

WATER QUALITY DATA

TERBUFOS-CRADA DEGRADATE DEVELOPMENT WATER QUALITY

MISCELLANEOUS STATION ANALYSES

Date	Time	Sample type	Baro- metric pres- sure, mm Hg (00025)	Dis- solved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Temper- ature, water, deg C (00010)	1-Naph- thol, water, fltrd 0.7u GF ug/L (49295)	2,6-Di- ethyl- aniline water fltrd 0.7u GF ug/L (82660)	2Chloro -2',6'- diethyl acet- anilide wat flt ug/L (61618)	CIAT, water, fltrd, ug/L (04040)	2-Ethyl -6- methyl- aniline water, fltrd, ug/L (61620)
05062000 BUFFALO RIVER NEAR DILWORTH, MN (LAT 46 57 40N LONG 096 39 40W)												
JUN 2005												
08...	0815	Environmental	729	7.2	8.1	831	20.2	<.09	<.006	<.005	E.017	<.004
21...	1610	Environmental	744	4.3	7.8	844	25.2	<.09	<.006	<.005	E.034	<.004
28...	0750	Environmental	741	6.1	8.0	777	22.7	<.09	<.006	<.005	E.021	<.004
JUL												
26...	0840	Environmental	744	6.4	8.3	623	20.9	<.09	<.006	<.005	E.014	<.004
AUG												
08...	1340	Environmental	736	6.8	8.2	637	26.6	<.09	<.006	<.005	E.009	<.004
08...	1345	Replicate	736	6.8	8.2	637	26.6	<.09	<.006	<.005	E.008	<.004
19...	0830	Environmental	737	6.8	7.9	476	14.5	<.09	<.006	<.005	E.011	<.004
SEP												
07...	0920	Environmental	747	7.2	8.0	718	20.8	<.09	<.006	<.005	<.008	<.004
19...	1250	Environmental	740	8.2	8.1	793	18.3	<.09	<.006	<.005	E.010	<.004
05086000 SNAKE RIVER AT ALVARADO, MN (LAT 48 11 50N LONG 097 00 20W)												
JUN 2005												
07...	1200	Environmental	736	7.7	8.0	800	16.3	<.09	<.006	<.005	E.015	<.004
21...	0915	Environmental	747	6.3	7.9	625	23.1	<.09	<.006	<.005	E.013	<.004
21...	1530	Blank	--	--	--	--	--	<.09	<.006	<.005	<.006	<.004
28...	1315	Environmental	743	7.7	8.0	757	19.3	<.09	<.006	<.005	E.014	<.004
JUL												
26...	1400	Environmental	747	6.9	8.1	618	20.4	<.09	<.006	<.005	E.008	<.004
AUG												
09...	0830	Environmental	742	5.4	7.9	795	22.1	<.09	<.006	<.005	E.006	<.004
18...	1430	Environmental	736	7.0	7.7	335	17.6	--	--	--	--	--
26...	1200	Environmental	--	--	--	--	--	<.09	<.006	<.005	<.006	<.004
26...	1205	Matrix spike	--	--	--	--	--	<.09	.092	<.005	<.006	<.004
SEP												
06...	1430	Environmental	746	7.5	8.0	759	20.6	<.09	<.006	<.005	<.006	<.004
20...	0900	Environmental	741	6.7	8.0	746	15.4	<.09	<.006	<.005	E.008	<.004

