CHEMICAL ANALYSES OF DAVIS WATER
OCTOBER 2011

General Mineral, General Physical, and Inorganic Chemical Analyses

Constituent	Common Name	Units	MCL or *SMCL*	PHG or *Notification Level*	West Area					North Area		Central Area							East Area		South Area			
Well Number					30	25	20	28	31	27	19	23	1	33	11	7	14	24	15	22	26	32	EM3	21
Hardness	$CaCO_3$	mg/L			110	390	400	160	130	320	380	610	410	70	550	510	380	370	370	350	410	90	480	700
Calcium	Ca	mg/L			18	37	40	24	18	31	35	52	41	16	44	51	34	39	34	34	44	20	52	72
Magnesium	Mg	mg/L			16	71	73	24	21	59	71	120	74	7.0	110	94	71	65	70	64	73	10	86	130
Sodium	Na	mg/L			90	68	59	49	85	85	90	100	76	93	110	100	71	66	97	93	69	110	77	120
Potassium	K	mg/L			2.7	<2.0	<2.0	<2.0	2.5	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2	2.4	<2.0	2.3
Alkalinity	$CaCO_3$	mg/L			220	380	380	200	210	330	390	560	400	200	490	470	350	350	370	340	420	<5	370	340
Hydroxide	OH	mg/L			<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<1	<1.0	<3.0	<3.0
Carbonate	CO_3	mg/L			12	ND	<3.0	8.3	11	7.2	<3.0	<3.0	<3.0	15	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	7.4	<5	<3.0	<3.0
Bicarbonate	HCO_3	mg/L			200	380	380	190	200	330	390	560	400	180	490	470	350	350	370	340	500	<5	370	340
Sulfate	SO_4	mg/L	*500*		36	41	33	21	41	47	60	120	54	31	92	84	52	52	63	64	67	40	79	270
Chloride	Cl	mg/L	*500*		21	29	25	12	24	35	41	78	38	18	74	69	51	32	63	56	53	27	68	150
Nitrate	NO_3	mg/L	**45**	**45**	<2.0	23 [7]	35 [8]	3.7	<2.0	13 [7]	15	21 [7]	16	<2.0	19	17	13	12	7.8	5.5	18	<1	38 [7]	12
Fluoride	F	mg/L	**2**	**1**	0.11	0.22	0.24	0.10	0.12	0.19	0.26	0.26	0.25	ND	0.28	0.22	0.26	0.19	0.21	0.19	0.22	0.2	0.19	0.18
pH			*6.5-8.5*		8.4	8.2	8.2	8.4	8.4	8.3	8.2	8.2	8.2	8.5	8.2	8.2	8.2	8.2	8.2	8.3	8.3	8.2	8.2	8.2
Specific Conductance	E.C.	µmhos/cm	*1600*		590	950	920	490	590	880	1000	1400	1000	530	1300	1300	950	910	1000	990	1100	540	1100	**1700** [10]
Total Filterable Residue	TDS	mg/L	*1000*		350	530	500	270	330	490	570	820	570	310	770	720	530	520	580	540	560	300	630	**1000** [10]
Color		units	*15*		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5.0	<1	<1.0	<1.0
Odor		TON	*3*		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1	<1	<1.0	<1.0
Turbidity		NTU	*5*		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.11	<.1	<0.1	<0.1
MBAS (foaming agents)		mg/L	*0.05*		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<.05	<.05	<0.05	<0.05
Radioactivity: **Gross Alpha** [1]		pCi/L	**15**		1.4	1.9	1.3	1.1	0.7	2.1	3.8	3.6	2.6	0.2	4.4	2.8	1.7	3.6	3.0	2.7	3.7	0.1	5.5	4.6
Radium-228 [1]		pCi/L	**50**		0.229	1.090	0.506	0.231	0.515	0.074	0.028	0.512	0.545	0.181	0.517	0.760	0.522	0.910	0.445	0.284	2.020	0.181	-.102	1.260
Radon [2]		pCi/L			368	210	315	418	0	192	483	393	318		376	226	496	419	488	252	276		187	187
Aluminum	Al	µg/L	**1000**	**600**	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
Arsenic	As	µg/L	**10**	**0.004**	2.8	<2.0	<2.0	3.3	<2.0	3.5	2.8	2.4	2.3	4.7	2.0	2.2	<2.0	2.6	4.2	3.3	4.2	6.3	2.7	2.1
Antimony	Sb	µg/L	**6**	**20**	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2	<2.0	<2.0	<2.0
