Parameters and Parameter Groups, USGS Scientific Investigations Report SIR 2012-5036 (available at http://pubs.usgs.gov/sir/2012/5036/)

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10	Field measurement	Physical	Temperature, water, degrees Celsius		Temperature, water	--			--
95	Field measurement	Physical	Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius		Specific conductance	--			--
300	Field measurement	Inorganics, Major, Non-metals	Dissolved oxygen, water, unfiltered, milligrams per liter	7782-44-7	Oxygen	--			--
400	Field measurement	Physical	pH, water, unfiltered, field, standard units		pH	6.5 to 8.5 (SDWR)	std units		6.5 to 8.5
405	Dissolved gases	Inorganics, Major, Non-metals	Carbon dioxide, water, unfiltered, milligrams per liter	124-38-9	Carbon dioxide	--			--
597	Dissolved gases	Nutrient	Dinitrogen, water, unfiltered, milligrams per liter	7727-37-9	Nitrogen	--			--
608	Nutrients	Nutrient	Ammonia, water, filtered, milligrams per liter as nitrogen		Ammonia and ammonium	30 (DWAT)	mg/L as N		--
613	Nutrients	Nutrient	Nitrite, water, filtered, milligrams per liter as nitrogen	14797-65-0	Nitrite	1 (MCL)	mg/L as N		1
631	Nutrients	Nutrient	Nitrate plus nitrite, water, filtered, milligrams per liter as nitrogen		Inorganic nitrogen (nitrate and nitrite)	10 (MCL)	mg/L as N		10
671	Nutrients	Nutrient	Orthophosphate, water, filtered, milligrams per liter as phosphorus	14265-44-2	Phosphate	--			--
900	Calculated	Physical	Hardness, water, milligrams per liter as calcium carbonate		Total hardness -- SDWA NPDWR	--			--
915	Major Ions	Inorganics, Major, Metals	Calcium, water, filtered, milligrams per liter	7440-70-2	Calcium	--			--
925	Major Ions	Inorganics, Major, Metals	Magnesium, water, filtered, milligrams per liter	7439-95-4	Magnesium	--			--
930	Major Ions	Inorganics, Major, Metals	Sodium, water, filtered, milligrams per liter	7440-23-5	Sodium	30-60 (DWAT); 20 (DWAT-Low sodium diet)	mg/L		Reserved
935	Major Ions	Inorganics, Major, Metals	Potassium, water, filtered, milligrams per liter	7440-09-7	Potassium	--			--
940	Major Ions	Inorganics, Major, Non-metals	Chloride, water, filtered, milligrams per liter	16887-00-6	Chloride	250 (SDWR)	mg/L		250
945	Major Ions	Inorganics, Major, Non-metals	Sulfate, water, filtered, milligrams per liter	14808-79-8	Sulfate	250 (SDWR)	mg/L		250
950	Major Ions	Inorganics, Major, Non-metals	Fluoride, water, filtered, milligrams per liter	16984-48-8	Fluoride	4 (MCL) and 2 (SDWR)	mg/L		4

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955	Major Ions	Inorganics, Major, Non-metals	Silica, water, filtered, milligrams per liter as SiO2	7631-86-9	Silica	--			--
1000	Trace Elements	Inorganics, Minor, Non-metals	Arsenic, water, filtered, micrograms per liter	7440-38-2	Arsenic	10 (MCL)	ug/L		10
1005	Trace Elements	Inorganics, Minor, Metals	Barium, water, filtered, micrograms per liter	7440-39-3	Barium	2,000 (MCL)	ug/L		2,000
1010	Trace Elements	Inorganics, Minor, Metals	Beryllium, water, filtered, micrograms per liter	7440-41-7	Beryllium	4 (MCL)	ug/L		4
1020	Trace Elements	Inorganics, Minor, Non-metals	Boron, water, filtered, micrograms per liter	7440-42-8	Boron	1,000 (LTHA)	ug/L		1,000
1025	Trace Elements	Inorganics, Minor, Metals	Cadmium, water, filtered, micrograms per liter	7440-43-9	Cadmium	5 (MCL)	ug/L		5
1030	Trace Elements	Inorganics, Minor, Metals	Chromium, water, filtered, micrograms per liter	7440-47-3	Chromium	100 (MCL)	ug/L		100
1035	Trace Elements	Inorganics, Minor, Metals	Cobalt, water, filtered, micrograms per liter	7440-48-4	Cobalt	--			--
1040	Trace Elements	Inorganics, Minor, Metals	Copper, water, filtered, micrograms per liter	7440-50-8	Copper	1,300 (TT Action level) and 1,000 (SDWR)	ug/L		1,300
1046	Trace Elements	Inorganics, Minor, Metals	Iron, water, filtered, micrograms per liter	7439-89-6	Iron	300 (SDWR)	ug/L		--
1049	Trace Elements	Inorganics, Minor, Metals	Lead, water, filtered, micrograms per liter	7439-92-1	Lead	15 (TT Action level)	ug/L		15
1056	Trace Elements	Inorganics, Minor, Metals	Manganese, water, filtered, micrograms per liter	7439-96-5	Manganese	300 (LTHA) and 50 (SDWR)	ug/L		50
1060	Trace Elements	Inorganics, Minor, Metals	Molybdenum, water, filtered, micrograms per liter	7439-98-7	Molybdenum	40 (LTHA)	ug/L		Reserved
1065	Trace Elements	Inorganics, Minor, Metals	Nickel, water, filtered, micrograms per liter	7440-02-0	Nickel	100 (LTHA)	ug/L		Reserved
1075	Trace Elements	Inorganics, Minor, Metals	Silver, water, filtered, micrograms per liter	7440-22-4	Silver	100 (LTHA) and 100 (SDWR)	ug/L		100
1080	Trace Elements	Inorganics, Minor, Metals	Strontium, water, filtered, micrograms per liter	7440-24-6	Strontium	4,000 (LTHA)	ug/L		--
1085	Trace Elements	Inorganics, Minor, Metals	Vanadium, water, filtered, micrograms per liter	7440-62-2	Vanadium	--			Reserved
