

Data Presentation: Nonradiological Groundwater Data, Jefferson Proving Ground, Madison, Indiana

Parameter	Location ID Sample ID Sample Type Depth (ft.) Sample Date	Units	Reporting Limit	Kd Groundwater Spr2012 SAIC01 WELL 20.0 03/29/2012	MW-RS-1 SAIC09 WELL 10.5 04/08/2008	MW-RS-1 SAIC09F WELL 10.5 04/08/2008	MW-RS-1 SAIC10 WELL 14.9 07/27/2008	MW-RS-1 SAIC10F WELL 14.9 07/27/2008	MW-RS-1 SAIC11 WELL 13.3 10/10/2008	MW-RS-1 SAIC11D WELL 13.3 10/10/2008	MW-RS-1 SAIC11DF WELL 13.3 10/10/2008	MW-RS-1 SAIC11F WELL 13.3 10/10/2008	MW-RS-1 SAIC12 WELL 14.8 02/15/2009	MW-RS-1 SAIC12F WELL 14.8 02/15/2009
Alkalinity														
Alkalinity	mg/L	1	329	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			N/A	390	N/A	N/A	400	N/A	360	350	N/A	N/A	410	N/A
Anions														
Chloride	mg/L		8.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Nitrate	mg/L		0.016 U	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Sulfate	mg/L		51.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Common Anions														
Chloride	mg/l	0.1	N/A	4 J	4.1	2.8	2.8	2	2	2	2	3.5	3.4	
Nitrate	mg/l	0.1	N/A	0.1 U	0.1 UJ	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	
Sulfate	mg/l	0.1	N/A	22	23	14	15	12	12	13	13	20	20	
Metals														
Aluminum	µg/L		2380	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		200	N/A	26.7 U	26.7 U	56.2 J	35 U	35 U	35 U	35 U	35 U	412 J	44 J	
Calcium	µg/L		86800	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		1000	N/A	76100	73500	72300	70600	69700 J	77600 J	67300 J	66300 J	126000	80800	
Iron	µg/L		2360	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		150	N/A	270	219	243	221	337	475	227	235	1610	377	
Magnesium	µg/L		27500	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		250	N/A	42800	41500	41000	39600	40100 J	44300 J	38700 J	38200 J	73200	47800	
Manganese	µg/L		167	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		5	N/A	291	276	285	274	243 J	266 J	240 J	240 J	354	223	
Potassium	µg/L		1070	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		250	N/A	699	683	292 J	250 UJ	662	751	735	621	797	572	
Silicon	µg/L		16400	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		50	N/A	5490	5270	6250 J	6260 J	6020 J	5860 J	5690 J	6190 J	7220 J	5630 J	
Sodium	µg/L		25800	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		2500	N/A	28500	27900	23600	22900	21100 J	21100 J	21200 J	20900 J	28300	29200	
TOC														
Total Organic Carbon	mg/L		1.1 J	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		1	N/A	2.1	2	3.1	2.6	2.4	2.3	2.1	2.1	1.6	1.7	
Total Carbon														
Total Carbon	mg/L		NF	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total Inorganic Carbon														
Total Inorganic Carbon	mg/L		79.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