Barium	Ba	µg/L	**1000**	**2000**	<50	160	180	130	<50	88	110	180	180	<50	130	240	140	150	120	120	150	<50	91	51
Beryllium	Be	µg/L	**4**	**1**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1	<1.0	<1.0	<1.0
Cadmium	Cd	µg/L	**5**	**0.04**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1	<1.0	<1.0	<1.0
Total Chromium	Cr	µg/L	**50**		10	38 [6]	39 [6]	17	<10	12 [6]	23 [6]	27 [6]	31 [6]	<10	28 [6]	27 [6]	11	11	<10	<10	22	<0.1	17	<10
Hexavalent Chromium [3]	Cr V1	µg/L		**0.02**	6	32	40	15	8	18	30	30	27	<2	24	25	8	14	<2	6	16		16	6
Copper	Cu	µg/L	*1000*	**170~**	<5.0	<5.0	<5.0	<5.0	24	<5.0	24	11	<5.0	<5.0	22	<5.0	<5.0	9.3	8.1	12	<5	<50	<5.0	<5.0
Total Iron	Fe	µg/L	*300*		<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50 [6]	<50	<50	<50	<50	<50	<50	<50
Lead	Pb	µg/L	**15**	**2~**	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5	<5.0	<5.0	<5.0
Manganese	Mn	µg/L	*50*		10 [5]	<10	<10	<10	<10	<10	<10	<10	<10	44 [5]	<10	<10	<10	<10	36 [5]	23 [5]	26	59	<10	24
Mercury	Hg	µg/L	**2**	**1.2**	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<.4	<.4	<0.4	<0.4
Nickel	Ni	µg/L	**100**	**12**	<10	<10	<10	<10	<10	<10	61	<10	<10	<10	<10	<10	<10	<10	<10	15	<10	<10	<10	<10
Selenium	Se	µg/L	**50**		<2	3.5	2.2	<2	<2	4.1	19	27	9.4	<10	34 [4]	27 [4]	4.4	8.6	11	11	11	<2.0	19	10
Silver	Ag	µg/L	*100*		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Thallium	Tl	µg/L	**2**	**0.1**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1	<1.0	<1.0	<1.0
Zinc	Zn	µg/L	*5000*		<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	120	<50	<50	<50	<50	<50	<50	<50	<50	<50
Boron	B	µg/L		***1000***	930	670	580	720	780	**1000**	960	950	720	960	950	930	730	720	**1200**	**1100**	620	830	670	880
Nitrite	NO_2	mg/L	**1 (as N)**	**1 (as N)**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<.15	<.05	<0.1	<0.1
Sample Dates:		**Routine:**		**Title 22**	Aug-11	Aug-11	Aug-11	Aug-11	Aug-11	Aug-11	Aug-11	Aug-11	Aug-11	Aug-11	Aug-11	Aug-11	Aug-11	Aug-11	Aug-11	Aug-11	Aug-10	Nov-09	Aug-11	Aug-11
		[1] :		**Alpha/228**	Jul-07	Jul-07	Jul-07	Jul-07	Jul-07	Jul-07	Jul-07	Jul-07	Jul-07	Mar-08	Jul-07	Jul-07	Jul-07	Jul-07	Jul-07	Jul-07	Jul-07	Jul-07	Jul-07	Jul-07
		[2] :		**Radon**	Jun-05	Jun-05	Jun-05	Jun-05	Jun-05	Jun-05	Jun-05	Jun-05	Jun-05		Jun-05	Jun-05	Jun-05	Jun-05	Jun-05	Jun-05	Jun-05	Jun-05	Jun-05	Jun-05
		[3] :		**Hexavalent Cr**	Oct-10	Oct-10	Oct-10	Oct-10	Oct-10	Oct-10	Oct-10	Oct-10	Oct-10	Oct-10	Oct-10	Oct-10	Oct-10	Oct-10	Oct-10	Oct-10	Oct-10		Oct-10	Oct-10
		[4] :		**Quarterly Se**											Aug - 11	Aug - 11								
		[5] :		**Quarterly Mn**	Aug - 11									Aug - 11					Aug - 11	Aug - 11		May-11		
		[6] :		**Quarterly Cr**		Aug - 11	Aug - 11			Aug - 11	Aug - 11	Aug - 11	Aug - 11		Aug - 11									
		[7] :		**Quarterly NO_3**		Aug - 11				Aug - 11		Aug - 11												
		[8] :		**Monthly NO_3**			Oct-11																Oct-11	
		[9] :		**Quarterly Fe**													Aug - 11							
		[10] :		**Quarterly TDS/EC**																				Aug - 11

