514

CMB
KBH

JDB

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 7
25 FUNSTON ROAD
KANSAS CITY, KANSAS 66115

Site: Syntex Verona
ID#: MOD007458154
Breach: 3.3
Other: EPA
3-3-86

0751

RECEIVED
MAR 05 1986
SUPERFUND BRANCH

DATE: March 3, 1986

MEMORANDUM

SUBJECT: Syntex Agribusiness, Verona, Missouri

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

TO: Robert L. Morby
Chief, SPFD/WSTM

Attached for your review is:

- [ ] Data Transmittal
- [ ] Work Plan
- [X] Sample location and plotted data maps
- [ ] 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] E&E, Gary Kepko
[ ] LABO
[ ] EP&R
[ ] EMCM
[ ] RCRA
[ ] SPFD
[ ] TAT

40032207
SUPERFUND RECORDS

for [X] John C. Wickland
Director, ENSV

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

FROM: Nancy Kepko, E&E/FIT

DATE: February 28, 1986

SUBJECT: Syntex Compliance Monitoring Sample Result Maps

Sample maps were drafted for the following areas at the Syntex Plant located in Verona, Missouri:

- Grid Area
- Spill Area
- Irrigation Area
- Adjoining Property North Fence Line
- Slough Area
- Burn Area
- Lagoon Area
- Trench Area
- Monitoring Wells

Syntex and EPA split sample results obtained as of February 1, 1986 have been plotted.

NK:wm

recycled paper

	EPA	Syntex
Grid Area	AK651001 - Composite of 105.1, 105.2, 105.3, 105.4	- 105.0000 same sample
	AK651002 - Composite of 166.1, 166.2, 166.3, 166.4	- 166.0000 same sample
	AK651003 - Area void of vegetation special Sample	- 186.2001
	AK651004 - Composite of 245.1, 245.2, 245.3, 245.4	- 245.0000 same sample
Grid Area	AK651005 - Composite of 244.1, 244.2, 244.3, 244.4	- 244.0000 same sample
Slough Area	AK651006 - slough sample 4600.6009 (9") center	4600.8009 syntex composite of three EPA samples
	AK651007 - Slough sample 4600.5009 (9") bank	
Slough Area	AK651008 - Slough sample 4600.7009 (9") bank	
Irrigation	AK651009 - composite of syntex samples 195.2005, 195.3001, 195.3004 195.3007	
Burn Area	AK651010 - composite of 8 perimeter borings at 3-4.5 level 136.2300, 136.3300, 136.4300, 137.1300, 137.2300 137.3300, 137.4300, 136.1300	
Lagoon Area	AK651011 - sample from 214.2409 part of syntex composite 3214.2306 comprised of 214.2306, 214.2309, 224.3304, 224.3307	
	AK651012 - sample from 214.2007 depth 3-4.5' part of Syntex Composite 3214.2304 comprised of 214.2304, 214.2305, 214.2307, 214.2308	
	AK651013 - sample composite at 3-4.5' depth part of Syntex composites 3214.1309, 3214.2306	
	AK651014 - sample composite at 4.5-6.0' depth part of Syntex Composite 3214.1409, 3214.2406	
	AK651015 - special sample samp as sample 214.2101	
	AK651016 - sample composite at 3-4.5' depth part of Syntex composite 3214.1307 3214.2304	
Lagoon Area	AK651017 - sample composite at 3-4.5' depth part of syntex composite 3214.1407, 3214.2404	

Lagoon Area AK651018 - sample composite at 3-4.5' depth part of Syntex composite
3214.1301 3214.1303

AK651019 - sample composite at 4.5-6.0' part of Syntex composite
3214.1401 3214.1403

AK651020 - sample composite at 3-4.5' part of Syntex composite
3224.4302 3224.3302

AK651021 - sample composite at 4.5-6.0' part of Syntex composite
3224.4402 3224.3402

AK651022 - sample composite at 3-4.5' part of Syntex composite
3224.3305 3223.4301

AK651023 - sample composite at 4.5-6.0' part of Syntex composite
3224.3405 3223.4401

AK651024 - sample at 3-4.5' same as Syntex sample 223.4303

AK651025 - sample at 4.5-6.0' same as Syntex sample 223.4403

AK651026 - sample at 0-1.5' same as Syntex sample 223.1101
AK651027 - sample at 1.5-3.0' same as Syntex Sample 223.1201
AK651028 - sample at 3.0-4.5' same as Syntex Sample 223.1301
AK651029 - sample at 4.5-6.0' same as Syntex Sample 223.1401
AK651030 - Sample at 3-4.5' same as Syntex Sample 233.4301
AK651031 - sample at 4.5-6.0' same as Syntex Sample 233.4401
AK651032 - sample at 3-4.5 same as Syntex Sample 234.3301
Lagoon Area AK651033 - Sample at 4.5-6.0' same as Syntex Sample 234.3401

Trench AK651034 - composite for Angle boring 12.2 same as Syntex 312.2000
AK651035 - composite for Angle Boring 12.1 same as Syntex 312.1000
Trench AK651036 - " " " " 9.1 " " " 309.1000

Trench Area	AK651037 -	composite	for	angle	boring	9.2	same	as	Syntex	309.2000
	AK651038 -	"	"	"	"	5.1	"	"	"	305.1000
	AK651039 -	"	"	"	"	19.1	"	"	"	319.1000
	AK651040 -	"	"	"	"	19.2	"	"	"	319.2000
	AK651041 -	"	"	"	"	5.2	"	"	"	305.2000
	AK651042 -	composite	of	drill	cuttings	No	Syntex	sample		
	AK651043 -	composite	of	shallow	0-2'	same	as	Syntex	321.1000	
Trench Area	AK651044 -	composite	of	shallow	-2-5'	same	as	Syntex	321.2000	
	AK651045 -	auger	cutting	from	MW7	No	Syntex	sample		
Wells	AK651046 -	groundwater	from	MW1	same	as	Syntex	01-09-09-85		
	AK651047 -	groundwater	from	MW5	"	"	"	05-09-09-85		
	AK651048	"	"	MW6	"	"	"	06-09-09-85		
	AK651049	"	"	MW7	"	"	"	07-09-09-85		
	AK651050	"	"	MW8	"	"	"	08-09-09-85		
Wells	AK651051F	Field	blank	no	syntex	sample				

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

TITLE: Appendix 19
Lagoon Area Sample Locations

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

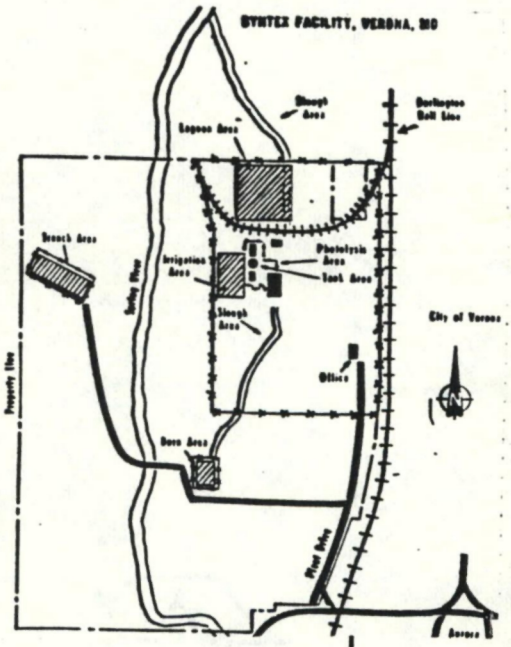
geology and environment, inc.
SHAWNEE MISSION, KANSAS

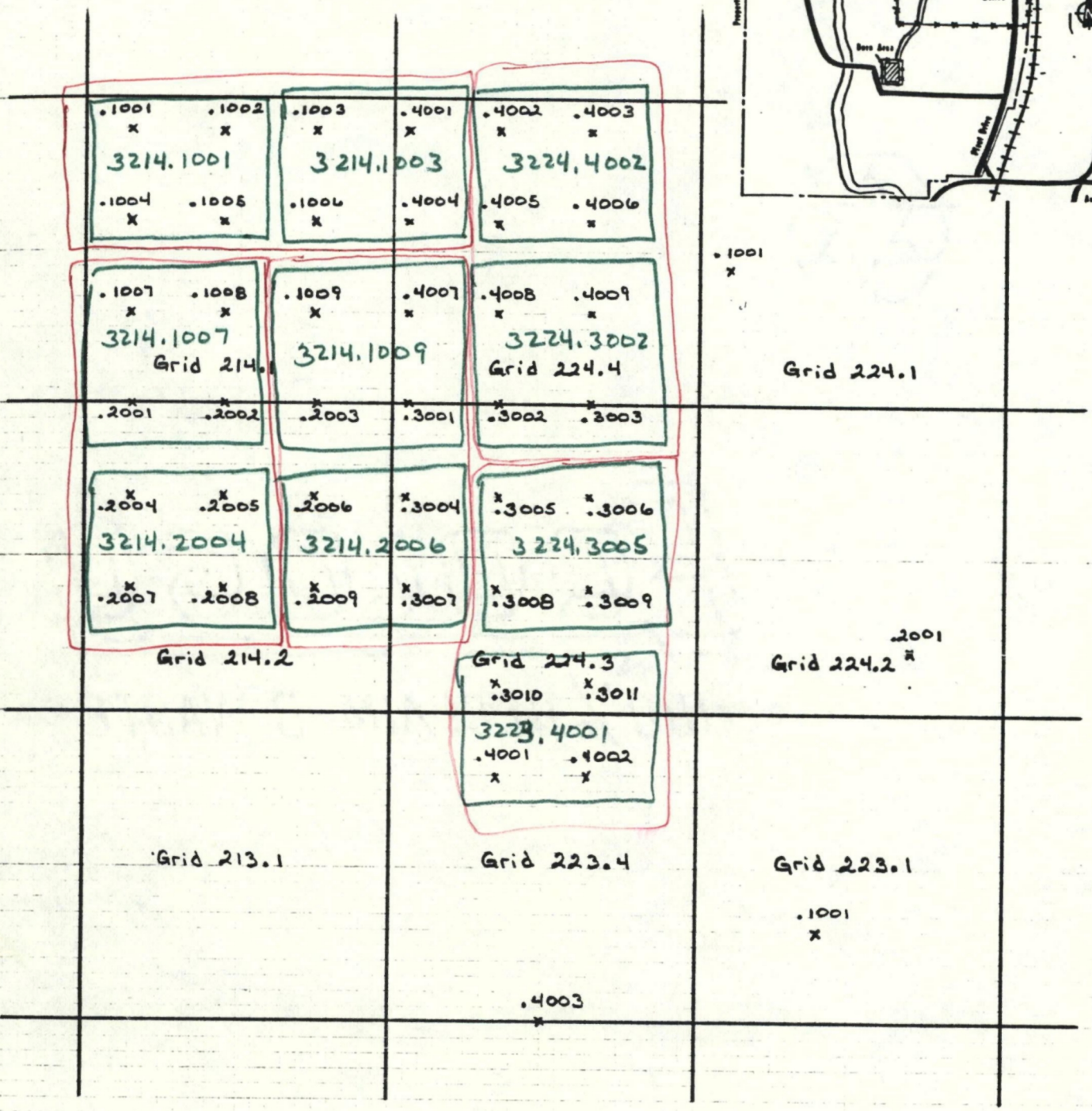
Date _____ Drawn by _____ Rev. _____

LAGOON AREA SAMPLE LOCATIONS

Scale
0 50 100 FT

N





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

TITLE: Burn Area Sample Results
Syntex Compliance Monitoring
Verona, MO

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

ecology and environment, inc.
SHAWNEE MISSION, KANSAS

Date: _____ Drawn by: _____ Date: _____

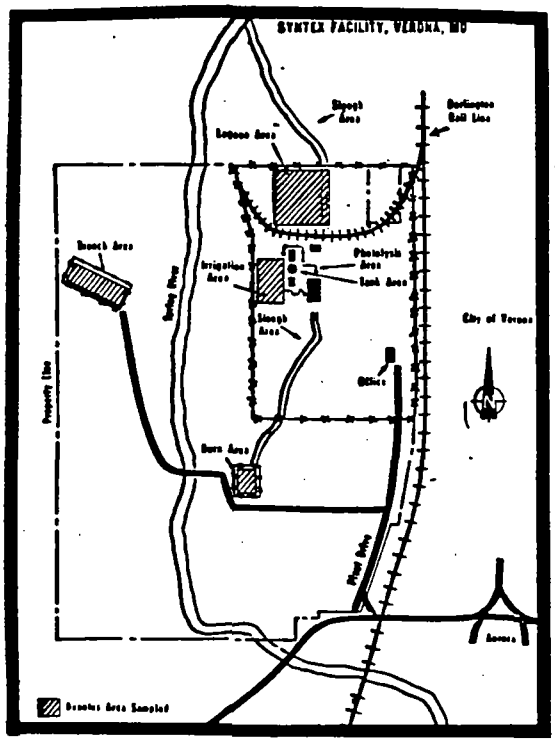
LEGEND

- Syntex lab results
- o sample location
- ND contaminate not detected
- • aliquot for composite

note: all concentrations in ppb
all depths in feet

Scale
0 50 100 FT

N



Depth	TCDD
0-1.5	ND
1.5-3.0	ND
•3.0-4.5	ND
4.5-6.0	ND

o 137.4

Depth	TCDD
0-1.5	ND
1.5-3.0	ND
•3.0-4.5	ND
4.5-6.0	ND

o 137.1

Depth	TCDD
0-1.5	ND
1.5-3.0	ND
•3.0-4.5	ND
4.5-6.0	ND

o 137.3

Depth	TCDD
0-1.5	ND
1.5-3.0	ND
•3.0-4.5	ND
4.5-6.0	ND

o 137.2

Depth	TCDD
0-1.5	ND
1.5-3.0	ND
•3.0-4.5	ND
4.5-6.0	ND

o 136.4

Depth	TCDD
0-1.5	ND
1.5-3.0	ND
•3.0-4.5	ND
4.5-6.0	ND

o 136.1

o.1001
o.1003 o.1002
o.1004

See enlargement for sample results

Depth	TCDD
0-1.5	ND
1.5-3.0	ND
•3.0-4.5	ND
4.5-6.0	ND

o 136.3

Depth	TCDD
0-1.5	ND
1.5-3.0	ND
•3.0-4.5	ND
4.5-6.0	ND

o 136.2

• EPA composite ✱ AK651010

compound	concentration
TCDD	ND
Di-N-Butylphthalate	48M
Dimethylfuranone	800J

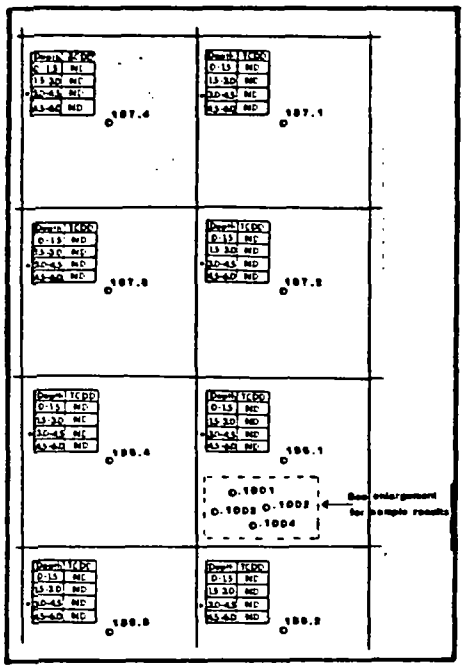
FIELD INVESTIGATIONS OF UNCONTROLLED HAZARDOUS WASTE SITES
TASK REPORT TO THE E.P.A.

