

Data Presentation: Nonradiological Data for Surface Water, Jefferson Proving Ground, Madison, Indiana

Location ID			JP-W-01	JP-W-01	JP-W-01	JP-W-01	JP-W-02	JP-W-02	JP-W-02	JP-W-02	JP-W-03
Sample ID	Units	Reporting Limit	SAIC09	SAIC09F	SAIC12	SAIC12F	SAIC09	SAIC09F	SAIC12	SAIC12F	SAIC09
Sample Type			CREK	CREK	CREK	CREK	CREK	CREK	CREK	CREK	CREK
Depth (ft.)			0	0	0	0	0	0	0	0	0
Parameter	Sample Date		4/13/2008	4/13/2008	2/9/2009	2/9/2009	4/23/2008	4/23/2008	2/6/2009	2/6/2009	4/22/2008

Alkalinity

Alkalinity	mg/l	1	68	N/A	83	N/A	120	N/A	94	N/A	99
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Common Anions

Chloride	mg/l	0.1	0.72	0.75	0.72	0.78	1.5	1.5	1.7	1.7	1.4
Nitrate	mg/l	0.1	0.1 U	0.1 U	0.17	0.17	0.1 U	0.1 U	0.13	0.12	0.1 UJ
Sulfate	mg/l	0.1	11	10	10	10	18	19	18	18	18

Metals

Aluminum	µg/l	200	163 J	36.2 J	240	36 U	47.7 J	26.7 U	159 J	36 U	280
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Location ID			JP-W-01	JP-W-01	JP-W-01	JP-W-01	JP-W-02	JP-W-02	JP-W-02	JP-W-02	JP-W-03
Sample ID	Units	Reporting Limit	SAIC09	SAIC09F	SAIC12	SAIC12F	SAIC09	SAIC09F	SAIC12	SAIC12F	SAIC09
Sample Type			CREK	CREK	CREK	CREK	CREK	CREK	CREK	CREK	CREK
Depth (ft.)			0	0	0	0	0	0	0	0	0
Parameter Sample Date			4/13/2008	4/13/2008	2/9/2009	2/9/2009	4/23/2008	4/23/2008	2/6/2009	2/6/2009	4/22/2008
Calcium	µg/l	1000	24000	23300	29500	30000	35000	34900	29900	29800	33300
Iron	µg/l	150	146 J	21.4 J	199	27 U	52.1 J	15.4 U	2000	27 U	305
Magnesium	µg/l	250	3980	3810	4460	4480	8700	8670	7830	7710	6220
Manganese	µg/l	5	2.5 J	0.56 J	4.1 J	1.7 J	1.1 J	0.4 J	8.5	0.55 J	11.7
Potassium	µg/l	250	447	430	492	444	494	474	489	537	583
Silicon	µg/l	50	3940	3730	3410	3360	4640	5000	3710 N*	3670 N*	5940
Sodium	µg/l	2500	1950 J	1990 J	1150 J	1190 J	2290 J	2390 J	1520 J	1490 J	3790 U

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Location ID			JP-W-01	JP-W-01	JP-W-01	JP-W-01	JP-W-02	JP-W-02	JP-W-02	JP-W-02	JP-W-03
Sample ID	Units	Reporting Limit	SAIC09	SAIC09F	SAIC12	SAIC12F	SAIC09	SAIC09F	SAIC12	SAIC12F	SAIC09
Sample Type			CREK	CREK	CREK	CREK	CREK	CREK	CREK	CREK	CREK
Depth (ft.)			0	0	0	0	0	0	0	0	0
Parameter Sample Date			4/13/2008	4/13/2008	2/9/2009	2/9/2009	4/23/2008	4/23/2008	2/6/2009	2/6/2009	4/22/2008

TOC

Total Organic Carbon	mg/l	1	1.5	1.5	1.9	2.1	1 U	1.2	1.5	1.4	1 U
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Location ID			JP-W-03	JP-W-03	JP-W-03	JP-W-04	JP-W-04	JP-W-04	JP-W-04	JP-W-04	JP-W-04
Sample ID	Units	Reporting Limit	SAIC09F	SAIC12	SAIC12F	SAIC09	SAIC09F	SAIC10	SAIC10F	SAIC11	SAIC11D
Sample Type			CREK	CREK	CREK	CREK	CREK	CREK	CREK	CREK	CREK
Depth (ft.)			0	0	0	0	0	0	0	0	0
Parameter	Sample Date		4/22/2008	2/5/2009	2/5/2009	4/25/2008	4/25/2008	7/17/2008	7/17/2008	10/21/2008	10/21/2008

Alkalinity

Alkalinity	mg/l	1	N/A	72	N/A	100	N/A	130	N/A	150	150
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Common Anions

Chloride	mg/l	0.1	1.3	1.3	1.3	5	5.1	8.8	9	8	8
Nitrate	mg/l	0.1	0.1 UJ	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 UJ	0.1 U	20
Sulfate	mg/l	0.1	18	18	18	13	13	7.9	8	3.5	3.6

Metals

Aluminum	µg/l	200	26.7 U	403	275	61.6 J	71.2 J	185 J	85.7 J	35 UN	35 UN
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Location ID			JP-W-03	JP-W-03	JP-W-03	JP-W-04	JP-W-04	JP-W-04	JP-W-04	JP-W-04	JP-W-04
Sample ID	Units	Reporting Limit	SAIC09F	SAIC12	SAIC12F	SAIC09	SAIC09F	SAIC10	SAIC10F	SAIC11	SAIC11D
Sample Type			CREK	CREK	CREK	CREK	CREK	CREK	CREK	CREK	CREK
Depth (ft.)			0	0	0	0	0	0	0	0	0
Parameter Sample Date			4/22/2008	2/5/2009	2/5/2009	4/25/2008	4/25/2008	7/17/2008	7/17/2008	10/21/2008	10/21/2008
Calcium	µg/l	1000	34100	24700	24600	33400	35000	38600 J	38100 J	22800	22800
Iron	µg/l	150	15.4 U	294	121 J	295	54.4 J	271	51.7 J	65.7 JN	85.5 JN
Magnesium	µg/l	250	6280	6960	6930	7900	8270	10100 J	9890 J	5280	5270
Manganese	µg/l	5	5 U	14	1 J	23.4	11.2	103	21.1	495	479
Potassium	µg/l	250	517	477	382	1480	1570	3710	3690	7210	7170
Silicon	µg/l	50	5320	3840	3990	1220 D	1190	842	907 U	2280 N	2430 N
Sodium	µg/l	2500	3870 U	2190 J	2180 J	4340	4510	5200	5190	5090	4590

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Location ID			JP-W-03	JP-W-03	JP-W-03	JP-W-04	JP-W-04	JP-W-04	JP-W-04	JP-W-04	JP-W-04
Sample ID	Units	Reporting Limit	SAIC09F	SAIC12	SAIC12F	SAIC09	SAIC09F	SAIC10	SAIC10F	SAIC11	SAIC11D
Sample Type			CREK	CREK	CREK	CREK	CREK	CREK	CREK	CREK	CREK
Depth (ft.)			0	0	0	0	0	0	0	0	0
Parameter Sample Date			4/22/2008	2/5/2009	2/5/2009	4/25/2008	4/25/2008	7/17/2008	7/17/2008	10/21/2008	10/21/2008