1090	Trace Elements	Inorganics, Minor, Metals	Zinc, water, filtered, micrograms per liter	7440-66-6	Zinc	2,000 (LTHA) and 5,000 (SDWR)	ug/L		5,000
1130	Trace Elements	Inorganics, Minor, Metals	Lithium, water, filtered, micrograms per liter	7439-93-2	Lithium	--			--

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1145	Trace Elements	Inorganics, Minor, Non-metals	Selenium, water, filtered, micrograms per liter	7782-49-2	Selenium	50 (MCL)	ug/L		50
3515	Radionuclides	Radiochemical	Gross beta radioactivity, water, filtered, Cs-137 curve, picocuries per liter	12587-47-2	Beta particle	4 (MCL)	millirems per year		4
4023	Pesticides and Pesticide degradates	Organics, Pesticide	Trifluralin, water, filtered, recoverable, micrograms per liter	1582-09-8	Trifluralin	10 (LTHA)	ug/L		--
4024	Pesticides and Pesticide degradates	Organics, Pesticide	Propachlor, water, filtered, recoverable, micrograms per liter	1918-16-7	Propachlor	100 (10^{-4} CR)	ug/L		--
4025	Pesticides and Pesticide degradates	Organics, Pesticide	Hexazinone, water, filtered, recoverable, micrograms per liter	51235-04-2	Hexazinone	400 (LTHA)	ug/L		--
4026	Pesticides and Pesticide degradates	Organics, Pesticide	Butachlor, water, filtered, recoverable, micrograms per liter	23184-66-9	Butachlor	--			--
4027	Pesticides and Pesticide degradates	Organics, Pesticide	Carboxin, water, filtered, recoverable, micrograms per liter	5234-68-4	Carboxin	700 (LTHA)	ug/L		--
4028	Pesticides and Pesticide degradates	Organics, Pesticide	Butylate, water, filtered, recoverable, micrograms per liter	2008-41-5	Butylate	400 (LTHA)	ug/L		--
4029	Pesticides and Pesticide degradates	Organics, Pesticide	Bromacil, water, filtered, recoverable, micrograms per liter	314-40-9	Bromacil	70 (LTHA)	ug/L		--
4030	Pesticides and Pesticide degradates	Organics, Pesticide	Simetryn, water, filtered, recoverable, micrograms per liter	1014-70-6	Simetryn	--			--
4031	Pesticides and Pesticide degradates	Organics, Pesticide	Cycloate, water, filtered, recoverable, micrograms per liter	1134-23-2	Cycloate	--			--
4032	Pesticides and Pesticide degradates	Organics, Pesticide	Terbacil, water, filtered, recoverable, micrograms per liter	5902-51-2	Terbacil	90 (LTHA)	ug/L		--
4033	Pesticides and Pesticide degradates	Organics, Pesticide	Diphenamid, water, filtered, recoverable, micrograms per liter	957-51-7	Diphenamid	200 (LTHA)	ug/L		--
4034	Pesticides and Pesticide degradates	Organics, Pesticide	Vernolate, water, filtered, recoverable, micrograms per liter	1929-77-7	Vernolate	--			--
4035	Pesticides and Pesticide degradates	Organics, Pesticide	Simazine, water, filtered, recoverable, micrograms per liter	122-34-9	Simazine	4 (MCL)	ug/L		4
4036	Pesticides and Pesticide degradates	Organics, Pesticide	Prometryn, water, filtered, recoverable, micrograms per liter	7287-19-6	Prometryn	--			--
4037	Pesticides and Pesticide degradates	Organics, Pesticide	Prometon, water, filtered, recoverable, micrograms per liter	1610-18-0	Prometon	400 (LTHA)	ug/L		--
4038	Pesticides and Pesticide degradates	Organics, Pesticide	2-Chloro-6-ethylamino-4-amino-s-triazine, water, filtered, recoverable, micrograms per liter	1007-28-9	2-Chloro-6-ethylamino-4-amino-s-triazine	--			--
4039	Pesticides and Pesticide degradates	Organics, Pesticide	Chlorodiamino-s-triazine, water, filtered, recoverable, micrograms per liter	3397-62-4	2-Chloro-4,6-diamino-s-triazine	--			--

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4040	Pesticides and Pesticide degradates	Organics, Pesticide	2-Chloro-4-isopropylamino-6-amino-s-triazine, water, filtered, recoverable, micrograms per liter	6190-65-4	2-Chloro-4-isopropylamino-6-amino-s-triazine	--			--
4041	Pesticides and Pesticide degradates	Organics, Pesticide	Cyanazine, water, filtered, recoverable, micrograms per liter	21725-46-2	Cyanazine	1 (LTHA)	ug/L		--
4126	Radionuclides	Radiochemical	Alpha radioactivity, water, filtered, Th-230 curve, picocuries per liter	12587-46-1	Alpha particle	15 pCi/L	pCi/L		15 pCi/L, including radium-226 activity, excluding radon and uranium activity
9511	Radionuclides	Radiochemical	Radium-226, water, filtered, radon method, picocuries per liter	13982-63-3	Radium-226	5 pCi/L for radium-226 plus radium-228 (MCL)	pCi/L		5 pCi/L for radium-226 plus radium-228
22703	Trace Elements	Radiochemical	Uranium (natural), water, filtered, micrograms per liter	7440-61-1	Uranium-234 and/or uranium-235 and/or uranium-238	30 (MCL)	ug/L		30
30217	Volatile organic compounds	Organics, Other	Dibromomethane, water, unfiltered, recoverable, micrograms per liter	74-95-3	Dibromomethane	--			Reserved
32101	Volatile organic compounds	Organics, Other	Bromodichloromethane, water, unfiltered, recoverable, micrograms per liter	75-27-4	Dichlorobromomethane	80 (MCL)	ug/L	The MCL is for concentration of total trihalomethane (THM).	80