TERBUFOS DEGRADATE DEVELOPMENT WATER QUALITY—Continued

MISCELLANEOUS STATION ANALYSES—CONTINUED

Date	3,4-Di-chloro-aniline water fltrd, ug/L (61625)	4Chloro-2methyl phenol, water, fltrd, ug/L (61633)	Aceto-chlor, water, fltrd, ug/L (49260)	Ala-chlor, water, fltrd, ug/L (46342)	alpha-HCH-d6, surrog, Sch2003 wat flt percent recovry (99995)	Atra-zine, water, fltrd, ug/L (39632)	Azin-phos-methyl oxon, water, fltrd, ug/L (61635)	Azin-phos-methyl, water, fltrd, 0.7u GF (82686)	Ben-flur-alin, water, fltrd, ug/L (82673)	Car-baryl, water, fltrd, ug/L (82680)	Chlor-pyrifos oxon, water, fltrd, ug/L (61636)	Chlor-pyrifos water, fltrd, ug/L (38933)	cis-Per-methrin water fltrd, 0.7u GF (82687)
05062000 BUFFALO RIVER NEAR DILWORTH, MN (LAT 46 57 40N LONG 096 39 40W)													
JUN 2005													
08...	<.004	<.006	.016	<.005	106	.044	<.07	<.050	<.010	<.041	<.06	<.005	<.006
21...	<.004	E.006	.013	<.005	105	.195	<.07	<.050	<.010	<.041	<.06	E.004	<.006
28...	<.004	<.006	.008	<.005	101	.072	<.07	<.050	<.010	<.041	<.06	E.004	<.006
JUL													
26...	<.004	<.006	<.006	<.005	97.3	.029	<.07	<.050	<.010	<.041	<.06	<.005	<.006
AUG													
08...	<.004	<.006	<.006	<.005	84.8	.017	<.07	<.050	<.010	<.041	<.06	<.005	<.006
08...	<.004	<.006	<.006	<.005	82.5	.016	<.07	<.050	<.010	<.041	<.06	<.005	<.006
19...	<.004	<.006	<.006	<.005	105	.027	<.07	<.050	<.010	<.041	<.06	.025	<.006
SEP													
07...	<.004	<.006	<.006	<.005	91.7	.028	<.07	<.050	<.010	<.041	<.06	E.005	<.006
19...	<.004	<.006	<.006	<.005	105	.019	<.07	<.050	<.010	<.041	<.06	<.005	<.006
05086000 SNAKE RIVER AT ALVARADO, MN (LAT 48 11 50N LONG 097 00 20W)													
JUN 2005													
07...	<.004	<.006	.007	<.005	117	.028	<.07	<.050	<.010	<.041	<.06	<.005	<.006
21...	<.004	E.008	<.006	<.005	106	.035	<.07	<.050	<.010	<.041	<.06	<.005	<.006
21...	<.004	<.006	<.006	<.005	105	<.007	<.07	<.050	<.010	<.041	<.06	<.005	<.006
28...	<.004	E.006	<.006	<.005	99.9	.036	<.07	<.050	<.010	<.041	<.06	.008	<.006
JUL													
26...	<.004	<.006	<.006	<.005	96.7	.013	<.07	<.050	<.010	<.041	<.06	<.005	<.006
AUG													
09...	<.004	<.006	<.006	<.005	86.6	.009	<.07	<.050	<.010	<.041	<.06	<.005	<.006
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
26...	<.004	<.006	<.006	<.005	95.7	<.007	<.07	<.050	<.010	<.041	<.06	<.005	<.006
26...	<.004	<.006	.087	.084	104	.081	<.07	<.050	.067	E.104	<.06	.105	<.006
SEP													
06...	<.004	<.006	<.006	<.005	94.8	<.007	<.07	<.050	<.010	<.041	<.06	<.005	<.006
20...	<.004	<.006	<.006	<.005	97.2	.010	<.07	<.050	<.010	<.041	<.06	<.005	<.006