TOC											
Total Organic Carbon	mg/l	1	1 U	1.3	1.1	3.6	3.4	4.6	4.4	10	11

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Location ID			JP-W-04	JP-W-04	JP-W-04	JP-W-04	JP-W-05	JP-W-05	JP-W-05	JP-W-05
Sample ID	Units	Reporting Limit	SAIC11DF	SAIC11F	SAIC12	SAIC12F	SAIC09	SAIC09F	SAIC10	SAIC10F
Sample Type			CREK	CREK	CREK	CREK	CREK	CREK	CREK	CREK
Depth (ft.)			0	0	0	0	0	0	0	0
Parameter	Sample Date		10/21/2008	10/21/2008	2/6/2009	2/6/2009	4/23/2008	4/23/2008	7/16/2008	7/16/2008

Alkalinity

Alkalinity	mg/l	1	N/A	N/A	96	N/A	90	N/A	190	N/A
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Common Anions

Chloride	mg/l	0.1	8.1	8.1	28	28	2	2.1	3.1	3.1
Nitrate	mg/l	0.1	0.1 U	0.1 U	0.3	0.29	0.1 U	0.1 U	0.2	0.2
Sulfate	mg/l	0.1	3.5	3.6	21	21	17	15	13	15

Metals

Aluminum	µg/l	200	35 UN	35 UN	69.2 J	192 J	174 J	26.7 U	75.9 J	69.8 J
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Location ID			JP-W-04	JP-W-04	JP-W-04	JP-W-04	JP-W-05	JP-W-05	JP-W-05	JP-W-05
Sample ID	Units	Reporting Limit	SAIC11DF	SAIC11F	SAIC12	SAIC12F	SAIC09	SAIC09F	SAIC10	SAIC10F
Sample Type			CREK	CREK	CREK	CREK	CREK	CREK	CREK	CREK
Depth (ft.)			0	0	0	0	0	0	0	0
Parameter Sample Date			10/21/2008	10/21/2008	2/6/2009	2/6/2009	4/23/2008	4/23/2008	7/16/2008	7/16/2008
Calcium	µg/l	1000	22600	22500	35200	34900	26300	25500	53900	52300
Iron	µg/l	150	52.6 JN	57.1 JN	188	106 J	248	17.7 J	77.9 J	29.5 J
Magnesium	µg/l	250	5240	5210	8980	8900	8130	7860	15900	15100
Manganese	µg/l	5	446	438	22.8	20.9	46.2	4 J	50.8	34.1
Potassium	µg/l	250	7210	7160	1760	1840	694	623	996	897
Silicon	µg/l	50	2250 N	2300 N	2780 N*	2510 N*	5220	5270	6850	6100
Sodium	µg/l	2500	4550	4790	12700	12600	4190	3950	6780	6720

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Location ID			JP-W-04	JP-W-04	JP-W-04	JP-W-04	JP-W-05	JP-W-05	JP-W-05	JP-W-05
Sample ID	Units	Reporting Limit	SAIC11DF	SAIC11F	SAIC12	SAIC12F	SAIC09	SAIC09F	SAIC10	SAIC10F
Sample Type			CREK	CREK	CREK	CREK	CREK	CREK	CREK	CREK
Depth (ft.)			0	0	0	0	0	0	0	0
Parameter Sample Date			10/21/2008	10/21/2008	2/6/2009	2/6/2009	4/23/2008	4/23/2008	7/16/2008	7/16/2008

TOC

Total Organic Carbon	mg/l	1	10	10	3.7	4	1.8	1.8	1.4	1.6
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Location ID			JP-W-05	JP-W-05	JP-W-05	JP-W-05	JP-W-06	JP-W-06	JP-W-06	JP-W-06	JP-W-07
Sample ID	Units	Reporting Limit	SAIC11	SAIC11F	SAIC12	SAIC12F	SAIC09	SAIC09F	SAIC12	SAIC12F	SAIC09
Sample Type			CREK	CREK	CREK	CREK	CREK	CREK	CREK	CREK	CREK
Depth (ft.)			0	0	0	0	0	0	0	0	0
Parameter	Sample Date		10/21/2008	10/21/2008	2/6/2009	2/6/2009	4/24/2008	4/24/2008	2/6/2009	2/6/2009	4/25/2008

Alkalinity

Alkalinity	mg/l	1	210	N/A	65	N/A	100	N/A	92	N/A	100
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Common Anions

Chloride	mg/l	0.1	4.4	4.5	1.6	1.7	1.8	1.8	1.5	1.6	4.6
Nitrate	mg/l	0.1	0.1 U	0.1 U	0.1 U	0.1 U	0.15 J	0.16 J	0.12	0.28	0.1 U
Sulfate	mg/l	0.1	14	14	16	16	18	18	16	16	13

Metals

Aluminum	µg/l	200	35 UN	35 UN	307	36 U	200 U	26.7 U	115 J	36 U	75.8 J
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Location ID			JP-W-05	JP-W-05	JP-W-05	JP-W-05	JP-W-06	JP-W-06	JP-W-06	JP-W-06	JP-W-07
Sample ID	Units	Reporting Limit	SAIC11	SAIC11F	SAIC12	SAIC12F	SAIC09	SAIC09F	SAIC12	SAIC12F	SAIC09
Sample Type			CREK	CREK	CREK	CREK	CREK	CREK	CREK	CREK	CREK
Depth (ft.)			0	0	0	0	0	0	0	0	0
Parameter Sample Date			10/21/2008	10/21/2008	2/6/2009	2/6/2009	4/24/2008	4/24/2008	2/6/2009	2/6/2009	4/25/2008
Calcium	µg/l	1000	30100	30800	20400	20400	29000	29600	26400	25500	33700
Iron	µg/l	150	35 JN	15.4 UN	299	27 U	150 U	150 U	70.6 J	27 U	134 J
Magnesium	µg/l	250	9470	9700	6340	6330	9720	9920	9140	8980	7410
Manganese	µg/l	5	80.3	18.9	52.8	2.4 J	5 U	5 U	3.8 J	0.46 J	25.7
Potassium	µg/l	250	1630	1730	662	602	765	765	799	690	1290
Silicon	µg/l	50	6890 N	7240 N	5260 N*	3940 N*	4380 J	3550 J	3470 N*	3500 N*	1800
Sodium	µg/l	2500	10200	10500	2770	2950	2780 U	2580 U	2130 J	2040 J	4190

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Location ID			JP-W-05	JP-W-05	JP-W-05	JP-W-05	JP-W-06	JP-W-06	JP-W-06	JP-W-06	JP-W-07
Sample ID	Units	Reporting Limit	SAIC11	SAIC11F	SAIC12	SAIC12F	SAIC09	SAIC09F	SAIC12	SAIC12F	SAIC09
Sample Type			CREK	CREK	CREK	CREK	CREK	CREK	CREK	CREK	CREK
Depth (ft.)			0	0	0	0	0	0	0	0	0
Parameter	Sample Date		10/21/2008	10/21/2008	2/6/2009	2/6/2009	4/24/2008	4/24/2008	2/6/2009	2/6/2009	4/25/2008
TOC											
Total Organic Carbon	mg/l	1	4.9	3	2	2.1	1 U	1 U	1 U	1	3