TITLE: Burn Area Sample Results
Syntex Compliance Monitoring
Verona, MO

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

ecology and environment, inc.
SHAWNEE MISSION, KANSAS

Date: _____ Drawn by: _____ Scale: _____



LEGEND

- Syntex lab results
- o sample location
- ND contaminate not detected
- * aliquot for composite

note: all concentrations in ppb
all depths in feet

Burn Area Enlargement

Scale

0 5 10 FT

N

Depth	TCDD
0-1.5	10.30
1.5-3.0	27.00
3.0-4.5	18.10
3.0-4.5	16.50D

o 136.1001

Depth	TCDD
0-1.5	14.50
1.5-3.0	6.00
3.0-4.5	0.87
4.5-6.0	ND

o 136.1002

o 136.1003

Depth	TCDD
0-1.5	0.53
1.5-3.0	0.28
3.0-4.5	ND
4.5-6.0	ND

Depth	TCDD
0-1.0	0.65
1.0-2.0	0.79
2.0-3.0	ND
3.0-4.0	ND

o 136.1004

BURN AREA

SYNTEX SAMPLE NUMBER	DEPTH (FEET)	TCDD (ppb)	TCB (ppb)	TCP (ppb)	HEX (ppb)
136.1100	0-1.5	ND	--	--	--
136.1101	0-1.5	10.30	--	--	--
136.1102	0-1.5	14.50	--	--	--
136.1103	0-1.5	0.53	--	--	--
136.1104	0-1.0	0.65	--	--	--
136.1200	1.5-3.0	ND	--	--	--
136.1201	1.5-3.0	27.00	--	--	--
136.1202	1.5-3.0	6.00	--	--	--
136.1203	1.5-3.0	0.28	--	--	--
136.1204	1.0-2.0	0.79	--	--	--
136.1300	3.0-4.5	ND	--	--	--
136.1301	3.0-4.5	18.10	--	--	--
136.0301D	3.0-4.5	16.50	--	--	--
136.1302	3.0-4.5	0.87	--	--	--
136.1303	3.0-4.5	ND	--	--	--
136.1304	2.0-3.0	ND	--	--	--
136.1400	4.5-6.0	ND	--	--	--
136.1402	4.5-6.0	ND	--	--	--
136.1403	4.5-6.0	ND	--	--	--
136.1404	3.0-4.0	ND	--	--	--
136.2100	0-1.5	ND	--	--	--
136.2200	1.5-3.0	ND	--	--	--
136.2300	3.0-4.5	ND	--	--	--
136.2400	4.5-6.0	ND	--	--	--
136.3100	0-1.5	ND	--	--	--
136.3200	1.5-3.0	ND	--	--	--
136.3300	3.0-4.5	ND	--	--	--
136.3400	4.5-6.0	ND	--	--	--
136.4100	0-1.5	ND	--	--	--
136.4200	1.5-3.0	ND	--	--	--
136.4300	3.0-4.5	ND	--	--	--
136.4400	4.5-6.0	ND	--	--	--
137.1100	0-1.5	ND	--	--	--
137.1200	1.5-3.0	ND	--	--	--
137.1300	3.0-4.5	ND	--	--	--
137.1400	4.5-6.0	ND	--	--	--
137.2100	0-1.5	ND	--	--	--
137.2200	1.5-3.0	ND	--	--	--
137.2300	3.0-4.5	ND	--	--	--
137.2400	4.5-6.0	ND	--	--	--
137.3100	0-1.5	ND	--	--	--
137.3200	1.5-3.0	ND	--	--	--
137.3300	3.0-4.5	ND	--	--	--
137.3400	4.5-6.0	ND	--	--	--
137.4100	0-1.5	ND	--	--	--
137.4200	1.5-3.0	ND	--	--	--
137.4300	3.0-4.5	ND	--	--	--
137.4400	4.5-6.0	ND	--	--	--

ND = Not detected
D = Duplicate analysis
- = Analysis not run

BURN AREA

EPA SAMPLE NUMBER	DEPTH (FEET)	TCDD (FEET)	Di-N-Buthylphthalate (ppb)	Dimethylfuranone (ppb)
AK651010	3.0-4.5	ND	48 M	300 J

ND = Not detected

M = The value indicatd 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.

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

TITLE: Adjoining Property North Fence Line Syntex Compliance Monitoring Verona, MO

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

ecology and environment, inc.
SHAWNEE MISSION, KANSAS

Date: ____ Drawn by: ____ Scale: ____

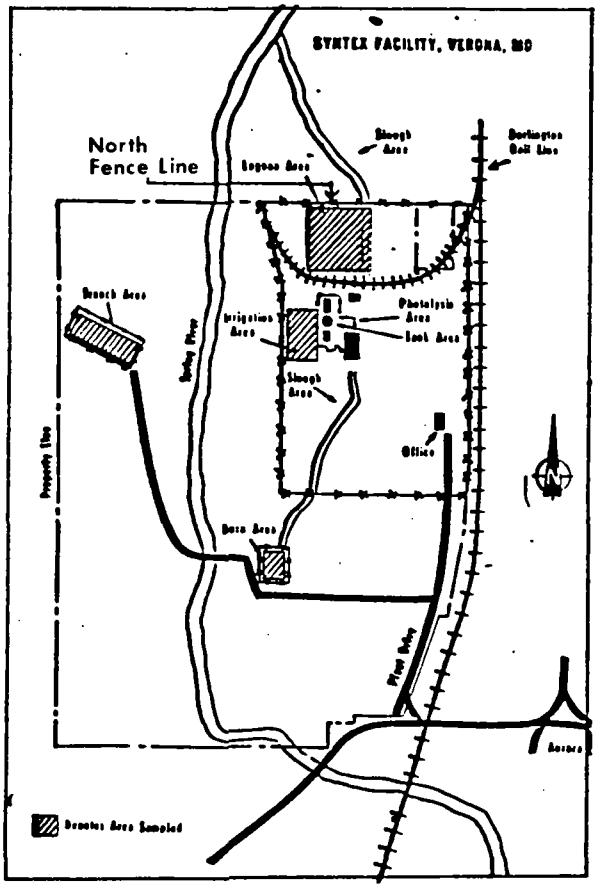
LEGEND

o sample location
ND contaminate not detected
D duplicate analysis

NOTE: All samples collected at a depth of 0-1 FT
All concentrations in ppb
No EPA split samples were collected

N

Scale
0 50 100 FT



235.4001 TCDD ND
235.4002 TCDD ND
235.3001 TCDD ND
235.3002 TCDD ND
235.3003 TCDD ND
234.4002 TCDD ND
234.4003 TCDD ND
234.3002 TCDD ND
234.3003 TCDD 0.13
233.4002 TCDD ND
233.4003 TCDD ND
233.3001 TCDD 0.80 4.60D
233.3002 TCDD ND
233.3003 TCDD ND

ADJOINING PROPERTY NORTH FENCE LINE

SYNTEX SAMPLE NUMBER	DEPTH (FEET)	TCDD (ppb)	TCB (ppb)	TCP (ppb)	HEX (ppb)
233.3001	0-1	0.80	---	---	---
233.3001	0-1	4.60 D	---	---	---
233.3002	0-1	ND	---	---	---
233.3003	0-1	ND	---	---	---
233.4002	0-1	ND	---	---	---
233.4003	0-1	ND	---	---	---
234.3002	0-1	ND	---	---	---
234.3003	0-1	0.13	---	---	---
234.4002	0-1	ND	---	---	---
234.4003	0-1	ND	---	---	---
235.3001	0-1	ND	---	---	---
235.3002	0-1	ND	---	---	---
235.3003	0-1	ND	---	---	---
235.4001	0-1	ND	---	---	---
235.4002	0-1	ND	---	---	---

ND = Not detected
D = Duplicate analysis
--- = Analysis not run

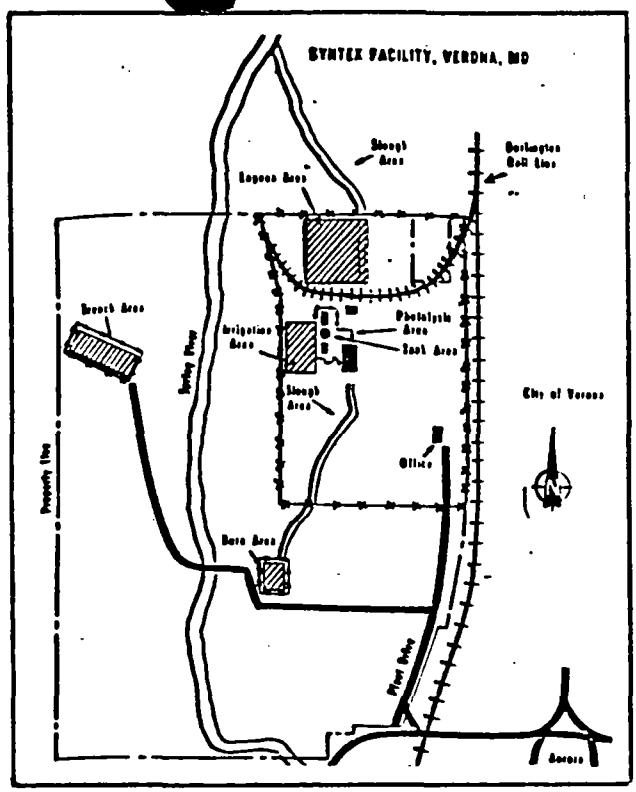
FIELD INVESTIGATIONS OF UNCONTROLLED HAZARDOUS WASTE SITES
TASK REPORT TO THE E.P.A.

TITLE: Irrigation Area Sample Results Syntex Compliance Monitoring Verona, MO

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

ecology and environment, inc.
SHAWNEE MISSION, KANSAS

Date: _____ Drawn by: _____ Scale: _____



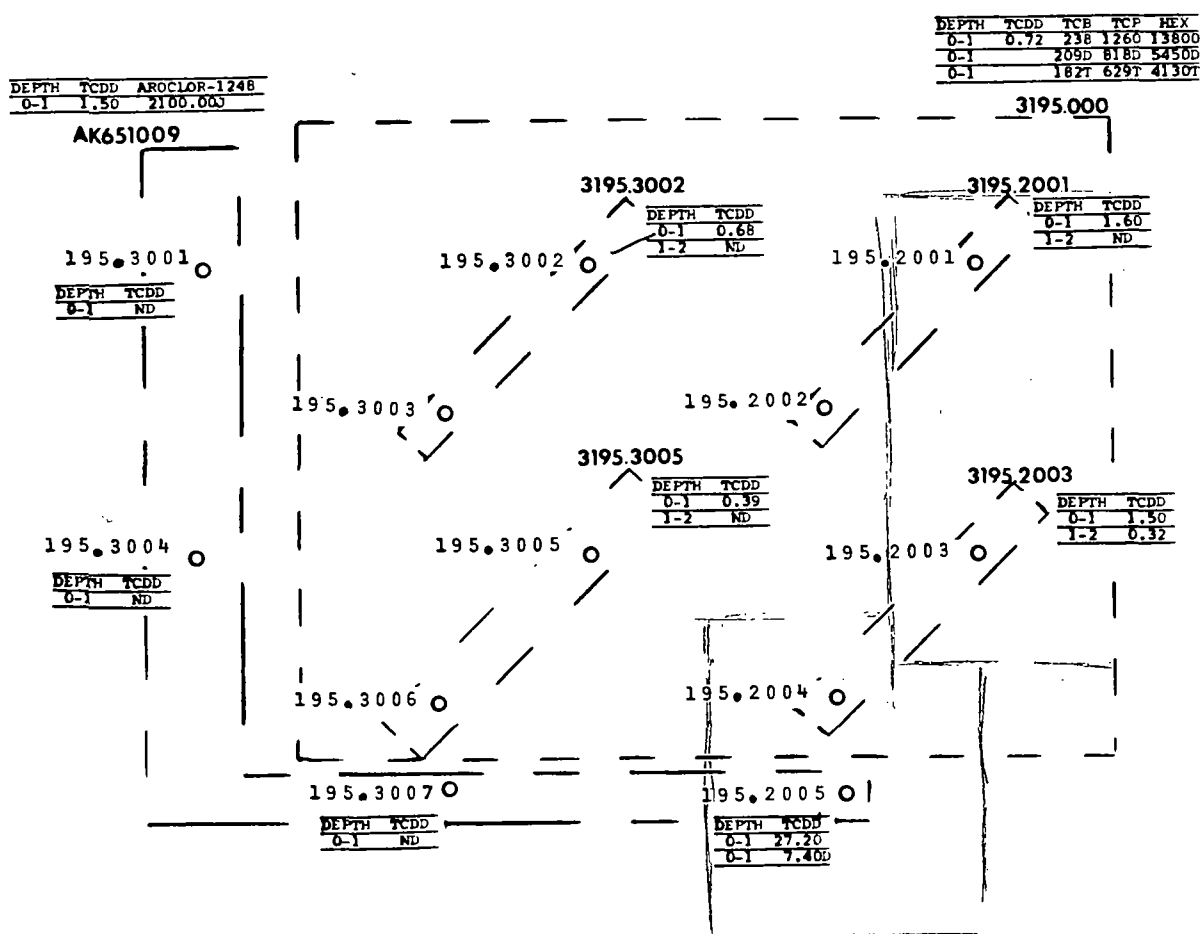
LEGEND

- o Sample location
- Syntex composite sample
- EPA composite sample
- ND contaminate not detected
- D duplicate analysis
- T triplicate analysis
- J value is estimated because quality control criteria were not met