TERBUFOS DEGRADATE DEVELOPMENT WATER QUALITY—Continued

MISCELLANEOUS STATION ANALYSES—CONTINUED

Date	Cyflu- thrin, water, fltrd, ug/L (61585)	Cyper- methrin water, fltrd, ug/L (61586)	DCPA, water fltrd 0.7u GF ug/L (82682)	Desulf- inyl fipro- nil, water, fltrd, ug/L (62170)	Diaz- inon oxon, water, fltrd, ug/L (61638)	Diazi- non, water, fltrd, ug/L (39572)	Diazi- non-d10 surrog, Sch2003 wat flt percent recovry (99994)	Dicro- tophos, water fltrd, ug/L (38454)	Diel- drin, water, fltrd, ug/L (39381)	Dimeth- oate, water, fltrd 0.7u GF ug/L (82662)	Ethion monoxon water, fltrd, ug/L (61644)	Ethion, water, fltrd, ug/L (82346)	Fenami- phos sulfone water, fltrd, ug/L (61645)
05062000 BUFFALO RIVER NEAR DILWORTH, MN (LAT 46 57 40N LONG 096 39 40W)													
JUN 2005													
08...	<.027	<.009	<.003	<.012	<.01	<.005	109	<.08	<.009	<.006	<.0020	<.004	<.049
21...	<.027	<.009	<.003	<.012	--	<.005	114	<.08	<.009	<.006	<.0020	<.004	<.049
28...	<.027	<.009	<.003	<.012	--	<.005	108	<.08	<.009	<.006	<.0020	<.004	<.049
JUL													
26...	<.027	<.009	<.003	<.012	--	<.005	111	<.08	<.009	<.006	<.0020	<.004	<.049
AUG													
08...	<.027	<.009	<.003	<.012	--	<.005	96.3	<.08	<.009	<.006	<.002	<.004	<.049
08...	<.027	<.009	<.003	<.012	--	<.005	88.8	<.08	<.009	<.006	<.002	<.004	<.049
19...	<.027	<.009	E.002	<.012	--	<.005	110	<.08	<.009	<.006	<.002	<.004	<.049
SEP													
07...	<.027	<.009	<.003	<.012	--	<.005	101	--	<.009	<.006	<.002	<.004	<.049
19...	<.027	<.009	<.003	<.012	--	<.005	118	<.08	<.009	<.006	<.002	<.004	<.049
05086000 SNAKE RIVER AT ALVARADO, MN (LAT 48 11 50N LONG 097 00 20W)													
JUN 2005													
07...	<.027	<.009	<.003	<.012	<.01	<.005	116	<.08	<.009	<.006	<.0020	<.004	<.049
21...	<.027	<.009	<.003	<.012	--	<.005	111	<.08	<.009	<.006	<.0020	<.004	<.049
21...	<.027	<.009	<.003	<.012	--	<.005	105	<.08	<.009	<.006	<.0020	<.004	<.049
28...	<.027	<.009	<.003	<.012	--	<.005	109	<.08	<.009	<.006	<.0020	<.004	<.049
JUL													
26...	<.027	<.009	<.003	<.012	--	<.005	107	<.08	<.009	<.006	<.0020	<.004	<.049
AUG													
09...	<.027	<.009	<.003	<.012	--	<.005	98.0	<.08	<.009	<.006	<.002	<.004	<.049
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
26...	<.027	<.009	<.003	<.012	--	<.005	104	<.08	<.009	<.006	<.002	<.004	<.049
26...	<.027	<.009	.106	.066	--	.081	102	<.08	.136	<.006	E.03	.046	<.049
SEP													
06...	<.027	<.009	<.003	<.012	--	<.005	106	--	<.009	<.006	<.002	<.004	<.049
20...	<.027	<.009	<.003	<.012	--	<.005	113	<.08	<.009	<.006	<.002	<.004	<.049