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Location ID Sample ID Sample Type Depth (ft.) Parameter Sample Date	MW-RS-2 SAIC09 WELL 22.7 04/08/2008	MW-RS-2 SAIC09D WELL 22.7 04/08/2008	MW-RS-2 SAIC09DF WELL 22.7 04/08/2008	MW-RS-2 SAIC09F WELL 22.7 04/08/2008	MW-RS-2 SAIC10 WELL 25.0 07/28/2008	MW-RS-2 SAIC10D WELL 25.0 07/28/2008	MW-RS-2 SAIC10DF WELL 25.0 07/28/2008	MW-RS-2 SAIC10F WELL 25.0 07/28/2008	MW-RS-2 SAIC11 WELL 26.1 10/10/2008	MW-RS-2 SAIC11D WELL 26.1 10/10/2008	MW-RS-2 SAIC11DF WELL 26.1 10/10/2008	MW-RS-2 SAIC11F WELL 26.1 10/10/2008	MW-RS-2 SAIC12 WELL 27.0 02/16/2009	MW-RS-2 SAIC12F WELL 27.0 02/16/2009
Alkalinity														
Alkalinity	N/A 170	N/A 170	N/A N/A	N/A N/A	N/A 180	N/A 180	N/A N/A	N/A N/A	N/A 180	N/A 170	N/A N/A	N/A N/A	N/A 170	N/A N/A
Anions														
Chloride	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Nitrate	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Sulfate	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Common Anions														
Chloride	1.2	1.2	1.2	1.3	0.76	0.75	0.74	0.76	0.86	0.82	0.82	0.94	0.87	0.82
Nitrate	0.18 J	0.15	0.1 J	0.1 UJ	0.1 U	0.1	0.1 U	0.1 U	0.34	0.13	0.13	0.13	0.14	0.14
Sulfate	27	26	26	26	26	24	25	25	26	26	26	28	26	26
Metals														
Aluminum	N/A 26.7 U	N/A 31.6 J	N/A 26.7 U	N/A 91.3 J	N/A 55.2 J	N/A 49.2 J	N/A 35 U	N/A 35 U	N/A 229	N/A 35 U	N/A 35 U	N/A 35 U	N/A 93.2 J	N/A 36 UN
Calcium	N/A 36000	N/A 36100	N/A 36700	N/A 35900	N/A 36900	N/A 35000	N/A 35200	N/A 34600	N/A 35500 J	N/A 34700 J	N/A 34600 J	N/A 34800 J	N/A 35800	N/A 35800
Iron	N/A 159	N/A 173	N/A 210	N/A 1100	N/A 122 J	N/A 150 U	N/A 150 U	N/A 150 U	N/A 890	N/A 150 U	N/A 150 U	N/A 8.2 U	N/A 125 J	N/A 27 U
Magnesium	N/A 16800	N/A 16900	N/A 17100	N/A 16700	N/A 17000	N/A 16100	N/A 16300	N/A 15900	N/A 16800 J	N/A 16300 J	N/A 16200 J	N/A 16300 J	N/A 17400	N/A 17400
Manganese	N/A 6.2	N/A 6.8	N/A 6.9	N/A 13.4	N/A 7.1	N/A 1.9 J	N/A 1.6 J	N/A 1.3 J	N/A 3.9 J	N/A 1.9 J	N/A 1.7 U	N/A 5 U	N/A 2.2 J	N/A 0.47 J
Potassium	N/A 314	N/A 330	N/A 323	N/A 339	N/A 250 UJ	N/A 250 UJ	N/A 250 UJ	N/A 250 UJ	N/A 373	N/A 452	N/A 386	N/A 352	N/A 374	N/A 278
Silicon	N/A 8010	N/A 8050	N/A 7700	N/A 8000	N/A 7730 J	N/A 8250 J	N/A 7060 J	N/A 7980 J	N/A 8570 J	N/A 6840 J	N/A 7780 J	N/A 8480 J	N/A 7470 J	N/A 8340 J
Sodium	N/A 21500	N/A 21800	N/A 22100	N/A 21700	N/A 20200	N/A 20200	N/A 20400	N/A 20500	N/A 21200 J	N/A 21000 J	N/A 20900 J	N/A 20900 J	N/A 23000	N/A 23400
TOC														
Total Organic Carbon	N/A 1 U	N/A 1 U	N/A 1 U	N/A 1 U	N/A 1 U	N/A 1 U	N/A 1 U	N/A 1 U	N/A 1 U	N/A 1 U	N/A 1 U	N/A 1 U	N/A 1 U	N/A 1 U
Total Carbon														
Total Carbon	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total Inorganic Carbon														
Total Inorganic Carbon	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

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	Location ID Sample ID Sample Type Depth (ft.) Parameter Sample Date	MW-RS-3 SAIC09 WELL 11.9 04/22/2008	MW-RS-3 SAIC09F WELL 11.9 04/22/2008	MW-RS-3 SAIC10 WELL 13.9 07/28/2008	MW-RS-3 SAIC10F WELL 13.9 07/28/2008	MW-RS-3 SAIC11 WELL 13.0 10/27/2008	MW-RS-3 SAIC11F WELL 13.0 10/27/2008	MW-RS-3 SAIC12 WELL 13.9 02/03/2009	MW-RS-3 SAIC12F WELL 13.9 02/03/2009	MW-RS-4 SAIC09 WELL 14.0 04/15/2008	MW-RS-4 SAIC09F WELL 14.0 04/15/2008	MW-RS-4 SAIC10 WELL 14.4 07/17/2008	MW-RS-4 SAIC10F WELL 14.4 07/17/2008	MW-RS-4 SAIC11 WELL 16.8 10/20/2008	MW-RS-4 SAIC11F WELL 16.8 10/20/2008
