U	330	U
3,3' DICHLOROBENZIDINE	660	U	660	U	660	U	660	U
BENZO(A)ANTHRACENE	330	U	330	U	330	U	330	U
BIS(2-ETHYLHEXYL)PHTHALATE	1600.		150	M	330	U	120	M
CHRYSENE	330	U	330	U	330	U	330	U
DI-N-OCTYL PHTHALATE	330	U	330	U	330	U	330	U
BENZO(B)FLUORANTHENE	330	U	330	U	330	U	330	U
BENZO(K)FLUORANTHENE	330	U	330	U	330	U	330	U
BENZO(A)PYRENE	330	U	330	U	330	U	330	U
INDENO(1,2,3-CD)PYRENE	330	U	330	U	330	U	330	U
DIBENZO(A,H)ANTHRACENE	330	U	330	U	330	U	330	U
BENZO(G,H,I)PERYLENE	330	U	330	U	330	U	330	U

NALYSIS TYPE: SEMIVOLATILE (PAGE 2)

TITLE: SYNTEX
LAB: WCT
SAMPLE PREP: _____ ANALYST/ENTRY: E96

MATRIX: SEDIMENT
METHOD: 8541NOSM
REVIEWER: _____

UNITS: UG/KG
CASE: 4[illegible]
DATE: [illegible]

SAMPLE NUMBERS

COMPOUND	AK651038		AK651039		AK651040		AK651041	
2,6-DINITROTOLUENE	330	U	330	U	330	U	[illegible]	U
DIETHYLPHTHALATE	330	U	330	U	330	U	[illegible]	U
4-CHLOROPHENYL PHENYL ETHER	330	U	330	U	330	U	[illegible]	U
FLUORENE	330	U	330	U	330	U	[illegible]	U
4-NITROANILINE	1600.	U	1600.	U	1600.	U	[illegible]	U
4,6-DINITRO-2-METHYLPHENOL	1600.	U	1600.	U	1600.	U	[illegible]	U
N-NITROSODIPHENYLAMINE	330	U	330	U	330	U	[illegible]	U
4-BROMOPHENYL PHENYL ETHER	330	U	330	U	330	U	330	U
HEXACHLOROBENZENE	330	U	330	U	330	U	330	U
PENTACHLOROPHENOL	1600.	U	1600.	U	1600.	U	1600.	U
[illegible]	330	U	45.0	M	330	U	330	U
[illegible]	330	U	330	U	330	U	[illegible]	U
[illegible]	[illegible]	U	[illegible]	U	[illegible]	U	[illegible]	U
[illegible]	[illegible]	U	[illegible]	U	[illegible]			
[illegible]	[illegible]	U	[illegible]	U	[illegible]	U	[illegible]	
[illegible]	330	U	330	U	[illegible]	U	[illegible]	
3,3'-DICHLOROBENZIDINE	[illegible]	U	660	U	[illegible]	U	[illegible]	U
BENZO(A)ANTHRACENE	330	U	330	U	330	U	[illegible]	U
BIS(2-ETHYLHEXYL)PHTHALATE	24.0	M	40.0	M	40.0			
CHRYSENE	330	U	330	U	330	U	[illegible]	U
DI-N-OCTYL PHTHALATE	330	U	330	U	330	U	[illegible]	U
BENZO(B)FLUORANTHENE	330	U	330	U	330	U	[illegible]	U
BENZO(K)FLUORANTHENE	330	U	330	U	330	U	330	U
BENZO(A)PYRENE	330	U	330	U	330	U	330	U
INDENO(1,2,3-CD)PYRENE	330	U	330	U	330	U	330	U
DIBENZO(A,H)ANTHRACENE	330	U	330	U	330	U	330	U
BENZO(G,H,I)PERYLENE	330	U	330	U	330	U	330	U

ANALYSIS TYPE: SEMIVOLATILES (PAGE 2

TITLE: SYNTEX
LAB: ENV
SAMPLE PREP: _____ ANALYST/ENTRY: E90

MATRIX: SEDIMENT
METHOD: 25[illegible]M00
REVIEWER: [illegible] LT

UNITS: [illegible]
SAMPLE: [illegible]
DATE: [illegible]

SAMPLE NUMBERS

AF[illegible]1045

CHEMICAL		
[illegible]	[illegible]	U
DIETHYLPHTHALATE	~~[illegible]~~ 330	U Lm
4-CHLOROPHENYL PHENYL ETHER	330	U
FLUORENE	[illegible]	U
4-NITROANILINE		J
4,6-DINITRO-2 METHYL PHENOL	1600.	U
[illegible]	[illegible]	U
[illegible] ETHER	[illegible]	U
HEXACHLOROBENZENE	[illegible]	U
PENTACHLOROPHENOL	[illegible]	U
PHENANTHRENE	[illegible]	U
ANTHRACENE	[illegible]	U
DI-N-BUTYLPHTHALATE	330	U
FLUORANTHENE	330	U
PYRENE	330	U
BUTYL BENZYL PHTHALATE	[illegible]	U
3,3' DICHLOROBENZIDINE	[illegible]	U
BENZO(A)ANTHRACENE	[illegible]	[illegible]
BIS(2-ETHYLHEXYL)PHTHALATE	330	[illegible]
CHRYSENE	330	U
DI-N-OCTYL PHTHALATE	330	U
DIBENZO(A,H)ANTHRACENE	[illegible]	U
BENZO(K)FLUORANTHENE	330	U
BENZO(A)PYRENE	330	U
INDENO(1,2,3-CD)PYRENE	330	U
DIBENZO(A,H)ANTHRACENE	330	U
BENZO(G,H,I)PERYLENE	330	U

ANALYSIS TYPE: SEMIVOLATILES (PAGE 2)

TITLE: SYNTEX
LAB: ENV
SAMPLE PREP: _____ ANALYST/ENTRY: E73

MATRIX: WATER
METHOD: 9021/8
REVIEWER: [illegible]

UNITS: UG/L
CASE: 4075
DATE: 04/16/05

SAMPLE NUMBERS

COMPOUND	AK651046		AK651047		AK651048		AK651049	
2,6-DINITROTOLUENE	I	10.0	U	10.0	U	10.0	U	
DIETHYLPHTHALATE	I	10.0	U	10.0	U	10.0	U	
4-CHLOROPHENYL PHENYL ETHER	I	10.0	U	10.0	U	10.0	U	
FLUORENE	I	10.0	U	10.0	U	10.0	U	
4 NITROANILINE	I		I		I		I	
4,6-DINITRO 2-METHYLPHENOL	I		I		I	50.0	U	
N-NITROSODIPHENYLAMINE	I	10.0	U	10.0	U	10.0	U	
4 BROMOPHENYL PHENYL ETHER	I	10.0	U	10.0	U	10.0	U	
HEXACHLOROBENZENE	I	10.0	U	10.0	U	10.0	U	
PENTACHLOROPHENOL	I		I		I	50.0	U	
PHENANTHRENE	I	10.0	U	10.0	U	10.0	U	
ANTHRACENE	I	10.0	U	10.0	U	10.0	U	
DI-N-BUTYLPHTHALATE	I	10.0	U	10.0	U	10.0	U	
FLUORANTHENE	I	10.0	U	10.0	U	10.0	U	
PYRENE	I	10.0	U	10.0	U	10.0	U	
BUTYL BENZYL PHTHALATE	I	10.0	U	10.0	U	10.0	U	
3,3' DICHLOROBENZIDINE	I	20.0	U	20.0	U	20.0	U	
BENZO(A)ANTHRACENE	I	10.0	U	10.0	U	10.0	U	
BIS(2-ETHYLHEXYL)PHTHALATE	I	170	U	340	J	10.0	U	
CHRYSENE	I	10.0	U	10.0	U	10.0	U	
DI-N-OCTYL PHTHALATE	I	16.0		1.00	M	10.0	U	
BENZO(B)FLUORANTHENE	I	10.0	U	10.0	U	10.0	U	
BENZO(K)FLUORANTHENE	I	10.0	U	10.0	U	10.0	U	
BENZO(A)PYRENE	I	10.0	U	10.0	U	10.0	U	
INDENO(1,2,3-CD)PYRENE	I	10.0	U	10.0	U	10.0	U	
DIBENZO(A,H)ANTHRACENE	I	10.0	U	10.0	U	10.0	U	
BENZO(G,H,I)PERYLENE	I	10.0	U	10.0	U	10.0	U	

ANALYSIS TYPE: SEMIVOLATIL (PAGE 2)

TITLE: SYNTEX
LAB: ENV
SAMPLE PREP: _____ ANALYST/ENTRY: E93

MATRIX: WATER
METHOD: 8270
REVIEWER: _____

UNITS: UG/L
CASE: 4976
DATE: 04/16/86

SAMPLE NUMBERS

COMPOUND	AK651050		AK651051F	
2,6-DINITROTOLUENE	10.0	U	10.0	U
DIETHYLPHTHALATE	10.0	U	10.0	U
4-CHLOROPHENYL PHENYL ETHER	10.0	U	10.0	U
FLUORENE	10.0	U	10.0	U
4-NITROANILINE		I		I
4,6-DINITRO-2-METHYLPHENOL	50.0	U	50.0	U
N-NITROSODIPHENYLAMINE	10.0	U	10.0	U
4-BROMOPHENYL PHENYL ETHER	10.0	U	10.0	U
HEXACHLOROBENZENE	10.0	U	10.0	U
PENTACHLOROPHENOL	50.0	U	50.0	U
PHENANTHRENE	10.0	U	10.0	U
ANTHRACENE	10.0	U	10.0	U
DI-N-BUTYLPHTHALATE	10.0	U	10.0	U
FLUORANTHENE	10.0	U	10.0	U
PYRENE	10.0	U	10.0	U
BUTYL BENZYL PHTHALATE	10.0	U	10.0	U
3,3' DICHLOROBENZIDINE	20.0	U	20.0	U
BENZO(A)ANTHRACENE	10.0	U	10.0	U
BIS(2-ETHYLHEXYL)PHTHALATE	10.0	U	22.0	
CHRYSENE	10.0	U	10.0	U
DI-N-OCTYL PHTHALATE	10.0	U	10.0	U
BENZO(B)FLUORANTHENE	10.0	U	10.0	U
BENZO(K)FLUORANTHENE	10.0	U	10.0	U
BENZO(A)PYRENE	10.0	U	10.0	U
INDENO(1,2,3-CD)PYRENE	10.0	U	10.0	U
DIBENZO(A,H)ANTHRACENE	10.0	U	10.0	U
BENZO(G,H,I)PERYLENE	10.0	U	10.0	U

ANALYSIS TYPE: PESTICIDES

TITLE: SYNTEX
LAB: ENV
SAMPLE PREP: _____ ANALYST/ENTRY: E71

MATRIX: SEDIMENT
METHOD: 257.100
REVIEWER: DM LT

UNITS: UG/KG
CASE: 4[illegible]
DATE: 04/[illegible]/86

SAMPLE NUMBERS

AK651045

COMPOUND		
ALPHA-BHC	80.0	U
BETA BHC	80.0	U
DELTA-BHC	80.0	U
GAMMA-BHC	80.0	U
HEPTACHLOR	80.0	U
ALDRIN	80.0	U
HEPTACHLOR EPOXIDE	80.0	U
ENDOSULFAN I	80.0	U
DIELDRIN	160	U
4,4'-DDE	160	U
ENDRIN	160	U
ENDOSULFAN II	160	U
4,4'-DDD	160	U
ENDRIN ALDEHYDE	160	U
ENDOSULFAN SULFATE	160	U
4,4'-DDT	160	U
ENDRIN KETONE	160	U
METHOXYCHLOR	800	U
CHLORDANE	800	U
TOXAPHENE	1600.	U
AROCLOR-1016	800	U
AROCLOR-1221	800	U
AROCLOR-1232	800	U
AROCLOR-1242	800	U
AROCLOR-1248	800	U
AROCLOR-1254	1600.	U
AROCLOR-1260	1600.	U

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 7
25 FUNSTON ROAD
KANSAS CITY, KANSAS 66115

DATE: June 16, 1986

MEMORANDUM

SUBJECT: Syntex Agribusiness Co., Aurora, Missouri

FROM: Charles P. Hensley
Chief, EP&R/ENSV

TO: Robert L. Morby
Chief, SPFD/WSTM

Attached for your review is:

X Data Transmittal

_ Work Plan

_ Trip Report

_ Preliminary Assessment

_ HRS Form with Supporting Documentation

_ Final Report of Site Investigation

_

If you have any questions or comments, please contact Paul Doherty at 236-3888.