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Location ID			JP-W-07	JP-W-07	JP-W-07	JP-W-07	JP-W-07	JP-W-07	JP-W-07	JP-W-08
Sample ID	Units	Reporting Limit	SAIC09F	SAIC10	SAIC10F	SAIC11	SAIC11F	SAIC12	SAIC12F	SAIC09
Sample Type			CREK	CREK	CREK	CREK	CREK	CREK	CREK	CREK
Depth (ft.)			0	0	0	0	0	0	0	0
Parameter	Sample Date		4/25/2008	7/20/2008	7/20/2008	10/12/2008	10/12/2008	2/10/2009	2/10/2009	4/22/2008

Alkalinity

Alkalinity	mg/l	1	N/A	140	N/A	150	N/A	40	N/A	100
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Common Anions

Chloride	mg/l	0.1	4.2	5.5	5.6	6.7	6.6	3.9	4	1.2
Nitrate	mg/l	0.1	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.29	0.29	0.1 UJ
Sulfate	mg/l	0.1	13	7.3	7.3	5.8	5.6	11	12	14

Metals

Aluminum	µg/l	200	26.7 U	214	35 U	35 U	44.2 J	501	132 J	1450
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Location ID			JP-W-07	JP-W-07	JP-W-07	JP-W-07	JP-W-07	JP-W-07	JP-W-07	JP-W-08
Sample ID	Units	Reporting Limit	SAIC09F	SAIC10	SAIC10F	SAIC11	SAIC11F	SAIC12	SAIC12F	SAIC09
Sample Type			CREK	CREK	CREK	CREK	CREK	CREK	CREK	CREK
Depth (ft.)			0	0	0	0	0	0	0	0
Parameter Sample Date			4/25/2008	7/20/2008	7/20/2008	10/12/2008	10/12/2008	2/10/2009	2/10/2009	4/22/2008
Calcium	µg/l	1000	33900	39500	39100	45600 E	45100 E	14000	14200	31900
Iron	µg/l	150	150	1400	8.2 U	77.8 J	20.5 J	478	155	1830
Magnesium	µg/l	250	7450	9240	9110	9370 E	9270 E	3430	3460	7710
Manganese	µg/l	5	17.4	61.4	3.2 J	67.8 E	14.7 E	30.2	24.8	95.7
Potassium	µg/l	250	1270	3020	3040	4300	4270	1410	1450	608
Silicon	µg/l	50	1720	883	646	1180	1050	3550	2860	5430
Sodium	µg/l	2500	4000	3720	3730	4020	4150	2480 J	2550	2500 U

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Location ID			JP-W-07	JP-W-07	JP-W-07	JP-W-07	JP-W-07	JP-W-07	JP-W-07	JP-W-08
Sample ID	Units	Reporting Limit	SAIC09F	SAIC10	SAIC10F	SAIC11	SAIC11F	SAIC12	SAIC12F	SAIC09
Sample Type			CREK	CREK	CREK	CREK	CREK	CREK	CREK	CREK
Depth (ft.)			0	0	0	0	0	0	0	0
Parameter Sample Date			4/25/2008	7/20/2008	7/20/2008	10/12/2008	10/12/2008	2/10/2009	2/10/2009	4/22/2008

TOC

Total Organic Carbon	mg/l	1	3	3.7	3.5	6.2	5.9	6.2	6	1 U
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Data Presentation: Nonradiological Data for Surface Water, Jefferson Proving Ground, Madison, Indiana

Location ID			JP-W-08	JP-W-08	JP-W-08	JP-W-09	JP-W-09	JP-W-09	JP-W-09	JP-W-09	JP-W-09
Sample ID	Units	Reporting Limit	SAIC09F	SAIC12	SAIC12F	SAIC09	SAIC09F	SAIC10	SAIC10F	SAIC11	SAIC11F
Sample Type			CREK	CREK	CREK	CREK	CREK	CREK	CREK	CREK	CREK
Depth (ft.)			0	0	0	0	0	0	0	0	0
Parameter	Sample Date		4/22/2008	2/4/2009	2/4/2009	4/24/2008	4/24/2008	7/21/2008	7/21/2008	10/8/2008	10/8/2008

Alkalinity

Alkalinity	mg/l	1	N/A	100	N/A	130	N/A	180	N/A	170	N/A
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Common Anions

Chloride	mg/l	0.1	1.2	2.3	1.4	1	1	0.72	0.73	1.7	1.9
Nitrate	mg/l	0.1	0.1 UJ	0.1 U	0.1 U	0.21 J	0.21 J	0.1 U	0.1 U	0.11	0.1 U
Sulfate	mg/l	0.1	14	13	13	13	13	11	11	8.4	6.8

Metals

Aluminum	µg/l	200	26.7 U	697	51.3 J	200 U	26.7 U	374	35 U	85.8 J	99.7 J
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Location ID			JP-W-08	JP-W-08	JP-W-08	JP-W-09	JP-W-09	JP-W-09	JP-W-09	JP-W-09	JP-W-09
Sample ID	Units	Reporting Limit	SAIC09F	SAIC12	SAIC12F	SAIC09	SAIC09F	SAIC10	SAIC10F	SAIC11	SAIC11F
Sample Type			CREK	CREK	CREK	CREK	CREK	CREK	CREK	CREK	CREK
Depth (ft.)			0	0	0	0	0	0	0	0	0
Parameter Sample Date			4/22/2008	2/4/2009	2/4/2009	4/24/2008	4/24/2008	7/21/2008	7/21/2008	10/8/2008	10/8/2008
Calcium	µg/l	1000	30200	31100	31000	43000	44400	59200	60800	59400	64400
Iron	µg/l	150	150 U	582	788	150 U	150 U	1180	8.2 U	574	645
Magnesium	µg/l	250	7030	7770	7710	6170	6400	8190	8370	9640	10500
Manganese	µg/l	5	5 U	16.5	15.2	5 U	5 U	24.7	20.5	1810	2950
Potassium	µg/l	250	391	546	405	627	629	434	484	6540	7650
Silicon	µg/l	50	4150	4910	3840	4580 J	4780 J	4280	4390	6230	6650
Sodium	µg/l	2500	2500 U	1620 J	1530 J	2500 U	2500 U	1480 J	1570 J	2990 E	3290 E

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Location ID			JP-W-08	JP-W-08	JP-W-08	JP-W-09	JP-W-09	JP-W-09	JP-W-09	JP-W-09	JP-W-09
Sample ID	Units	Reporting Limit	SAIC09F	SAIC12	SAIC12F	SAIC09	SAIC09F	SAIC10	SAIC10F	SAIC11	SAIC11F
Sample Type			CREK	CREK	CREK	CREK	CREK	CREK	CREK	CREK	CREK
Depth (ft.)			0	0	0	0	0	0	0	0	0
Parameter Sample Date			4/22/2008	2/4/2009	2/4/2009	4/24/2008	4/24/2008	7/21/2008	7/21/2008	10/8/2008	10/8/2008