TERBUFOS DEGRADATE DEVELOPMENT WATER QUALITY—Continued

MISCELLANEOUS STATION ANALYSES—CONTINUED

Date	Fenami-phos sulf-oxide, water, fltrd, ug/L (61646)	Fenami-phos, water, fltrd, ug/L (61591)	Desulf-inyl-fipro-nil amide, wat flt ug/L (62169)	Fipro-nil sulfide, water, fltrd, ug/L (62167)	Fipro-nil sulfone, water, fltrd, ug/L (62168)	Fipro-nil, water, fltrd, ug/L (62166)	Fonofos, water, fltrd, ug/L (04095)	Hexa-zinone, water, fltrd, ug/L (04025)	Ipro-dione, water, fltrd, ug/L (61593)	Isofen-phos, water, fltrd, ug/L (61594)	Mala-oxon, water, fltrd, ug/L (61652)	Mala-thion, water, fltrd, ug/L (39532)	Meta-laxyl, water, fltrd, ug/L (61596)
05062000 BUFFALO RIVER NEAR DILWORTH, MN (LAT 46 57 40N LONG 096 39 40W)													
JUN 2005													
08...	<.04	<.03	<.029	<.013	<.024	<.016	<.003	<.013	<.538	<.003	<.030	<.027	<.009
21...	<.04	<.03	<.029	<.013	<.024	<.016	<.003	<.013	<.538	<.003	<.030	<.027	<.005
28...	<.04	<.03	<.029	<.013	<.024	<.016	<.003	<.013	<.538	<.003	<.030	<.027	<.005
JUL													
26...	<.04	<.03	<.029	<.013	<.024	<.016	<.003	<.013	<.538	<.003	<.030	<.027	<.005
AUG													
08...	<.04	<.03	<.029	<.013	<.024	<.016	<.003	<.013	<.538	<.003	<.030	<.027	<.005
08...	<.04	<.03	<.029	<.013	<.024	<.016	<.003	<.013	<.538	<.003	<.030	<.027	<.005
19...	<.04	<.03	<.029	<.013	<.024	<.016	<.003	<.013	<.538	<.003	<.030	<.027	.040
SEP													
07...	<.04	<.03	<.029	<.013	<.024	<.016	<.003	<.013	<.538	<.003	<.030	<.027	<.005
19...	<.04	<.03	<.029	<.013	<.024	<.016	<.003	<.013	<.538	<.003	<.030	<.027	<.005
05086000 SNAKE RIVER AT ALVARADO, MN (LAT 48 11 50N LONG 097 00 20W)													
JUN 2005													
07...	<.04	<.03	<.029	<.013	<.024	<.016	<.003	<.013	<.538	<.003	<.030	<.027	<.005
21...	<.04	<.03	<.029	<.013	<.024	<.016	<.003	<.013	<.538	<.003	<.030	<.027	<.005
21...	<.04	<.03	<.029	<.013	<.024	<.016	<.003	<.013	<.538	<.003	<.030	<.027	<.005
28...	<.04	<.03	<.029	<.013	<.024	<.016	<.003	<.013	<.538	<.003	<.030	<.027	<.005
JUL													
26...	<.04	<.03	<.029	<.013	<.024	<.016	<.003	<.013	<.538	<.003	<.030	<.027	<.005
AUG													
09...	<.04	<.03	<.029	<.013	<.024	<.016	<.003	<.013	<.538	<.003	<.030	<.027	<.005
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
26...	<.04	<.03	<.029	<.013	<.024	<.016	<.003	<.013	<.538	<.003	<.030	E.009	<.005
26...	<.04	<.03	E.043	.053	.056	E.062	.087	<.013	<.538	<.003	<.030	<.027	<.005
SEP													
06...	<.04	<.03	<.029	<.013	<.024	<.016	<.003	<.013	<.538	<.003	<.030	<.027	<.005
20...	<.04	<.03	<.029	<.013	<.024	<.016	<.003	<.013	<.538	<.003	<.030	<.027	<.005

TERBUFOS DEGRADATE DEVELOPMENT WATER QUALITY—Continued

MISCELLANEOUS STATION ANALYSES—CONTINUED

Date	Methi- althion water, fltrd, ug/L (61598)	Methyl para- oxon, water, fltrd, ug/L (61664)	Methyl para- thion, water, fltrd 0.7u GF ug/L (82667)	Metola- chlor, water, fltrd, ug/L (39415)	Metri- buzin, water, fltrd, ug/L (82630)	Myclo- butanil water, fltrd, ug/L (61599)	Pendi- meth- alin, water, fltrd 0.7u GF ug/L (82683)	Phorate oxon, water, fltrd, ug/L (61666)	Phorate water fltrd 0.7u GF ug/L (82664)	Phosmet oxon, water, fltrd, ug/L (61668)	Phosmet water, fltrd, ug/L (61601)	Prome- ton, water, fltrd, ug/L (04037)	Prome- tryn, water, fltrd, ug/L (04036)
05062000 BUFFALO RIVER NEAR DILWORTH, MN (LAT 46 57 40N LONG 096 39 40W)													
JUN 2005													
08...	<.006	<.03	<.015	.023	.011	<.008	<.022	<.10	<.011	<.05	<.008	E.01	<.005
21...	<.006	<.03	<.015	.095	<.006	<.008	<.022	<.10	<.011	--	--	<.01	<.005
28...	<.006	<.03	<.015	.097	<.006	<.008	<.022	<.10	<.011	<.05	<.008	<.01	<.005
JUL													
26...	<.006	<.03	<.015	.035	<.006	<.008	<.022	<.10	<.011	<.05	<.008	<.01	<.005
AUG													
08...	<.006	<.03	<.015	.014	<.006	<.008	<.022	<.10	<.011	<.05	<.008	<.01	<.005
08...	<.006	<.03	<.015	.013	<.006	<.008	<.022	<.10	<.011	<.05	<.008	<.01	<.005
19...	<.006	<.03	<.015	.038	<.006	<.008	<.022	<.10	<.011	<.05	<.008	<.01	<.005
SEP													
07...	<.006	<.03	<.015	.008	<.006	<.008	<.022	<.10	<.011	--	<.008	<.01	<.005
19...	<.006	<.03	<.015	E.006	<.006	<.008	<.022	<.10	<.011	--	--	<.01	<.005
05086000 SNAKE RIVER AT ALVARADO, MN (LAT 48 11 50N LONG 097 00 20W)													
JUN 2005													
07...	<.006	<.03	<.015	.007	<.006	<.008	<.022	<.10	<.011	<.05	<.008	<.01	<.005
21...	<.006	<.03	<.015	<.006	<.006	<.008	<.022	<.10	<.011	--	--	E.01	<.005
21...	<.006	<.03	<.015	<.006	<.006	<.008	<.022	<.10	<.011	--	--	<.01	<.005
28...	<.006	<.03	E.011	E.005	<.006	<.008	<.022	<.10	<.011	<.05	<.008	<.01	<.005
JUL													
26...	<.006	<.03	<.015	<.006	<.006	<.008	<.022	<.10	<.011	<.05	<.008	<.01	<.005
AUG													
09...	<.006	<.03	<.015	<.006	<.006	<.008	<.022	<.10	<.011	<.05	<.008	<.01	<.005
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
26...	<.006	<.03	<.015	<.006	<.006	<.008	<.022	<.10	<.011	<.05	<.008	E.01	<.005
26...	<.006	<.03	.065	.177	<.006	<.008	.101	<.10	.508	<.05	<.008	.08	<.005
SEP													
06...	<.006	<.03	<.015	<.006	<.006	<.008	<.022	<.10	<.011	--	<.008	<.01	<.005
20...	<.006	<.03	<.015	<.006	<.006	<.008	<.022	<.10	<.011	--	--	<.01	<.005