Attachments

cc: X E&E

_ LABO

_ EP&R

_ TOPE

_ RCRA

_ SPFD

_ ENSV

_

John C. Wicklund
Director, ENSV

JUN 16 1986

DIOXIN RECENT REPORT 06/14/86

EPORT FOR SITE: SYNTEX PROPERTY

ITE	EPA NO	VALUE	C	R	V	UNITS	SAMPLED	DESCRIPTION
YN	DK651001	1.000	U		V	NG/L	04/22/86	WATER MONITORING WELL #1
YN	DK651002	1.000	U		V	NG/L	04/22/86	WATER MONITORING WELL # 5
YN	DK651003	1.000	U		V	NG/L	04/22/86	WATER MONITORING WELL # 6
YN	DK651004	1.000	U		V	NG/L	04/22/86	WATER MONITORING WELL # 7
YN	DK651005	1.000	U		V	NG/L	04/22/86	WATER MONITORING WELL # 8
YN	DK651007	0.540			V	NG/GM	04/24/86	SEDIMENT COMPOSITE SOIL SAMPLE CORR. TO SYN #N-T-1341;3994.0000
YN	DK651008	0.300			V	NG/GM	04/24/86	SEDIMENT COMPOSITE SOIL SAMPLE CORR. TO SYNTEX #T-SMALL; 3892.0000
YN	DK651009	0.610			V	NG/GM	04/24/86	SEDIMENT COMPOSITE SOIL SAMPLE CORR. TO SYNTEX #S-T-1301; 3981.0000

Gary K

DATE: July 3,1986

MEMORANDUM

SUBJECT: DIOXIN DATA TRANSMITTAL FOR DK651

FROM: ROBERT D. KLEOPFER RDK
ACTING CHIEF, LABORATORY BRANCH, ENSV

TO: CHARLES HENSLEY
CHIEF, EP&R-ENSV

The following are the data results for DK651.

This data represents a [ ] PARTIAL [X] COMPLETE transmittal.

ITE	EPA NO	VALUE	C	V	UNITS	SAMPLED	DESCRIPTION
YN	DK651001	1.000	U	V	NG/L	04/22/86	WATER MONITORING WELL #1
YN	DK651002	1.000	U	V	NG/L	04/22/86	WATER MONITORING WELL # 5
YN	DK651003	1.000	U	V	NG/L	04/22/86	WATER MONITORING WELL # 6
YN	DK651004	1.000	U	V	NG/L	04/22/86	WATER MONITORING WELL # 7
YN	DK651005	1.000	U	V	NG/L	04/22/86	WATER MONITORING WELL # 8
YN	DK651007	0.540		V	NG/GM	04/24/86	SEDIMENT COMPOSITE SOIL SAMPLE CORR. TO SYN #N-T-1341;3994.0000
YN	DK651008	0.300		V	NG/GM	04/24/86	SEDIMENT COMPOSITE SOIL SAMPLE CORR. TO SYNTEX #T-SMALL; 3892.0000
YN	DK651009	0.610		V	NG/GM	04/24/86	SEDIMENT COMPOSITE SOIL SAMPLE CORR. TO SYNTEX #S-T-1301; 3981.0000

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 7
25 FUNSTON ROAD
KANSAS CITY, KANSAS 66115

DATE: 7-10-86

MEMORANDUM

SUBJECT: Syntex Data Transmittal

FROM: Charles P. Hensley
Chief, EP&R/ENSV

TO: Robert L. Morby
Chief, SPFD/WSTM

Attached for your review is:

X Data Transmittal

_ Work Plan

_ Trip Report

_ Preliminary Assessment

_ HRS Form with Supporting Documentation

_ Final Report of Site Investigation

_

If you have any questions or comments, please contact Paul Doherty at 236-3888.

Attachments

cc: X E&E

_ LABO

_ EP&R

_ TOPE

_ RCRA

_ SPFD

_ EMCM

_

John C. Vicklund
Director, ENSV

UNITE STATES ENVIRONMENTAL PROTEC ON AGENCY

DATE 7-7-86

SUBJECT Transmittal of Laboratory Data

FROM Robert D. Kleopfer, Ph. D. RDK
Chief, Laboratory Branch, ENSV

TO Hensley
Attn: Kepko

Analyses have been completed for the following activities and the data results are attached.

Activity No.	Description
DK651	Synter
	(TCOD transmittal 7/3;
	complete transmittal)

Attachments

cc: Data Files

EPA Form 1320-5 (Rev. 3-76)

EPA REGION VII
DATA QUALIFICATION CODES

U - Compound was not detected.

M - Compound was qualitatively identified; however, quantitative value is less than contract required detection limits (CLP data); or value is less than limit of quantitation (EPA data).

J - Compound was qualitatively identified; however, compound failed to meet all QA criteria and therefore is only an estimated value.

I - Analysis attempted, but no results can be reported.

O - Sample lost or not analyzed.

L - Value known to be higher than value reported.

FIELD SHEET
U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII
ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

Site Name: SYNTEX FACILITY — Site Number: 51
Location: VERONA, MO — Site Code: SYN

Collected: YR: 86 MO: 04 Day: 22 Time: 1610 Leader: N.KEPKO

Sample Number: DK651001 SMU #:

Sample Media (circle one):
SOIL, DUST, RINSATE, SEDIMENT, (WATER.) OTHER: _____

Sample Split (circle one): YES (NO)

Sample Container	Tag Color	Preservative	Analysis Requested
1-80oz JUG	BLUE	ICE	TCDD
2-80oz JUGS	PURPLE	ICE	B/N.A.P

Depth: 10-15' Pan #: — Aliquots: —

Samplers: Steve Hemingway (Superfund Division (Contr.))
Barry Wagner (SAIC)

COMMENTS OF FIELD PERSONNEL

Site Description: Monitoring well #1

IEM-PC

FIELD SHEET
U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII
ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

Site Name: SYNTEX FACILITY — Site Number: 51
Location: VERONA, MO — Site Code: SYN

Collected: YR: 86 MO: 04 Day: 22 Time: 1745 Leader: N. KEPKO

Sample Number: DK651002 SMU #:

Sample Media (circle one):
SOIL, DUST, RINSATE, SEDIMENT, (WATER) OTHER: _____

Sample Split (circle one): YES (NO)

Sample Container	Tag Color	Preservative	Analysis Requested
1-80oz JUG	BLUE	ICE	TCDD
2-80oz JUGS	PURPLE	ICE	B/N.A.P

Depth: 10-15' Pan #: — Aliquots: —

Samplers: Steve Hennogh (Dacon)
Charles Kepko (Dacon)

COMMENTS OF FIELD PERSONNEL

Site Description: Monitoring Well #5

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FIELD SHEET
U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII
ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

Site Name: SYNTEX FACILITY Site Number: 51
Location: VERONA, MO Site Code: SYN

Collected: YR: 86 MO: 04 Day: 22 Time: 1645 Leader: N. KEPKO

Sample Number: DK651003 SMO #:

Sample Media (circle one):
SOIL, DUST, RINSATE, SEDIMENT, (WATER) OTHER:

Sample Split (circle one): YES (NO)

Sample Container	Tag Color	Preservative	Analysis Requested
1-80oz JUG	BLUE	ICE	TCDD
2-80oz JUGS	PURPLE	ICE	B/N.A.P

Depth: 10-15' Pan #: — Aliquots: —

Samplers: Steve Hendrych Charles Hutchison (Durbin)
Barry Hayne (NAL)

COMMENTS OF FIELD PERSONNEL

Site Description: Monitoring Well # 6

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FIELD SHEET
U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII
ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

Site Name: SYNTEX FACILITY — Site Number: 51
Location: VERONA, MO — Site Code: SYN

Collected: YR: 86 MO: 04 Day: 22 Time: 1700 Leader: N.KEPKO

Sample Number: DK651004 SMO #:

Sample Media (circle one):
SOIL, DUST, RINSATE, SEDIMENT, (WATER) OTHER: _____

Sample Split (circle one): YES (NO)

Sample Container	Tag Color	Preservative	Analysis Requested
1-80oz JUG	BLUE	ICE	TCDD
2-80oz JUGS	PURPLE	ICE	B/N.A.P

Depth: 10:15' Pan #: — Aliquots: —

Samplers: Steve Hanagh Charles Hickman (Durbin)
Barry Hoppie (N/A)

COMMENTS OF FIELD PERSONNEL

Site Description: Monitoring Well # 7

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FIELD SHEET
U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII
ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66117

Site Name: SYNTEX FACILITY Site Number: 51
Location: VERONA, MO Site Code: SYN

Collected: YR: 86 MO: 04 Day: 22 Time: 1720 Leader: N. KEPKO

Sample Number: DK651005 SMO #:

Sample Media (circle one):
SOIL, DUST, RINSATE, SEDIMENT, (WATER) OTHER:

Sample Split (circle one): YES (NO)

Sample Container	Tag Color	Preservative	Analysis Requested
1-80oz JUG	BLUE	ICE	TCDD
2-80oz JUGS	PURPLE	ICE	B/N, A, P

Depth: 10-15' Pan #: — Aliquots: —

Samplers: Steve Hemagh, Charles Hickman (Dynin)
Barry Haynes (NAL)

COMMENTS OF FIELD PERSONNEL

Site Description: Monitoring Well # 8

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FIELD SHEET
U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII
ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

Site Name: SYNTEX FACILITY — Site Number: 51
Location: VERONA, MO — Site Code: SYN

Collected: YR: 86 MO: 04 Day: 22 Time: 1022 Leader: N.KEPKO

Sample Number: DK651006F — SMO #:

Sample Media (circle one):
SOIL, DUST, RINSATE, SEDIMENT, (WATER) OTHER: _____

Sample Split (circle one): YES (NO)

Sample Container	Tan Color	Preservative	Analysis Requested
1-80oz JUG	BLUE	ICE	TCDD
2-80oz JUGS	PURPLE	ICE	B/N.A.P

Depth: — Pan #: — Aliquots: —

Samplers: Steve Hemingway (Dynamac)
Charles Hickman (Dynamac)

COMMENTS OF FIELD PERSONNEL

Site Description: Field Blank
well without pump from MW01 decontaminated
and DI water pumped from laboratory
cleaned glass Dielel jar.