N

Scale

0 15 30 FT



IRRIGATION AREA

SYNTEX SAMPLE NUMBER	DEPTH (FEET)	TCDD (ppb)	TCB (ppb)	TCP (ppb)	HEX (ppb)
195.2005	0-1	27.20	---	---	---
195.2005	0-1	7.40 D	---	---	---
195.3001	0-1	ND	---	---	---
195.3004	0-1	ND	---	---	---
195.3007	0-1	ND	---	---	---
3195.0000	0-1	0.72	238.0	1260.0	13800.0
3195.0000	0-1	---	209.0 D	818.0 D	5450.0 D
3195.0000	0-1	---	182.0 T	629.0 T	4130.0 T
3195.2101	0-1	1.60	---	---	---
3195.2103	0-1	1.50	---	---	---
3195.2201	1-2	ND	---	---	---
3195.2203	1-2	0.32	---	---	---
3195.3102	0-1	0.68	---	---	---
3195.3105	0-1	0.39	---	---	---
3195.3202	1-2	ND	---	---	---
3195.3205	1-2	ND	---	---	---

ND = Not detected
D = Duplicate analysis
T = Triplicate analysis
--- = Analysis not performed

IRRIGATION AREA

EPA SAMPLE NUMBER	DEPTH (FEET)	TCDD (ppb)	AROCLOR - 1248 (ppb)
AK651009	0-1	1.50	2100.00 J

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

LAGOON AREA

SYNTEX SAMPLE NUMBER	DEPTH (feet)	TCDD (ppb)	TCB (ppb)	TCP (ppb)	HEX (ppb)
214.1107	0-1.5	0.18	---	---	---
214.1108	0-1.5	5.30	---	---	---
214.1109	0-1.5	4.70	---	---	---
214.1207	1.5-3.0	ND	---	---	---
214.1208	1.5-3.0	ND	---	---	---
214.2101	0-1.5	1380.0	---	---	---
214.2102	0-1.5	1170.0	---	---	---
214.2103	0-1.5	269.0	---	---	---
214.2103	0-1.5	58.9 D	---	---	---
214.2103	0-1.5	349.0 T	---	---	---
214.2103	0-1.5	918.0 Q	---	---	---
214.2201	1.5-3.0	5.30	---	---	---
214.2202	1.5-3.0	22.80	---	---	---
223.1101	1-1.5	0.01	6.40	11.80	766.00
223.1201	1.5-3.0	ND	11.80	10.50	81.90
223.1301	3.0-4.5	ND	1.20	4.40	189.00
223.1401	4.5-6.0	ND	ND	3.80	238.00
223.4103	0-1.5	0.63	54.50	468.00	53200.00 D
223.4103	0-1.5	---	108.00 D	557.00 D	81200.00 D
223.4103	0-1.5	---	159.00 T	---	---
223.4203	1.5-3.0	3.60	216.00	8.40	534.00
223.4303	3.0-4.5	ND	8.70	889.00	65900.00
223.4403	4.5-6.0	ND	ND	5.50	296.00
224.1101	0-1.5	0.20	36.90	725.00	27200.00
224.1201	1.5-3.0	1.90	465.00	5360.00	117000.00
224.1301	3.0-4.5	0.26	250.00	2360.00	56500.00
224.1401	4.5-6.0	ND	91.40	807.00	26100.00
224.2101	0-1.5	2.40	178.00	3480.00	170000.00
224.2201	3.0-4.5	0.44	36.10	91.4	6640.00
224.2301	3.0-4.5	ND	23.80	3.20	320.00
224.2401	4.5-6.0	0.15	28.00	18.50	4150.00
224.3101	0-1.5	0.36	---	---	---
224.4107	0-1.5	22.30	---	---	---
233.4101	0-1.5	0.16	3.90	3.80	397.00
233.4201	1.5-3.0	ND	ND	2.30	190.00
233.4301	3.0-4.5	ND	ND	ND	42.10
233.4401	4.5-6.0	ND	ND	ND	178.00
234.3101	0-1.5	0.06	8.30	51.60	3090.00
234.3201	1.5-3.0	ND	3.30	90.50	8070.00
234.3301	3.0-4.5	ND	2.60	5.50	42.90
234.3401	4.5-6.0	ND	ND	ND	169.00
234.4101	1-1.5	ND	ND	ND	8.40
234.4201	1.5-3.0	ND	ND	ND	ND
234.4301	3.0-4.5	ND	ND	ND	17.40
234.4401	4.5-6.0	ND	0.90	ND	18.70
3214.1101	0-1.5	0.18	---	---	---
3214.1103	0-1.5	1.20	---	---	---
3214.1107	0-1.5	741.00	---	---	---
3214.1107	0-1.5	1350.00 D	---	---	---
3214.1109	0-1.5	78.30	---	---	---
3214.1109	0-1.5	34.00 D	---	---	---
3214.1201	1.5-3.0	1.10	---	---	---
3214.1203	1.5-3.0	0.23	---	---	---
3214.1207	1.5-3.0	30.60	---	---	---
3214.1209	1.5-3.0	1.50	---	---	---
3214.1301	3.0-4.5	2.00	---	---	---
3214.1303	3.0-4.5	0.04	42.20	103.00	4730.00
3214.1307	3.0-4.5	6.60	---	---	---
3214.1307	3.0-4.5	7.100	---	---	---
3214.1309	3.0-4.5	1.90	177.00	1540.00	31000.00
3214.1401	4.5-6.0	ND	---	---	---
3214.1403	4.5-6.0	ND	62.70	243.00	12600.00
3213.1407	4.5-6.0	2.10	---	---	---

LAGOON AREA

SYNTEX SAMPLE NUMBER	DEPTH (feet)	TCDD (ppb)	TCB (ppb)	TCP (ppb)	HEX (ppb)
3214.1409	4.5-6.0	0.28	29.50	270.00	12500.00
3214.2104	0-1.5	14.20	---	---	---
3214.2106	0-1.5	12.00	---	---	---
3214.2204	1.5-3.0	1.10	---	---	---
3214.2206	1.5-3.0	1.00	---	---	---
3214.2304	3.0-4.5	4.20	116.00	265.00	15100.00
3214.2306	3.0-4.5	0.97	51.00	781.00	46200.00
3214.2404	4.5-6.0	0.16	30.80	337.00	8890.00
3214.2406	4.5-6.0	0.08	22.50	147.00	2550.00
3223.4101	0-1.5	4.30	---	---	---
3223.4201	1.5-3.0	1.10	---	---	---
3223.4301	3.0-4.5	ND	12.20	21.40	1270.00
3223.4301	3.0-4.5	---	30.70 D	13.30 D	616.00 D
3223,4301	3.0-4.5	---	41.30 T	---	---
3223.4401	4.5-6.0	ND	25.70	31.80	3690.00
3224.3102	0-1.5	3.30	---	---	---
3224.3105	0-1.5	0.86	---	---	---
3224.3202	1.5-3.0	0.01	---	---	---
3224.3205	1.5-3.0	ND	---	---	---
3224.3302	3.0-4.5	ND	27.70	91.00	4670.00
3224.3305	3.0-4.5	ND	---	---	---
3224.3402	4.5-6.0	ND	14.80	69.00	3290.00
3224.3405	4.5-6.0	ND	---	---	---
3224.4102	0-1.5	0.07	---	---	---
3224.4202	1.5-3.0	ND	---	---	---
3224.4302	3.0-4.5	ND	---	---	---
3224.4402	4.5-6.0	ND	---	---	---

ND = Not detected
D = Duplicate analysis
T = Triplicate analysis
Q = Quadruplicate analysis
--- = Analysis not performed

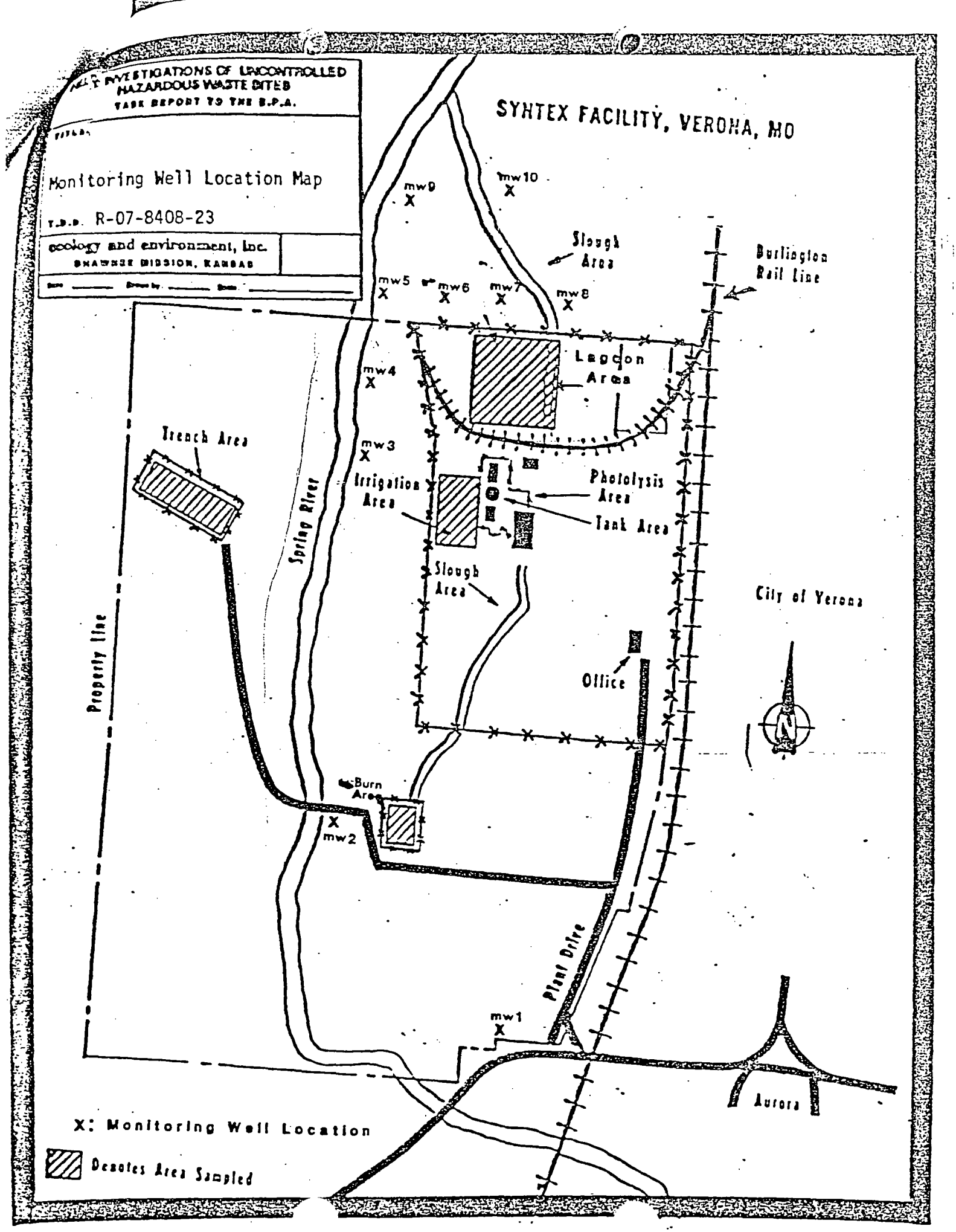
LAGOON AREA

EPA SAMPLE NUMBER	DEPTH (feet)	TCDD (ppb)	1,2,4 Trichlorobenzene (ppb)	2,4,6-Trichlorophenol (ppb)	2,4,5-Trichlorophenol (ppb)	Isophorone (ppb)	Bis(2-Ethylhexyl)phthalate (ppb)
AK651011	3.0-4.5	ND	ND	ND	ND	ND	30.0 M
AK651011	3.0-4.5	ND-D	---	---	---	---	---
AK651012	3.0-4.5	0.40	ND	ND	ND	ND	32.0 M
AK651013	3.0-4.5	1.80	ND	ND	ND	ND	68.0 M
AK651014	4.5-4.6	ND	ND	ND	ND	ND	ND
AK651015	0-1.5	979.00	ND	ND	ND	ND	ND
AK651015	0-1.5	1120.00	ND	ND	ND	ND	ND
AK651016	3.0-4.5	4.00	ND	7100.00	31000.00	ND	ND
AK651017	4.5-6.0	2.20	73.0 M	ND	1300.00	ND	ND
AK651018	3.0-4.5	0.42	740.0 M	ND	130000.00	ND	ND
AK651019	4.5-6.0	0.17	ND	ND	530.0 M	ND	440
AK651020	3.0-4.5	ND	ND	ND	ND	ND	ND
AK651020	3.0-4.5	ND-D	---	---	---	---	---
AK651021	4.5-6.0	ND	ND	ND	ND	ND	ND
AK651022	3.0-4.5	0.40	ND	ND	ND	ND	ND
AK651023	4.5-6.0	0.10	ND	ND	ND	ND	ND
AK651024	3.0-4.5	ND	ND	ND	ND	ND	ND
AK651025	4.5-6.0	ND	ND	ND	ND	ND	ND
AK651026	0-1.5	ND	ND	ND	ND	ND	ND
AK651027	1.5-3.0	ND	ND	ND	ND	ND	ND
AK651028	3.0-4.5	ND	ND	ND	ND	ND	ND
AK651029	4.5-6.0	ND	ND	ND	ND	ND	ND
AK651030	3.0-4.5	ND	ND	ND	ND	ND	ND
AK651031	4.5-6.0	ND	ND	ND	ND	ND	ND
AK651032	3.0-4.5	ND	ND	ND	ND	ND	ND
AK651033	4.5-6.0	ND	ND	ND	ND	ND	ND