(NOTE: WELLS 26, 29, and 32 are OFF-LINE)

NOTES:
mg/L = milligrams per liter = parts per million (ppm)
µg/L = micrograms per liter = parts per billion (ppb)
µmhos/cm = micromhos/centimeter
MCL = maximum contaminant level = maximum quantity allowable *or desirable* under Federal and State Drinking Water Regulations
SMCL=Secondary Maximum Contaminant Level - set for aethetic reasons
PHG = Public Health Goals (Maximum Contaminant Level Goals) : Levels of contaminants in drinking water that are considered to pose an insignificant risk to public health.
(**Primary, or health related limits are bold face**; *Secondary, or aesthetic limits are in italics* ; California Notification Levels are in bold italics; Blank indicates no established standard)
Action Level =the level of a chemical in drinking water that is considered not to pose a significant health risk to people ingesting it daily.
pCi/L = Picocuries/Liter; a measure of radioactivity

City of Davis, Public Works
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CHEMICAL ANALYSES OF DAVIS WATER
OCTOBER 2011

Volatile Organic Chemicals

Constituent	EPA Method	Units	MCL	PHG or (MCLG)	West Area					North Area		Central Area							East Area		South Area			
Well Number					30	25	20	28	31	27	19	23	1	33	11	7	14	24	15	22	26	32	EM3	21
1,1,1,2-Tetrachloroethane	524.2	µg/L			<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,1,1-Trichloroethane (1,1,1-TCA)	524.2	µg/L	200	1000	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,1,2,2-Tetrachloroethane	524.2	µg/L	1	0.1	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	524.2	µg/L	1200	4000	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
1,1,2-Trichloroethane (1,1,2-TCA)	524.2	µg/L	5	0.3	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,1-Dichloroethane (1,1-DCA)	524.2	µg/L	5	3	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,1-Dichloroethene (1,1-DCE)	524.2	µg/L	6	10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,1-Dichloropropene	524.2	µg/L			<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,2,3-Trichlorobenzene	524.2	µg/L			<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,2,3-Trichloropropane	524.2	µg/L			<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,2,4-Trichlorobenzene	524.2	µg/L	5	5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,2,4-Trimethylbenzene	524.2	µg/L			<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,2-Dichlorobenzene (o-DCB)	524.2	µg/L	600	600	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,2-Dichloroethane (1,2-DCA)	524.2	ppt	500	400	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,2-Dichloropropane	524.2	µg/L	5	0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,3,5-Trimethylbenzene	524.2	µg/L			<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,3-Dichlorobenzene (m-DCB)	524.2	µg/L			<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,3-Dichloropropane	524.2	µg/L			<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,4-Dichlorobenzene (p-DCB)	524.2	µg/L	5	6	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
2,2-Dichloropropane	524.2	µg/L			<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
2-Butanone					<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-Chlorotoluene	524.2	µg/L			<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
4-Chlorotoluene	524.2	µg/L			<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
2-Hexanone	524.2	µg/L			<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
4-Methyl-2-pentanone	524.2	µg/L			<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acetone	524.2	µg/L			<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Benzene	524.2	µg/L	1	0.15	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Bromobenzene	524.2	µg/L			<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Bromochloromethane	524.2	µg/L			<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Bromodichloromethane	524.2	µg/L			<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Bromoform	524.2	µg/L			<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0.80	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Bromomethane (Methyl Bromide)	524.2	µg/L			<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Carbon tetrachloride	524.2	ppt	500	100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Chlorobenzene	524.2	µg/L			<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Chloroethane	524.2	µg/L			<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Chloroform	524.2	µg/L			<0.50	<0.50	1.1	<0.50	<0.50	<0.50	<0.50	0.95	<0.50	<0.50	1.6	0.83	0.61	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Chloromethane (Methyl Chloride)	524.2	µg/L			<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
cis-1,2-Dichloroethene	524.2	µg/L	6	100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
cis-1,3-Dichloropropene	524.2	µg/L			<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Dibromochloromethane	524.2	µg/L			<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0.85	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Dibromomethane	524.2	µg/L			<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Dichlorodifluoromethane	524.2	µg/L			<0.50	<1.0	<1.0	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<1.0	<0.50	<1.0
Routine Sample Dates:					Aug-11	Aug-11	Aug-11	Aug-11	Aug-11	Aug-11	Aug-11	Aug-11	Aug-11	Aug-11	Aug-11	Aug-11	Aug-11	Aug-11	Aug-11	Aug-11	Aug-10	Nov-09	Aug-11	Aug-11