IBM-PC

FIELD SHEET
U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII
ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

Site Name: Syntex Site Number: 51
Location: Verona, Mo Site Code: SYN

Collected: YR: 85 MO: 09 Day: 24 Time: 1015 Leader: Kepla

Sample Number: DK4S1007 SMO #: _____

Sample Media (circle one):
(SOIL), DUST, RINSATE, SEDIMENT, WATER, OTHER: _____

Sample Split (circle one): (YES) NO

Sample Container	Tag Color	Preservative	Analysis Requested
1 qt glass jar	Blue	N/A	2,3,7,8-TCDD

Depth: 12" Fan #: _____ Aliquots: unused

Samplers: Syntex

COMMENTS OF FIELD PERSONNEL

Site Description:
Composite soil sample collected to Sparse Sample
U-T-1341 ; 3994.0000

1241-FC

FIELD SHEET
U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII
ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

Site Name: Syntex Site Number: 51
Location: Verona, Mo. Site Code: SYN

Collected: YR: 85 MO: 04 Day: 24 Time: 1115 Leader: Kepler

Sample Number: D6051005 SMO #: _____

Sample Media (circle one):
(SOIL), DUST, RINSATE, SEDIMENT, WATER, OTHER: _____

Sample Split (circle one): (YES) NO

Sample Container	Tag Color	Preservative	Analysis Requested
1 QT GLASS JAR	BLUE	N/A	2,3,7,8-TCDD

Depth: 12" Pan #: _____ Aliquots: Unused

Samplers: Syntex

COMMENTS OF FIELD PERSONNEL

Site Description:

Composite soil sample corresponding to Syntex number T-Smu; 3892.0000

IEM-FC

FIELD SHEET
U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII
ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

Site Name: Syntex Site Number: 51
Location: Vineyard, Mo. Site Code: SYN

Collected: YR: 85 MO: 04 Day: 24 Time: 1145 (AM) Leader: KEPPO

Sample Number: DKCSI009 SMO #: _____

Sample Media (circle one):
(SOIL) DUST, RINSATE, SEDIMENT, WATER, OTHER: _____

Sample Split (circle one): (YES) NO

Sample Container	Tag Color	Preservative	Analysis Requested
1 QT GLASS JAR	BLUE	N/A	2,3,7,8-TCDD

Depth: 12" Pan #: _____ Aliquots: Unknown

Samplers: Syntex

COMMENTS OF FIELD PERSONNEL

Site Description:

Composite soil sample transferred to Syntex number

S.T-1301; 3981 DOCO

IBM-PC

AN 'SIS TYPE: SEMIVOLATILES (GE 1)

: SYNTEX
RAD
E PREP:_____ ANALYST/ENTRY: E84

MATRIX: WATER
METHOD: 9302M01
REVIEWER: _____

UNITS: UG/L
CASE: 5876
DATE: 06/17/96

SAMPLE NUMBERS

COMPOUND	DK651001		DK651002		DK651003		DK651004	
OL	6.00	M		I	26.0		18.0	
2-CHLOROETHYL) ETHER	10.0	U	10.0	U	10.0	U	10.0	U
LOROPHENOL	10.0	U		I	10.0	U	10.0	U
DICHLOROBENZENE	10.0	U	1.00	M	7.00	M	7.00	M
DICHLOROBENZENE	10.0	U	14.0		110		110	
YL ALCOHOL	10.0	U	10.0	U	10.0	U	10.0	U
DICHLOROBENZENE	10.0	U	1.00	M	15.0		7.00	M
THYLPHENOL	10.0	U		I	3.00	M	10.0	U
2-CHLOROISOPROPYL)ETHER	10.0	U	10.0	U	10.0	U	10.0	U
THYLPHENOL	10.0	U		I	240		200	
TROSO-DIPROPYLAMINE	10.0	U	10.0	U	10.0	U	10.0	U
CHLOROETHANE	10.0	U	10.0	U	10.0	U	10.0	U
OBENZENE	10.0	U	10.0	U	10.0	U	10.0	U
HORONE	10.0	U	10.0	U	10.0	U	10.0	U
TROPHENOL	10.0	U		I	10.0	U	10.0	U
DIMETHYLPHENOL	10.0	U		I	2.00	M	10.0	U
OIC ACID	30.0	U		I	34.0	M	33.0	M
2-CHLOROETHOXY) METHANE	10.0	U	10.0	U	10.0	U	10.0	U
DICHLOROPHENOL	10.0	U		I	10.0	U	10.0	U
4-TRICHLOROBENZENE	10.0	U	10.0	U	33.0		10.0	U
THALENE	10.0	U	10.0	U	10.0	U	10.0	U
LOROANILINE	10.0	U	10.0	U	10.0	U	10.0	U
CHLOROBUTADIENE	10.0	U	10.0	U	10.0	U	10.0	U
LORO-3-METHYLPHENOL	10.0	U		I	3.00	M	10.0	U
THYLNAPHTHALENE	10.0	U	10.0	U	10.0	U	10.0	U
CHLOROCYCLOPENTADIENE	10.0	U	10.0	U	10.0	U	10.0	U
6-TRICHLOROPHENOL	10.0	U		I	10.0	U	10.0	U
5-TRICHLOROPHENOL	50.0	U		I	50.0	U	50.0	U
LORONAPHTHALENE	10.0	U	10.0	U	10.0	U	10.0	U
TROANILINE	50.0	U	50.0	U	50.0	U	50.0	U
THYLPHTHALATE	10.0	U	10.0	U	10.0	U	10.0	U
APHTHYLENE	10.0	U	10.0	U	10.0	U	10.0	U
TROANILINE	50.0	U	50.0	U	50.0	U	50.0	U
APHTHENE	10.0	U	10.0	U	10.0	U	10.0	U
DINITROPHENOL	50.0	U		I	50.0	U	50.0	U
TROPHENOL	50.0	U		I	50.0	U	5.00	M
NZOFURAN	10.0	U	10.0	U	10.0	U	10.0	U
DINITROTOLUENE	10.0	U	10.0	U	10.0	U	10.0	U

AN YSIS TYPE: SEMIVOLATILES ' AGE 1)

TLE: SYNTEX
B: RAD
MPLE PREP:_____ ANALYST/ENTRY: E84

MATRIX: WATER
METHOD: 9302M01
REVIEWER:

UNITS: UG/L
CASE: 5576
DATE: 06/17/86

SAMPLE NUMBERS

COMPOUND	DK651005		DK651006F		DK651007F (13)	
HENOL	7.00	M	10.0	U	1.00	M
IS(2-CHLOROETHYL) ETHER	10.0	U	10.0	U	10.0	U
-CHLOROPHENOL	10.0	U	10.0	U	10.0	U
3 DICHLOROBENZENE	10.0	U	10.0	U	10.0	U
4 DICHLOROBENZENE	10.0	U	10.0	U	10.0	U
ENZYL ALCOHOL	10.0	U	10.0	U	10.0	U
2 DICHLOROBENZENE	10.0	U	10.0	U	10.0	U
-METHYLPHENOL	10.0	U	10.0	U	10.0	U
IS(2-CHLOROISOPROPYL)ETHER	10.0	U	10.0	U	10.0	U
-METHYLPHENOL	10.0	U	10.0	U	10.0	U
-NITROSO-DIPROPYLAMINE	10.0	U	10.0	U	10.0	U
EXACHLOROETHANE	10.0	U	10.0	U	10.0	U
ITROBENZENE	10.0	U	10.0	U	10.0	U
SOPHORONE	10.0	U	10.0	U	10.0	U
-NITROPHENOL	10.0	U	10.0	U	10.0	U
4-DIMETHYLPHENOL	10.0	U	10.0	U	10.0	U
ENZOIC ACID	50.0	U	50.0	U	50.0	U
IS(2-CHLOROETHOXY) METHANE	10.0	U	10.0	U	10.0	U
4 DICHLOROPHENOL	10.0	U	10.0	U	10.0	U
2,4-TRICHLOROBENZENE	10.0	U	10.0	U	10.0	U
APHTHALENE	10.0	U	10.0	U	10.0	U
-CHLOROANILINE	10.0	U	10.0	U	10.0	U
EXACHLOROBUTADIENE	10.0	U	10.0	U	10.0	U
-CHLORO-3-METHYLPHENOL	10.0	U	10.0	U	10.0	U
-METHYLNAPHTHALENE	10.0	U	10.0	U	10.0	U
EXACHLOROCYCLOPENTADIENE	10.0	U	10.0	U	10.0	U
4,6-TRICHLOROPHENOL	10.0	U	10.0	U	10.0	U
4,5-TRICHLOROPHENOL	50.0	U	50.0	U	50.0	U
-CHLORONAPHTHALENE	10.0	U	10.0	U	10.0	U
-NITROANILINE	50.0	U	50.0	U	50.0	U
IMETHYLPHTHALATE	10.0	U	10.0	U	10.0	U
CENAPHTHYLENE	10.0	U	10.0	U	10.0	U
-NITROANILINE	50.0	U	50.0	U	50.0	U
CENAPHTHENE	10.0	U	10.0	U	10.0	U
4-DINITROPHENOL	50.0	U	50.0	U	50.0	U
-NITROPHENOL	50.0	U	50.0	U	50.0	U
IBENZOFURAN	10.0	U	10.0	U	10.0	U
4-DINITROTOLUENE	10.0	U	10.0	U	10.0	U

AN' YSIS TYPE: SEMIVOLATILES ' AGE 2)