32102	Volatile organic compounds	Organics, Other	Tetrachloromethane, water, unfiltered, recoverable, micrograms per liter	56-23-5	Carbon tetrachloride	5 (MCL)	ug/L		5
32103	Volatile organic compounds	Organics, Pesticide	1,2-Dichloroethane, water, unfiltered, recoverable, micrograms per liter	107-06-2	1,2-Dichloroethane	5 (MCL)	ug/L		5
32104	Volatile organic compounds	Organics, Other	Tribromomethane, water, unfiltered, recoverable, micrograms per liter	75-25-2	Tribromomethane	80 (MCL)	ug/L	The MCL is for concentration of total trihalomethane (THM).	80
32105	Volatile organic compounds	Organics, Other	Dibromochloromethane, water, unfiltered, recoverable, micrograms per liter	124-48-1	Chlorodibromomethane	80 (MCL)	ug/L	The MCL is for concentration of total trihalomethane (THM).	80
32106	Volatile organic compounds	Organics, Other	Trichloromethane, water, unfiltered, recoverable, micrograms per liter	67-66-3	Chloroform	80 (MCL)	ug/L	The MCL is for concentration of total trihalomethane (THM).	80
34010	Volatile organic compounds	Organics, Other	Toluene, water, unfiltered, recoverable, micrograms per liter	108-88-3	Toluene	1,000 (MCL)	ug/L		1,000
34030	Volatile organic compounds	Organics, Other	Benzene, water, unfiltered, recoverable, micrograms per liter	71-43-2	Benzene	5 (MCL)	ug/L		5
34215	Volatile organic compounds	Organics, Pesticide	Acrylonitrile, water, unfiltered, recoverable, micrograms per liter	107-13-1	Acrylonitrile	6 (10^{-4} CR)	ug/L		--
34301	Volatile organic compounds	Organics, Other	Chlorobenzene, water, unfiltered, recoverable, micrograms per liter	108-90-7	Chlorobenzene	100 (MCL)	ug/L		100

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34311	Volatile organic compounds	Organics, Other	Chloroethane, water, unfiltered, recoverable, micrograms per liter	75-00-3	Chloroethane	--			--
34371	Volatile organic compounds	Organics, Other	Ethylbenzene, water, unfiltered, recoverable, micrograms per liter	100-41-4	Ethylbenzene	700 (MCL)	ug/L		700
34396	Volatile organic compounds	Organics, Other	Hexachloroethane, water, unfiltered, recoverable, micrograms per liter	67-72-1	Hexachloroethane	1 (LTHA)	ug/L		--
34413	Volatile organic compounds	Organics, Pesticide	Bromomethane, water, unfiltered, recoverable, micrograms per liter	74-83-9	Methyl bromide	10 (LTHA)	ug/L		--
34418	Volatile organic compounds	Organics, Other	Chloromethane, water, unfiltered, recoverable, micrograms per liter	74-87-3	Chloromethane	30 (LTHA)	ug/L		--
34423	Volatile organic compounds	Organics, Other	Dichloromethane, water, unfiltered, recoverable, micrograms per liter	75-09-2	Methylene chloride	5 (MCL)	ug/L		5
34447	Explosive compounds	Organics, Other	Nitrobenzene, water, unfiltered, recoverable, micrograms per liter	98-95-3	Nitrobenzene	--			--
34475	Volatile organic compounds	Organics, Other	Tetrachloroethene, water, unfiltered, recoverable, micrograms per liter	127-18-4	Tetrachloroethylene	5 (MCL)	ug/L		5
34488	Volatile organic compounds	Organics, Other	Trichlorofluoromethane, water, unfiltered, recoverable, micrograms per liter	75-69-4	CFC-11	2,000 (LTHA)	ug/L		--
34496	Volatile organic compounds	Organics, Other	1,1-Dichloroethane, water, unfiltered, recoverable, micrograms per liter	75-34-3	1,1-Dichloroethane	--			--
34501	Volatile organic compounds	Organics, Other	1,1-Dichloroethene, water, unfiltered, recoverable, micrograms per liter	75-35-4	1,1-Dichloroethylene	7 (MCL)	ug/L		7
34506	Volatile organic compounds	Organics, Other	1,1,1-Trichloroethane, water, unfiltered, recoverable, micrograms per liter	71-55-6	1,1,1-Trichloroethane	200 (MCL)	ug/L		200
34511	Volatile organic compounds	Organics, Other	1,1,2-Trichloroethane, water, unfiltered, recoverable, micrograms per liter	79-00-5	1,1,2-Trichloroethane	5 (MCL)	ug/L		5
34516	Volatile organic compounds	Organics, Other	1,1,2,2-Tetrachloroethane, water, unfiltered, recoverable, micrograms per liter	79-34-5	1,1,2,2-Tetrachloroethane	20 (10^{-4} CR)	ug/L		--
34536	Volatile organic compounds	Organics, Other	1,2-Dichlorobenzene, water, unfiltered, recoverable, micrograms per liter	95-50-1	o-Dichlorobenzene	600 (MCL)	ug/L		600
34541	Volatile organic compounds	Organics, Pesticide	1,2-Dichloropropane, water, unfiltered, recoverable, micrograms per liter	78-87-5	1,2-Dichloropropane	5 (MCL)	ug/L		5
34546	Volatile organic compounds	Organics, Other	trans-1,2-Dichloroethene, water, unfiltered, recoverable, micrograms per liter	156-60-5	trans-1,2-Dichloroethylene	100 (MCL)	ug/L		100
34551	Volatile organic compounds	Organics, Other	1,2,4-Trichlorobenzene, water, unfiltered, recoverable, micrograms per liter	120-82-1	1,2,4-Trichlorobenzene	70 (MCL)	ug/L		70