NOTES:

mg/L = milligrams per liter = parts per million (ppm)

µg/L = micrograms per liter = parts per billion (ppb)

ppt = parts per trillion

MCL = maximum contaminant level = maximum quantity allowable or desirable under Federal and State Drinking Water Regulations

PHG = Public Health Goals (Maximum Contaminant Level Goals) : Levels of contaminants in drinking water that are considered to pose an insignificant risk to public health.

(Primary, or health related limits are bold face; Secondary, or aesthetic limits are in italics; California Notification Levels are in bold italics; Blank indicates no established standard)

City of Davis, Public Works
(530) 757-5686

CHEMICAL ANALYSES OF DAVIS WATER
OCTOBER 2011

Volatile Organic Chemicals (continued)

					West Area					North Area		Central Area							East Area		South Area			
					Well Number																			
Constituent	**EPA Method**	**Units**	**MCL**	**PHG or (MCLG)**	**30**	**25**	**20**	**28**	**31**	**27**	**19**	**23**	**1**	**33**	**11**	**7**	**14**	**24**	**15**	**22**	**26**	**32**	**EM3**	**21**
Dichloromethane	524.2	µg/L			<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Di-isopropyl Ether (DIPE)	524.2	µg/L			<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Ethly t-Butyl Ether	524.2	µg/L			<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
Ethylbenzene (Phenylethane)	524.2	µg/L	**300**	**300**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Hexachlorobutadiene	524.2	µg/L		**50**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Isopropylbenzene (Cumene)	524.2	µg/L			<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
m,p-Xylenes	524.2	µg/L			<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Methylene chloride	524.2	µg/L	**5**	**4**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Methyl t-butyl ether (MTBE)	524.2	µg/L	**13**	**13**	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
Naphthalene	524.2	µg/L			<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
n-Butylbenzene	524.2	µg/L			<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
n-Propylbenzene	524.2	µg/L			<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
o-Xylene	524.2	µg/L			<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
p-Isopropyltoluene	524.2	µg/L			<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
sec-Butylbenzene	524.2	µg/L			<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Styrene (Vinylbenzene)	524.2	µg/L	**100**		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
t-Amyl Methyl Ether	524.2	µg/L			<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
tert-Butyl Alcohol (TBA)	524.2	µg/L			<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
tert-Butylbenzene	524.2	µg/L			<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Tetrachloroethylene (PCE)	524.2	µg/L	**5**	**0.06**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Toluene	524.2	µg/L	**150**	**150**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Total 1,3-Dichloropropene (Telone 11)	524.2	µg/L		**0.20**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Trihalomethanes (TTHM)	524.2	µg/L			-	-	1.1	-	-	-	-	-	-	-	1.6	0.83	0.61	-	-	-	-	-	-	-
Total Xylenes Isomers	524.2	µg/L			<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
trans-1,2-Dichloroethene (t-1,2-DCE)	524.2	µg/L	**10**	**6**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
trans-1,3-Dichloropropene	524.2	µg/L			<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0.51	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Trichloroethylene (TCE)	524.2	µg/L	**5**	**0.8**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0.51	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Trichlorofluoromethane (FREON 11)	524.2	µg/L	**150**	**700**	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Vinyl Chloride	524.2	µg/L	**0.5**	**0.05**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Routine Sample Dates:					Aug-11	Aug-11	Aug-11	Aug-11	Aug-11	Aug-11	Aug-11	Aug-11	Aug-11	Aug-11	Aug-11	Aug-11	Aug-11	Aug-11	Aug-11	Aug-11	Aug-10	Nov-09	Aug-11	Aug-11

NOTES:

mg/L = milligrams per liter = parts per million (ppm)

µg/L = micrograms per liter = parts per billion (ppb)

ppt = parts per trillion

MCL = maximum contaminant level = maximum quantity allowable or desirable under Federal and State Drinking Water Regulations

PHG = Public Health Goals (Maximum Contaminant Level Goals) : Levels of contaminants in drinking water that are considered to pose an insignificant risk to public health.