TLE: SYNTEX
B: RAD
MPLE PREP:_____ ANALYST/ENTRY: E35

MATRIX: WATER
METHOD: 9302M01
REVIEWER: 4G

UNITS: UG/L
CASE: 5876
DATE: 06/17/86

SAMPLE NUMBERS

COMPOUND	DK651005		DK651006F		DK651007F	
,6-DINITROTOLUENE	10.0	U	10.0	U	10.0	U
ETHYLPHTHALATE	10.0	U	10.0	U	10.0	U
-CHLOROPHENYL PHENYL ETHER	10.0	U	10.0	U	10.0	U
LUORENE	10.0	U	10.0	U	10.0	U
-NITROANILINE	50.0	U	50.0	U	50.0	U
,6-DINITRO-2-METHYLPHENOL	50.0	U	50.0	U	50.0	U
-NITROSODIPHENYLAMINE	10.0	U	10.0	U	10.0	U
-BROMOPHENYL PHENYL ETHER	10.0	U	10.0	U	10.0	U
EXACHLOROBENZENE	10.0	U	10.0	U	10.0	U
ENTACHLOROPHENOL	50.0	U	50.0	U	50.0	U
HENANTHRENE	10.0	U	10.0	U	10.0	U
NTHRACENE	10.0	U	10.0	U	10.0	U
I-N-BUTYLPHTHALATE	10.0	U	2.00	M	6.00	M
LUORANTHENE	10.0	U	10.0	U	10.0	U
YRENE	10.0	U	10.0	U	10.0	U
UTYL BENZYL PHTHALATE	10.0	U	10.0	U	10.0	U
,3' DICHLOROBENZIDINE	20.0	U	20.0	U	20.0	U
ENZO(A)ANTHRACENE	10.0	U	10.0	U	10.0	U
IS(2-ETHYLHEXYL)PHTHALATE	10.0	U	11.0		14.0	
HRYSENE	10.0	U	10.0	U	10.0	U
I-N-OCTYL PHTHALATE	10.0	U	10.0	U	10.0	U
ENZO(B)FLUORANTHENE	10.0	U	10.0	U	10.0	U
ENZO(K)FLUORANTHENE	10.0	U	10.0	U	10.0	U
ENZO(A)PYRENE	10.0	U	10.0	U	10.0	U
NDENO(1,2,3-CD)PYRENE	10.0	U	10.0	U	10.0	U
IBENZO(A,H)ANTHRACENE	10.0	U	10.0	U	10.0	U
ENZO(G,H,I)PERYLENE	10.0	U	10.0	U	10.0	U

ANALYSIS TYPE: PESTICIDES

TLE: SYNTEX
S: RAD
MPLE PREF:_____ ANALYST/ENTRY: E86

MATRIX: WATER
METHOD: 9302M01
REVIEWER: _____

UNITS: UG/L
CASE: 5876
DATE: 06/17/86

SAMPLE NUMBERS

COMPOUND	DK651001		DK651002		DK651003		DK651004	
LPHA-BHC	N/A	I	N/A	I	N/A	I	N/A	I
ETA-BHC	N/A	I	N/A	I	N/A	I	N/A	I
ELTA-BHC	N/A	I	N/A	I	N/A	I	N/A	I
AMMA-BHC	N/A	I	N/A	I	N/A	I	N/A	I
PTACHLOR	N/A	I	N/A	I	N/A	I	N/A	I
LDRIN	N/A	I	N/A	I	N/A	I	N/A	I
EPTACHLOR EPOXIDE	N/A	I	N/A	I	N/A	I	N/A	I
NDOSULFAN I	N/A	I	N/A	I	N/A	I	N/A	I
IELDRIN	N/A	I	N/A	I	N/A	I	N/A	I
4'-DDE	N/A	I	N/A	I	N/A	I	N/A	I
NDRIN	N/A	I	N/A	I	N/A	I	N/A	I
NDOSULFAN II	N/A	I	N/A	I	N/A	I	N/A	I
4'-DDD	N/A	I	N/A	I	N/A	I	N/A	I
NDRIN ALDEHYDE	N/A	I	N/A	I	N/A	I	N/A	I
NDOSULFAN SULFATE	N/A	I	N/A	I	N/A	I	N/A	I
4'-DDT	N/A	I	N/A	I	N/A	I	N/A	I
NDRIN KETONE	N/A	I	N/A	I	N/A	I	N/A	I
THOXYCHLOR	N/A	I	N/A	I	N/A	I	N/A	I
HLORDANE	N/A	I	N/A	I	N/A	I	N/A	I
OXAPHENE	N/A	I	N/A	I	N/A	I	N/A	I
OCLOR-1016	N/A	I	N/A	I	N/A	I	N/A	I
OCLOR-1221	N/A	I	N/A	I	N/A	I	N/A	I
OCLOR-1232	N/A	I	N/A	I	N/A	I	N/A	I
OCLOR-1242	N/A	I	N/A	I	N/A	I	N/A	I
OCLOR-1248	N/A	I	N/A	I	N/A	I	N/A	I
OCLOR-1254	N/A	I	N/A	I	N/A	I	N/A	I
OCLOR-1260	N/A	I	N/A	I	N/A	I	N/A	I

AN YSIS TYPE: PESTICIDES

LE: SYNTEX
RAD
LE PREP:..... ANALYST/ENTRY: E86

MATRIX: WATER
METHOD: 9302M01
REVIEWER: _____

UNITS: UG/L
CASE: 5876
DATE: 06/17/86

SAMPLE NUMBERS

COMPOUND	DK651005		DK651006F		DK651007F	
HA-BHC	N/A	I	N/A	I	N/A	I
A-BHC	N/A	I	N/A	I	N/A	I
TA-BHC	N/A	I	N/A	I	N/A	I
MA-BHC	N/A	I	N/A	I	N/A	I
TACHLOR	N/A	I	N/A	I	N/A	I
RIN	N/A	I	N/A	I	N/A	I
TACHLOR EPOXIDE	N/A	I	N/A	I	N/A	I
DSULFAN I	N/A	I	N/A	I	N/A	I
LDRIN	N/A	I	N/A	I	N/A	I
'-DDE	N/A	I	N/A	I	N/A	I
RIN	N/A	I	N/A	I	N/A	I
DSULFAN II	N/A	I	N/A	I	N/A	I
'-DDD	N/A	I	N/A	I	N/A	I
RIN ALDEHYDE	N/A	I	N/A	I	N/A	I
DSULFAN SULFATE	N/A	I	N/A	I	N/A	I
'-DDT	N/A	I	N/A	I	N/A	I
RIN KETONE	N/A	I	N/A	I	N/A	I
THOXYCHLOR	N/A	I	N/A	I	N/A	I
LORDANE	N/A	I	N/A	I	N/A	I
APHENE ---	N/A	I	N/A	I	N/A	I
CLOR-1016	N/A	I	N/A	I	N/A	I
CLOR-1221	N/A	I	N/A	I	N/A	I
CLOR-1232	N/A	I	N/A	I	N/A	I
CLOR-1242	N/A	I	N/A	I	N/A	I
CLOR-1248	N/A	I	N/A	I	N/A	I
CLOR-1254	N/A	I	N/A	I	N/A	I
CLOR-1260	N/A	I	N/A	I	N/A	I

TITLE: SYNTEX
LAB: RAD
ANALYST/ENTRY: LT

MATRIX: WATER
METHOD: 9302M01
REVIEWER: GCS GCS

UNITS: UG/L
CASE: 5876
DATE: 6-17-86

TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.	COMPOUND NAME**	FRACTION	EST.	CONC.*
DK651004	METHYLBENZENE	BNA	90	J
DK651004	N,N-DIMETHYLFORMAMIDE	BNA	190	J
DK651004	2 BUTANOIC ACIDS	BNA	32-176	J
DK651004	1,3-DIMETHYLBENZENE	BNA	111	J
DK651004	1,2-DIMETHYLBENZENE	BNA	50	J
DK651004	2,2-DIMETHYL-1,3-PROPANEDIOL	BNA	34	J
DK651004	HEXANOIC ACID	BNA	327	J
DK651004	2,2'-BI-1,3-DIOXOLANE	BNA	49	J
DK651004	2,2'-THIOBISETHANOL	BNA	726	J
DK651004	3-CHLOROPHENOL	BNA	56	J
DK651004	5-METHYL-1-HEXYNE	BNA	46	J
DK651004	2,5-DIMETHYL-1,5-HEPTADIENE-3,4-DIOL	BNA	43	J
DK651004	1,1'-OXYBISBENZENE	BNA	74	J
DK651005	2,5-DIMETHYLTETRAHYDROFURAN	BNA	12	J
DK651006F	METHYLBENZENE	BNA	8	J
DK651006F	TRANS-4-CHLOROCYCLOHEXANOL	BNA	14	J
DK651006F	TRANS-1,2-DICHLOROCYCLOHEXANE	BNA	5	J
DK651004	6 UNKNOWNS	BNA	27-854	J
DK651005	2 UNKNOWNS	BNA	1-4	J
DK651007F	2 UNKNOWNS	BNA	1-4	J

*This is a crude estimation based on response relative to an internal standard. An authentic standard has not been run.

**The compounds were identified using a library search routine. Authentic standards have not been analyzed to verify compound mass spectra and retention times.

ecology and environment, inc.

FAIRWAY WEST OFFICE BLDG., 4350 JOHNSON DRIVE, SHAWNEE MISSION, KANSAS 66205, TEL. 913-432-9961

International Specialists in the Environment

MEMORANDUM

TO: Paul Doherty, ARPO

FROM: Nancy Kepko, E&E/FIT

DATE: August 15, 1986

SUBJECT: Trip report for compliance monitoring of groundwater sampling at the Syntex plant in Verona, Missouri
TDD # R07-8408-23D

INTRODUCTION

The Ecology and Environment Field Investigation Team (E&E/FIT) was tasked under Technical Directive Document (TDD) R07-8408-23D to provide technical supervision during the implementation of the Syntex Verona Sampling Plan. The final phase of the sampling plan involved the collection of groundwater samples from ten monitoring wells installed by Terracon Consultants in August 1985 (see the Syntex Compliance Monitoring Trip Report dated January 24, 1986 TDD # R07-8408-23 for details on the well installation). Sampling of the wells was performed monthly for the first three months after installation and then quarterly for the remainder of the year. This report discusses the fourth quarterly sampling effort.

PURGING OF THE WELLS

The monitoring wells were purged using the stainless steel Well Wizard pumps previously installed in each well. The initial water level was recorded at each well and three well volumes of water were then removed.

WELL #	DATE PURGED	INITIAL WATER LEVEL (from top of casing)	VOLUME REMOVED
1	7/14/86	13.75'	3.5 gallons
2	7/14/86	8.38'	6.0 gallons
3	7/14/86	11.00'	4.5 gallons
4	7/14/86	10.08'	5.0 gallons
5	7/14/86	10.92'	5.0 gallons
6	7/14/86	9.71'	5.5 gallons
7	7/14/86	9.88'	5.5 gallons
8	7/14/86	10.29'	5.0 gallons
9	7/14/86	11.00'	4.5 gallons
10	7/14/86	9.50'	5.5 gallons

(All of the monitoring wells are set at a total depth of 15 feet with the screen 5 feet deep.)

recycled paper

SAMPLING OF THE MONITORING WELLS

The samples to be analyzed for TCDD contamination were collected by Steve Hennigh and Bill Durbin of Durbin Contracting. The samples were collected using the Well Wizard pumps installed in each well. Each TCDD sample consisted of two one-quart glass jars. One sample jar from each well was packaged and sent to the Syntex laboratory in Palo Alto, California for analysis. The other sample jar from each well was placed in the Empire building at the Syntex Verona, MO plant for storage.