34566	Volatile organic compounds	Organics, Other	1,3-Dichlorobenzene, water, unfiltered, recoverable, micrograms per liter	541-73-1	m-Dichlorobenzene	600 (LTHA)	ug/L		--

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34571	Volatile organic compounds	Organics, Pesticide	1,4-Dichlorobenzene, water, unfiltered, recoverable, micrograms per liter	106-46-7	p-Dichlorobenzene	75 (MCL)	ug/L		75
34611	Explosive compounds	Organics, Other	2,4-Dinitrotoluene, water, unfiltered, recoverable, micrograms per liter	121-14-2	2,4-Dinitrotoluene	5 (10^{-4} CR)	ug/L		--
34626	Explosive compounds	Organics, Other	2,6-Dinitrotoluene, water, unfiltered, recoverable, micrograms per liter	606-20-2	2,6-Dinitrotoluene	5 (10^{-4} CR)	ug/L		--
34668	Volatile organic compounds	Organics, Other	Dichlorodifluoromethane, water, unfiltered, recoverable, micrograms per liter	75-71-8	CFC-12	1,000 (LTHA)	ug/L		--
34696	Volatile organic compounds	Organics, Other	Naphthalene, water, unfiltered, recoverable, micrograms per liter	91-20-3	Naphthalene	100 (LTHA)	ug/L		--
34699	Volatile organic compounds	Organics, Pesticide	trans-1,3-Dichloropropene, water, unfiltered, recoverable, micrograms per liter	10061-02-6	trans-1,3-Dichloropropene	--			--
34704	Volatile organic compounds	Organics, Pesticide	cis-1,3-Dichloropropene, water, unfiltered, recoverable, micrograms per liter	10061-01-5	cis-1,3-Dichloropropene	--			--
34756	Pesticides and Pesticide degradates	Organics, Pesticide	Triazine screen, water, filtered, enzyme link immuno sorbent assay, recoverable, micrograms per liter as atrazine		Triazines mixture, unspecified	--			--
38401	Pesticides and Pesticide degradates	Organics, Pesticide	Ametryn, water, filtered, recoverable, micrograms per liter	834-12-8	Ametryn	60 (LTHA)	ug/L		--
38478	Pesticides and Pesticide degradates	Organics, Pesticide	Linuron, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter	330-55-2	Linuron	--			--
38535	Pesticides and Pesticide degradates	Organics, Pesticide	Propazine, water, filtered, recoverable, micrograms per liter	139-40-2	Propazine	10 (LTHA)	ug/L		--
38811	Pesticides and Pesticide degradates	Organics, Pesticide	Fluometuron, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter	2164-17-2	Fluometuron	90 (LTHA)	ug/L		--
38888	Pesticides and Pesticide degradates	Organics, Pesticide	Terbutryn, water, filtered, recoverable, micrograms per liter	886-50-0	Terbutryn	--			--
39086	Major Ions	Inorganics, Major, Non-metals	Alkalinity, water, filtered, inflection-point titration method (incremental titration method), field, milligrams per liter as calcium carbonate		Alkalinity	--			--
39175	Volatile organic compounds	Organics, Other	Vinyl chloride, water, unfiltered, recoverable, micrograms per liter	75-01-4	Vinyl chloride	2 (MCL)	ug/L		2
39180	Volatile organic compounds	Organics, Other	Trichloroethene, water, unfiltered, recoverable, micrograms per liter	79-01-6	Trichloroethylene	5 (MCL)	ug/L		5
39415	Pesticides and Pesticide degradates	Organics, Pesticide	Metolachlor, water, filtered, recoverable, micrograms per liter	51218-45-2	Metolachlor	700 (LTHA)	ug/L		--

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39632	Pesticides and Pesticide degradates	Organics, Pesticide	Atrazine, water, filtered, recoverable, micrograms per liter	1912-24-9	Atrazine	3 (MCL)	ug/L		3
39702	Volatile organic compounds	Organics, Other	Hexachlorobutadiene, water, unfiltered, recoverable, micrograms per liter	87-68-3	Hexachlorobutadiene	90 (10^{-4} CR)	ug/L		--
45622	Explosive compounds	Organics, Other	1,3-Dinitrobenzene, water, unfiltered, recoverable, micrograms per liter	99-65-0	m-Dinitrobenzene	1 (LTHA)	ug/L		--
46341	Explosive compounds	Organics, Other	3-Nitrotoluene, water, unfiltered, recoverable, micrograms per liter	99-08-1	m-Nitrotoluene	--			--
46342	Pesticides and Pesticide degradates	Organics, Pesticide	Alachlor, water, filtered, recoverable, micrograms per liter	15972-60-8	Alachlor	2 (MCL)	ug/L		2
49260	Pesticides and Pesticide degradates	Organics, Pesticide	Acetochlor, water, filtered, recoverable, micrograms per liter	34256-82-1	Acetochlor	--			--
49991	Volatile organic compounds	Organics, Other	Methyl acrylate, water, unfiltered, recoverable, micrograms per liter	96-33-3	Methyl acrylate	--			--
49999	Volatile organic compounds	Organics, Other	1,2,3,4-Tetramethylbenzene, water, unfiltered, recoverable, micrograms per liter	488-23-3	1,2,3,4-Tetramethylbenzene	--			--
50000	Volatile organic compounds	Organics, Other	1,2,3,5-Tetramethylbenzene, water, unfiltered, recoverable, micrograms per liter	527-53-7	1,2,3,5-Tetramethylbenzene	--			--
50002	Volatile organic compounds	Organics, Other	Bromoethene, water, unfiltered, recoverable, micrograms per liter	593-60-2	Vinyl bromide	--			--