Alkalinity															
Alkalinity		N/A 350	N/A N/A	N/A 360	N/A N/A	N/A N/A	N/A N/A	N/A 290	N/A N/A	N/A 110	N/A N/A	N/A 210	N/A N/A	N/A 230	N/A N/A
Anions															
Chloride		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Nitrate		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Sulfate		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Common Anions															
Chloride		9.3	9.7	7.9	7.6	N/A	N/A	6.3	6.8	0.84	0.86	0.78	0.76	3.8	0.93
Nitrate		0.1 U	0.1 U	0.1 U	0.1 U	N/A	N/A	0.44	0.42	0.1 U	0.1 U	0.1 U	0.1 UJ	0.34	0.15
Sulfate		96	110	57	65	N/A	N/A	93	85	14	12	12	11	17	16
Metals															
Aluminum		N/A 200 U	N/A 26.7 U	N/A 67.6 J	N/A 35 U	N/A N/A	N/A N/A	N/A 550	N/A 36 U	N/A 416	N/A 26.7 U	N/A 796	N/A 35 U	N/A 10700	N/A 361
Calcium		N/A 69800	N/A 67700	N/A 65300	N/A 61300	N/A N/A	N/A N/A	N/A 56400	N/A 58000	N/A 39500	N/A 36800	N/A 61100 J	N/A 64400 J	N/A 111000	N/A 73500
Iron		N/A 432	N/A 275 U	N/A 502	N/A 457	N/A N/A	N/A N/A	N/A 684	N/A 35.9 J	N/A 638	N/A 15.4 U	N/A 1750	N/A 138 J	N/A 19100	N/A 735
Magnesium		N/A 27000	N/A 26300	N/A 24700	N/A 23100	N/A N/A	N/A N/A	N/A 21600	N/A 22800	N/A 7690	N/A 7180	N/A 11000 J	N/A 11300 J	N/A 29900	N/A 15300
Manganese		N/A 684	N/A 651	N/A 931	N/A 854	N/A N/A	N/A N/A	N/A 250	N/A 276	N/A 188	N/A 177	N/A 1570	N/A 1180	N/A 923	N/A 347
Potassium		N/A 262 U	N/A 250 U	N/A 250 UJ	N/A 250 UJ	N/A N/A	N/A N/A	N/A 332	N/A 178 J	N/A 545	N/A 464	N/A 612	N/A 529	N/A 1940	N/A 522
Silicon		N/A 11800 D	N/A 11100 D	N/A 13900 J	N/A 14200 J	N/A N/A	N/A N/A	N/A 12500	N/A 12500	N/A 7260	N/A 6730	N/A 7060	N/A 7890	N/A 13200	N/A 10200
Sodium		N/A 83100	N/A 80500	N/A 75000	N/A 74100	N/A N/A	N/A N/A	N/A 76000	N/A 73300	N/A 4800	N/A 4850	N/A 8670	N/A 7760	N/A 7980	N/A 8380
TOC															
Total Organic Carbon		N/A 3.8	N/A 4	N/A 2.9	N/A 3.3	N/A N/A	N/A N/A	N/A 2.9	N/A 2.9	N/A 1.2	N/A 1.1	N/A 1.4	N/A 1.4	N/A 5.1	N/A 1.8
Total Carbon															
Total Carbon		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total Inorganic Carbon															
Total Inorganic Carbon		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

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	Location ID Sample ID Sample Type Depth (ft.) Parameter Sample Date	MW-RS-4 SAIC12 WELL 16.4 02/04/2009	MW-RS-4 SAIC12D WELL 16.4 02/04/2009	MW-RS-4 SAIC12DF WELL 16.4 02/04/2009	MW-RS-4 SAIC12F WELL 16.4 02/04/2009	MW-RS-5 SAIC09 WELL 12.6 04/14/2008	MW-RS-5 SAIC09F WELL 12.6 04/14/2008	MW-RS-5 SAIC10 WELL 14.8 08/01/2008	MW-RS-5 SAIC10F WELL 14.8 08/01/2008	MW-RS-5 SAIC11 WELL 15.7 10/20/2008	MW-RS-5 SAIC11F WELL 15.7 10/20/2008	MW-RS-5 SAIC12 WELL 14.7 02/09/2009	MW-RS-5 SAIC12D WELL 14.7 02/09/2009	MW-RS-5 SAIC12DF WELL 14.7 02/09/2009	MW-RS-5 SAIC12F WELL 14.7 02/09/2009