The priority pollutant samples were collected on July 15, 1986 by Barry Haynie of the National Analytical Laboratory of Tulsa, Oklahoma, under contract to Syntex. Samples were collected from monitoring wells 1, 2, 3, 4, 6, 7, 8, and 10. The samples collected from monitoring wells 1 and 10 will be analyzed as discrete samples. The remaining samples were composited in the following manner:

composite 1: monitoring wells 2, 3, and 4
composite 2: monitoring wells 6, 7, and 8

The National Analytical Laboratory will analyze the samples for the following (Priority Pollutant +):

pH	nitrate	volatiles
conductivity	phenols	TOX
chloride	TOC	metals
fluoride	coli	gross alpha, beta & gamma, radium
sulfate		

The samples were preserved in the following manner:

phenols - copper sulfate and sulfuric acid and ice
metals - nitric acid and ice
nitrate - sulfuric acid and ice
TOC - sulfuric acid and ice
all other samples - ice

A summary of the samples collected by Syntex is listed below:

WELL #	SYNTEX SAMPLE NUMBER	DATE COLLECTED	ANALYSIS
1	01-07-14-86	7-14-86	TCDD
1	01-07-15-86	7-15-86	Priority Pollutant +
2	02-07-14-86	7-14-86	TCDD
2	02-07-15-86	7-15-86	Priority Pollutant + (to be composited with wells 3 and 4)

WELL #	SYNTEX SAMPLE NUMBER	DATE COLLECTED	ANALYSIS
3	03-07-14-86	7-14-86	TCDD
3	03-07-15-86	7-15-86	Priority Pollutants + (to be composited with wells 2 and 4)
4	04-07-14-86	7-14-86	TCDD
4	04-07-15-86	7-15-86	Priority Pollutants + (to be composited with wells 2 and 3)
5	05-07-14-86	7-14-86	TCDD
6	06-07-14-86	7-14-86	TCDD
6	06-07-15-86	7-15-86	Priority Pollutants + (to be composited with wells 7 and 8)
7	07-07-14-86	7-14-86	TCDD
7	07-07-15-86	7-15-86	Priority Pollutants + (to be composited with wells 6 and 8)
8	08-07-14-86	7-14-86	TCDD
8	08-07-15-86	7-15-86	Priority Pollutants + (to be composited with wells 6 and 7)
9	09-07-14-86	7-14-86	TCDD
10	10-07-14-86	7-14-86	TCDD
10	10-07-15-86	7-15-86	Priority Pollutants +

Split samples were collected by Barry Haynie and Steve Hennigh from monitoring wells 1, 5, 6, 7, and 8 for the Region VII EPA. Each sample was collected in 3-80 ounce jugs and will be analyzed for TCDD and base/neutral, acid, and pesticide (B/N,A,P) fractions. A field blank was collected by removing the Well Wizard pump from monitoring well #1 and pumping deionized water through the decontaminated pump. A summary of the split samples collected for the EPA is listed below:

WELL #	EPA SAMPLE NUMBER	DATE COLLECTED	ANALYSIS
1	FK651001	7-15-86	TCDD, B/N,A,P
5	FK651002	7-15-86	TCDD, B/N,A,P
[illegible]	[illegible]	[illegible]	[illegible]

WELL #	EPA SAMPLE NUMBER	DATE COLLECTED	ANALYSIS
7	FK651004	7-15-86	TCDD, B/N,A,P
8	FK651005	7-15-86	TCDD, B/N,A,P
Field Blank	FK651006F	7-15-86	TCDD, B/N,A,P

SAMPLE SHIPMENT

The Syntex samples to be analyzed for TCDD were packaged and sent to the Syntex laboratory in Palo Alto, California. The samples to be analyzed for priority pollutants + were delivered to the National Analytical Laboratory in Tulsa, Oklahoma by Barry Haynie. The EPA split samples were packed in coolers and delivered to the Region VII EPA laboratory by Nancy Kepko E&E/FIT on Thursday July 17, 1986.

DECONTAMINATION

The samplers' gloves were decontaminated between samples using an isopropyl alcohol rinse. The exterior of the sample containers were decontaminated in the same manner. The Well Wizard pump used to collect the field blank was decontaminated using a water wash followed by a deionized water rinse.

LEVELS OF PROTECTION

The samplers were dressed in level-C protection. This level consisted of the following safety equipment:

- white coveralls
- cotton glove liners
- nitrile outer gloves
- neoprene steel toe and shank boots
- half-face air purifying respirator with high efficiency organic vapor filter

The E&E observer was dressed in level-D protection.

ADDITIONAL ACTIVITIES

Concurrent with the well sampling activities, a second Durbin crew was working on three old NEPACCO tanks located near the spill area. The tanks are identified as follows:

- tank 1316 24,000 gallon steel tank
- tank 1319 24,000 gallon steel tank
- [illegible]

The sludge from the tanks was being removed and placed in steel 55-gallon drums. The drums are being stored in the old T-1 dike. The EPA had requested that a sample of the sludge be removed from each of the tanks. Difficulties were encountered in obtaining access from Syntex to collect the samples. The EPA decided to postpone the sample collection until the access difficulties could be worked out.

The following quantities of sludge were removed from the tanks:

- tank 1316 71 drums
- tank 1319 22 drums
- tank N-100 57 drums

RESOURCES EXPENDED

A total of 42 hours were required to supervise the collection of the 10 groundwater samples and attempt to collect the sludge samples from the tanks. This brings the total hours expended on the Syntex Compliance Monitoring TDD modification to 42 hours.

NK/ct

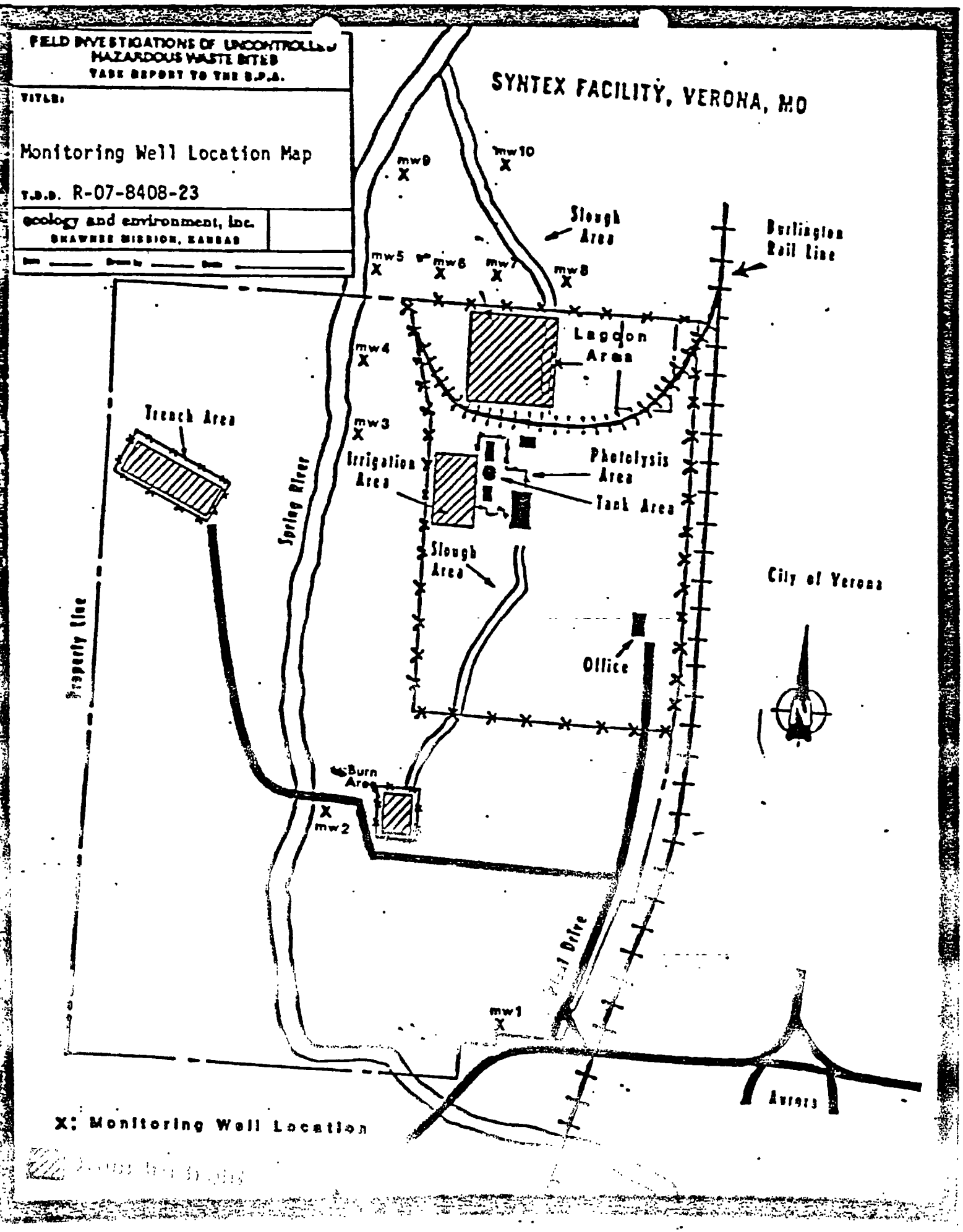
FIELD INVESTIGATIONS OF UNCONTROLLED HAZARDOUS WASTE SITES
TASK REPORT TO THE E.P.A.

TITLE:

Monitoring Well Location Map

T.D.D. R-07-8408-23

ecology and environment, inc.
SHAWNEE MISSION, KANSAS



CHAIN OF CUSTODY RECORD
ENVIRONMENTAL PROTECTION AGENCY REGION VII

ACTIVITY LEADER(Print)	NAME OF SURVEY OR ACTIVITY	DATE OF COLLECTION (DAY / MONTH / YEAR)	SHEET
N Kepka	Syntex Facility	12 / 7 / 86	1 of 1

CONTENTS OF SHIPMENT

SAMPLE NUMBER	TYPE OF CONTAINERS: CUBITAINER	8 oz BOTTLE	BOTTLE	BOTTLE	VOA SET (2 VIALS EA)	SAMPLED MEDIA: water	soil	sediment	dust	other	RECEIVING LABORATORY REMARKS OTHER INFORMATION (condition of samples upon receipt, other sample numbers etc.)
	NUMBERS OF CONTAINERS PER SAMPLE NUMBER										
FK651001		3				X					
FK651002		3				X					
FK651003		3				X					
FK651004		3				X					
FK651005		3				X					
FK651006		3				X					

DESCRIPTION OF SHIPMENT	MODE OF SHIPMENT
____ PIECE(S) CONSISTING OF ____ BOX(ES)	____ COMMERCIAL CARRIER ____
2 ICE CHEST(S), OTHER ____	____ COURIER
	X SAMPLER CONVEYED (SHIPPING DOCUMENT NUMBER)