TERBUFOS DEGRADATE DEVELOPMENT WATER QUALITY—Continued

MISCELLANEOUS STATION ANALYSES—CONTINUED

Date	Propy- zamide, water, fltrd 0.7u GF (82676)	Sima- zine, water, fltrd, ug/L (04035)	Tebu- thiuron water fltrd 0.7u GF (82670)	Ter- bufos oxon sulfone water, fltrd, ug/L (61674)	Terbu- fos, water, fltrd 0.7u GF (82675)	Ter- buthyl- azine, water, fltrd, ug/L (04022)	Tri- flur- alin, water, fltrd 0.7u GF (82661)	Di- chlor- vos, water fltrd, ug/L (38775)
05062000 BUFFALO RIVER NEAR DILWORTH, MN (LAT 46 57 40N LONG 096 39 40W)								
JUN 2005								
08...	<.004	<.005	<.02	<.07	<.02	<.01	E.005	<.01
21...	<.004	<.005	<.02	<.07	<.02	<.01	E.005	<.01
28...	<.004	<.005	<.02	<.07	<.02	<.01	<.009	<.01
JUL								
26...	<.004	<.005	<.02	<.07	<.02	<.01	<.009	<.01
AUG								
08...	<.004	<.005	<.02	<.07	<.02	<.01	<.009	<.01
08...	<.004	<.005	<.02	<.07	<.02	<.01	<.009	<.01
19...	<.004	<.005	<.02	<.07	<.02	<.01	E.004	<.01
SEP								
07...	<.004	<.005	<.02	<.07	<.02	<.01	<.009	<.01
19...	<.004	<.005	<.02	<.07	<.02	<.01	<.009	<.01
05086000 SNAKE RIVER AT ALVARADO, MN (LAT 48 11 50N LONG 097 00 20W)								
JUN 2005								
07...	<.004	<.005	<.02	<.07	<.02	<.01	E.006	<.01
21...	<.004	<.005	<.02	<.07	<.02	<.01	E.006	<.01
21...	<.004	<.005	<.02	<.07	<.02	<.01	<.009	<.01
28...	<.004	<.005	<.02	<.07	<.02	<.01	<.009	<.01
JUL								
26...	<.004	<.005	<.02	<.07	<.02	<.01	<.009	<.01
AUG								
09...	<.004	<.005	<.02	<.07	<.02	<.01	<.009	<.01
18...	--	--	--	--	--	--	--	--
26...	<.004	<.005	<.02	<.07	<.02	<.01	<.009	<.01
26...	.078	.075	.09	<.07	.31	<.01	.085	<.01
SEP								
06...	<.004	<.005	<.02	<.07	<.02	<.01	<.009	<.01
20...	<.004	<.005	<.02	<.07	<.02	<.01	<.009	<.01