LAGOON AREA (Con't)

EPA SAMPLE NUMBER	Benzo(B)Fluoranthene	Benzo (K)Fluoranthene	Chrysene	Aroclor-1242	Aroclor - 1232
AK651011	ND	ND	ND	ND	ND
AK651011	---	ND	ND	ND	ND
AK651012	ND	ND	ND	ND	ND
AK651013	ND	ND	ND	ND	ND
AK651014	50.0 M	50.0 M	ND	26.0 J	ND
AK651015	ND	ND	ND	ND	ND
AK651015	ND	ND	ND	ND	ND
AK651016	ND	ND	ND	ND	240. J
AK651017	ND	ND	ND	ND	ND
AK651018	ND	ND	65.0 M	ND	ND
AK651019	ND	ND	ND	ND	ND
AK651020	---	ND	ND	ND	ND
AK651020	ND	ND	ND	ND	ND
AK651021	ND	ND	ND	ND	ND
AK651022	ND	ND	ND	ND	ND
AK651023	ND	ND	ND	ND	ND
AK651024	ND	ND	ND	ND	ND
AK651025	ND	ND	ND	ND	ND
AK651026	ND	ND	ND	ND	ND
AK651027	ND	ND	ND	ND	ND
AK651028	ND	ND	ND	ND	ND
AK651029	ND	ND	ND	ND	ND
AK651030	ND	ND	ND	ND	ND
AK651031	ND	ND	ND	ND	ND
AK651032	ND	ND	ND	ND	ND
AK651033	ND	ND	ND	ND	ND

ND = Not detected
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


INVESTIGATIONS OF UNCONTROLLED HAZARDOUS WASTE SITES
TASK REPORT TO THE E.P.A.
Monitoring Well Location Map
T.D.D. R-07-8408-23
ecology and environment, inc.
SHAWNEE MISSION, KANSAS
SYNTEX FACILITY, VERONA, MO
mw9
mw10
Slough Area
Burlington Rail Line
mw5
mw6
mw7
mw8
Lagoon Area
mw4
Trench Area
mw3
Irrigation Area
Photolysis Area
Tank Area
Spring River
Slough Area
City of Verona
Property line
Office
Burn Area
mw2
Plant Drive
mw1
Aurora
X: Monitoring Well Location
Denotes Area Sampled

GRID AREA

SYNTEX SAMPLE NUMBER	DEPTH (Feet)	TCDD (ppb)	TCB (ppb)	TCP (ppb)	HEX (ppb)
104	0-1	ND	--	--	--
105	0-1	ND	--	--	--
106	0-1	ND	ND	ND	ND
107	0-1	ND	--	--	--
113	0-1	ND	--	--	--
114	0-4	ND	--	--	--
115	0-1	ND	--	--	--
116	0-1	ND	--	--	--
117	0-1	ND	--	--	--
123	0-1	ND	--	--	--
124	0-1	ND	ND	ND	30.6
125	0-1	ND	--	--	--
126	0-1	ND	--	--	--
127	0-1	ND	--	--	--
128	0-1	ND	--	--	--
132	0-1	ND	--	--	--
133	0-1	ND	--	--	--
134	0-1	0.08	--	--	--
135	0-1	ND	--	--	--
138	0-1	ND	--	--	--
142	0-1	ND	--	--	--
143	0-1	ND	--	--	--
144	0-1	ND	--	--	--
145	0-1	ND	--	--	--
146	0-1	ND	ND	ND	36.6
147	0-1	ND	ND	ND	19.2
148	0-1	0.13	3.2	ND	239
149	0-1	ND	--	--	--
152	0-1	ND	--	--	--
153	0-1	ND	ND	ND	27.1
154	0-1	ND	--	--	--
155	0-1	ND	--	--	--
156	0-1	0.18	ND	ND	218
157	0-1	ND	--	--	--
158	0-1	MD	--	--	--
162	0-1	ND	--	--	--
163	0-1	ND	--	--	--
164	0-1	ND	--	--	--
165	0-1	1.60	--	--	--
166	0-1	0.16	--	--	--
167	0-1	ND	--	--	--
168	0-1	ND	--	--	--
172	0-1	ND-D	--	--	--
173	0-1	ND	--	--	--
174	0-1	ND	--	--	--
175	0-1	0.41	--	--	--
176	0-1	0.21	--	--	--
177	0-1	0.15	--	--	--
178	0-1	ND	--	--	--
182	0-1	ND	ND	ND	ND
183	0-1	--	ND-D	ND-D	19.5-D

GRID AREA

SYNTEX SAMPLE NUMBER	DEPTH (Feet)	TCDD (ppb)	TCB (ppb)	TCP (ppb)	HEX (ppb)
183	0-1	--	ND-T	ND-T	45.3-T
184	0-1	ND	--	--	--
185	0-1	ND	--	--	--
186	0-1	0.77	8.4	58.2	86.8
187	0-1	ND	--	--	--
192	0-1	0.50	--	--	--
193	0-1	ND	--	--	--
194	0-1	0.56	--	--	--
196	0-1	ND	--	--	--
197	0-1	ND	--	--	--
202	0-1	ND	--	--	--
203	0-1	0.14	--	--	--
204	0-1	0.98	--	--	--
205	0-1	ND	--	--	--
206	0-1	ND	--	--	--
207	0-1	ND	--	--	--
211	0-1	ND	--	--	--
212	0-1	3.10	--	--	--
212	0-1	1.70-D	--	--	--
213	0-1	ND	6.7	40.8	822
213	0-1	--	0	8.8-D	397-D
214	0-1	0.37	--	--	--
215	0-1	ND	--	--	--
216	0-1	0.12	7.0	ND	30.3
216	0-1	--	ND-D	ND-D	94.5-D
217	0-1	ND	--	--	--
221	0-1	ND	--	--	--
222	0-1	2.00	--	--	--
225	0-1	ND	--	--	--
226	0-1	ND	--	--	--
227	0-1	ND	--	--	--
234	0-1	--	ND-D	ND-D	109-D
235	0-1	ND	--	--	--
236	0-1	ND	--	--	--
243	0-1	--	0	47.3-D	3740-D
244	0-1	ND	--	--	--
245	0-1	ND	--	--	--
246	0-1	--	0	ND-D	ND-D
254	0-1	ND	--	--	--
255	0-1	ND	--	--	--
255	0-1	ND	ND	ND	ND
256	0-1	ND	--	--	--
263	0-1	ND	--	--	--
264	0-1	ND	--	--	--
265	0-1	ND	--	--	--
266	0-1	ND	--	--	--
271	0-1	ND	--	--	--
272	0-1	ND	--	--	--
274	0-1	ND	--	--	--
275	0-1	ND	--	--	--

GRID AREA

SYNTEX SAMPLE NUMBER	DEPTH (Feet)	TCDD (ppb)	TCB (ppb)	TCP (ppb)	HEX (ppb)
276	0 -1	ND	ND	ND	ND
276	0 -1	--	ND -D	ND -D	ND -D
281	0 -1	ND	--	--	--
282	0 -1	ND	--	--	--
284	0 -1	ND	--	--	--
285	0 -1	ND	--	--	--
286	0 -1	ND	--	--	--
291	0 -1	ND	--	--	--
292	0 -1	ND	--	--	--
293	0 -1	ND	--	--	--
294	0 -1	ND	--	--	--
295	0 -1	ND	--	--	--
296	0 -1	ND	--	--	--

ND = Not detected
- = Analysis not run
D = Duplicate analysis
T = Triplicate analysis

GRID AREA

EPA SAMPLE NUMBER	DEPTH (feet)	TCDD (ppb)	Di-N-Butylphthalate (ppb)	Bis(2-Ethylhexyl)Phthalate (ppb)	Di-N-Octyl Phthalate (ppb)
AK651001	0-1	0.10	150.00 M	ND	ND
AK651001	0-1	0.10 D	ND-D	ND-D	ND-D
AK651002	0-1	0.10	ND	180.00 M	87.00 M
AK651003	0-1	0.14	ND	ND	ND
AK651004	0-1	0.10	ND	ND	180.00 M
AK651005	0-1	0.10	ND	ND	ND

ND = Not detected
D = Duplicate analysis
M = The value indicated is below the quantitation limit but above time detection limit

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

TITLE: Spill Area Sample Results
Syntex Compliance Monitoring
Verona, MO

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

ecology and environment, inc.
SHAWNEE MISSION, KANSAS

Date: ____ Drawn by: ____ Date: ____

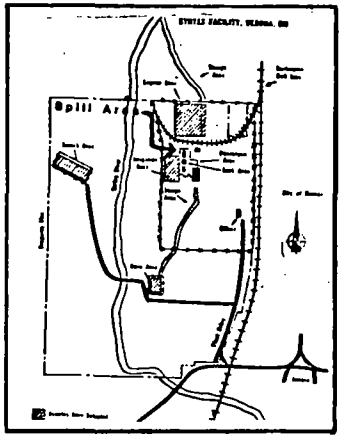
N

Scale
0 10 20FT

LEGEND

O Sample location
[:] Syntex composite sample
ND contaminate not detected
D duplicate analysis

Note: All samples collected at a depth of 0-0.5 FT
All concentrations in ppb
No EPA split samples collected



TCDD 5.90 TCDD 3.60D	TCDD 1.20	TCDD 0.41	TCDD 0.83	TCDD 0.37	TCDD ND	TCDD 0.82	TCDD 4.90
3889	3907	3925	3943	3961	3979	3997	4015
195.2006 O	205.3001 O	205.3002 O	205.3003 O	205.3004 O	205.3005 O	205.3006 O	205 2001 O
195.2007 O	205.3007 O	205.3008 O	205.3009 O	205.3010 O	205 3011 O	205 3012 O	205 2002 O
194.1001 O	204.4001 O	204.4002 O	204.4003 O	204.4004 O	204.4005 O	204.4006 O	204.1001 O
194.1002 O	204.4007 O	204.4008 O	204.4009 O	204.4010 O	204.4011 O	204.4012 O	204.1002 O

SPILL AREA

SYNTEX SAMPLE NUMBER	DEPTH (feet)	TCDD (ppb)
3889.0000	0-0.5	5.90
3889.0000	0-0.5	3.60 D
3907.0000	0-0.5	1.20
3925.0000	0-0.5	0.41
3943.0000	0-0.5	0.83
3961.0000	0-0.5	0.37
3979.0000	0-0.5	ND
3997.0000	0-0.5	0.82
4015.0000	0-0.5	4.90

ND = Not detected
D = Duplicate Analysis

FIELD INVESTIGATIONS OF UNCONTROLLED HAZARDOUS WASTE SITES

TASK REPORT TO THE E.P.A.