TOC											
Total Organic Carbon	mg/l	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	19	20

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Location ID			JP-W-09	JP-W-09	JP-W-10	JP-W-10	JP-W-10	JP-W-10	JP-W-10	JP-W-10	JP-W-10	JP-W-11
Sample ID	Units	Reporting Limit	SAIC12	SAIC12F	SAIC09	SAIC09F	SAIC10	SAIC10F	SAIC12	SAIC12F	SAIC09	
Sample Type			CREK	CREK	CREK	CREK	CREK	CREK	CREK	CREK	CREK	CREK
Depth (ft.)			0	0	0	0	0	0	0	0	0	0
Parameter	Sample Date		2/9/2009	2/9/2009	4/25/2008	4/25/2008	7/16/2008	7/16/2008	2/9/2009	2/9/2009	4/23/2008	

Alkalinity

Alkalinity	mg/l	1	130	N/A	100	N/A	170	N/A	80	N/A	100	
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Common Anions

Chloride	mg/l	0.1	0.7	0.67	0.89	0.1 U	0.97	0.98	0.67	0.74	5.8	
Nitrate	mg/l	0.1	0.26	0.24	0.1 U	0.1 U	0.1 U	0.1 U	0.22	0.23	0.1 U	
Sulfate	mg/l	0.1	11	11	11	1 U	10	10	10	10	14	

Metals

Aluminum	µg/l	200	175 JN	36 UN	178 J	26.7 U	1810	55.9 J	285	36 UN	113 J	
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Data Presentation: Nonradiological Data for Surface Water, Jefferson Proving Ground, Madison, Indiana

Location ID			JP-W-09	JP-W-09	JP-W-10	JP-W-10	JP-W-10	JP-W-10	JP-W-10	JP-W-10	JP-W-11
Sample ID	Units	Reporting Limit	SAIC12	SAIC12F	SAIC09	SAIC09F	SAIC10	SAIC10F	SAIC12	SAIC12F	SAIC09
Sample Type			CREK	CREK	CREK	CREK	CREK	CREK	CREK	CREK	CREK
Depth (ft.)			0	0	0	0	0	0	0	0	0
Parameter	Sample Date		2/9/2009	2/9/2009	4/25/2008	4/25/2008	7/16/2008	7/16/2008	2/9/2009	2/9/2009	4/23/2008
Calcium	µg/l	1000	45500	45700	34500	34300	52000	51000	29600	30000	31100
Iron	µg/l	150	171 N	27 UN	83.8 J	17 J	2080	27.7 J	185	27 UN	158
Magnesium	µg/l	250	6060	6090	5440	5400	8300	7970	4350	4560	7240
Manganese	µg/l	5	4.7 J	4.7 J	5.1	0.71 J	268	530	6.6	1.3 J	20.8
Potassium	µg/l	250	609	600	557	509	747	674	551	491	1300
Silicon	µg/l	50	4330 N	4160 N	4520	4400	6110	4210	3910	3990 N	1740
Sodium	µg/l	2500	1030 J	1020 J	2190 J	2550	2330 J	2570	1140 J	1060 J	3940

Data Presentation: Nonradiological Data for Surface Water, Jefferson Proving Ground, Madison, Indiana

Location ID			JP-W-09	JP-W-09	JP-W-10	JP-W-10	JP-W-10	JP-W-10	JP-W-10	JP-W-10	JP-W-10	JP-W-11
Sample ID	Units	Reporting Limit	SAIC12	SAIC12F	SAIC09	SAIC09F	SAIC10	SAIC10F	SAIC12	SAIC12F	SAIC09	
Sample Type			CREK	CREK	CREK	CREK	CREK	CREK	CREK	CREK	CREK	CREK
Depth (ft.)			0	0	0	0	0	0	0	0	0	0
Parameter Sample Date			2/9/2009	2/9/2009	4/25/2008	4/25/2008	7/16/2008	7/16/2008	2/9/2009	2/9/2009	4/23/2008	

TOC

Total Organic Carbon	mg/l	1	1	1 U	1.4	1 U	1.9	1.1	1 U	1 U	3.4	
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Data Presentation: Nonradiological Data for Surface Water, Jefferson Proving Ground, Madison, Indiana

Location ID			JP-W-11	JP-W-11	JP-W-11	JP-W-11	JP-W-11	JP-W-11	JP-W-11	JP-W-11	JP-W-11
Sample ID	Units	Reporting Limit	SAIC09F	SAIC10	SAIC10F	SAIC11	SAIC11F	SAIC12	SAIC12D	SAIC12DF	SAIC12F
Sample Type			CREK	CREK	CREK	CREK	CREK	CREK	CREK	CREK	CREK
Depth (ft.)			0	0	0	0	0	0	0	0	0
Parameter	Sample Date		4/23/2008	7/17/2008	7/17/2008	10/8/2008	10/8/2008	2/10/2009	2/10/2009	2/10/2009	2/10/2009

Alkalinity

Alkalinity	mg/l	1	N/A	120	N/A	98	N/A	43	42	N/A	N/A
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Common Anions

Chloride	mg/l	0.1	5.8	8.3	8.2	7.2	7.2	5.1	5.1	5.1	5.2
Nitrate	mg/l	0.1	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.38	0.37	0.37	0.38
Sulfate	mg/l	0.1	14	8.9	6.8	4.8	4.8	12	12	12	12

Metals

Aluminum	µg/l	200	26.7 U	35 U	98.5 J	205	133 J	645	606	100 J	223
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Data Presentation: Nonradiological Data for Surface Water, Jefferson Proving Ground, Madison, Indiana

Location ID			JP-W-11	JP-W-11	JP-W-11	JP-W-11	JP-W-11	JP-W-11	JP-W-11	JP-W-11	JP-W-11
Sample ID	Units	Reporting Limit	SAIC09F	SAIC10	SAIC10F	SAIC11	SAIC11F	SAIC12	SAIC12D	SAIC12DF	SAIC12F
Sample Type			CREK	CREK	CREK	CREK	CREK	CREK	CREK	CREK	CREK
Depth (ft.)			0	0	0	0	0	0	0	0	0
Parameter Sample Date			4/23/2008	7/17/2008	7/17/2008	10/8/2008	10/8/2008	2/10/2009	2/10/2009	2/10/2009	2/10/2009
Calcium	µg/l	1000	30500	32800 J	33700 J	30600	30400	15700	15800	15500	15900
Iron	µg/l	150	69.5 J	16.5 J	131 J	128 J	37.7 J	488	527	118 J	100 J
Magnesium	µg/l	250	7090	9690 J	9870 J	8200	8230	3960	4030	3950	3990
Manganese	µg/l	5	11.4	73.9	181	89.4	21.7	32.2	34.8	25.3	23.8
Potassium	µg/l	250	1270	3720 D	3780 D	4700	4730	1910	1870	1800	1820
Silicon	µg/l	50	1490	1050	1250	1100	938	4350	3640	2950	3120
Sodium	µg/l	2500	3920	4880	4970	4090 E	4270 E	3160	3140	3100	3180