PERSONNEL CUSTODY RECORD

RELINQUISHED BY (SAMPLER)	DATE	TIME	RECEIVED BY	REASON FOR CHANGE OF CUSTODY
John S. Hornsby (SEALED / UNSEALED ✓)	7/15/86	1900	Nancy Kepka (SEALED / UNSEALED ✓)	Transfer for delivery to the Region VII Lab
RELINQUISHED BY	DATE	TIME	RECEIVED BY	REASON FOR CHANGE OF CUSTODY
Nancy Kepka (SEALED / UNSEALED)	7/16/86	10 AM	[illegible]	Transfer to Region VII Lab
RELINQUISHED BY	DATE	TIME	RECEIVED BY	REASON FOR CHANGE OF CUSTODY
SEALED / UNSEALED			SEALED / UNSEALED	

7-EPA-9262(Revised 5/85)

FIELD SHEET
U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII
ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

Site Name: SYNTEX FACILITY — Site Number: 51
Location: VERONA, MO — Site Code: SYN

Collected: YR: 86 MO: 7 Day: 15 Time: 1805 Leader: N. KEPKO

Sample Number: FK651002 . SMO #:

Sample Media (circle one):
SOIL, DUST, RINSATE, SEDIMENT, (WATER), OTHER:_____

Sample Split (circle one): (YES) NO

Sample Container	Tag Color	Preservative	Analysis Requested
80oz JUG	BLUE	ICE	TCDD
80oz JUG	PURPLE	ICE	B/N A
80oz JUG	PURPLE	ICE	PESTICIDES

Depth:_____ Pan #:_____ Aliquots:_____

Samplers: Steve Hennigh
Barry Haynie

COMMENTS OF FIELD PERSONNEL

Site Description: Monitoring Well # 5

Bottle lot # A0118012

IBM-PC

FIELD SHEET
U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII
ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

Site Name: SYNTEX FACILITY — Site Number: 51
Location: VERONA, MO — Site Code: SYN

Collected: YR: 86 MO: 7 Day: 15 Time: 1550 Leader: N. KEPKO

Sample Number: FK651003 SMO #:

Sample Media (circle one):
SOIL, DUST, RINSATE, SEDIMENT, (WATER.) OTHER:_____

Sample Split (circle one): (YES) NO

Sample Container	Tag Color	Preservative	Analysis Requested
80oz JUG	BLUE	ICE	TCDD
80oz JUG	PURPLE	ICE	B/N A
80oz JUG	PURPLE	ICE	PESTICIDES

Depth:_____ Pan #:_____ Aliquots:_____

Samplers: Steve Hennigh
Barry Haynie

COMMENTS OF FIELD PERSONNEL

Site Description: Monitoring Well # 6

Bottle lot # 15330212
15350012
A6970012

IBM-PC

FIELD SHEET
U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII
ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

Site Name: SYNTEX FACILITY — Site Number: 51
Location: VERONA, MO — Site Code: SYN

Collected: YR: 86 MO: 7 Day: 15 Time: 1615 Leader: N. KEPKO

Sample Number: FK651004. SMO #:

Sample Media (circle one):
SOIL, DUST, RINSATE, SEDIMENT, (WATER) OTHER:_____

Sample Solit (circle one): (YES) NO

Sample Container	Tap Color	Preservative	Analysis Requested
80oz JUG	BLUE	ICE	TCDD
80oz JUG	PURPLE	ICE	B/N A
80oz JUG	PURPLE	ICE	PESTICIDES

Depth:_____ Pan #:_____ Aliquots:_____

Samplers: Steve Hennigh
Barry Haynie

COMMENTS OF FIELD PERSONNEL

Site Description: Monitoring Well # 7

Bottle lot # A0110092
A6099062

IBM-PC

FIELD SHEET
U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII
ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

Site Name: SYNTEX FACILITY — Site Number: 51
Location: VERONA, MO — Site Code: SYN

Collected: YR: 86 MO: 7 Day: 15 Time: 1705 Leader: N. KEPKO

Sample Number: FK651005 SMO #:

Sample Media (circle one):
SOIL, DUST, RINSATE, SEDIMENT, (WATER) OTHER:_____

Sample Split (circle one): (YES) NO

Sample Container	Tag Color	Preservative	Analysis Requested
80oz JUG	BLUE	ICE	TCDD
80oz JUG	PURPLE	ICE	B/N A
80oz JUG	PURPLE	ICE	PESTICIDES

Depth:_____ Pan #:_____ Aliquots:_____

Samplers: Steve Heenigh
Barry Haynie

COMMENTS OF FIELD PERSONNEL

Site Description: Monitoring Well # 8

Bottle lot # A6118032

IBM-PC

FIELD SHEET
U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII
ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

Site Name: SYNTEX FACILITY — Site Number: 51
Location: VERONA, MO — Site Code: SYN

Collected: YR: 86 MO: 7 Day: 15 Time: 1830 Leader: N. KEPKO

Sample Number: FK651006F — SMO #:

Sample Media (circle one):
SOIL, DUST, RINSATE, SEDIMENT, (WATER.) OTHER:_____

Sample Solit (circle one): YES (NO)

Sample Container	Tap Color	Preservative	Analysis Requested
80oz JUG	BLUE	ICE	TCDD
80oz JUG	PURPLE	ICE	B/N A
80oz JUG	PURPLE	ICE	PESTICIDES

Depth:_____ Pan #:_____ Aliquots:_____

Samplers: Steve Hennigh

COMMENTS OF FIELD PERSONNEL

Site Description: Field Blank collected by decontaminating the well wizard pump from monitoring well #1 and then pumping distilled DI water from a laboratory cleaned glass pickel jar.

Bottle lot # A6U8022
A6098052

IBM-PC

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 7
25 FUNSTON ROAD
KANSAS CITY, KANSAS 66115

DATE: September 10, 1986

MEMORANDUM

SUBJECT: Syntex Agribusiness, Verona, Missouri

FROM: Charles P. Hensley
Chief, EP&R/ENSV

TO: Robert L. Morby
Chief, SPFD/WSTM

Attached for your review is:

X Data Transmittal (dioxin)

_ Work Plan

_ Trip Report

_ Preliminary Assessment

_ HRS Form with Supporting Documentation

_ Final Report of Site Investigation

_

If you have any questions or comments, please contact Paul Doherty at 236-3888.

Attachments

cc: _ E&E

_ LABO

_ EP&R

_ TOPE

_ RCRA

_ SPFD

_ EMCM

_

John C. Wicklund
Director, ENSV

SEP 15 1986

DATE: September 4,1986

MEMORANDUM

SUBJECT: DIOXIN DATA TRANSMITTAL FOR FK651
SITE: SYNTEX PROPERTY

FROM: ROBERT D. KLEOPFER RDK
ACTING CHIEF, LABORATORY BRANCH, ENSV

TO: CHARLES HENSLEY
CHIEF, EP&R-ENSV

The following are the data results for FK651.

This data represents a [ ] PARTIAL [X] COMPLETE transmittal.

ITE	EPA NO	VALUE	C	V	UNITS	SAMPLED	DESCRIPTION
YN	FK651001	1.800	U	V	NG/L	07/15/86	WATER MONITORING WELL #1
YN	FK651002	1.000	U	V	NG/L	07/15/86	WATER MONITORING WELL #5
YN	FK651003	1.000	U	V	NG/L	07/15/86	WATER MONITORING WELL #6
YN	FK651004	1.000	U	V	NG/L	07/15/86	WATER MONITORING WELL #7
YN	FK651005	1.000	U	V	NG/L	07/15/86	WATER MONITORING WELL #8
YN	FK651006F	1.000	U	V	NG/L	07/15/86	WATER FIELD BLANK:DECON.WELL PUMP FROM M.W.#1-FLUSH W/DDI-H2O FROM LAB CLEAN
YN	FK651007F	1.000	U	V	NG/L	07/15/86	WATER BLANK QC

UNITED STA S ENVIRONMENTAL PROTEC. ON AGENCY

REGION 7
25 FUNSTON ROAD
KANSAS CITY, KANSAS 66115

DATE: December 9, 1986

MEMORANDUM

SUBJECT: Syntex Facility, Verona, Missouri

FROM: Charles P. Hensley CPH
Chief, EP&R/ENSV

TO: Robert L. Morby
Chief, SPFD/WSTM

Attached for your review is:

X Data Transmittal

_ Work Plan

_ Trip Report

_ Preliminary Assessment

_ HRS Form with Supporting Documentation

_ Final Report of Site Investigation

_

If you have any questions or comments, please contact Paul Doherty at 236-3888.

Attachments

cc: X E&E

_ LABO

X TPAB, Gary Kenko

_ TOPE

_ RCRA

_ SPFD

_ EMCM

_

Director, ENSV

DEC 16 1986

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 7
25 FUNSTON ROAD
KANSAS CITY, KANSAS 66115

Date: 12/8/86

MEMORANDUM

SUBJECT: Data Transmittal for Activity #: FK651,
Site Description: Syntex Facility

FROM: Robert D. Kleopfer, Ph.D. RDK
Acting Chief, Laboratory Branch, ENSV

TO: Charles P. Hensley
Acting Chief, Emergency Planning and Response Branch, ENSV

ATTN: _____

Attached is the data transmittal for the above referenced site. This should be considered a ___ Partial ___ Corrected X Complete data transmittal (completes transmittal of _____). If you have any questions or comments, please contact D. Simmons at 236-3881.

Attachments

cc: Data File

EPA REGION VII
DATA QUALIFICATION CODES

U - Compound was not detected.

M - Compound was qualitatively identified; however, quantitative value is less than contract required detection limits (CLP data); or value is less than limit of quantitation (EPA data).

J - Compound was qualitatively identified; however, compound failed to meet all QA criteria and therefore is only an estimated value.

I - Analysis attempted, but no results can be reported.

O - Sample lost or not analyzed.

L - Value known to be higher than value reported.