Alkalinity															
Alkalinity		N/A 11	N/A 12	N/A N/A	N/A N/A	N/A 25	N/A N/A	N/A 73	N/A N/A	N/A 180	N/A N/A	N/A 15	N/A 15	N/A N/A	N/A N/A
Anions															
Chloride		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Nitrate		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Sulfate		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Common Anions															
Chloride		0.74	0.74	0.75	0.78	1.2	1	1	0.9	1.7	1.6	0.71	0.71	0.7	0.72
Nitrate		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.25	0.24	0.23	0.24	0.1 U	0.1 U	0.1 U	0.1 U
Sulfate		11	11	11	12	10	11	12	12	18	18	12	11	11	12
Metals															
Aluminum		N/A 479	N/A 318	N/A 36 U	N/A 36 U	N/A 2190 UJ	N/A 200 UJ	N/A 187 J	N/A 180 J	N/A 4090	N/A 4960	N/A 7870 N	N/A 7130 N	N/A 36 U	N/A 72.1 J
Calcium		N/A 7190	N/A 6910	N/A 6560	N/A 6560	N/A 9470	N/A 7770	N/A 19500	N/A 20500	N/A 55000	N/A 77100	N/A 6820	N/A 6930	N/A 6060	N/A 5480
Iron		N/A 812	N/A 173	N/A 27 U	N/A 27 U	N/A 2240 UJ	N/A 150 UJ	N/A 232	N/A 78.5 J	N/A 4050	N/A 8200	N/A 7140 N	N/A 6350 N	N/A 34.7 J	N/A 69.3 J
Magnesium		N/A 1290	N/A 1300	N/A 1200	N/A 1190	N/A 2480	N/A 1950	N/A 6410	N/A 6640	N/A 15500	N/A 45400	N/A 2430	N/A 2420	N/A 1630	N/A 1500
Manganese		N/A 21.1	N/A 17.4	N/A 15	N/A 13.8	N/A 132	N/A 87.5	N/A 127	N/A 165	N/A 247	N/A 1530	N/A 110	N/A 107	N/A 84.6	N/A 70.3
Potassium		N/A 181 J	N/A 290	N/A 205 J	N/A 176 J	N/A 1120	N/A 893	N/A 367	N/A 250 U	N/A 1010	N/A 748	N/A 1500	N/A 1490	N/A 948	N/A 958
Silicon		N/A 5480	N/A 5150	N/A 5040	N/A 5020	N/A 5900 J	N/A 3200 J	N/A 6570 N	N/A 8080 N	N/A 9380	N/A 17600	N/A 14700 ND	N/A 11200 N	N/A 2950	N/A 2820
Sodium		N/A 2160 J	N/A 2160 J	N/A 2070 J	N/A 2050 J	N/A 3970 U	N/A 3840 U	N/A 7260 E	N/A 7020 E	N/A 9750	N/A 269000	N/A 2530	N/A 2570	N/A 2640	N/A 2570
TOC															
Total Organic Carbon		N/A 1.3	N/A 1.3	N/A 1	N/A 1.2	N/A 7.5	N/A 3.6	N/A 1.6	N/A 1.5	N/A 6.4	N/A 1.8	N/A 4.1	N/A 3.6	N/A 3.7	N/A 3.2
Total Carbon															
Total Carbon		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total Inorganic Carbon															
Total Inorganic Carbon		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

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	Location ID Sample ID Sample Type Depth (ft.) Parameter Sample Date	MW-RS-6 SAIC09 WELL 14.0 04/14/2008	MW-RS-6 SAIC09F WELL 14.0 04/14/2008	MW-RS-6 SAIC10 WELL 14.8 07/15/2008	MW-RS-6 SAIC10F WELL 14.8 07/15/2008	MW-RS-6 SAIC11 WELL 16.5 10/14/2008	MW-RS-6 SAIC11D WELL 16.5 10/14/2008	MW-RS-6 SAIC11DF WELL 16.5 10/14/2008	MW-RS-6 SAIC11F WELL 16.5 10/14/2008	MW-RS-6 SAIC12 WELL 16.0 02/10/2009	MW-RS-6 SAIC12F WELL 16.0 02/10/2009	MW-RS-7 SAIC09 WELL 12.1 04/23/2008	MW-RS-7 SAIC09F WELL 12.1 04/23/2008	MW-RS-7 SAIC10 WELL 14.0 08/01/2008	MW-RS-7 SAIC10F WELL 14.0 08/01/2008
Alkalinity															
Alkalinity		N/A 370	N/A N/A	N/A 380	N/A N/A	N/A 360	N/A 360	N/A N/A	N/A N/A	N/A 15	N/A N/A	N/A 620	N/A N/A	N/A 650	N/A N/A