Data Presentation: Nonradiological Data for Surface Water, Jefferson Proving Ground, Madison, Indiana

Location ID			JP-W-11	JP-W-11	JP-W-11	JP-W-11	JP-W-11	JP-W-11	JP-W-11	JP-W-11	JP-W-11	JP-W-11
Sample ID	Units	Reporting Limit	SAIC09F	SAIC10	SAIC10F	SAIC11	SAIC11F	SAIC12	SAIC12D	SAIC12DF	SAIC12F	
Sample Type			CREK	CREK	CREK	CREK	CREK	CREK	CREK	CREK	CREK	CREK
Depth (ft.)			0	0	0	0	0	0	0	0	0	0
Parameter	Sample Date		4/23/2008	7/17/2008	7/17/2008	10/8/2008	10/8/2008	2/10/2009	2/10/2009	2/10/2009	2/10/2009	2/10/2009
TOC												
Total Organic Carbon	mg/l	1	3.6	5	5	5.7	5.3	7.2	7	6.5	6.6	

Data Presentation: Nonradiological Data for Surface Water, Jefferson Proving Ground, Madison, Indiana

Location ID			JP-W-12	JP-W-12	JP-W-12	JP-W-12	JP-W-12	JP-W-12	JP-W-12	JP-W-12	JP-W-13
Sample ID	Units	Reporting Limit	SAIC09	SAIC09F	SAIC10	SAIC10F	SAIC11	SAIC11F	SAIC12	SAIC12F	SAIC09
Sample Type			CREK	CREK	CREK	CREK	CREK	CREK	CREK	CREK	CREK
Depth (ft.)			0	0	0	0	0	0	0	0	0
Parameter Sample Date			4/22/2008	4/22/2008	7/29/2008	7/29/2008	10/9/2008	10/9/2008	2/5/2009	2/5/2009	4/24/2008

Alkalinity

Alkalinity	mg/l	1	100	N/A	130	N/A	160	N/A	83	N/A	110
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Common Anions

Chloride	mg/l	0.1	5.7	5.4	7.9	8.2	6.8	6.8	32	34	6.6
Nitrate	mg/l	0.1	0.1 U	0.1 UJ	0.1 U	0.1 U	0.1 U	0.1 U	0.37	0.38	0.1 U
Sulfate	mg/l	0.1	13	13	6.7	6.7	4.2	4.2	21	22	14

Metals

Aluminum	µg/l	200	200 U	26.7 U	173 J	58.7 J	115 J	26.7 U	140 J	43.7 J	84.1 J
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Data Presentation: Nonradiological Data for Surface Water, Jefferson Proving Ground, Madison, Indiana

Location ID			JP-W-12	JP-W-12	JP-W-12	JP-W-12	JP-W-12	JP-W-12	JP-W-12	JP-W-12	JP-W-13
Sample ID	Units	Reporting Limit	SAIC09	SAIC09F	SAIC10	SAIC10F	SAIC11	SAIC11F	SAIC12	SAIC12F	SAIC09
Sample Type			CREK	CREK	CREK	CREK	CREK	CREK	CREK	CREK	CREK
Depth (ft.)			0	0	0	0	0	0	0	0	0
Parameter Sample Date			4/22/2008	4/22/2008	7/29/2008	7/29/2008	10/9/2008	10/9/2008	2/5/2009	2/5/2009	4/24/2008
Calcium	µg/l	1000	31400	33200	36300	37000	48000	47300	33200	33300	31400
Iron	µg/l	150	191 U	150 U	170	66.6 J	115 J	21.3 J	251	90 J	212
Magnesium	µg/l	250	7350	7750	8760	8970	12300	12100	9010	8990	7490
Manganese	µg/l	5	37.4	31	114	45	357 E	224 E	37.9	36.1	37.4
Potassium	µg/l	250	1430	1470	3780 E	3680 E	4460	4250	1930	1950	1600
Silicon	µg/l	50	1560	1540	1040	972	1220	1170	2920	2800	1250 J
Sodium	µg/l	2500	4440	4620	4250	4160	3930	3830	15200	15300	5220

Data Presentation: Nonradiological Data for Surface Water, Jefferson Proving Ground, Madison, Indiana

Location ID			JP-W-12	JP-W-12	JP-W-12	JP-W-12	JP-W-12	JP-W-12	JP-W-12	JP-W-12	JP-W-13
Sample ID	Units	Reporting Limit	SAIC09	SAIC09F	SAIC10	SAIC10F	SAIC11	SAIC11F	SAIC12	SAIC12F	SAIC09
Sample Type			CREK	CREK	CREK	CREK	CREK	CREK	CREK	CREK	CREK
Depth (ft.)			0	0	0	0	0	0	0	0	0
Parameter Sample Date			4/22/2008	4/22/2008	7/29/2008	7/29/2008	10/9/2008	10/9/2008	2/5/2009	2/5/2009	4/24/2008
TOC											
Total Organic Carbon	mg/l	1	4.2	4.2	3.8	4	4.9	4.7	3.6	3.4	2.2

Data Presentation: Nonradiological Data for Surface Water, Jefferson Proving Ground, Madison, Indiana

Location ID			JP-W-13	JP-W-13	JP-W-13	JP-W-13	JP-W-13	JP-W-13	JP-W-13	JP-W-13
Sample ID	Units	Reporting Limit	SAIC09F	SAIC10	SAIC10F	SAIC11	SAIC11D	SAIC11DF	SAIC11F	SAIC12
Sample Type			CREK	CREK	CREK	CREK	CREK	CREK	CREK	CREK
Depth (ft.)			0	0	0	0	0	0	0	0
Parameter	Sample Date		4/24/2008	7/20/2008	7/20/2008	10/10/2008	10/10/2008	10/10/2008	10/10/2008	2/9/2009

Alkalinity

Alkalinity	mg/l	1	N/A	100	N/A	110	110	N/A	N/A	32
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Common Anions

Chloride	mg/l	0.1	6	10	9.5	3.6	3.7	3.7	3.6	5.1
Nitrate	mg/l	0.1	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.39
Sulfate	mg/l	0.1	14	8	7.8	6.2	6.7	4.8	4.8	12

Metals

Aluminum	µg/l	200	26.7 U	75 J	35 U	105 J	87.5 J	35 U	35 U	652
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Data Presentation: Nonradiological Data for Surface Water, Jefferson Proving Ground, Madison, Indiana

Location ID			JP-W-13	JP-W-13	JP-W-13	JP-W-13	JP-W-13	JP-W-13	JP-W-13	JP-W-13
Sample ID	Units	Reporting Limit	SAIC09F	SAIC10	SAIC10F	SAIC11	SAIC11D	SAIC11DF	SAIC11F	SAIC12
Sample Type			CREK	CREK	CREK	CREK	CREK	CREK	CREK	CREK
Depth (ft.)			0	0	0	0	0	0	0	0
Parameter	Sample Date		4/24/2008	7/20/2008	7/20/2008	10/10/2008	10/10/2008	10/10/2008	10/10/2008	2/9/2009
Calcium	µg/l	1000	30200	31800	32200	32300 J	31500 J	31800 J	32100 J	12800
Iron	µg/l	150	150 U	165	57.4 J	244	209	150 U	150 U	610
Magnesium	µg/l	250	7140	9250	9230	7690 J	7440 J	7520 J	7610 J	3360
Manganese	µg/l	5	23.7	110	13.3	87.6 J	86.3 J	36.4 J	14.8 J	60.2
Potassium	µg/l	250	1520	4400	4040	4740	4810	4780	4820	2180
Silicon	µg/l	50	1280 J	360	194	444 J	487 J	619 J	455 J	3420
Sodium	µg/l	2500	4720	4740	4370	2010 J	1970 J	2140 J	2070 J	2960