50004	Volatile organic compounds	Organics, Other	tert-Butyl ethyl ether, water, unfiltered, recoverable, micrograms per liter	637-92-3	Ethyl tert-butyl ether	--			--
50005	Volatile organic compounds	Organics, Other	Methyl tert-pentyl ether, water, unfiltered, recoverable, micrograms per liter	994-05-8	tert-Amyl methyl ether	--			--
50009	Pesticides and Pesticide degradates	Organics, Pesticide	Alachlor sulfonic acid, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter	142363-53-9	Alachlor ESA	--			--
50281	Age-dating related analytes	Organics, Other	Trichlorofluoromethane, for age dating, water, unfiltered, recoverable, picograms per kilogram	75-69-4	CFC-11	2,000 (LTHA)	mg/L	LTHA units are milligrams per liter.	--
50282	Age-dating related analytes	Organics, Other	Dichlorodifluoromethane, for age dating, water, unfiltered, recoverable, picograms per kilogram	75-71-8	CFC-12	1 (LTHA)	mg/L	LTHA units are milligrams per liter.	--
50283	Age-dating related analytes	Organics, Other	1,1,2-Trichloro-1,2,2-trifluoroethane, for age dating, water, unfiltered, recoverable, picograms per kilogram	76-13-1	CFC-113	--			--
50355	Pesticides and Pesticide degradates	Organics, Pesticide	2-Hydroxy-4-isopropylamino-6-ethylamino-s-triazine, water, filtered, recoverable, micrograms per liter	2163-68-0	1,3,5-Triazin-2(1H)-one, 4-(ethylamino)-6-[(1-methylethyl)amino]-	--			--

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50374	Pesticides and Pesticide degradates	Organics, Pesticide	Diuron, water, filtered, recoverable, micrograms per liter	330-54-1	Diuron	200 (10^{-4} CR)	ug/L		--
61029	Pesticides and Pesticide degradates	Organics, Pesticide	Acetochlor sulfonic acid, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter	187022-11-3		--			--
61030	Pesticides and Pesticide degradates	Organics, Pesticide	Acetochlor oxanilic acid, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter	194992-44-4		--			--
61031	Pesticides and Pesticide degradates	Organics, Pesticide	Alachlor oxanilic acid, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter	171262-17-2		--			--
61043	Pesticides and Pesticide degradates	Organics, Pesticide	Metolachlor sulfonic acid, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter	171118-09-5		--			--
61044	Pesticides and Pesticide degradates	Organics, Pesticide	Metolachlor oxanilic acid, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter	152019-73-3		--			--
61588	Pesticides and Pesticide degradates	Organics, Pesticide	Dimethenamid, water, filtered, recoverable, micrograms per liter	87674-68-8	Dimethenamid	--			--
61709	Pesticides and Pesticide degradates	Organics, Pesticide	Cyanazine amide, water, filtered, recoverable, micrograms per liter	36576-42-8		--			--
61745	Pesticides and Pesticide degradates	Organics, Pesticide	Cyanazine acid, water, filtered, recoverable, micrograms per liter	36576-43-9		--			--
61749	Pesticides and Pesticide degradates	Organics, Pesticide	Deethylcyanazine, water, filtered, recoverable, micrograms per liter	21725-40-6		--			--
61750	Pesticides and Pesticide degradates	Organics, Pesticide	Deethylcyanazine acid, water, filtered, recoverable, micrograms per liter	36749-35-6		--			--
61751	Pesticides and Pesticide degradates	Organics, Pesticide	Deethylcyanazine amide, water, filtered, recoverable, micrograms per liter	36556-77-1		--			--
61755	Pesticides and Pesticide degradates	Organics, Pesticide	Demethyl fluometuron, water, filtered, recoverable, micrograms per liter	3032-40-4		--			--
61951	Pesticides and Pesticide degradates	Organics, Pesticide	Dimethenamid sulfonic acid, water, filtered, recoverable, micrograms per liter	205939-58-8		--			--
61952	Pesticides and Pesticide degradates	Organics, Pesticide	Flufenacet sulfonic acid, water, filtered, recoverable, micrograms per liter	201668-32-8		--			--
62225	Explosive compounds	Organics, Other	Pentaerythritol tetranitrate, water, unfiltered, recoverable, micrograms per liter	78-11-5	Pentaerythritol tetranitrate	--			--
62226	Explosive compounds	Organics, Other	Tetryl, water, unfiltered, recoverable, micrograms per liter	479-45-8	Tetryl	--			--

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62481	Pesticides and Pesticide degradates	Organics, Pesticide	Flufenacet, water, filtered, recoverable, micrograms per liter	142459-58-3	Flufenacet	--			--
62482	Pesticides and Pesticide degradates	Organics, Pesticide	Dimethenamid oxanilic acid, water, filtered, recoverable, micrograms per liter			--			--
62483	Pesticides and Pesticide degradates	Organics, Pesticide	Flufenacet oxanilic acid, water, filtered, recoverable, micrograms per liter	201668-31-7		--			--
62676	Pesticides and Pesticide degradates	Organics, Pesticide	2-Hydroxy-4-isopropylamino-6-amino-s-triazine, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter	19988-24-0		--			--