Anions															
Chloride		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Nitrate		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Sulfate		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Common Anions															
Chloride		16	16	11	12	11	11	11	11	0.27	1.3	86	90	71	74
Nitrate		0.1 U	0.1 U	0.1 U	0.1 U	0.26	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Sulfate		51	48	43	45 J	44	44	43	44	16	16	230	240	130	130
Metals															
Aluminum		N/A 575 UJ	N/A 200 UJ	N/A 346	N/A 200 U	N/A 96.2 J	N/A 35 U	N/A 35 U	N/A 35 U	N/A 1460	N/A 36 U	N/A 330	N/A 26.7 U	N/A 478	N/A 35 U
Calcium		N/A 68600	N/A 69600	N/A 68200	N/A 67900	N/A 66100	N/A 64400	N/A 65200	N/A 64200	N/A 7720	N/A 6460	N/A 60900	N/A 59600	N/A 67000	N/A 67600
Iron		N/A 921 UJ	N/A 15.4 UN	N/A 460 J	N/A 150 U	N/A 181	N/A 65.1 J	N/A 11.5 J	N/A 10.8 J	N/A 1120	N/A 63.9 J	N/A 892	N/A 303	N/A 1120	N/A 157
Magnesium		N/A 22400	N/A 21900	N/A 22400	N/A 22400	N/A 22600	N/A 22600	N/A 23100	N/A 22200	N/A 1320	N/A 964	N/A 44000	N/A 43200	N/A 41000	N/A 42100
Manganese		N/A 125	N/A 130	N/A 131	N/A 127	N/A 182 E	N/A 171 E	N/A 171 E	N/A 169 E	N/A 30.7	N/A 23.5	N/A 1170	N/A 1110	N/A 1250	N/A 1260
Potassium		N/A 552	N/A 465	N/A 280	N/A 369	N/A 401	N/A 380	N/A 473	N/A 384	N/A 464	N/A 241 J	N/A 284	N/A 216 J	N/A 250 U	N/A 250 U
Silicon		N/A 9660 J	N/A 9410 J	N/A 10300	N/A 9160	N/A 11400 NE	N/A 10200 NE	N/A 11300 NE	N/A 10900 NE	N/A 6960	N/A 5960	N/A 9960 D	N/A 9410	N/A 12400 N	N/A 11600 N
Sodium		N/A 73700	N/A 70800	N/A 77100	N/A 76500	N/A 71000	N/A 69700	N/A 70700	N/A 69100	N/A 5670	N/A 4390	N/A 277000	N/A 275000	N/A 207000 E	N/A 232000 E
TOC															
Total Organic Carbon		N/A 1.6	N/A 1.6	N/A 1.4	N/A 1.4	N/A 1.5	N/A 1.4	N/A 1.3	N/A 1.4	N/A 1.9	N/A 1.4	N/A 14	N/A 14	N/A 11	N/A 11
Total Carbon															
Total Carbon		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total Inorganic Carbon															
Total Inorganic Carbon		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Data Presentation: Nonradiological Groundwater Data, Jefferson Proving Ground, Madison, Indiana

	Location ID Sample ID Sample Type Depth (ft.) Parameter Sample Date	MW-RS-7 SAIC11 WELL 14.8 10/20/2008	MW-RS-7 SAIC11F WELL 14.8 10/20/2008	MW-RS-7 SAIC12 WELL 14.0 02/08/2009	MW-RS-7 SAIC12F WELL 14.0 02/08/2009	MW-RS-8 SAIC09 WELL 14.8 04/24/2008	MW-RS-8 SAIC09F WELL 14.8 04/24/2008	MW-RS-8 SAIC10 WELL 17.0 07/30/2008	MW-RS-8 SAIC10F WELL 17.0 07/30/2008	MW-RS-8 SAIC11 WELL 17.7 10/21/2008	MW-RS-8 SAIC11F WELL 17.7 10/21/2008	MW-RS-8 SAIC12 WELL 16.7 02/05/2009	MW-RS-8 SAIC12D WELL 16.7 02/05/2009	MW-RS-8 SAIC12DF WELL 16.7 02/05/2009	MW-RS-8 SAIC12F WELL 16.7 02/05/2009
Alkalinity															
Alkalinity		N/A 620	N/A N/A	N/A 650	N/A N/A	N/A 5	N/A N/A	N/A 47	N/A N/A	N/A 76	N/A N/A	N/A 2	N/A 5.9	N/A N/A	N/A N/A
Anions															