Data Presentation: Nonradiological Data for Surface Water, Jefferson Proving Ground, Madison, Indiana

Location ID			JP-W-13	JP-W-13	JP-W-13	JP-W-13	JP-W-13	JP-W-13	JP-W-13	JP-W-13
Sample ID	Units	Reporting Limit	SAIC09F	SAIC10	SAIC10F	SAIC11	SAIC11D	SAIC11DF	SAIC11F	SAIC12
Sample Type			CREK	CREK	CREK	CREK	CREK	CREK	CREK	CREK
Depth (ft.)			0	0	0	0	0	0	0	0
Parameter	Sample Date		4/24/2008	7/20/2008	7/20/2008	10/10/2008	10/10/2008	10/10/2008	10/10/2008	2/9/2009
TOC										
Total Organic Carbon	mg/l	1	4.6	6.3	5.9	7	6.8	6.3	6.3	8.6

Data Presentation: Nonradiological Data for Surface Water, Jefferson Proving Ground, Madison, Indiana

Location ID			JP-W-13	JP-W-14	JP-W-14	JP-W-14	JP-W-14	JP-W-14	JP-W-15	JP-W-15	JP-W-15	JP-W-15
Sample ID	Units	Reporting Limit	SAIC12F	SAIC09	SAIC09F	SAIC12	SAIC12F	SAIC09	SAIC09D	SAIC09F	SAIC09FD	
Sample Type			CREK	CREK	CREK	CREK	CREK	CREK	CREK	CREK	CREK	CREK
Depth (ft.)			0	0	0	0	0	0	0	0	0	0
Parameter	Sample Date		2/9/2009	4/23/2008	4/23/2008	2/8/2009	2/8/2009	4/25/2008	4/25/2008	4/25/2008	4/25/2008	4/25/2008

Alkalinity

Alkalinity	mg/l	1	N/A	70	N/A	21	N/A	37	37	N/A	N/A	
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Common Anions

Chloride	mg/l	0.1	5.2	0.87	0.93	0.81	0.86	1.5	1.5	1.5	1.5	
Nitrate	mg/l	0.1	0.39	0.1 U	0.1 U	0.1 U	0.1 U	0.11	0.1 U	0.1 U	0.1 U	
Sulfate	mg/l	0.1	12	10	10	10	10	18	8.8	8.6	8.5	

Metals

Aluminum	µg/l	200	49.1 J	99.4 J	26.7 U	412	367	125 J	211	26.7 U	66.5 J	
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Data Presentation: Nonradiological Data for Surface Water, Jefferson Proving Ground, Madison, Indiana

Location ID			JP-W-13	JP-W-14	JP-W-14	JP-W-14	JP-W-14	JP-W-15	JP-W-15	JP-W-15	JP-W-15
Sample ID	Units	Reporting Limit	SAIC12F	SAIC09	SAIC09F	SAIC12	SAIC12F	SAIC09	SAIC09D	SAIC09F	SAIC09FD
Sample Type			CREK	CREK	CREK	CREK	CREK	CREK	CREK	CREK	CREK
Depth (ft.)			0	0	0	0	0	0	0	0	0
Parameter Sample Date			2/9/2009	4/23/2008	4/23/2008	2/8/2009	2/8/2009	4/25/2008	4/25/2008	4/25/2008	4/25/2008
Calcium	µg/l	1000	12700	23400	23500	9170	8950	11700	12100	12100	12300
Iron	µg/l	150	159	122 J	33.1 J	536	346	833	898	217	776
Magnesium	µg/l	250	3290	4090	4100	2060	2020	2890	2990	3000	3040
Manganese	µg/l	5	51.1	4 J	2.6 J	18.7	18.3	147	162	129	132
Potassium	µg/l	250	2060	691	648	596	592	822	860	852	871
Silicon	µg/l	50	2620	4160	4000	3430 N*	3490 N*	3410	3520	3480	3440
Sodium	µg/l	2500	2980	2100 J	2120 J	843 J	808 J	3720	3760	3810	3770

Data Presentation: Nonradiological Data for Surface Water, Jefferson Proving Ground, Madison, Indiana

Location ID			JP-W-13	JP-W-14	JP-W-14	JP-W-14	JP-W-14	JP-W-15	JP-W-15	JP-W-15	JP-W-15
Sample ID	Units	Reporting Limit	SAIC12F	SAIC09	SAIC09F	SAIC12	SAIC12F	SAIC09	SAIC09D	SAIC09F	SAIC09FD
Sample Type			CREK	CREK	CREK	CREK	CREK	CREK	CREK	CREK	CREK
Depth (ft.)			0	0	0	0	0	0	0	0	0
Parameter Sample Date			2/9/2009	4/23/2008	4/23/2008	2/8/2009	2/8/2009	4/25/2008	4/25/2008	4/25/2008	4/25/2008
TOC											
Total Organic Carbon	mg/l	1	8.7	2	2.2	4.4	4.4	7.3	7.6	6.9	7

Data Presentation: Nonradiological Data for Surface Water, Jefferson Proving Ground, Madison, Indiana

Location ID			JP-W-15	JP-W-15	JP-W-15	JP-W-15	JP-W-15	JP-W-15	JP-W-15	JP-W-15
Sample ID	Units	Reporting Limit	SAIC10	SAIC10D	SAIC10DF	SAIC10F	SAIC11	SAIC11F	SAIC12	SAIC12D
Sample Type			CREK	CREK	CREK	CREK	CREK	CREK	CREK	CREK
Depth (ft.)			0	0	0	0	0	0	0	0
Parameter	Sample Date		7/18/2008	7/18/2008	7/18/2008	7/18/2008	10/12/2008	10/12/2008	2/8/2009	2/8/2009

Alkalinity

Alkalinity	mg/l	1	110	110	N/A	N/A	140	N/A	10	10
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Common Anions

Chloride	mg/l	0.1	1.2	1.2	1.3	1.3	1.3	1.5	1	1
Nitrate	mg/l	0.1	0.1 U	0.1 U	0.1 U	0.1 U	4	0.1 U	0.13	0.14
Sulfate	mg/l	0.1	6.1	6.1	6.4	6.3	18	18	10	10

Metals

Aluminum	µg/l	200	571	144 J	101 J	66.1 J	35 U	36.2 J	529	398
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Data Presentation: Nonradiological Data for Surface Water, Jefferson Proving Ground, Madison, Indiana