62678	Pesticides and Pesticide degradates	Organics, Pesticide	2-Hydroxy-6-ethylamino-4-amino-s-triazine, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter	7313-54-4		--			--
62766	Pesticides and Pesticide degradates	Organics, Pesticide	Propachlor sulfonic acid, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter	947601-88-9		--			--
62767	Pesticides and Pesticide degradates	Organics, Pesticide	Propachlor oxanilic acid, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter	70628-36-3		--			--
62847	Pesticides and Pesticide degradates	Organics, Pesticide	Acetochlor sulfynilacetic acid, water, filtered, recoverable, micrograms per liter	618113-86-3		--			--
62848	Pesticides and Pesticide degradates	Organics, Pesticide	Alachlor sulfynilacetic acid, water, filtered, recoverable, micrograms per liter	494847-39-1		--			--
62849	Pesticides and Pesticide degradates	Organics, Pesticide	sec-Alachlor sulfonic acid, water, filtered, recoverable, micrograms per liter			--			--
62850	Pesticides and Pesticide degradates	Organics, Pesticide	2-[(2-Ethyl-6-methylphenyl)amino]-2-oxoethanesulfonic acid, water, filtered, recoverable, micrograms per liter	446027-17-4		--			--
62971	Dissolved gases	Inorganics, Major, Non-metals	Dissolved oxygen, water, unfiltered, lab, milligrams per liter	7782-44-7	Oxygen	--			--
63041	Stable isotopes	Stable Isotopes	delta Oxygen-18 in nitrate fraction, water, filtered, per mil	14797-71-8	Oxygen-18/Oxygen-16 ratio	--			--
63150	Stable isotopes	Stable Isotopes	delta Nitrogen-15, dissolved gas, per mil		Nitrogen-15/14 ratio	--			--
63154	Pesticides and Pesticide degradates	Organics, Pesticide	Hydroxysimazine, water, filtered, recoverable, micrograms per liter	2599-11-3	1,3,5-Triazin-2(1H)-one, 4,6-bis(ethylamino)-	--			--

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63676	Field measurement	Physical	Turbidity, water, unfiltered, broad band light source (400-680 nm), detectors at multiple angles including 90 +-30 degrees, ratiometric correction, NTRU			--			--
63777	Pesticides and Pesticide degradates	Organics, Pesticide	Dechloroalachlor, water, filtered, recoverable, micrograms per liter	74886-79-6		--			--
63778	Pesticides and Pesticide degradates	Organics, Pesticide	Dechloroacetochlor, water, filtered, recoverable, micrograms per liter	162102-65-0		--			--
63779	Pesticides and Pesticide degradates	Organics, Pesticide	Dechlorodimethenamid, water, filtered, recoverable, micrograms per liter	864182-54-7		--			--
63780	Pesticides and Pesticide degradates	Organics, Pesticide	Dechlorometolachlor, water, filtered, recoverable, micrograms per liter	126605-22-9		--			--
63781	Pesticides and Pesticide degradates	Organics, Other	2-Chloro-2',6'-diethylacetanilide, water, filtered, recoverable, micrograms per liter	6967-29-9		--			--
63782	Pesticides and Pesticide degradates	Organics, Other	2-Chloro-N-(2-ethyl-6-methylphenyl)acetamide, water, filtered, recoverable, micrograms per liter	32428-71-0		--			--
63783	Pesticides and Pesticide degradates	Organics, Pesticide	Hydroxyalachlor, water, filtered, recoverable, micrograms per liter	56681-55-1		--			--
63784	Pesticides and Pesticide degradates	Organics, Pesticide	Hydroxyacetochlor, water, filtered, recoverable, micrograms per liter	60090-47-3		--			--
63785	Pesticides and Pesticide degradates	Organics, Pesticide	Hydroxymetolachlor, water, filtered, recoverable, micrograms per liter	131068-72-9		--			--
64045	Pesticides and Pesticide degradates	Organics, Pesticide	Hydroxydimethenamid, water, filtered, recoverable, micrograms per liter			--			--
71890	Trace Elements	Inorganics, Minor, Metals	Mercury, water, filtered, micrograms per liter	7439-97-6	Mercury	2 (MCL)	ug/L		2
72019	Field measurement	Physical	Depth to water level, feet below land surface		Depth to water level below land surface	--			--
73547	Volatile organic compounds	Organics, Other	trans-1,4-Dichloro-2-butene, water, unfiltered, recoverable, micrograms per liter	110-57-6	trans-1,4-Dichloro-2-butene	--			--
73570	Volatile organic compounds	Organics, Other	Ethyl methacrylate, water, unfiltered, recoverable, micrograms per liter	97-63-2	Ethyl methacrylate	--			--
73653	Explosive compounds	Organics, Other	1,3,5-Trinitrobenzene, water, unfiltered, recoverable, micrograms per liter	99-35-4	1,3,5-Trinitrobenzene	--			--
76987	Explosive compounds	Organics, Other	4-Amino-2,6-dinitrotoluene, water, unfiltered, recoverable, micrograms per liter	19406-51-0	4-Amino-2,6-dinitrotoluene	5 (10^{-4} CR)	ug/L	The drinking water standard is for total concentration of 2-Amino-4,6-dinitrotoluene and 4-Amino-2,6-dinitrotoluene.	--