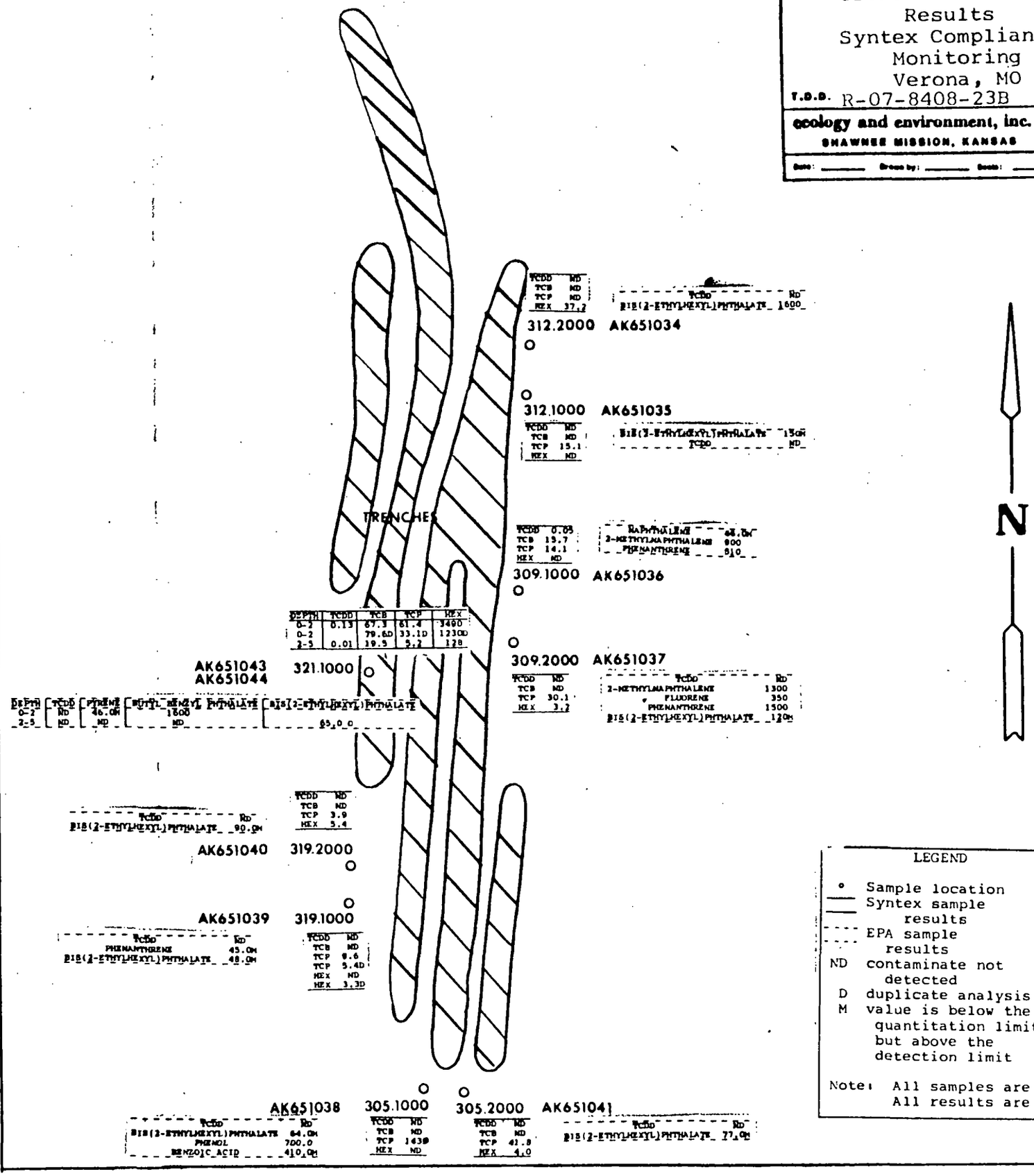
TITLE: Trench Area Sample Results Syntex Compliance Monitoring Verona, MO

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

ecology and environment, inc.

SHAWNEE MISSION, KANSAS

Date: _____ Drawn by: _____ Scale: _____



LEGEND

- ∘ Sample location
- ___ Syntex sample results
- - - - EPA sample results
- ND contaminate not detected
- D duplicate analysis
- M value is below the quantitation limit but above the detection limit

Note: All samples are composited
All results are in ppb

TRENCH AREA

SYNTEX SAMPLE NUMBER	DEPTH (feet)	TCDD (ppb)	TCB (ppb)	TCP (ppb)	HEX (ppb)
305.1000	29.5 - 39.5	ND	ND	1430.0	ND
305.2000	19 - 35	ND	ND	41.8	4.0
309.1000	23.5 - 29.5	0.05	15.7	14.1	ND
309.2000	23.5 - 29.5	ND	ND	30.1	3.2
312.1000	15 - 21	ND	ND	15.1	ND
312.2000	15 - 21	ND	ND	ND	37.2
319.1000	23.5 - 29.5	ND	ND	9.6	ND
319.1000	23.5 - 29.5	--	ND-D	5.4 D	3.3 D
319.2000	23.5 - 29.5	ND	ND	3.9	5.4
321.1000	0-2	0.13	67.3	61.4	3490.0
321.1000	0-2	---	79.6 D	33.1 D	1230.0 D
321.2000	2-5	0.01	19.5	5.2	128.0

ND = Not detected
D = Duplicate Analysis
--- = Analysis not run

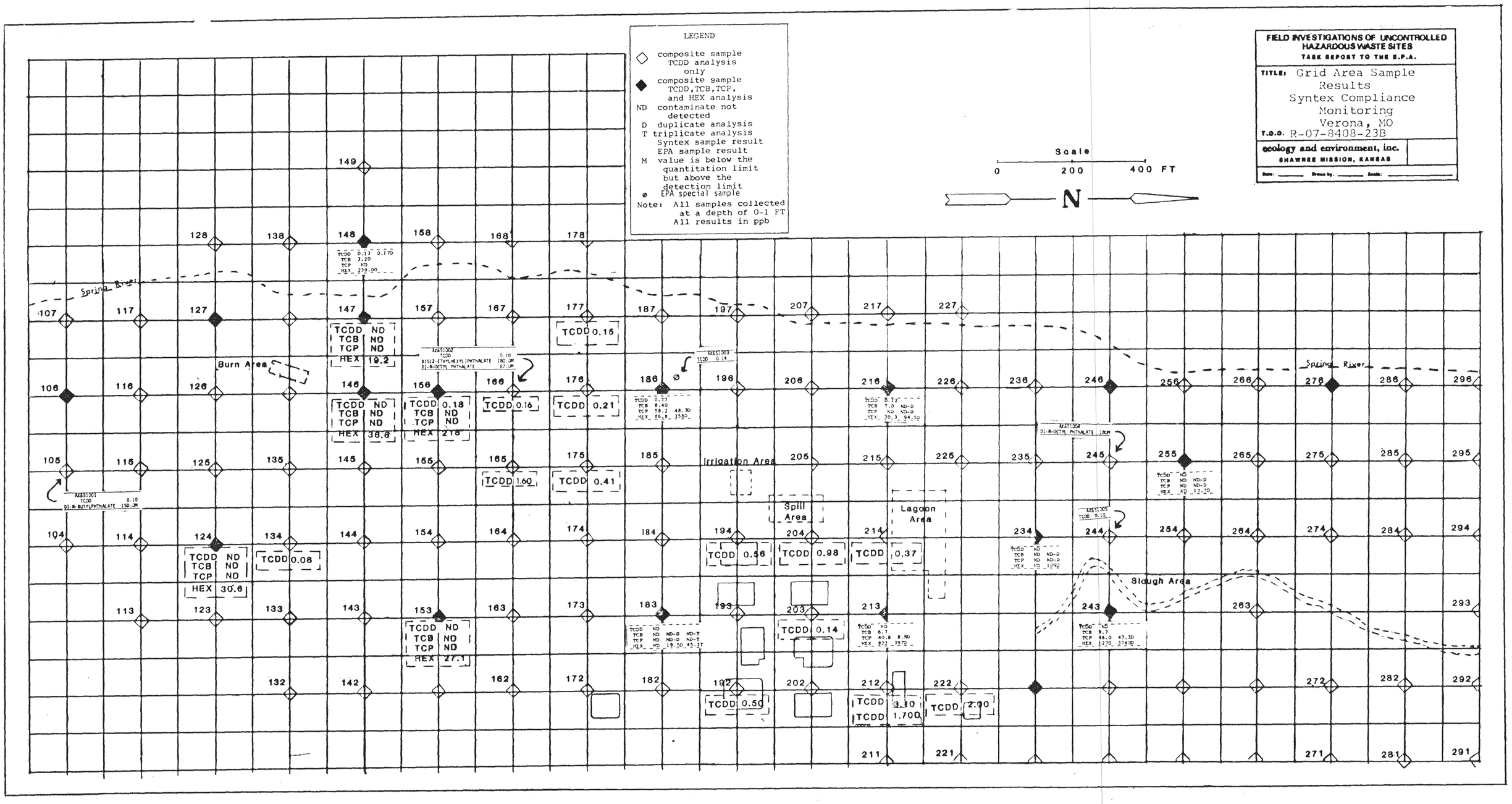
TRENCH AREA

EPA SAMPLE NUMBER	DEPTH (feet)	TCDD (ppb)	Bis(2-Ethylhexyl)phthalate (ppb)	Naphthalene (ppb)	2-Methylnaphthalene (ppb)	Phenanthrene (ppb)	Fluorene (ppb)
AK651034	15-21	ND	1600.00	ND	ND	ND	ND
AK651035	15-21	ND	150.00 M	ND	ND	ND	ND
AK651036	23.5-29.5	ND	ND	66.00 M	900	510	ND
AK651037	23.5-29.5	ND	120.00 M	ND	1300	1500	350
AK651038	29.5-39.5	ND	64.00 M	ND	ND	ND	ND
AK651039	23.5-29.5	ND	48.00	ND	ND	45.00 M	ND
AK651040	23.5-29.5	ND	90.00	ND	ND	ND	ND
AK651041	19-35	ND	77.00 M	ND	ND	ND	ND
AK651043	0-2	ND	ND	ND	ND	ND	ND
AK651044	2-5	ND	ND	ND	ND	ND	ND

TRENCH AREA (Con't)

EPA SAMPLE NUMBER	Phenol (ppb)	Benzoic Acid (ppb)	Buthyl Benzyl Phthalate (ppb)	Pyrene (ppb)
AK651034	ND	ND	ND	ND
AK651035	ND	ND	ND	ND
AK651036	ND	ND	ND	ND
AK651037	ND	ND	ND	ND
AK651038	700.00	410.00 M	ND	ND
AK651039	ND	ND	ND	ND
AK651040	ND	ND	ND	ND
AK651041	ND	ND	ND	ND
AK651043	ND	ND	1600	46.00 M
AK651044	ND	ND	ND	ND

D = Not detected
M = Value is below the quantitation limit but above the detection limit


LEGEND
composite sample TCDD analysis only
composite sample TCDD,TCB,TCP, and HEX analysis
ND contaminate not detected
D duplicate analysis
T triplicate analysis
Syntex sample result
EPA sample result
M value is below the quantitation limit but above the detection limit
EPA special sample
Note: All samples collected at a depth of 0-1 FT
All results in ppb
Scale
0 200 400 FT
N
FIELD INVESTIGATIONS OF UNCONTROLLED HAZARDOUS WASTE SITES
TASK REPORT TO THE E.P.A.
TITLE: Grid Area Sample Results Syntex Compliance Monitoring Verona, MO
T.D.O. R-07-8408-23B
ecology and environment, inc.
SHAWNEE MISSION, KANSAS
Spring River
Burn Area
Irrigation Area
Spill Area
Lagoon Area
Slough Area
TCDD 0.13 0.37D
TCB 3.20
TCP ND
HEX 239.00
TCDD ND
TCB ND
TCP ND
HEX 19.2
TCDD 0.15
TCDD ND
TCB ND
TCP ND
HEX 38.6
TCDD 0.18
TCB ND
TCP ND
HEX 218
TCDD 0.16
TCDD 0.21
TCDD 0.77
TCB 8.40
TCP 58.2 48.3D
HEX 86.8 358D
TCDD 0.12
TCB 7.0 ND-D
TCP ND ND-D
HEX 30.3 94.5D
TCDD 1.60
TCDD 0.41
TCDD 0.56
TCDD 0.98
TCDD 0.37
TCDD ND
TCB ND
TCP ND
HEX 30.6
TCDD 0.08
TCDD ND
TCB ND
TCP ND
HEX 27.1
TCDD 0.14
TCDD 0.50
TCDD 3.10
TCDD 1.70D
TCDD 2.00

GRID AREA

SYNTEX SAMPLE NUMBER	DEPTH (Feet)	TCDD (ppb)	TCB (ppb)	TCP (ppb)	HEX (ppb)
104	0-1	ND	--	--	--
105	0-1	ND	--	--	--
106	0-1	ND	ND	ND	ND
107	0-1	ND	--	--	--
113	0-1	ND	--	--	--
114	0-4	ND	--	--	--
115	0-1	ND	--	--	--
116	0-1	ND	--	--	--
117	0-1	ND	--	--	--
123	0-1	ND	--	--	--
124	0-1	ND	ND	ND	30.6
125	0-1	ND	--	--	--
126	0-1	ND	--	--	--
127	0-1	ND	--	--	--
128	0-1	ND	--	--	--
132	0-1	ND	--	--	--
133	0-1	ND	--	--	--
134	0-1	0.08	--	--	--
135	0-1	ND	--	--	--
138	0-1	ND	--	--	--
142	0-1	ND	--	--	--
143	0-1	ND	--	--	--
144	0-1	ND	--	--	--
145	0-1	ND	--	--	--
146	0-1	ND	ND	ND	36.6
147	0-1	ND	ND	ND	19.2
148	0-1	0.13	3.2	ND	239
149	0-1	ND	--	--	--
152	0-1	ND	--	--	--
153	0-1	ND	ND	ND	27.1
154	0-1	ND	--	--	--
155	0-1	ND	--	--	--
156	0-1	0.18	ND	ND	218
157	0-1	ND	--	--	--
158	0-1	MD	--	--	--
162	0-1	ND	--	--	--
163	0-1	ND	--	--	--
164	0-1	ND	--	--	--
165	0-1	1.60	--	--	--
166	0-1	0.16	--	--	--
167	0-1	ND	--	--	--
168	0-1	ND	--	--	--
172	0-1	ND-D	--	--	--
173	0-1	ND	--	--	--
174	0-1	ND	--	--	--
175	0-1	0.41	--	--	--
176	0-1	0.21	--	--	--
177	0-1	0.15	--	--	--
178	0-1	ND	--	--	--
182	0-1	ND	ND	ND	ND
183	0-1	--	ND-D	ND-D	19.5-D