FIELD SHEET
U.S. ENVIRONMENTAL PROTECTION AGENCY. REGION VII
ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

Site Name: SYNTEX FACILITY — Site Number: 51
Location: VERONA, MO — Site Code: SYN

Collected: YR: 86 MO: 7 Day: 15 Time: 1345 Leader: N. KEPKO

Sample Number: FK651001. SMO #:

Sample Media (circle one):
SOIL, DUST, RINSATE, SEDIMENT, (WATER) OTHER:_____

Sample Split (circle one): (YES) (NO) NK

Sample Container	Tag Color	Preservative	Analysis Requested
80oz JUG	BLUE	ICE	TCDD
80oz JUG	PURPLE	ICE	B/N A
80oz JUG	PURPLE	ICE	PESTICIDES

Depth:_____ Pan #:_____ Aliquots:_____

Samplers: Steve Hennigh
Barry Hayaie

COMMENTS OF FIELD PERSONNEL

Site Description: Monitoring well # 1

Bottle lot # A6118032

IBM-PC

FIELD SHEET
U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII
ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

Site Name: SYNTEX FACILITY — Site Number: 51
Location: VERONA, MO — Site Code: SYN

Collected: YR: 86 MO: 7 Day: 15 Time: 1805 Leader: N. KEPKO

Sample Number: FK651002 SMO #:

Sample Media (circle one):
SOIL, DUST, RINSATE, SEDIMENT, (WATER) OTHER: _____

Sample Solit (circle one): (YES) NO

Sample Container	Tag Color	Preservative	Analysis Requested
80oz JUG	BLUE	ICE	TCDD
80oz JUG	PURPLE	ICE	B/N A
80oz JUG	PURPLE	ICE	PESTICIDES

Depth: _____ Pan #: _____ Aliquots: _____

Samplers: Steve Hennigh
Barry Haynie

COMMENTS OF FIELD PERSONNEL

Site Description: Monitoring Well #5

Bottle lot # A611803

IBM-PC

FIELD SHEET
U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII
ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

Site Name: SYNTEX FACILITY — Site Number: 51
Location: VERONA, MO — Site Code: SYN

Collected: YR: 86 MO: 7 Day: 15 Time: 1550 Leader: N. KEPKO

Sample Number: FK651003 — SMU #:

Sample Media (circle one):
SOIL, DUST, RINSATE, SEDIMENT, (WATER.) OTHER:

Sample Split (circle one): (YES) NO

Sample Container	Tag Color	Preservative	Analysis Requested
80oz JUG	BLUE	ICE	TCDD
80oz JUG	PURPLE	ICE	B/N A
80oz JUG	PURPLE	ICE	PESTICIDES

Depth: _____ Pan #: _____ Aliquots: _____

Samplers: Steve Heanigh
Barry Haynie

COMMENTS OF FIELD PERSONNEL

Site Description: Monitoring Well # 6

Bottle lot # 15330297
15350012
04092610

IBM-PC

FIELD SHEET
U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII
ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

Site Name: SYNTEX FACILITY Site Number: E1
Location: VERONA, MO Site Code: SYN

Collected: YR: 86 MO: 7 Day: 15 Time: 1615 Leader: N. KEPKO

Sample Number: FK651004 SMO #:

Sample Media (circle one):
SOIL, DUST, RINSATE, SEDIMENT, (WATER) OTHER:_____

Sample Solit (circle one): (YES) NO

Sample Container	Tag Color	Preservative	Analysis Requested
80oz JUG	BLUE	ICE	TCDD
80oz JUG	PURPLE	ICE	B/N A
80oz JUG	PURPLE	ICE	PESTICIDES

Depth:_____ Pan #:_____ Aliquots:_____

Samplers: Steve Hennigh
Barry Haynie

COMMENTS OF FIELD PERSONNEL

Site Description: Monitoring Well #7

Bottle lot # A6119077
A6099062

IBM-PC

FIELD SHEET
U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII
ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

Site Name: SYNTEX FACILITY — Site Number: 51
Location: VERONA, MO — Site Code: SYN

Collected: YR: 86 MO: 7 Day: 15 Time: 1705 Leacer: N. KEPKO

Sample Number: FK651005 — SMO #:

Sample Media (circle one):
SOIL, DUST, RINSATE, SEDIMENT, (WATER) OTHER:

Sample Solit (circle one): (YES) NO

Sample Container	Tag Color	Preservative	Analysis Requested
80oz JUG	BLUE	ICE	TCDD
80oz JUG	PURPLE	ICE	B/N A
80oz JUG	PURPLE	ICE	PESTICIDES

Depth: _____ Pan #: _____ Aliquots: _____

Samplers: Steve Hennigh
Barry Haynie

COMMENTS OF FIELD PERSONNEL

Site Description: Monitoring Well # 8

Bottle lot # A6118032

IBM-PC

FIELD SHEET
U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII
ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

Site Name: SYNTEX FACILITY — Site Number: 51
Location: VERONA, MO — Site Code: SYN

Collected: YR: 86 MO: 7 Day: 15 Time: 1830 Leader: N. KEPKO

Sample Number: FK651006F — SMO #:

Sample Media (circle one):
SOIL, DUST, RINSATE, SEDIMENT, (WATER.) OTHER:

Sample Solit (circle one): YES (NO)

Sample Container	Tag Color	Preservative	Analysis Requested
80oz JUG	BLUE	ICE	TCDD
80oz JUG	PURPLE	ICE	B/N A
80oz JUG	PURPLE	ICE	PESTICIDES

Depth:_____ Pan #:_____ Aliquots:_____

Samplers: Steve Hennigh

COMMENTS OF FIELD PERSONNEL

Site Description: Well Field collected by decontaminating the well wizard pump from monitoring well #1 and then pumping distilled DI water from a laboratory cleaned glass pickel jar.

Bottle lot # A6118022
A6018052

IBM-PC

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 7
25 FUNSTON ROAD
KANSAS CITY, KANSAS 66115

12/1/86

MEMORANDUM

Synthetic Chemicals 11/16/86

SUBJECT: Overdue Data for Activity FK651

FROM: Robert D. Kleopfer, Ph.D.
Acting Chief, Laboratory Branch, ENSV

TO: Bunn

Our records show that certain data are overdue as highlighted below. Contact the Laboratory Branch data coordinator for specific details. Please respond in one of the following ways (check one):

[] Requested data were submitted on _____.

[] Requested data will be submitted by _____. Give explanation below.

[✓] Requested data will not be submitted. Give explanation below.

Data which are overdue:
Semivolatile for sample #4 UBT
(on rerun list for ≈ 2 months)

Explanation:
Past holding time. Will not be getting additional data.

DATE: September 4,1986

MEMORANDUM

SUBJECT: DIOXIN DATA TRANSMITTAL FOR FK651
SITE: SYNTEX PROPERTY

FROM: ROBERT D. KLEOPFER RDK
ACTING CHIEF, LABORATORY BRANCH, ENSV

TO: CHARLES HENSLEY
CHIEF, EP&R-ENSV

The following are the data results for FK651.

This data represents a [ ] PARTIAL [X] COMPLETE transmittal.

SITE	EPA NO	VALUE	C	V	UNITS	SAMPLED	DESCRIPTION
SYN	FK651001	1.000	U	V	NG/L	07/15/86	WATER MONITORING WELL #1
SYN	FK651002	1.000	U	V	NG/L	07/15/86	WATER MONITORING WELL #5
SYN	FK651003	1.000	U	V	NG/L	07/15/86	WATER MONITORING WELL #6
SYN	FK651004	1.000	U	V	NG/L	07/15/86	WATER MONITORING WELL #7
SYN	FK651005	1.000	U	V	NG/L	07/15/86	WATER MONITORING WELL #8
SYN	FK651006F	1.000	U	V	NG/L	07/15/86	WATER FIELD BLANK:DECON.WELL PUMP FROM M.W.#1-FLUSH W/DDI-H2O FROM LAB CLEAN
SYN	FK651007F	1.000	U	V	NG/L	07/15/86	WATER BLANK QC

ALYSIS TYPE: NIVOLATILES (PAGE 1)

TITLE: SYNTEX
LAB: UBTL
SAMPLE PREP:_____ ANALYST/ENTRY: E41

MATRIX: WATER
METHOD: 9302M01
REVIEWER:

UNITS: UG/L
CASE: 6192
DATE: 08/29/86

SAMPLE NUMBERS

COMPOUND	FK651001		FK651002		FK651003		FK651005	
PHENOL	10.0	U	10.0	U	10.0	U	10.0	U
BIS(2-CHLOROETHYL) ETHER	10.0	U	10.0	U	10.0	U	10.0	U
2-CHLOROPHENOL	10.0	U	10.0	U	10.0	U	10.0	U
1,3 DICHLOROBENZENE	10.0	U	10.0	U	10.0	U	10.0	U
1,4 DICHLOROBENZENE	10.0	U	20.0		150		10.0	U
BENZYL ALCOHOL	10.0	U	10.0	U	10.0	U	10.0	U
1,2 DICHLOROBENZENE	10.0	U	10.0	U	17.0		10.0	U
2-METHYLPHENOL	10.0	U	10.0	U	10.0	U	10.0	U
BIS(2-CHLOROISOPROPYL)ETHER	10.0	U	10.0	U	10.0	U	10.0	U
4-METHYLPHENOL	10.0	U	10.0	U	51.0		10.0	U
N-NITROSO-DIPROPYLAMINE	10.0	U	10.0	U	10.0	U	10.0	U
HEXACHLOROETHANE	10.0	U	10.0	U	10.0	U	10.0	U
NITROBENZENE	10.0	U	10.0	U	10.0	U	10.0	U
ISOPHORONE	10.0	U	10.0	U	10.0	U	10.0	U
2-NITROPHENOL	10.0	U	10.0	U	10.0	U	10.0	U
2,4-DIMETHYLPHENOL	10.0	U	10.0	U	10.0	U	10.0	U
BENZOIC ACID	50.0	U	50.0	U	41.0	M	50.0	U
BIS(2-CHLOROETHOXY) METHANE	10.0	U	10.0	U	10.0	U	10.0	U
2,4 DICHLOROPHENOL	10.0	U	10.0	U	10.0	U	10.0	U
1,2,4-TRICHLOROBENZENE	10.0	U	10.0	U	31.0		10.0	U
NAPHTHALENE	10.0	U	10.0	U	10.0	U	10.0	U
4-CHLOROANILINE		I		I		I		I
HEXACHLOROBUTADIENE	10.0	U	10.0	U	10.0	U	10.0	U
4-CHLORO-3-METHYLPHENOL	10.0	U	10.0	U	10.0	U	10.0	U
2-METHYLNAPHTHALENE	10.0	U	10.0	U	2.80	M	10.0	U
HEXACHLOROCYCLOPENTADIENE	10.0	U	10.0	U	10.0	U	10.0	U
2,4,6-TRICHLOROPHENOL	10.0	U	10.0	U	10.0	U	10.0	U
2,4,5-TRICHLOROPHENOL	50.0	U	50.0	U	50.0	U	50.0	U
2-CHLORONAPHTHALENE	10.0	U	10.0	U	10.0	U	10.0	U
2-NITROANILINE	50.0	U	50.0	U	50.0	U	50.0	U
DIMETHYLPHTHALATE	10.0	U	10.0	U	10.0	U	10.0	U
ACENAPHTHYLENE	10.0	U	10.0	U	10.0	U	10.0	U
3-NITROANILINE		I		I		I		I
ACENAPHTHENE	10.0	U	10.0	U	10.0	U	10.0	U
2,4-DINITROPHENOL	50.0	U	50.0	U	50.0	U	50.0	U
4-NITROPHENOL	50.0	U	50.0	U	50.0	U	50.0	U
DIBENZOFURAN	10.0	U	10.0	U	10.0	U	10.0	U
2,4-DINITROTOLUENE	10.0	U	10.0	U	10.0	U	10.0	U

ANALYSIS TYPE: SEMIVOLATILES (PAGE 2)

TITLE: SYNTEX
LAB: UBTL
SAMPLE PREP:_____ ANALYST/ENTRY: E42

MATRIX: WATER
METHOD: 9302M01
REVIEWER:

UNITS: UG/L
CASE: 6192
DATE: 08/29/86

SAMPLE NUMBERS

COMPOUND	FK651001		FK651002		FK651003		FK651005	
2,6-DINITROTOLUENE	10.0	U	10.0	U	10.0	U	10.0	U
DIETHYLPHTHALATE	10.0	U	10.0	U	10.0	U	10.0	U
4-CHLOROPHENYL PHENYL ETHER	10.0	U	10.0	U	10.0	U	10.0	U
FLUORENE	10.0	U	10.0	U	10.0	U	10.0	U
4-NITROANILINE	50.0	U	50.0	U	50.0	U	50.0	U
4,6-DINITRO-2-METHYLPHENOL	50.0	U	50.0	U	50.0	U	50.0	U
N-NITROSODIPHENYLAMINE	10.0	U	10.0	U	10.0	U	10.0	U
4-BROMOPHENYL PHENYL ETHER	10.0	U	10.0	U	10.0	U	10.0	U
HEXACHLOROBENZENE	10.0	U	10.0	U	10.0	U	10.0	U
PENTACHLOROPHENOL	50.0	U	50.0	U	50.0	U	50.0	U
PHENANTHRENE	10.0	U	10.0	U	10.0	U	10.0	U
ANTHRACENE	10.0	U	10.0	U	10.0	U	10.0	U
DI-N-BUTYLPHTHALATE	10.0	U	10.0	U	10.0	U	10.0	U
FLUORANTHENE	10.0	U	10.0	U	10.0	U	10.0	U
PYRENE	10.0	U	10.0	U	10.0	U	10.0	U
BUTYL BENZYL PHTHALATE	10.0	U	10.0	U	10.0	U	10.0	U
3,3' DICHLOROBENZIDINE	20.0	U	20.0	U	20.0	U	20.0	U
BENZO(A)ANTHRACENE	10.0	U	10.0	U	10.0	U	10.0	U
BIS(2-ETHYLHEXYL)PHTHALATE	10.0	U	10.0	U	10.0	U	10.0	U
CHRYSENE	10.0	U	10.0	U	10.0	U	10.0	U
DI-N-OCTYL PHTHALATE	10.0	U	10.0	U	10.0	U	10.0	U
BENZO(B)FLUORANTHENE	10.0	U	10.0	U	10.0	U	10.0	U
BENZO(K)FLUORANTHENE	10.0	U	10.0	U	10.0	U	10.0	U
BENZO(A)PYRENE	10.0	U	10.0	U	10.0	U	10.0	U
INDENO(1,2,3-CD)PYRENE	10.0	U	10.0	U	10.0	U	10.0	U
DIBENZO(A,H)ANTHRACENE	10.0	U	10.0	U	10.0	U	10.0	U
BENZO(G,H,I)PERYLENE	10.0	U	10.0	U	10.0	U	10.0	U

ANALYSIS TYPE: SEMIVOLATILES (PAGE 2)

TITLE: SYNTEX
LAB: UBTL
SAMPLE PREP:_____ ANALYST/ENTRY: E42

MATRIX: WATER
METHOD: 9302MO
REVIEWER: [illegible]

UNITS: UG/L
CASE: 6192
DATE: 08/29/86

SAMPLE NUMBERS

FK651006F

COMPOUND		
2,6-DINITROTOLUENE	10.0	U
DIETHYLPHTHALATE	10.0	U
4-CHLOROPHENYL PHENYL ETHER	10.0	U
FLUORENE	10.0	U
4-NITROANILINE	50.0	U
4,6-DINITRO-2-METHYLPHENOL	50.0	U
N-NITROSODIPHENYLAMINE	10.0	U
4-BROMOPHENYL PHENYL ETHER	10.0	U
HEXACHLOROBENZENE	10.0	U
PENTACHLOROPHENOL	50.0	U
PHENANTHRENE	10.0	U
ANTHRACENE	10.0	U
DI-N-BUTYLPHTHALATE	10.0	U
FLUORANTHENE	10.0	U
PYRENE	10.0	U
BUTYL BENZYL PHTHALATE	10.0	U
3,3' DICHLOROBENZIDINE	20.0	U
BENZO(A)ANTHRACENE	10.0	U
BIS(2-ETHYLHEXYL)PHTHALATE	11.0	
CHRYSENE	10.0	U
DI-N-OCTYL PHTHALATE	10.0	U
BENZO(B)FLUORANTHENE	10.0	U
BENZO(K)FLUORANTHENE	10.0	U
BENZO(A)PYRENE	10.0	U
INDENO(1,2,3-CD)PYRENE	10.0	U
DIBENZO(A,H)ANTHRACENE	10.0	U
BENZO(G,H,I)PERYLENE	10.0	U

ANALYSIS TYPE: PESTICIDES

TITLE: SYNTEX
LAB: UBTL
SAMPLE PREP:_____ ANALYST/ENTRY: E43

MATRIX: WATER
METHOD: 9302M01
REVIEWER:

UNITS: UG/L
CASE: 6192
DATE: 08/29/86

SAMPLE NUMBERS

COMPOUND	FK651001		FK651002		FK651003		FK651004	
ALPHA-BHC	0.05	U	0.05	U	0.05	U	0.26	
BETA-BHC	0.05	U	0.05	U	0.05	U	0.05	U
DELTA-BHC	0.05	U	0.05	U	0.05	U	0.05	U
GAMMA-BHC	0.05	U	0.05	U	0.05	U	0.05	U
HEPTACHLOR	0.05	U	0.05	U	0.05	U	0.05	U
ALDRIN	0.05	U	0.05	U	0.05	U	0.05	U
HEPTACHLOR EPOXIDE	0.05	U	0.05	U	0.05	U	0.05	U
ENDOSULFAN I	0.05	U	0.05	U	0.05	U	0.05	U
DIELDRIN	0.1	U	0.1	U	0.1	U	0.1	U
4,4'-DDE	0.1	U	0.1	U	0.1	U	0.1	U
ENDRIN	0.1	U	0.1	U	0.1	U	0.1	U
ENDOSULFAN II	0.1	U	0.1	U	0.1	U	0.1	U
4,4'-DDD	0.1	U	0.1	U	0.1	U	0.1	U
ENDRIN ALDEHYDE	0.1	U	0.1	U	0.1	U	0.1	U
ENDOSULFAN SULFATE	0.1	U	0.1	U	0.1	U	0.1	U
4,4'-DDT	0.1	U	0.1	U	0.1	U	0.1	U
ENDRIN KETONE	0.1	U	0.1	U	0.1	U	0.1	U
METHOXYCHLOR	0.5	U	0.5	U	0.5	U	0.5	U
CHLORDANE	0.5	U	0.5	U	0.5	U	0.5	U
TOXAPHENE	1.00	U	1.00	U	1.00	U	1.00	U
AROCLOR-1016	0.5	U	0.5	U	0.5	U	0.5	U
AROCLOR-1221	0.5	U	0.5	U	0.5	U	0.5	U
AROCLOR-1232	0.5	U	0.5	U	0.5	U	0.5	U
AROCLOR-1242	0.5	U	0.5	U	0.5	U	0.5	U
AROCLOR-1248	0.5	U	0.5	U	0.5	U	0.5	U
AROCLOR-1254	1.00	U	1.00	U	1.00	U	1.00	U
AROCLOR-1260	1.00	U	1.00	U	1.00	U	1.00	U

ANALYSIS TYPE: PESTICIDES

TITLE: SYNTEX
LAB: UBTL
SAMPLE PREP:_____ ANALYST/ENTRY: E43

MATRIX: WATE
METHOD: 9302MV1
REVIEWER:

UNITS: UG/L
CASE: 6192
DATE: 08/29/86

SAMPLE NUMBERS

COMPOUND	FK651005		FK651006F	
ALPHA-BHC	0.05	U	0.05	U
BETA-BHC	0.05	U	0.05	U
DELTA-BHC	0.05	U	0.05	U
GAMMA-BHC	0.05	U	0.05	U
HEPTACHLOR	0.05	U	0.05	U
ALDRIN	0.05	U	0.05	U
HEPTACHLOR EPOXIDE	0.05	U	0.05	U
ENDOSULFAN I	0.05	U	0.05	U
DIELDRIN	0.1	U	0.1	U
4,4'-DDE	0.1	U	0.1	U
ENDRIN	0.1	U	0.1	U
ENDOSULFAN II	0.1	U	0.1	U
4,4'-DDD	0.1	U	0.1	U
ENDRIN ALDEHYDE	0.1	U	0.1	U
ENDOSULFAN SULFATE	0.1	U	0.1	U
4,4'-DDT	0.1	U	0.1	U
ENDRIN KETONE	0.1	U	0.1	U
METHOXYCHLOR	0.5	U	0.5	U
CHLORDANE	0.5	U	0.5	U
TOXAPHENE	1.00	U	1.00	U
AROCLOR-1016	0.5	U	0.5	U
AROCLOR-1221	0.5	U	0.5	U
AROCLOR-1232	0.5	U	0.5	U
AROCLOR-1242	0.5	U	0.5	U
AROCLOR-1248	0.5	U	0.5	U
AROCLOR-1254	1.00	U	1.00	U
AROCLOR-1260	1.00	U	1.00	U

TITLE: SYNTEX
LAB: UBTL
ANALYST/ENTRY: LT

MATRIX: WATER
METHOD: 9302M01
REVIEWER: GCS

UNITS: UG/L
CASE: 6192
DATE: 8-29-86

TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.	COMPOUND NAME**	FRACTION	EST. CONC.*
FK651001	NOTHING SIGNIFICANT FOUND	BNA	
FK651002	CHLOROBENZENE	BNA	20 J
FK651003	BENZENE PROPANOIC ACID	BNA	21 J
FK651003	1,1'-OXYBISBENZENE	BNA	222 J
FK651005	NOTHING SIGNIFICANT FOUND	BNA	
FK651002	5 UNKNOWNS	BNA	8.3-105 J
FK651003	18 UNKNOWNS	BNA	7.2-595 J
FK651006F	2 UNKNOWNS	BNA	15.6-18.0 J

*This is a crude estimation based on response relative to an internal standard. An authentic standard has not been run.

**The compounds were identified using a library search routine. Authentic standards have not been analyzed to verify compound mass spectra and retention times.

Case No.: 6192 Laboratory: UBTL

Contract No.: 68-01-7013 Method No.: 9302M01

SMO No.: GB380-GB386 EPA No.: FK651

Site: Syntex Matrix: Water

We have reviewed the above case. The following are our findings:

1. The data were received on time. Analyses were requested for the contract organic BNA and pesticide fractions only. The case narrative was missing from the data package.

2. Two acid surrogate recoveries exceeded control limits with one below 10% for sample FK651004/GB383. The laboratory has not reported the results of the reextraction and reanalysis as of the date of this memo.

3. Bis(2-ethylhexyl)phthalate was reported in the field blank, FK651006F/GB385. The data were qualified by the blank rules.

4. Several compounds exceeded initial and continuing calibration data review control limits. The data were qualified by the calibration rules.

5. An OCLP028402 audit was introduced as sample FK651900P/GB386. N-nitroso-di-n-propylamine was not reported in the BNA fraction. Upon inspection of the raw data, a value of 450 ug/L was calculated from the GC/MS quant. report. The identification of this compound was not confirmed because no mass spectrum was supplied. PCB 1254 was reported in the pesticide fraction, however only PCB 1260 was spiked.