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76988	Explosive compounds	Organics, Other	2-Amino-4,6-dinitrotoluene, water, unfiltered, recoverable, micrograms per liter	35572-78-2	2-Amino-4,6-dinitrotoluene	5 (10^{-4} CR)	ug/L	The drinking water standard is for total concentration of 2-Amino-4,6-dinitrotoluene and 4-Amino-2,6-dinitrotoluene.	--
77041	Volatile organic compounds	Organics, Pesticide	Carbon disulfide, water, unfiltered, micrograms per liter	75-15-0	Carbon disulfide	--			--
77093	Volatile organic compounds	Organics, Other	cis-1,2-Dichloroethene, water, unfiltered, recoverable, micrograms per liter	156-59-2	cis-1,2-Dichloroethylene	70 (MCL)	ug/L		70
77103	Volatile organic compounds	Organics, Other	n-Butyl methyl ketone, water, unfiltered, recoverable, micrograms per liter	591-78-6	2-Hexanone	--			--
77128	Volatile organic compounds	Organics, Other	Styrene, water, unfiltered, recoverable, micrograms per liter	100-42-5	Styrene	100 (MCL)	ug/L		100
77135	Volatile organic compounds	Organics, Other	o-Xylene, water, unfiltered, recoverable, micrograms per liter	95-47-6	o-Xylene	10,000 (MCL)	ug/L	MCL is the sum of meta-, para , and o-xylene concentrations.	10,000
77168	Volatile organic compounds	Organics, Other	1,1-Dichloropropene, water, unfiltered, recoverable, micrograms per liter	563-58-6	1,1-Dichloropropene	--			--
77170	Volatile organic compounds	Organics, Other	2,2-Dichloropropane, water, unfiltered, recoverable, micrograms per liter	594-20-7	2,2-Dichloropropane	--			--
77173	Volatile organic compounds	Organics, Pesticide	1,3-Dichloropropane, water, unfiltered, recoverable, micrograms per liter	142-28-9	1,3-Dichloropropane	--			--
77220	Volatile organic compounds	Organics, Other	2-Ethyltoluene, water, unfiltered, recoverable, micrograms per liter	611-14-3	o-Ethyltoluene	--			--
77221	Volatile organic compounds	Organics, Other	1,2,3-Trimethylbenzene, water, unfiltered, recoverable, micrograms per liter	526-73-8	1,2,3-Trimethylbenzene	--			--
77222	Volatile organic compounds	Organics, Other	1,2,4-Trimethylbenzene, water, unfiltered, recoverable, micrograms per liter	95-63-6	1,2,4-Trimethylbenzene	--			--
77223	Volatile organic compounds	Organics, Other	Isopropylbenzene, water, unfiltered, recoverable, micrograms per liter	98-82-8	Cumene	4 (DWEL)	ug/L		--
77224	Volatile organic compounds	Organics, Other	n-Propylbenzene, water, unfiltered, recoverable, micrograms per liter	103-65-1	n-Propylbenzene	--			--
77226	Volatile organic compounds	Organics, Other	1,3,5-Trimethylbenzene, water, unfiltered, recoverable, micrograms per liter	108-67-8	1,3,5-Trimethylbenzene	--			--
77275	Volatile organic compounds	Organics, Other	2-Chlorotoluene, water, unfiltered, recoverable, micrograms per liter	95-49-8	o-Chlorotoluene	100 (LTHA)	ug/L		--
77277	Volatile organic compounds	Organics, Other	4-Chlorotoluene, water, unfiltered, recoverable, micrograms per liter	106-43-4	p-Chlorotoluene	100 (LTHA)	ug/L		--
77297	Volatile organic compounds	Organics, Other	Bromochloromethane, water, unfiltered, recoverable, micrograms per liter	74-97-5	Halon 1011	90 (LTHA)	ug/L		--

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USGS Parameter Code	Parameter Group, in USGS Scientific Investigations Report SIR 2012-5036	USGS NWIS Parameter Group Name	USGS Parameter Name	CAS Registry Number® (CASRN); verify CASRNs at http://www.cas.org/index.html	USEPA Substance Registry Name (SRSName)	USEPA Drinking-water Standards			Nebraska Title-118 Standard (units same as USEPA standard)
						Standard value(s) (type of standard)	Standard unit	Comment related to standard	
77342	Volatile organic compounds	Organics, Other	n-Butylbenzene, water, unfiltered, recoverable, micrograms per liter	104-51-8	n-Butylbenzene	--			--
77350	Volatile organic compounds	Organics, Other	sec-Butylbenzene, water, unfiltered, recoverable, micrograms per liter	135-98-8	sec-Butylbenzene	--			--
77353	Volatile organic compounds	Organics, Other	tert-Butylbenzene, water, unfiltered, recoverable, micrograms per liter	98-06-6	tert-Butylbenzene	--			--
77356	Volatile organic compounds	Organics, Other	4-Isopropyltoluene, water, unfiltered, recoverable, micrograms per liter	99-87-6	p-Cymene	--			--
77394	Explosive compounds	Organics, Other	2-Nitrotoluene, water, unfiltered, recoverable, micrograms per liter	88-72-2	o-Nitrotoluene	--			--
77395	Explosive compounds	Organics, Other	4-Nitrotoluene, water, unfiltered, recoverable, micrograms per liter	99-99-0	p-Nitrotoluene	--			--
77424	Volatile organic compounds	Organics, Pesticide	Iodomethane, water, unfiltered, recoverable, micrograms per liter	74-88-4	Methyl iodide	--			--
77443	Volatile organic compounds	Organics, Pesticide	1,2,3-Trichloropropane, water, unfiltered, recoverable, micrograms per liter	96-18-4	1,2,3-Trichloropropane	100 (DWEL)	ug/L		--
77562	Volatile organic compounds	Organics, Other	1,1,1,2-Tetrachloroethane, water, unfiltered, recoverable, micrograms per liter	630-20-6	1,1,1,2-Tetrachloroethane	70 (LTHA)	ug/L		--