Location ID			JP-W-15	JP-W-15	JP-W-15	JP-W-15	JP-W-15	JP-W-15	JP-W-15	JP-W-15
Sample ID	Units	Reporting Limit	SAIC10	SAIC10D	SAIC10DF	SAIC10F	SAIC11	SAIC11F	SAIC12	SAIC12D
Sample Type			CREK	CREK	CREK	CREK	CREK	CREK	CREK	CREK
Depth (ft.)			0	0	0	0	0	0	0	0
Parameter Sample Date			7/18/2008	7/18/2008	7/18/2008	7/18/2008	10/12/2008	10/12/2008	2/8/2009	2/8/2009
Calcium	µg/l	1000	35100	34400	33400	32700	47100 E	46600 E	5420	5380
Iron	µg/l	150	1450	319	106 J	170	92.4 J	45.4 J	1390	511
Magnesium	µg/l	250	8580	8530	8300	8010	9420 E	9300 E	1610	1610
Manganese	µg/l	5	7590	2710	177	161	427 E	417 E	286	290
Potassium	µg/l	250	2000	1920	2010	1840	3590	3600	1010	912
Silicon	µg/l	50	1280	549 U	455 U	420 U	1470	1470	3520 N*	3190 N*
Sodium	µg/l	2500	3280	3330	3320	3360	1060 J	1060 J	1460 J	1370 J

Data Presentation: Nonradiological Data for Surface Water, Jefferson Proving Ground, Madison, Indiana

Location ID			JP-W-15	JP-W-15	JP-W-15	JP-W-15	JP-W-15	JP-W-15	JP-W-15	JP-W-15	JP-W-15
Sample ID	Units	Reporting Limit	SAIC10	SAIC10D	SAIC10DF	SAIC10F	SAIC11	SAIC11F	SAIC12	SAIC12D	SAIC12D
Sample Type			CREK	CREK	CREK	CREK	CREK	CREK	CREK	CREK	CREK
Depth (ft.)			0	0	0	0	0	0	0	0	0
Parameter Sample Date			7/18/2008	7/18/2008	7/18/2008	7/18/2008	10/12/2008	10/12/2008	2/8/2009	2/8/2009	2/8/2009

TOC

Total Organic Carbon	mg/l	1	15	13	10	11	7.8	7.6	7.1	7.1
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Data Presentation: Nonradiological Data for Surface Water, Jefferson Proving Ground, Madison, Indiana

Location ID			JP-W-15	JP-W-15	JP-W-16	JP-W-16	JP-W-16	JP-W-16	JP-W-16	JP-W-17	JP-W-17	JP-W-17
Sample ID	Units	Reporting Limit	SAIC12DF	SAIC12F	SAIC09	SAIC09F	SAIC12	SAIC12F	SAIC09	SAIC09D	SAIC09F	
Sample Type			CREK	CREK	CREK	CREK	CREK	CREK	CREK	CREK	CREK	CREK
Depth (ft.)			0	0	0	0	0	0	0	0	0	0
Parameter Sample Date			2/8/2009	2/8/2009	4/24/2008	4/24/2008	2/8/2009	2/8/2009	4/27/2008	4/27/2008	4/27/2008	

Alkalinity

Alkalinity	mg/l	1	N/A	N/A	2	N/A	1 U	N/A	64	64	N/A	
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Common Anions

Chloride	mg/l	0.1	1	1	2.2	2.3	1.1	1.2	1.1	1	1.1	
Nitrate	mg/l	0.1	0.13	0.13	0.1 U	0.1 UJ	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	
Sulfate	mg/l	0.1	10	10	12	12	12	12	7.8	7.9	9.5	

Metals

Aluminum	µg/l	200	97.8 J	229	1110	200 U	150 J	97 J	229	191 J	61.3 J	
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Data Presentation: Nonradiological Data for Surface Water, Jefferson Proving Ground, Madison, Indiana

Location ID			JP-W-15	JP-W-15	JP-W-16	JP-W-16	JP-W-16	JP-W-16	JP-W-16	JP-W-17	JP-W-17	JP-W-17
Sample ID	Units	Reporting Limit	SAIC12DF	SAIC12F	SAIC09	SAIC09F	SAIC12	SAIC12F	SAIC09	SAIC09D	SAIC09F	
Sample Type			CREK	CREK	CREK	CREK	CREK	CREK	CREK	CREK	CREK	
Depth (ft.)			0	0	0	0	0	0	0	0	0	
Parameter	Sample Date		2/8/2009	2/8/2009	4/24/2008	4/24/2008	2/8/2009	2/8/2009	4/27/2008	4/27/2008	4/27/2008	
Calcium	µg/l	1000	5280	5340	2430	2340	2270	2400	15900	15300	15800	
Iron	µg/l	150	135 J	208	1690	552	151	100 J	779	700	262	
Magnesium	µg/l	250	1550	1570	767	701	732	769	7410	7120	7360	
Manganese	µg/l	5	242	242	852	790	536	575	193	187	194	
Potassium	µg/l	250	902	908	670	534	635	693	890	857	894	
Silicon	µg/l	50	2760 N*	4200 N*	5370 J	5240 J	3260 N*	3390 N*	2520	2250	2110	
Sodium	µg/l	2500	1380 J	1410 J	4210	4160	1940 J	2140 J	3730	3720	3530	

Data Presentation: Nonradiological Data for Surface Water, Jefferson Proving Ground, Madison, Indiana

Location ID			JP-W-15	JP-W-15	JP-W-16	JP-W-16	JP-W-16	JP-W-16	JP-W-16	JP-W-17	JP-W-17	JP-W-17
Sample ID	Units	Reporting Limit	SAIC12DF	SAIC12F	SAIC09	SAIC09F	SAIC12	SAIC12F	SAIC09	SAIC09D	SAIC09F	
Sample Type			CREK	CREK	CREK	CREK	CREK	CREK	CREK	CREK	CREK	CREK
Depth (ft.)			0	0	0	0	0	0	0	0	0	0
Parameter Sample Date			2/8/2009	2/8/2009	4/24/2008	4/24/2008	2/8/2009	2/8/2009	4/27/2008	4/27/2008	4/27/2008	4/27/2008
TOC												
Total Organic Carbon	mg/l	1	7	6.8	11	11	7.4	7.2	11	11	11	11

Data Presentation: Nonradiological Data for Surface Water, Jefferson Proving Ground, Madison, Indiana

Location ID			JP-W-17	JP-W-17	JP-W-17	JP-W-17	JP-W-17	JP-W-18	JP-W-18	JP-W-18	JP-W-18
Sample ID	Units	Reporting Limit	SAIC09FD	SAIC10	SAIC10F	SAIC12F	SAIC12	SAIC09	SAIC09F	SAIC12	SAIC12F
Sample Type			CREK	CREK	CREK	CREK	CREK	CREK	CREK	CREK	CREK
Depth (ft.)			0	0	0	0	0	0	0	0	0
Parameter	Sample Date		4/27/2008	7/20/2008	7/20/2008	2/3/2009	2/3/2009	4/27/2008	4/27/2008	2/4/2009	2/4/2009

Alkalinity

Alkalinity	mg/l	1	N/A	140	N/A	N/A	26	90	N/A	53	N/A
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Common Anions