GRID AREA

SYNTEX SAMPLE NUMBER	DEPTH (Feet)	TCDD (ppb)	TCB (ppb)	TCP (ppb)	HEX (ppb)
183	0-1	--	ND-T	ND-T	45.3-T
184	0-1	ND	--	--	--
185	0-1	ND	--	--	--
186	0-1	0.77	8.4	58.2	86.8
187	0-1	ND	--	--	--
192	0-1	0.50	--	--	--
193	0-1	ND	--	--	--
194	0-1	0.56	--	--	--
196	0-1	ND	--	--	--
197	0-1	ND	--	--	--
202	0-1	ND	--	--	--
203	0-1	0.14	--	--	--
204	0-1	0.98	--	--	--
205	0-1	ND	--	--	--
206	0-1	ND	--	--	--
207	0-1	ND	--	--	--
211	0-1	ND	--	--	--
212	0-1	3.10	--	--	--
212	0-1	1.70-D	--	--	--
213	0-1	ND	6.7	40.8	822
213	0-1	--	0	8.8-D	397-D
214	0-1	0.37	--	--	--
215	0-1	ND	--	--	--
216	0-1	0.12	7.0	ND	30.3
216	0-1	--	ND-D	ND-D	94.5-D
217	0-1	ND	--	--	--
221	0-1	ND	--	--	--
222	0-1	2.00	--	--	--
225	0-1	MD	--	--	--
226	0-1	ND	--	--	--
227	0-1	ND	--	--	--
234	0-1	--	ND-D	ND-D	109-D
235	0-1	ND	--	--	--
236	0-1	ND	--	--	--
243	0-1	--	0	47.3-D	3740-D
244	0-1	ND	--	--	--
245	0-1	ND	--	--	--
246	0-1	--	0	ND-D	ND-D
254	0-1	ND	--	--	--
255	0-1	ND	--	--	--
255	0-1	ND	ND	ND	ND
256	0-1	ND	--	--	--
263	0-1	ND	--	--	--
264	0-1	ND	--	--	--
265	0-1	ND	--	--	--
266	0-1	ND	--	--	--
271	0-1	ND	--	--	--
272	0-1	ND	--	--	--
274	0-1	ND	--	--	--
275	0-1	ND	--	--	--

GRID AREA

SYNTEX SAMPLE NUMBER	DEPTH (Feet)	TCDD (ppb)	TCB (ppb)	TCP (ppb)	HEX (ppb)
276	0-1	ND	ND	ND	ND
276	0-1	--	ND-D	ND-D	ND-D
281	0-1	ND	--	--	--
282	0-1	ND	--	--	--
284	0-1	ND	--	--	--
285	0-1	ND	--	--	--
286	0-1	ND	--	--	--
291	0-1	ND	--	--	--
292	0-1	ND	--	--	--
293	0-1	ND	--	--	--
294	0-1	ND	--	--	--
295	0-1	ND	--	--	--
296	0-1	ND	--	--	--

ND = Not detected
- = Analysis not run
D = Duplicate analysis
T = Triplicate analysis

GRID AREA

EPA SAMPLE NUMBER	DEPTH (feet)	TCDD (ppb)	Di-N-Butylphthalate (ppb)	Bis(2-Ethylhexyl)Phthalate (ppb)	Di-N-Octyl Phthalate (ppb)
AK651001	0-1	0.10	150.00 M	ND	ND
AK651001	0-1	0.10 D	ND-D	ND-D	ND-D
AK651002	0-1	0.10	ND	180.00 M	87.00 M
AK651003	0-1	0.14	ND	ND	ND
AK651004	0-1	0.10	ND	ND	180.00 M
AK651005	0-1	0.10	ND	ND	ND

ND = Not detected
D = Duplicate analysis
M = The value indicated is below the quantitation limit but above time detection limit

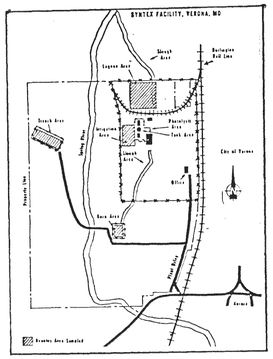
FIELD INVESTIGATIONS OF UNCONTROLLED HAZARDOUS WASTE SITES
TASK REPORT TO THE E.P.A.

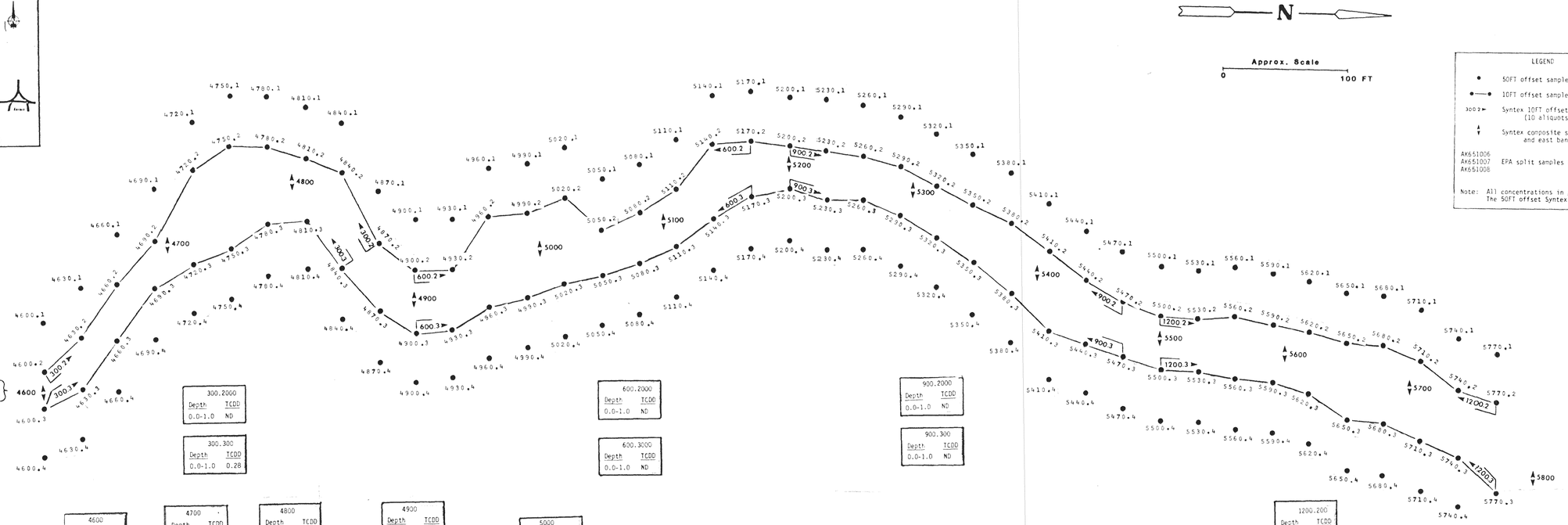
TITLE: Slough Area Sample Results
Syntex Compliance Monitoring
Verona, MO

T.O.O. R-07-8408-23B

ecology and environment, inc.
SHAWNEE MISSION, KANSAS

Date _____ Drawn by _____ Scale _____





LEGEND

- ● 50FT offset sample locations
- ●—● 10FT offset sample locations
- 300.2 Syntex 10FT offset composite samples (10 aliquots)
- Syntex composite samples from the west bank, center and east bank
- AK651006, AK651007, AK651008 EPA split samples from the west bank, center and east bank

Note: All concentrations in ppb
The 50FT offset Syntex samples were not analyzed

300.2000	
Depth	TCDD
0.0-1.0	ND

300.300	
Depth	TCDD
0.0-1.0	0.28

600.2000	
Depth	TCDD
0.0-1.0	ND

600.3000	
Depth	TCDD
0.0-1.0	ND

900.2000	
Depth	TCDD
0.0-1.0	ND

900.300	
Depth	TCDD
0.0-1.0	ND

4600	
Depth	TCDD
0.0-0.75	3.80
0.75-1.50	2.20

4700	
Depth	TCDD
0.0-0.75	1.20
0.75-1.50	ND

4800	
Depth	TCDD
0.0-0.75	3.10
0.75-1.50	ND

4900	
Depth	TCDD
0.0-0.75	0.72
0.75-1.50	ND

5000	
Depth	TCDD
0.0-0.75	0.72
0.75-1.50	ND

5100	
Depth	TCDD
0.0-0.75	ND
0.75-1.50	ND

5200	
Depth	TCDD
0.0-0.75	0.14
0.75-1.50	ND

5300	
Depth	TCDD
0.0-0.75	5.30
0.0-0.75	2.000
0.75-1.50	0.16

5400	
Depth	TCDD
0.0-0.75	ND
0.75-1.50	ND

5500	
Depth	TCDD
0.0-0.75	2.90
0.75-1.50	ND

1200.200	
Depth	TCDD
0.0-1.0	0.27

1200.3000	
Depth	TCDD
0.0-1.0	ND

5600	
Depth	TCDD
0.0-0.75	0.25
0.75-1.50	ND

5700	
Depth	TCDD
0.0-0.75	ND
0.75-1.50	ND

5800	
Depth	TCDD
0.0-0.75	0.45
0.75-1.50	ND

AK651006

DEPTH	TCDD	2,4,5-TRICHLOROPHENOL	BIS(2-ETHYLHEXYL)PHTHALATE	AROCLOR-1248
0.0-0.75	6.50	6600.00M	770.00M	2700.00J
0.0-0.75	6.80D	--------	-------	--------

AK651007

DEPTH	TCDD	AROCLOR-1248
0.0-0.75	10.20	1100.00J

AK651008

DEPTH	TCDD	FLUORANTHENE	PYRENE	BIS(2-ETHYLHEXYL)PHTHALATE	DI-N-OCTYL PHTHALATE	AROCLOR-1248
0.0-0.75	0.31	99.00M	70.00M	86.00M	130.00M	120.00J

SLOUGH AREA

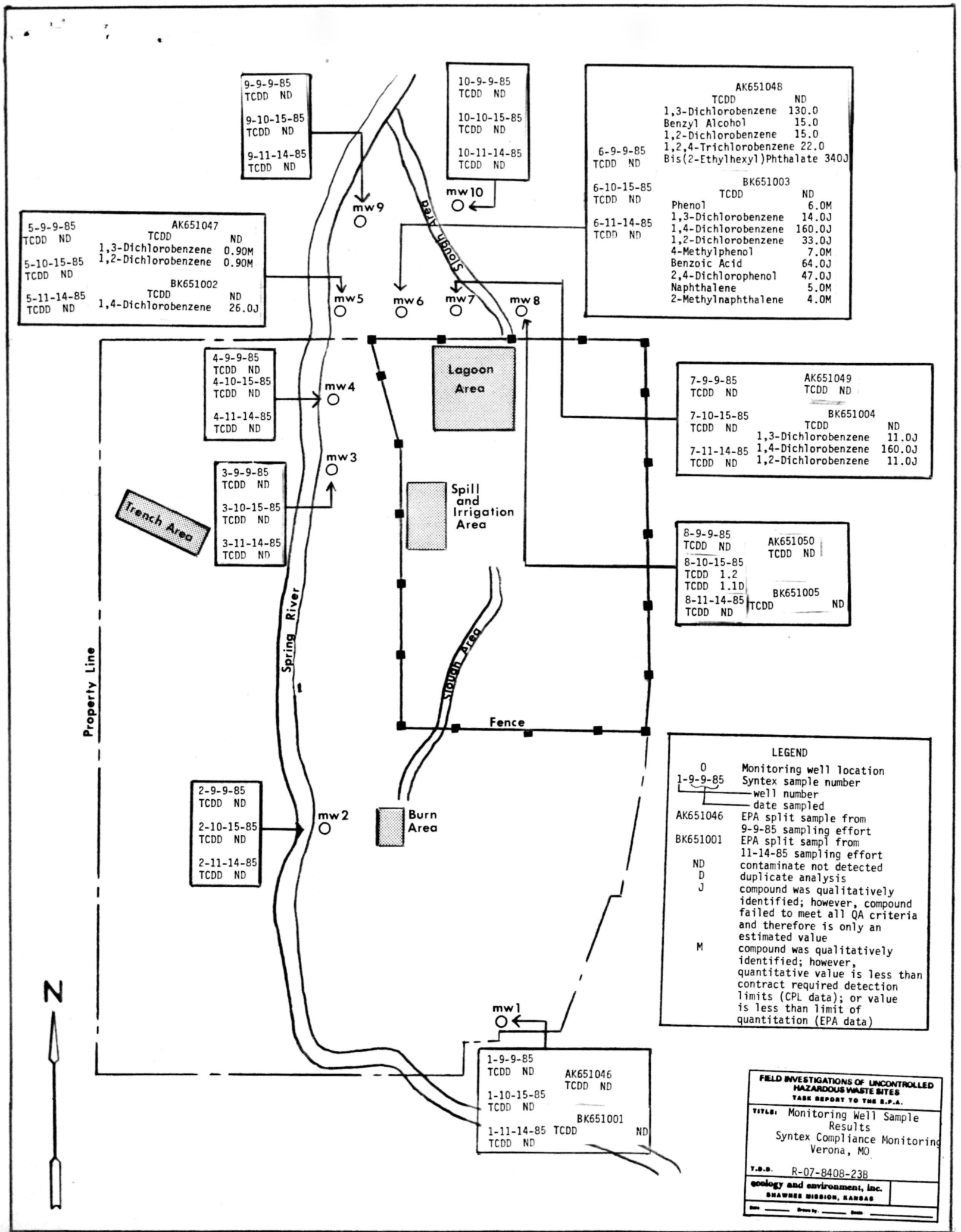
SYNTEX SAMPLE NUMBER	DEPTH (feet)	TCDD (ppb)
300.2000	0-1.0	ND
300.3000	0-1.0	0.28
600.2000	0-1.0	ND
600.3000	0-1.0	ND
900.2000	0-1.0	ND
900.3000	0-1.0	ND
1200.2000	0-1.0	0.27
1200.3000	0-1.0	ND
4600.0000	0-0.75	3.80
4600.0000	0.75-1.50	2.20
4700.0000	0-0.75	1.20
4700.0000	0.75-1.50	ND
4800.0000	0-0.75	3.10
4800.0000	0.75-1.50	ND
4900.0000	0-0.75	0.72
4900.0000	0.75-1.50	ND
5000.0000	0-0.75	0.72
5000.0000	0.75-1.50	ND
5100.0000	0-0.75	ND
5100.0000	0.75-1.50	ND
5200.0000	0-0.75	0.14
5200.0000	0.75-1.50	ND
5300.0000	0-0.75	5.30
5300.0000	0-0.75	2.00 D
5300.0000	0.75-1.50	0.16
5400.0000	0-0.75	ND
5400.0000	0.75-1.50	ND
5500.0000	0-0.75	2.90
5500.0000	0.75-1.50	ND
5600.0000	0-0.75	0.25
5600.0000	0.75-1.50	ND
5700.0000	0-0.75	ND
5700.0000	0.75-1.50	ND
5800.0000	0-0.75	0.45
5800.0000	0.75-1.50	ND