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Davis California

CHEMICAL ANALYSES OF DAVIS WATER
OCTOBER 2011

Synthetic Organic Chemicals

					West Area					North Area		Central Area							East Area		South Area			
Well Number					**30**	**25**	**20**	**28**	**31**	**27**	**19**	**23**	**1**	**33**	**11**	**7**	**14**	**24**	**15**	**22**	**26**	**32**	**EM3**	**21**
Constituent	**EPA Method**	**Units**	**MCL**	**PHG or (MCLG)**																				
1,2-Dibromo-3-chloropropane (DBCP)	504	ppt	**200**	**1.7**	<0.10	<0.10	<0.10	<0.10	0.13	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Ethylene Dibromide (EDB)	504	µg/L	**50**	**10**	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Aldrin	505	µg/L			<.075	<.075	<.075	<.075	<.075	<.075	<.075	<.075	<.075	<.075	<.075	<.075	<.075	<.075	<.075	<.075	<.075	<.075	<.075	<.075
Chlordane	505	ppt	**100**	**30**	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Chlorothalonil (DADONIL, BRAVO)	505	µg/L			<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Dieldrin	505	µg/L			<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Endrin	505	µg/L	**2**	**1.8**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Heptachlor	505	µg/L	**10**	**8**	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Heptachlor Epoxide	505	µg/L	**10**	**6**	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Hexachlorobenzene	505	µg/L	**1**	**0.03**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Hexachlorocyclopentadiene	505	µg/L	**50**	**50**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Lindane	505	ppt	**200**	**32**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Methoxychlor	505	µg/L			<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Perchlorate		µg/L	**6**	**6**	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	3.0	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8
Polychlorinated Biphenyls (Total PCB)	505	ppt	**500**	**0**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Toxaphene	505	µg/L	**3**	**0.03**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Trifluralin (TREFLAN)	505	µg/L			<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2,4,5-TP (SILVEX)	515.3	µg/L	**50**	**25**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2,4-D	515.3	µg/L	**70**	**70**	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Bentazon (BASAGRAN)	515.3	µg/L	**18**	**200**	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Dalapon	515.3	µg/L	**200**	**790**	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Dicamba (BANVEL)	515.3	µg/L			<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5
Dinoseb (DNBP)	515.3	µg/L	**7**	**14**	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Pentachlorophenol (PCP)	515.3	µg/L	**1**	**0.4**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Picloram	515.3	µg/L	**500**	**500**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Alachlor (ALANEX)	525.2	µg/L	**2**	**4**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	Routine Sample Dates:				2010	2009	2009	2009	2010	2009	2009	2010	2009	2009	2009	2009	2009	2009	2009	2009	2009	2009	2009	2009
NOTES:	**Perchlorate**				2011	2011	2011	2011	2011	2011	2011	2011	2011	2011	2011	2011	2011	2011	2011	2011	2010	2009	2011	2011

mg/L = milligrams per liter = parts per million (ppm)

µg/L = micrograms per liter = parts per billion (ppb)

ppt = parts per trillion

MCL = maximum contaminant level = maximum quantity allowable or desirable under Federal and State Drinking Water Regulations

PHG = Public Health Goals (Maximum Contaminant Level Goals) : Levels of contaminants in drinking water that are considered to pose an insignificant risk to public health.

(Primary, or health related limits are bold face; Secondary, or aesthetic limits are in italics; California Notification Levels are in bold italics; Blank indicates no established standard)

CHEMICAL ANALYSES OF DAVIS WATER
OCTOBER 2011

Synthetic Organic Chemicals (continued)

