Table 4. Estimated half-lives determined for sample matrices from the laboratory holding-time study (LHTS) and the first field holding-time study (FHTS1) for compounds included in provisional NWQL method LC9060. The samples were stored at 4°C in precleaned amber glass bottles for up to 60 days (FHTS1) or 90 days (LHTS).

[OBW, organic blank water; GW, laboratory supplied ground-water sample; SW, South Platte River; Hol., Holes Creek; Daw., Dawsons Creek; Hil., Hillsoboro Canal; >, greater than]

Compound	CAS number	Median	Estimated Half-Life, in Days						
			Lab Holding -Time Study			Field	d Holding-	Time Stu	dy
			OBW	GW	SW	GW	Hol.	Daw.	Hil.
Positive ion compounds									
2,4-D methyl ester	1928-38-7	12	27	9	3	47	13	11	12
2-Hydroxyatrazine	2163-68-0	12	>90	9	14	20	15	12	10
3-(4-Chlorophenyl)-1-methyl urea	5352-88-5	15	133	83	27	15	15	14	7
3-Hydroxycarbofuran	16655-82-6	10	8	11	9	35	14	10	7
3-keto-carbofuran	16709-30-1	6	6	3	3	13	6	6	5
Acifluorfen*	50594-66-6	28							
Aldicarb	116-06-3	8	15	3	8	14	7	8	4
Aldicarb sulfone	1646-88-4	9	341	16	5	15	9	7	5
Aldicarb sulfoxide	1646-87-3	9	3	14	9	15	9	7	6
Atrazine	1912-24-9	41	>90	181	65	41	37	34	31
Barban (surrogate)	101-27-9	56	206	161	47	57	56	45	51
Bendiocarb	22781-23-3	18	7	5	4	36	21	19	18
Benomyl	17804-35-2	7	107	>90	>90	20	7	8	4
Bensulfuron-methyl	83055-99-6	26	46	76	37	25	14	12	13
Bentazon*	25057-89-0	28							
Bromacil	314-40-9	25	61	198	169	25	11	9	7
Caffeine	58-08-2	38	23	38	24	121	59	40	33
Carbaryl	63-25-2	13	19	12	13	21	13	11	6
Carbofuran	1563-66-2	15	10	11	10	39	18	15	15
Chloramben methyl ester	7286-84-2	31	76	308	43	31	14	14	5
Chlorimuron-ethyl	90982-32-4	30	215	340	68	30	15	11	9
Cycloate	1134-23-2	11	7	37	24	16	11	8	8
Deethylatrazine	6190-65-4	22	285	119	23	46	22	17	16
Desethyl desisopropyl atrazine	3397-62-4	29	4	6	5	49	84	60	29
Deisopropylatrazine	1007-28-9	51	235	98	15	53	51	49	25
Diphenamid	957-51-7	24	32	33	20	29	23	19	24
Diuron	330-54-1	22	>90	>90	174	43	22	19	23
Fenuron	101-42-8	16	14	9	14	53	24	20	16
Flumetsulam	98967-40-9	20	79	71	17	24	20	11	6
Fluometuron	2164-17-2	37	16	23	18	56	38	40	37
Imazaquin	81335-37-7	17	79	70	33	16	17	6	7
Imazethapyr * estimated half life calculated using	81335-77-5 the median of 14		46 noted on p 12	43	44	18	18	13	8

Table 4. Estimated half-lives determined for sample matrices from the laboratory holding-time study (LHTS) and the first field holding-time study (FHTS1) for compounds included in provisional NWQL method LC9060. The samples were stored at 4°C in precleaned amber glass bottles for up to 60 days (FHTS1) or 90 days (LHTS)—Continued

Compound	CAS	Median	Estimated Half-Life, in Days						
	number		Lab Ho	lding -Tim	e Study	Fiel	d Holding-	Time Stu	dy
	number		OBW	GW	SW	GW	Hol.	Daw.	Hil.
Imidacloprid	138261-41-3	52	81	773	52	56	25	21	19
Linuron	330-55-2	18	>90	>90	64	59	20	18	17
Metalaxyl	57837-19-1	39	21	47	23	39	39	32	42
Methiocarb	2032-65-7	14	6	14	15	32	14	12	8
Methomyl	16752-77-5	11	6	92	26	27	11	8	5
Methomyl oxime	13749-94-5	4	2	3	4	23	12	4	6
Metsulfuron-methyl	74223-64-6	18	58	5	3	50	31	11	18
Neburon	555-37-3	18	89	>90	75	22	18	16	11
Nicosulfuron	111991-09-4	21	93	66	24	21	16	8	9
Norflurazon	27314-13-2	62	117	284	62	57	48	71	25
Oryzalin	19044-88-3	12	15	17	12	22	11	9	6
Oxamyl	23135-22-0	9	9	18	6	18	8	9	6
Oxamyl Oxime	30558-43-1	10	22	45	3	13	9	10	5
Propham	122-42-9	29	39	54	29	41	15	11	10
Propiconazole	60207-90-1	26	105	89	42	26	16	15	13
Propoxur	114-26-1	18	13	18	13	36	24	20	17
Siduron	1982-49-6	39	39	65	36	26	44	34	39
Sulfometuron-methyl	74222-97-2	20	59	105	31	20	13	7	11
Tebuthiuron	34014-18-1	36	52	56	24	106	37	33	36
Terbacil	5902-51-2	11	43	21	10	24	11	9	8
Tribenuron-methyl	101200-48-0	18	115	91	118	30	18	11	9
Negative ion compounds									
2,4,5-T (Surrogate)	93-76-5	21				29	19	22	14
2,4-D	94-75-7	37				45	36	37	25
2,4-DB	94-82-6	18				34	17	20	9
Bromoxynil	1689-84-5	26				54	26	25	9
Chlorothalonil	1897-45-6	29				7	51	63	4
Clopyralid	1702-17-6	36				38	38	35	30
Dacthal, mono acid	887-54-7	29				30	30	29	20
Dicamba	1918-00-9	25				36	25	25	16
Dichlorprop	120-36-5	30				37	28	31	22
Dinoseb	88-85-7	18				27	17	20	12

Table 4. Estimated half-lives determined for sample matrices from the laboratory holding-time study (LHTS) and the first field holding-time study (FHTS1) for compounds included in provisional NWQL method LC9060. The samples were stored at 4°C in precleaned amber glass bottles for up to 60 days (FHTS1) or 90 days (LHTS)—Continued

Compound	CAG	Median	Estimated Half-Life, in Days							
	CAS number		Lab Holding -Time Study			Field Holding-Time Study				
	number		OBW	GW	SW	GW	Hol.	Daw.	Hil.	
MCPA	94-74-6	27				34	26	28	16	
MCPB	94-81-5	27				39	25	29	17	
Picloram	1918-02-1	33				43	35	31	19	
Triclopyr	55335-06-3	32				39	30	34	17	