Chloride		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Nitrate		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Sulfate		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Common Anions															
Chloride		75	74	76	74	1.1	1.1	1.2	1.2	1.3	1.3	1.3	1.1	1.1	1.1
Nitrate		0.32	0.35	0.11	0.1 U	0.14	0.1 U	0.1 U	0.1 U	0.19	2.2	0.12	0.11	0.1 U	0.1 U
Sulfate		170	170	130	140	12	12	11	11	14	15	16	18	17	17
Metals															
Aluminum		N/A 20100	N/A 875	N/A 774	N/A 36 U	N/A 2690	N/A 200 U	N/A 474	N/A 84.6 J	N/A 5120 N	N/A 35 UN	N/A 1770	N/A 2580	N/A 1510	N/A 4910
Calcium		N/A 127000	N/A 50300	N/A 68800	N/A 66000	N/A 5490	N/A 4870	N/A 14000	N/A 79500	N/A 24400 D	N/A 12400	N/A 5300	N/A 5840	N/A 5340	N/A 5680
Iron		N/A 39200	N/A 960	N/A 1350	N/A 41.9 J	N/A 5200	N/A 150 U	N/A 6370	N/A 76.8 J	N/A 8180 ND	N/A 300 N	N/A 896	N/A 1980	N/A 916	N/A 3250
Magnesium		N/A 51900	N/A 13400	N/A 43300	N/A 43800	N/A 1390	N/A 1040	N/A 3570	N/A 24500	N/A 7670 D	N/A 3640	N/A 1580	N/A 1810	N/A 1540	N/A 1770
Manganese		N/A 2740	N/A 118	N/A 253	N/A 78.3	N/A 245	N/A 198	N/A 662	N/A 3.5 J	N/A 445	N/A 495	N/A 62.6	N/A 67	N/A 48.3	N/A 53
Potassium		N/A 1900	N/A 676	N/A 289	N/A 142 J	N/A 459	N/A 197 J	N/A 297 E	N/A 862 E	N/A 1010	N/A 511	N/A 327	N/A 341	N/A 266	N/A 566
Silicon		N/A 17700	N/A 6950	N/A 11700 N*	N/A 10000 N*	N/A 9970 J	N/A 7570 J	N/A 8190	N/A 4590	N/A 13700 N	N/A 7550 N	N/A 8610	N/A 10900	N/A 8020	N/A 14900
Sodium		N/A 264000	N/A 9880	N/A 220000	N/A 230000	N/A 3220 U	N/A 2640 U	N/A 2700	N/A 14200	N/A 3110	N/A 2770	N/A 3070	N/A 3550	N/A 3400	N/A 3790
TOC															
Total Organic Carbon		N/A 20	N/A 21	N/A 9.8	N/A 10	N/A 3	N/A 2.1	N/A 3.7	N/A 3.7	N/A 4.8	N/A 3.6	N/A 2.5	N/A 2.7	N/A 1.8	N/A 2.3
Total Carbon															
Total Carbon		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total Inorganic Carbon															
Total Inorganic Carbon		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Table X-X. Data Presentation: ?? Jefferson Proving Ground, Madison, Indiana

Lab	Qualifier	Description
EL		
	*	Duplicate analysis not within control limits.
	>	greater than
	B	Organics: Analyte was found in the associated method blank.
	D	Value is obtained from a diluted run.
	E	Metals: Serial dilution analysis not within control limits; Organics: Calibration range exceeded for this analyte
	J	Value is estimated or below the reporting limit but greater than the method detection limit.
	M	Matrix interference.
	N	Metals: Matrix spike recovery outside limits.
	P	There is greater than 40% relative percent difference for detected concentrations between the two GC columns for the associated target analyte.
	U	Compound was analyzed for but not detected.
	X	The associated initial calibration verification or continuing calibration verification was above the upper control limit
	Y	The associated initial calibration verification or continuing calibration verification was below the lower control limit.
	Z	A reported nondetect may be due to ICV or CCV low bias, potentially causing a lack of confirmation.