77613	Volatile organic compounds	Organics, Other	1,2,3-Trichlorobenzene, water, unfiltered, recoverable, micrograms per liter	87-61-6	1,2,3-Trichlorobenzene	--			--
77651	Volatile organic compounds	Organics, Pesticide	1,2-Dibromoethane, water, unfiltered, recoverable, micrograms per liter	106-93-4	Ethylene dibromide	0.05 (MCL)	ug/L		0.05
77652	Volatile organic compounds	Organics, Other	1,1,2-Trichloro-1,2,2-trifluoroethane, water, unfiltered, recoverable, micrograms per liter	76-13-1	CFC-113	--			--
77758	Explosive compounds	Organics, Other	Nitroglycerin, water, unfiltered, recoverable, micrograms per liter	55-63-0	Nitroglycerin	5 (LTHA)	ug/L		--
78032	Volatile organic compounds	Organics, Other	Methyl tert-butyl ether, water, unfiltered, recoverable, micrograms per liter	1634-04-4	Methyl tert-butyl ether	--			--
78109	Volatile organic compounds	Organics, Pesticide	3-Chloropropene, water, unfiltered, recoverable, micrograms per liter	107-05-1	Allyl chloride	--			--
78133	Volatile organic compounds	Organics, Other	Isobutyl methyl ketone, water, unfiltered, recoverable, micrograms per liter	108-10-1	Methyl isobutyl ketone	--			--
81360	Explosive compounds	Organics, Other	TNT, water, unfiltered, recoverable, micrograms per liter	118-96-7	Trinitrotoluene	2 (LTHA)	ug/L		--
81364	Explosive compounds	Organics, Other	RDX, water, unfiltered, recoverable, micrograms per liter	121-82-4	Cyclonite	2 (LTHA)	ug/L		--
81552	Volatile organic compounds	Organics, Other	Acetone, water, unfiltered, recoverable, micrograms per liter	67-64-1	Acetone	--			--

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81555	Volatile organic compounds	Organics, Other	Bromobenzene, water, unfiltered, recoverable, micrograms per liter	108-86-1	Bromobenzene	70 (LTHA)	ug/L		--
81576	Volatile organic compounds	Organics, Other	Diethyl ether, water, unfiltered, recoverable, micrograms per liter	60-29-7	Ethyl ether	--			--
81577	Volatile organic compounds	Organics, Other	Diisopropyl ether, water, unfiltered, recoverable, micrograms per liter	108-20-3	Isopropyl ether	--			--
81593	Volatile organic compounds	Organics, Other	Methyl acrylonitrile, water, unfiltered, recoverable, micrograms per liter	126-98-7	Methacrylonitrile	--			--
81595	Volatile organic compounds	Organics, Other	Ethyl methyl ketone, water, unfiltered, recoverable, micrograms per liter	78-93-3	Methyl ethyl ketone	4,000 (LTHA)	ug/L		--
81597	Volatile organic compounds	Organics, Other	Methyl methacrylate, water, unfiltered, recoverable, micrograms per liter	80-62-6	Methyl methacrylate	--			--
81607	Volatile organic compounds	Organics, Other	Tetrahydrofuran, water, unfiltered, recoverable, micrograms per liter	109-99-9	Tetrahydrofuran	--			--
82043	Dissolved gases	Inorganics, Minor, Non-metals	Argon, water, unfiltered, milligrams per liter	7440-37-1	Argon	--			--
82203	Explosive compounds	Organics, Other	HMX, water, unfiltered, recoverable, micrograms per liter	2691-41-0	Cyclotetramethylenetetranitramine	400 (LTHA)	ug/L		--
82303	Radionuclides	Radiochemical	Radon-222, water, unfiltered, picocuries per liter	14859-67-7	Radon-222	300 (MCL) and 4,000 (proposed AMCL)	pCi/L		Reserved
82625	Volatile organic compounds	Organics, Pesticide	1,2-Dibromo-3-chloropropane, water, unfiltered, recoverable, micrograms per liter	96-12-8	1,2-Dibromo-3-chloropropane	0.2 (MCL)	ug/L		0.2
82630	Pesticides and Pesticide degradates	Organics, Pesticide	Metribuzin, water, filtered, recoverable, micrograms per liter	21087-64-9	Metribuzin	70 (LTHA)	ug/L		--
82683	Pesticides and Pesticide degradates	Organics, Pesticide	Pendimethalin, water, filtered (0.7 micron glass fiber filter), recoverable, micrograms per liter	40487-42-1	Pendimethalin	--			--
82690	Stable isotopes	Stable Isotopes	delta Nitrogen-15 in nitrate fraction, water, filtered, per mil		Nitrogen-15/14 ratio	--			--
82694	Pesticides and Pesticide degradates	Organics, Pesticide	Metolachlor, water, filtered (0.7 micron glass fiber filter), enzyme-linked immunosorbent assay, recoverable, micrograms per liter	51218-45-2	Metolachlor	--			--
85574	Dissolved gases	Organics, Other	Methane, water, unfiltered, recoverable, milligrams per liter	74-82-8	Methane	--			--
85795	Volatile organic compounds	Organics, Other	m-Xylene plus p-xylene, water, unfiltered, recoverable, micrograms per liter	179601-23-1	Benzene, 1,3(and 1,4)-dimethyl- Chemical m(and p)-xylene	10,000 (MCL)	ug/L	MCL is the sum of meta-, para , and o-xylene.	10,000

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90410	Major Ions	Inorganics, Major, Non-metals	Acid neutralizing capacity, water, unfiltered, fixed endpoint (pH 4.5) titration, laboratory, milligrams per liter as calcium carbonate		Alkalinity	--			--