ND = Not detected
D = Duplicate

SLOUGH AREA

EPA SAMPLE NUMBER	DEPTH (feet)	TCDD (ppb)	2,4,5-trichlorophenol (ppb)	Flouranthene (ppb)	Pyrene	Bis(2-Ethylhexyl)Phthalate	Di-N-Octyl Phthalate	Aroclor 1248
AK651006	0-0.75	6.50	6600.00 M	ND	ND	770.00 M	ND	2700.00J
AK651006	0-0.75	6.80D	ND	ND	ND	ND	ND	ND
AK651007	0-0.75	10.20	ND	ND	ND	ND	ND	1100.00J
AK651008	0-0.75	0.31	ND	99.00 M	70.00 M	86.00 M	130.00 M	120.00J

ND = Not detected
D = Duplicate analysis
M = The value indicated is below the quantitation limit but above the detection limit
J = The associates value is an estimated quantity because quality control criteria were not met


9-9-9-85
TCDD ND
9-10-15-85
TCDD ND
9-11-14-85
TCDD ND
10-9-9-85
TCDD ND
10-10-15-85
TCDD ND
10-11-14-85
TCDD ND
AK651048
TCDD ND
1,3-Dichlorobenzene 130.0
Benzyl Alcohol 15.0
1,2-Dichlorobenzene 15.0
1,2,4-Trichlorobenzene 22.0
Bis(2-Ethylhexyl)Phthalate 340J
6-9-9-85
TCDD ND
6-10-15-85
TCDD ND
6-11-14-85
TCDD ND
BK651003
TCDD ND
Phenol 6.0M
1,3-Dichlorobenzene 14.0J
1,4-Dichlorobenzene 160.0J
1,2-Dichlorobenzene 33.0J
4-Methylphenol 7.0M
Benzoic Acid 64.0J
2,4-Dichlorophenol 47.0J
Naphthalene 5.0M
2-Methylnaphthalene 4.0M
5-9-9-85
TCDD ND
5-10-15-85
TCDD ND
5-11-14-85
TCDD ND
AK651047
TCDD ND
1,3-Dichlorobenzene 0.90M
1,2-Dichlorobenzene 0.90M
BK651002
TCDD ND
1,4-Dichlorobenzene 26.0J
mw10
mw9
Slough Area
mw5
mw6
mw7
mw8
Lagoon Area
4-9-9-85
TCDD ND
4-10-15-85
TCDD ND
4-11-14-85
TCDD ND
mw4
7-9-9-85
TCDD ND
AK651049
TCDD ND
7-10-15-85
TCDD ND
BK651004
TCDD ND
1,3-Dichlorobenzene 11.0J
1,4-Dichlorobenzene 160.0J
1,2-Dichlorobenzene 11.0J
7-11-14-85
TCDD ND
mw3
3-9-9-85
TCDD ND
3-10-15-85
TCDD ND
3-11-14-85
TCDD ND
Trench Area
Spill and Irrigation Area
8-9-9-85
TCDD ND
AK651050
TCDD ND
8-10-15-85
TCDD 1.2
TCDD 1.1D
8-11-14-85
TCDD ND
BK651005
TCDD ND
Spring River
Slough Area
Property Line
Fence
LEGEND
O Monitoring well location
1-9-9-85 Syntex sample number
well number
date sampled
AK651046 EPA split sample from 9-9-85 sampling effort
BK651001 EPA split sampl from 11-14-85 sampling effort
ND contaminate not detected
D duplicate analysis
J compound was qualitatively identified; however, compound failed to meet all QA criteria and therefore is only an estimated value
M compound was qualitatively identified; however, quantitative value is less than contract required detection limits (CPL data); or value is less than limit of quantitation (EPA data)
2-9-9-85
TCDD ND
2-10-15-85
TCDD ND
2-11-14-85
TCDD ND
mw2
Burn Area
N
mw1
1-9-9-85
TCDD ND
AK651046
TCDD ND
1-10-15-85
TCDD ND
BK651001
TCDD ND
1-11-14-85
TCDD ND
FIELD INVESTIGATIONS OF UNCONTROLLED HAZARDOUS WASTE SITES
TASK REPORT TO THE E.P.A.
TITLE: Monitoring Well Sample Results
Syntex Compliance Monitoring
Verona, MO
T.D.D. R-07-8408-23B
ecology and environment, inc.
SHAWNEE MISSION, KANSAS

MONITORING WELLS

SYNTEX SAMPLE NUMBER	MONITORING WELL NUMBER	TCDD (ppb)
01-09-09-85	MW1	ND
01-10-15-85	MW1	ND
01-11-14-85	MW1	ND
02-09-09-85	MW2	ND
02-09-09-85	MW2	ND-D
02-10-15-85	MW2	ND
02-11-14-86	MW2	ND
03-09-09-85	MW3	ND
03-10-15-85	MW3	ND
03-11-14-85	MW3	ND
04-09-09-85	MW4	ND
04-10-15-85	MW4	ND
04-11-14-85	MW4	ND
05-09-09-85	MW5	ND
05-10-15-85	MW5	ND
05-10-15-85	NW5	ND-D
05-11-14-85	MW5	ND
06-09-09-85	MW6	ND
06-10-15-85	MW6	ND
06-11-14-85	MW6	ND
07-09-09-85	MW7	ND
07-10-15-85	MW7	ND
07-11-14-85	MW7	ND
08-09-09-85	MW8	ND
08-10-15-85	MW8	1.2
08-10-15-85	MW8	1.10
08-10-29-85	MW8	ND
08-11-14-85	MW8	ND
08-11-14-85	MW8	ND-D
09-09-10-85	MW9	ND
09-10-15-85	MW9	ND
09-11-14-85	MW9	ND
10-09-10-85	MW10	ND
10-10-15-85	MW10	ND
10-11-14-85	MW10	ND

ND = Not detected
D = Duplicate Analysis

MONITORING WELLS

EPA SAMPLE NUMBER	TCDD (ppb)	1,3-Dichlorobenzene (ppb)	Benzyl Alcohol (ppb)	1,2-Dichlorobenzene (ppb	1,2,4-Trichlorobenzene (ppb)	Bis(2-Ethylhexyl)Phthalate (ppb)
AK651046	ND	ND	ND	ND	ND	ND
AK651047	ND	0.90 M	ND	0.90 M	ND	ND
AK651048	ND	130.00	15.00	15.00	22.00	340.00 J
AK651049	ND	ND	ND	ND	ND	ND
AK651050	ND	ND	ND	ND	ND	ND
AK651001	ND	ND	ND	ND	ND	ND
AK651002	ND	ND	ND	ND	ND	ND
AK651003	ND	14.00 J	ND	33.00 J	ND	ND
AK651004	ND	11.00 J	ND	11.00 J	ND	ND
AK651005	ND	ND	ND	ND	ND	ND
AK651006F	ND	ND	ND	ND	ND	110

MONITORING WELLS (Con't)

EPA SAMPLE NUMBER	PHENOL (ppb)	1,4-Dichlorobenzene (ppb)	4-Methylphenol (ppb)	Benzoic Acid (ppb)	2,4-Dichlorophenol (ppb)	Naphthalene (ppb)	2-Methylnphthalene (ppb)
AK651046	ND	ND	ND	ND	ND	ND	ND
AK651047	ND	ND	ND	ND	ND	ND	ND
AK651048	ND	ND	ND	ND	ND	ND	ND
AK651049	ND	ND	ND	ND	ND	ND	ND
AK651050	ND	ND	ND	ND	ND	ND	ND
AK651001	ND	ND	ND	ND	ND	ND	ND
AK651002	ND	26.00 J	ND	ND	ND	ND	ND
AK651003	6.00 M	160.00 J	7.00 M	64.00 J	47.00 J	5.00 M	4.00 M
AK651004	ND	160.00 J	ND	ND	ND	ND	ND
AK651005	ND	ND	ND	ND	ND	ND	ND
AK651006F	ND	ND	ND	ND	ND	ND	ND

ND = Not detected
M = Value is below the quantitation limit but above the detection limit
J = The value is an estimated quantity because quality control criteria were not met
F = Field blank

AK651018 & AK651019

Depth (ft)	TCDD	2,4,6-Trichlorobenzene	2,4,5-Trichlorophenol	Chrysene	DCHP
3.0-4.5	0.42	780.00M	13000.00	650UM	ND
4.5-6.0	0.17	ND	5500.00M	ND	440.00

214 1001

214 1002

214 1003

DEPTH	TCDD	TCB	TCP	HEX
0.0-1.5	1.20	--	--	--
1.5-3.0	0.23	--	--	--
3.0-4.5	0.04	42.20	103.00	4730.00
4.5-6.0	ND	62.70	243.00	12600.00

224 4001

224 4002

DEPTH	TCDD	TCB	TCP	HEX
0.0-1.5	0.07	--	--	--
1.5-3.0	ND	--	--	--
3.0-4.5	ND	--	--	--
4.5-6.0	ND	--	--	--

224 4003

214 1004

214 1005

214 1006

224 4004

224 4005

224 4006

DEPTH	TCDD
0.0-1.5	0.18
1.5-3.0	ND

214 1007

DEPTH	TCDD
0.0-1.5	5.30
1.5-3.0	ND

214 1008

DEPTH	TCDD
0.0-1.5	4.70

214 1009

DEPTH	TCDD
0.0-1.5	22.30

224 4007

224 4008

224 4009

DEPTH	TCDD	TCB	TCP	HEX
0.0-1.5	741.00	--	--	--
0.0-1.5	1350.00D	--	--	--
1.5-3.0	30.60	--	--	--
3.0-4.5	6.60	--	--	--
3.0-4.5	7.10D	--	--	--
4.5-6.0	2.10	--	--	--

DEPTH	TCDD	TCB	TCP	HEX
0.0-1.5	78.30	--	--	--
0.0-1.5	34.00D	--	--	--
1.5-3.0	1.50	--	--	--
3.0-4.5	1.90	177.00	1540.00	31000.00
4.5-6.0	0.28	29.50	270.00	12500.00

DEPTH	TCDD	TCB	TCP	HEX
0.0-1.5	3.30	--	--	--
1.5-3.0	0.01	--	--	--
3.0-4.5	ND	27.70	91.00	4670.00
4.5-6.0	ND	14.80	69.00	3290.00

214 2001

DEPTH	TCDD
0.0-1.5	1380.00
1.5-3.0	5.30

DEPTH	TCDD
0.0-1.5	1170.00
1.5-3.0	22.80

214 2002

214 2003

DEPTH	TCDD
0.0-1.5	269.00
0.0-1.5	58.90D
0.0-1.5	349.00T
0.0-1.5	918.00Q

224 3001

DEPTH	TCDD
0.0-1.5	0.36

224 3002

224 3003

AK651015

Depth (ft)	TCDD	1,2,4-Trichlorobenzene	2,4,6-Trichlorophenol	2,4,5-Trichlorophenol
0-1.5	678.00	1,200,000.00	1,400,000.00	9,900,000.00
0-1.5	1120.000			

AK651020 & AK651021

Depth (ft)	TCDD
3.0-4.5	ND
3.0-4.5	ND
4.5-6.0	ND

214 2004

DEPTH	TCDD	TCB	TCP	HEX
0.0-1.5	14.20	--	--	--
1.5-3.0	1.10	--	--	--
3.0-4.5	4.20	116.00	265.00	1[illegible]00
4.5-6.0	0.16	30.80	337.00	[illegible].00

214 2005

214 2006

DEPTH	TCDD	TCB	TCP	HEX
0.0-1.5	12.00	---	---	---
1.5-3.0	1.00	---	---	---
3.0-4.5	0.97	51.00	781.00	46200.00
4.5-6.0	0.08	22.50	147.00	2550.00

224 3004

224 3005

DEPTH	TCDD	TCB	TCP	HEX
0.0-1.5	0.86	--	--	--
1.5-3.0	ND	--	--	--
3.0-4.5	ND	--	--	--
4.5-6.	0	--	--	--

224 3006

214 2007

AK651012

DEPTH	TCDD	DCHP
3.0-4.5	0.04	32.00M

214 2008

214 2009

AK651011

DEPTH	TCDD	DCHP
3.0-4.5	ND	30.00M

224 3007

224 3008

224 3009

AK651016 & AK651017

Depth (ft)	TCDD	1,2,4-Trichlorobenzene	2,4,6-Trichlorophenol	2,4,5-Trichlorophenol	AK651018
3.0-4.5	4.00	ND	11,400.00	1,500.00	ND
4.5-6.0	2.30	73.00M	ND		

AK651014 & AK651015

Depth (ft)	TCDD	2,4,6-Trichlorophenol	2,4,5-Trichlorophenol	Chrysene	Fluoranthene	Pentachlorophenol
3.0-4.5	1.80	58.00M	ND	ND	ND	ND
4.5-6.0	ND	ND	ND	26.00	ND	50.00M

224 3010

224 3011

DEPTH	TCDD	TCB	TCP	HEX
0.0-1.5	4.30	--	--	--
1.5-3.0	1.10	--	--	--
3.0-4.5	ND	12.20	21.40	1270.00
3.0-4.5	--	30.70D	13.30D	616.00D
3.0-4.5	--	41.30T	--	--
4.5-6.0	ND	25.70	31.80	3690.00