					West Area					North Area		Central Area							East Area		South Area			
					Well Number																			
Constituent	**EPA Method**	**Units**	**MCL**	**PHG or (MCLG)**	**30**	**25**	**20**	**28**	**31**	**27**	**19**	**23**	**1**	**33**	**11**	**7**	**14**	**24**	**15**	**22**	**26**	**32**	**EM3**	**21**
Atrazine (AATREX)	525.2	µg/L	**1**	**0.15**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Benzo(a)pyrene (PAH)	525.2	ppt	**200**	**4**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
bis(2-ethylhexyl) adipate	525.2	µg/L	**400**	**200**	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
bis(2-ethylhexyl) phthalate	525.2	µg/L	**4**	**12**	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
Bromacil (HYVAR)	525.2	µg/L			<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Butachlor	525.2	µg/L			<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38
Diazinon	525.2	µg/L			<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Dimethoate (CYGON)	525.2	µg/L			<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Metolachlor	525.2	µg/L			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Metribuzin	525.2	µg/L			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Molinate (ORDRAM)	525.2	µg/L	**20**		<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Propachlor	525.2	µg/L			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Simazine (PRINCEP)	525.2	µg/L	**4**	**4**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Thiobencarb (BOLERO)	525.2	µg/L	**70**	**70**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
3-Hydroxycarbofuran	531.1	µg/L			<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
Aldicarb (TEMIK)	531.1	µg/L			<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
Aldicarb Sulfone	531.1	µg/L			<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Aldicarb Sulfoxide	531.1	µg/L			<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
Carbaryl (SEVIN)	531.1	µg/L			<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Carbofuran (FURADAN)	531.1	µg/L	**18**	**1.7**	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Methomyl	531.1	µg/L			<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Oxamyl (VYDATE)	531.1	µg/L	**50**	**50**	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20
Glyphosate	547	µg/L	**700**	**1000**	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
Endothall	548.1	µg/L	**100**	**580**	<45	<45	<45	<45	<45	<45	<45	<45	<45	<45	<45	<45	<45	<45	<45	<45	<45	<45	<45	<45
Diquat	549.2	µg/L	**20**	**15**	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
2,3,7,8-TCDD (DIOXIN)	1613B	ppq	**30**	**0**	<.000005	<.000005	<.000005	<.000005	<.000005	<.000005	<.000005	<.000005	<.000005	<.000005	<.000005	<.000005	<.000005	<.000005	<.000005	<.000005	<.000005	<.000005	<.000005	<.000005
Routine Sample Dates:					2010	2009	2009	2009	2010	2009	2009	2010	2009	2009	2009	2009	2009	2009	2009	2009	2009	2009	2009	2009

NOTES:

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(Primary, or health related limits are bold face; Secondary, or aesthetic limits are in italics; California Notification Levels are in bold italics; Blank indicates no established standard)

CHEMICAL ANALYSES OF DAVIS WATER
OCTOBER 2011

UPDATED : OCTOBER 2011

SYSTEM AND TESTING INFORMATION

Davis' water is 100% groundwater pumped from 19 wells located throughout the City.

This information is a summary of recent quality analyses performed on the City of Davis' wells and system. Since all of the City's water mains are interconnected and the number of wells operating at any given time depends on the system demand, you may or may not receive water from the well that is closest to your residence.

The water is untreated except for addition of @sodium hypochlorite (chlorine). Each well receives a full chemical analysis once every 16 months and the system is sampled for bacteria on a weekly basis. (Bacteriological results are not reported here.)

If you have further questions or desire additional information, please phone Marie Graham at (530) 757-5686.

e-mail: mgraham@cityofdavis.org

HARDNESS CALCULATIONS BY AREA

Well #	mg/L	grains/gal
WEST		
30	110	6
20	400	23
25	390	23
28	160	9
31	130	8
	238	14
NORTH		
19	380	22
27	320	19
	350	20

Well #		mg/L	grains/gal
CENTRAL			
1		410	24
7		510	30
11		550	32
14		380	22
23		610	36
	Average	492	29
EAST			
33		70	4
15		370	22
22		350	20
	Average	263	15
SOUTH			
24		370	22
21		700	41
26**		410	24
32*			
EM3		480	28
	Average	490	29

HARDNESS is a measure of the concentration of calcium and magnesium present in water. Hard water causes scaling on plumbing fixtures and utensils but is not a health concern. The optimum amount of hardness for household water is 75 to 100 mg/L. Hardness is commonly referred to in grains per gallon (GPG) for adjusting water softeners. GPG is obtained by dividing mg/L by 17.1

*Awaiting permit from California Department of Public Health

**The value used for Well 26 was taken from August 2010.

@ **CHLORINE ADVISORY** - Davis' water is chlorinated at a dosage of 0.5 ppm. take proper precautions when adding water to fish tanks, dialysis machines, etc.