223 4001

223 4002

AK651024 & AK651025

Depth (ft)	TCDD	Fluoranthene
3.0-4.5	0.42	ND
4.5-6.0	3.10	11.00M

224 1001

DEPTH	TCDD	TCB	TCP	HEX
0.0-1.5	0.20	36.90	725.00	27200.00
1.5-3.0	1.90	465.00	5360.00	117000.00
3.0-4.5	0.26	250.00	2360.00	56500.00
4.5-6.0	ND	91.40	807.00	26100.00

234 4001

DEPTH	TCDD	TCB	TCP	HEX
0.0-1.5	ND	ND	ND	8.40
1.5-3.0	ND	ND	ND	ND
3.0-4.5	ND	ND	ND	17.40
4.5-6.0	ND	0.90	ND	18.70

234 3001

DEPTH	TCDD	TCB	TCP	HEX
0.0-1.5	0.06	8.30	51.60	3090.00
1.5-3.0	ND	3.30	90.50	8070.00
3.0-4.5	ND	2.60	5.50	42.90
4.5-6.0	ND	ND	ND	169.00

AK651032 & AK651033

Depth (ft)	TCDD
3.0-4.5	ND
4.5-6.0	ND

224 2001

DEPTH	TCDD	TCB	TCP	HEX
0.0-1.5	2.40	178.00	3480.00	170000.00
1.5-3.0	0.44	36.10	91.40	6640.00
3.0-4.5	ND	23.80	3.20	320.00
4.5-6.0	0.15	28.00	18.50	4150.00

223 1001

DEPTH	TCDD	TCB	TCP	HEX
0.0-1.5	0.01	6.40	11.80	766.00
1.5-3.0	ND	11.80	10.50	81.90
3.0-4.5	ND	1.20	4.40	189.00
4.5-6.0	ND	ND	3.80	238.00

AK651026 & AK651027 & AK651028 & AK651029

Depth (ft)	TCDD
3.0-4.5	ND
3.0-4.5	ND
3.0-4.5	ND
4.5-6.0	ND

233 4001

DEPTH	TCDD	TCB	TCP	HEX
0.0-1.5	0.16	3.90	3.80	397.00
1.5-3.0	ND	ND	2.30	190.00
3.0-4.5	ND	ND	ND	42.10
4.5-6.0	ND	ND	ND	178.00

AK651030 & AK651031

Depth (ft)	TCDD
3.0-4.5	ND
4.5-6.0	ND

AK651024 & AK651025

Depth (ft)	TCDD
3.0-4.5	ND
4.5-6.0	ND

223 4003

DEPTH	TCDD	TCB	TCP	HEX
0.0-1.5	0.63	54.50	468.00	53200.00
0.0-1.5	--	108.00D	557.00D	81200.00D
0.0-1.5	--	159.00T	--	--
1.5-3.0	3.60	216.00	8.40	534.00
3.0-4.5	ND	8.70	889.00	65900.00
4.5-6.0	ND	ND	5.50	296.00

FIELD INVESTIGATIONS OF UNCONTROLLED HAZARDOUS WASTE SITES

TASK REPORT TO THE E.P.A.

TITLE: Lagoon Area Sample Results
Syntex Compliance Monitoring
Verona, MO

T.O.O. R-07-8408-23B

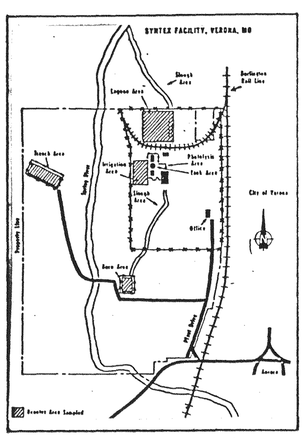
ecology and environment, inc.
SHAWNEE MISSION, KANSAS

Date: _____ Drawn by: _____ Scale: _____

N

Scale

0 15 30 FT



LEGEND

- o Sample location
- Syntex composite sample
- EPA composite sample
- D duplicate analysis
- T triplicate analysis
- Q quadruplicate analysis
- M value is below the quantitation limit but above the detection limit

Note: All results in ppb

LAGOON AREA

SYNTEX SAMPLE NUMBER	DEPTH (feet)	TCDD (ppb)	TCB (ppb)	TCP (ppb)	HEX (ppb)
214.1107	0-1.5	0.18	---	---	---
214.1108	0-1.5	5.30	---	---	---
214.1109	0-1.5	4.70	---	---	---
214.1207	1.5-3.0	ND	---	---	---
214.1208	1.5-3.0	ND	---	---	---
214.2101	0-1.5	1380.0	---	---	---
214.2102	0-1.5	1170.0	---	---	---
214.2103	0-1.5	269.0	---	---	---
214.2103	0-1.5	58.9 D	---	---	---
214.2103	0-1.5	349.0 T	---	---	---
214.2103	0-1.5	918.0 Q	---	---	---
214.2201	1.5-3.0	5.30	---	---	---
214.2202	1.5-3.0	22.80	---	---	---
223.1101	1-1.5	0.01	6.40	11.80	766.00
223.1201	1.5-3.0	ND	11.80	10.50	81.90
223.1301	3.0-4.5	ND	1.20	4.40	189.00
223.1401	4.5-6.0	ND	ND	3.80	238.00
223.4103	0-1.5	0.63	54.50	468.00	53200.00 D
223.4103	0-1.5	---	108.00 D	557.00 D	81200.00 D
223.4103	0-1.5	---	159.00 T	---	---
223.4203	1.5-3.0	3.60	216.00	8.40	534.00
223.4303	3.0-4.5	ND	8.70	889.00	65900.00
223.4403	4.5-6.0	ND	ND	5.50	296.00
224.1101	0-1.5	0.20	36.90	725.00	27200.00
224.1201	1.5-3.0	1.90	465.00	5360.00	117000.00
224.1301	3.0-4.5	0.26	250.00	2360.00	56500.00
224.1401	4.5-6.0	ND	91.40	807.00	26 100.00
224.2101	0-1.5	2.40	178.00	3480.00	170000.00
224.2201	3.0-4.5	0.44	36.10	91.4	6640.00
224.2301	3.0-4.5	ND	23.80	3.20	320.00
224.2401	4.5-6.0	0.15	28.00	18.50	4150.00
224.3101	0-1.5	0.36	---	---	---
224.4107	0-1.5	22.30	---	---	---
233.4101	0-1.5	0.16	3.90	3.80	397.00
233.4201	1.5-3.0	ND	ND	2.30	190.00
233.4301	3.0-4.5	ND	ND	ND	42.10
233.4401	4.5-6.0	ND	ND	ND	178.00
234.3101	0-1.5	0.06	8.30	51.60	3090.00
234.3201	1.5-3.0	ND	3.30	90.50	8070.00
234.3301	3.0-4.5	ND	2.60	5.50	42.90
234.3401	4.5-6.0	ND	ND	ND	169.00
234.4101	1-1.5	ND	ND	ND	8.40
234.4201	1.5-3.0	ND	ND	ND	ND
234.4301	3.0-4.5	ND	ND	ND	17.40
234.4401	4.5-6.0	ND	0.90	ND	18.70
3214.1101	0-1.5	0.18	---	---	---
3214.1103	0-1.5	1.20	---	---	---
3214.1107	0-1.5	74 1.00	---	---	---
3214.1107	0-1.5	1350.00 D	---	---	---
3214.1109	0-1.5	78.30	---	---	---
3214.1109	0-1.5	34.00 D	---	---	---
3214.1201	1.5-3.0	1.10	---	---	---
3214.1203	1.5-3.0	0.23	---	---	---
3214.1207	1.5-3.0	30.60	---	---	---
3214.1209	1.5-3.0	1.50	---	---	---
3214.1301	3.0-4.5	2.00	---	---	---
3214.1303	3.0-4.5	0.04	42.20	103.00	4730.00
3214.1307	3.0-4.5	6.60	---	---	---
3214.1307	3.0-4.5	7.100	---	---	---
3214.1309	3.0-4.5	1.90	177.00	1540.00	31000.00
3214.1401	4.5-6.0	ND	---	---	---
3214.1403	4.5-6.0	ND	62.70	243.00	12600.00
3213.1407	4.5-6.0	2.10	---	---	---

LAGOON AREA

SYNTEX SAMPLE NUMBER	DEPTH (feet)	TCDD (ppb)	TCB (ppb)	TCP (ppb)	HEX (ppb)
3214.1409	4.5-6.0	0.28	29.50	270.00	12500.00
3214.2104	0-1.5	14.20	---	---	---
3214.2106	0-1.5	12.00	---	---	---
3214.2204	1.5-3.0	1.10	---	---	---
3214.2206	1.5-3.0	1.00	---	---	---
3214.2304	3.0-4.5	4.20	116.00	265.00	15100.00
3214.2306	3.0-4.5	0.97	51.00	781.00	46200.00
3214.2404	4.5-6.0	0.16	30.80	337.00	8890.00
3214.2406	4.5-6.0	0.08	22.50	147.00	2550.00
3223.4101	0-1.5	4.30	---	---	---
3223.4201	1.5-3.0	1.10	---	---	---
3223.4301	3.0-4.5	ND	12.20	21.40	1270.00
3223.4301	3.0-4.5	---	30.70 D	13.30 D	616.00 D
3223,4301	3.0-4.5	---	41.30 T	---	---
3223.4401	4.5-6.0	ND	25.70	31.80	3690.00
3224.3102	0-1.5	3.30	---	---	---
3224.3105	0-1.5	0.86	---	---	---
3224.3202	1.5-3.0	0.01	---	---	---
3224.3205	1.5-3.0	ND	---	---	---
3224.3302	3.0-4.5	ND	27.70	91.00	4670.00
3224.3305	3.0-4.5	ND	---	---	---
3224.3402	4.5-6.0	ND	14.80	69.00	3290.00
3224.3405	4.5-6.0	ND	---	---	---
3224.4102	0-1.5	0.07	---	---	---
3224.4202	1.5-3.0	ND	---	---	---
3224.4302	3.0-4.5	ND	---	---	---
3224.4402	4.5-6.0	ND	---	---	---

ND = Not detected
D = Duplicate analysis
T = Triplicate analysis
Q = Quadruplicate analysis
--- = Analysis not performed

LAGOON AREA

EPA SAMPLE NUMBER	DEPTH (feet)	TCDD (ppb)	1,2,4 Trichlorobenzene (ppb)	2,4,6-Trichlorophenol (ppb)	2,4,5-Trichlorophenol (ppb)	Isophorone (ppb)	Bis(2-Ethylhexyl)phthalate (ppb)
AK651011	3.0-4.5	ND	ND	ND	ND	ND	30.0 M
AK651011	3.0-4.5	ND-D	---	---	---	---	---
AK651012	3.0-4.5	0.40	ND	ND	ND	ND	32.0 M
AK651013	3.0-4.5	1.80	ND	ND	ND	ND	68.0 M
AK651014	4.5-4.6	ND	ND	ND	ND	ND	ND
AK651015	0-1.5	979.00	ND	ND	ND	ND	ND
AK651015	0-1.5	1120.00	ND	ND	ND	ND	ND
AK651016	3.0-4.5	4.00	ND	7100.00	31000.00	ND	ND
AK651017	4.5-6.0	2.20	73.0 M	ND	1300.00	ND	ND
AK651018	3.0-4.5	0.42	740.0 M	ND	130000.00	ND	ND
AK651019	4.5-6.0	0.17	ND	ND	530.0 M	ND	440
AK651020	3.0-4.5	ND	ND	ND	ND	ND	ND
AK651020	3.0-4.5	ND-D	---	---	---	---	---
AK651021	4.5-6.0	ND	ND	ND	ND	ND	ND
AK651022	3.0-4.5	0.40	ND	ND	ND	ND	ND
AK651023	4.5-6.0	0.10	ND	ND	ND	ND	ND
AK651024	3.0-4.5	ND	ND	ND	ND	ND	ND
AK651025	4.5-6.0	ND	ND	ND	ND	ND	ND
AK651026	0-1.5	ND	ND	ND	ND	ND	ND
AK651027	1.5-3.0	ND	ND	ND	ND	ND	ND
AK651028	3.0-4.5	ND	ND	ND	ND	ND	ND
AK651029	4.5-6.0	ND	ND	ND	ND	ND	ND
AK651030	3.0-4.5	ND	ND	ND	ND	ND	ND
AK651031	4.5-6.0	ND	ND	ND	ND	ND	ND
AK651032	3.0-4.5	ND	ND	ND	ND	ND	ND
AK651033	4.5-6.0	ND	ND	ND	ND	ND	ND

LAGOON AREA (Con't)

EPA SAMPLE NUMBER	Benzo(B)Fluoranthene	Benzo (K)Fluoranthene	Chrysene	Aroclor-1242	Aroclor - 1232
AK651011	ND	ND	ND	ND	ND
AK651011	---	ND	ND	ND	ND
AK651012	ND	ND	ND	ND	ND
AK651013	ND	ND	ND	ND	ND
AK651014	50.0 M	50.0 M	ND	26.0 J	ND
AK651015	ND	ND	ND	ND	ND
AK651015	ND	ND	ND	ND	ND
AK651016	ND	ND	ND	ND	240. J
AK651017	ND	ND	ND	ND	ND
AK651018	ND	ND	65.0 M	ND	ND
AK651019	ND	ND	ND	ND	ND
AK651020	---	ND	ND	ND	ND
AK651020	ND	ND	ND	ND	ND
AK651021	ND	ND	ND	ND	ND
AK651022	ND	ND	ND	ND	ND
AK651023	ND	ND	ND	ND	ND
AK651024	ND	ND	ND	ND	ND
AK651025	ND	ND	ND	ND	ND
AK651026	ND	ND	ND	ND	ND
AK651027	ND	ND	ND	ND	ND
AK651028	ND	ND	ND	ND	ND
AK651029	ND	ND	ND	ND	ND
AK651030	ND	ND	ND	ND	ND
AK651031	ND	ND	ND	ND	ND
AK651032	ND	ND	ND	ND	ND
AK651033	ND	ND	ND	ND	ND

ND = Not detected
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