Chloride	mg/l	0.1	1.1	0.85	0.93	1.3	1.3	1.2	1.1	1.2	1.2
Nitrate	mg/l	0.1	0.1 U	0.1 U	0.1 U	0.12	0.13	0.1 U	0.1 U	0.1	0.1
Sulfate	mg/l	0.1	9.2	13	13	20	19	11	11	16	16

Metals

Aluminum	µg/l	200	54.7 J	351	35 U	72.1 J	941	128 J	87.8 J	586	36 U
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Data Presentation: Nonradiological Data for Surface Water, Jefferson Proving Ground, Madison, Indiana

Location ID			JP-W-17	JP-W-17	JP-W-17	JP-W-17	JP-W-17	JP-W-18	JP-W-18	JP-W-18	JP-W-18
Sample ID	Units	Reporting Limit	SAIC09FD	SAIC10	SAIC10F	SAIC12F	SAIC12	SAIC09	SAIC09F	SAIC12	SAIC12F
Sample Type			CREK	CREK	CREK	CREK	CREK	CREK	CREK	CREK	CREK
Depth (ft.)			0	0	0	0	0	0	0	0	0
Parameter Sample Date			4/27/2008	7/20/2008	7/20/2008	2/3/2009	2/3/2009	4/27/2008	4/27/2008	2/4/2009	2/4/2009
Calcium	µg/l	1000	15800	33800	34000	10400	10300	21800	22100	14000	13900
Iron	µg/l	150	311	440	8.2 U	82.9 J	859	219	95 J	424	36.3 J
Magnesium	µg/l	250	7370	15600	15700	5170	5150	10200	10400	6710	6660
Manganese	µg/l	5	203	770	505	34.7	45.5	71.8	54.7	13.9	10.6
Potassium	µg/l	250	882	721	657	622	622	720	758	564	513
Silicon	µg/l	50	2050	3730	3400	3260	4180	2450	2390	4150	3430
Sodium	µg/l	2500	3500	4110	4330	2990	2940	3390	3330	2560	2560

Data Presentation: Nonradiological Data for Surface Water, Jefferson Proving Ground, Madison, Indiana

Location ID			JP-W-17	JP-W-17	JP-W-17	JP-W-17	JP-W-17	JP-W-18	JP-W-18	JP-W-18	JP-W-18
Sample ID	Units	Reporting Limit	SAIC09FD	SAIC10	SAIC10F	SAIC12F	SAIC12	SAIC09	SAIC09F	SAIC12	SAIC12F
Sample Type			CREK	CREK	CREK	CREK	CREK	CREK	CREK	CREK	CREK
Depth (ft.)			0	0	0	0	0	0	0	0	0
Parameter	Sample Date		4/27/2008	7/20/2008	7/20/2008	2/3/2009	2/3/2009	4/27/2008	4/27/2008	2/4/2009	2/4/2009
TOC											
Total Organic Carbon	mg/l	1	15	8.5	7	3.4	3.9	4.9	4.7	3.4	2.8

Data Presentation: Nonradiological Data for Surface Water, Jefferson Proving Ground, Madison, Indiana

Location ID			JP-W-19	JP-W-19	JP-W-19	JP-W-19	JP-W-19	JP-W-19	JP-W-19	JP-W-19
Sample ID	Units	Reporting Limit	SAIC09	SAIC09F	SAIC10	SAIC10D	SAIC10DF	SAIC10F	SAIC11	SAIC11F
Sample Type			CREK	CREK	CREK	CREK	CREK	CREK	CREK	CREK
Depth (ft.)			0	0	0	0	0	0	0	0
Parameter Sample Date			4/25/2008	4/25/2008	7/18/2008	7/18/2008	7/18/2008	7/18/2008	10/12/2008	10/12/2008

Alkalinity

Alkalinity	mg/l	1	120	N/A	150	150	N/A	N/A	160	N/A
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Common Anions

Chloride	mg/l	0.1	4.6	3.3	13	14	14	13	9.6	9.4
Nitrate	mg/l	0.1	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	14	14	13	13	14	13	13	12

Metals

Aluminum	µg/l	200	26.7 U	54.9 J	161 J	92.2 J	289	41.5 J	280	35 U
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Data Presentation: Nonradiological Data for Surface Water, Jefferson Proving Ground, Madison, Indiana

Location ID			JP-W-19	JP-W-19	JP-W-19	JP-W-19	JP-W-19	JP-W-19	JP-W-19	JP-W-19
Sample ID	Units	Reporting Limit	SAIC09	SAIC09F	SAIC10	SAIC10D	SAIC10DF	SAIC10F	SAIC11	SAIC11F
Sample Type			CREK	CREK	CREK	CREK	CREK	CREK	CREK	CREK
Depth (ft.)			0	0	0	0	0	0	0	0
Parameter	Sample Date		4/25/2008	4/25/2008	7/18/2008	7/18/2008	7/18/2008	7/18/2008	10/12/2008	10/12/2008
Calcium	µg/l	1000	30700	30200	39500	39100	38000	39400	40500 E	41300 E
Iron	µg/l	150	65.7 J	24.8 J	166	190	143 J	150 U	223	56.1 J
Magnesium	µg/l	250	12300	12100	16400	16100	15500	16200	15800 E	16200 E
Manganese	µg/l	5	18.4	16.2	239	245	177	180	140 E	161 E
Potassium	µg/l	250	885	901	1750	1650	1600	1750	3720	3810
Silicon	µg/l	50	2940	2760	3060	3110	3280	3030	4860 NE	3980 NE
Sodium	µg/l	2500	4480	4580	10000	9910	9580	9920	7180	7380

Data Presentation: Nonradiological Data for Surface Water, Jefferson Proving Ground, Madison, Indiana

Location ID			JP-W-19	JP-W-19	JP-W-19	JP-W-19	JP-W-19	JP-W-19	JP-W-19	JP-W-19
Sample ID	Units	Reporting Limit	SAIC09	SAIC09F	SAIC10	SAIC10D	SAIC10DF	SAIC10F	SAIC11	SAIC11F
Sample Type			CREK	CREK	CREK	CREK	CREK	CREK	CREK	CREK
Depth (ft.)			0	0	0	0	0	0	0	0
Parameter Sample Date			4/25/2008	4/25/2008	7/18/2008	7/18/2008	7/18/2008	7/18/2008	10/12/2008	10/12/2008

TOC

Total Organic Carbon	mg/l	1	2.2	2.3	3	3.1	3.1	2.9	5.1	4.6
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Data Presentation: Nonradiological Data for Surface Water, Jefferson Proving Ground, Madison, Indiana

Location ID			JP-W-19	JP-W-19	JP-W-20	JP-W-20	JP-W-20	JP-W-20	JP-W-20	JP-W-21	JP-W-21	JP-W-21
Sample ID	Units	Reporting Limit	SAIC12	SAIC12F	SAIC09	SAIC09F	SAIC12	SAIC12F	SAIC10	SAIC10F	SAIC11	
Sample Type			CREK	CREK	CREK	CREK	CREK	CREK	CREK	CREK	CREK	CREK
Depth (ft.)			0	0	0	0	0	0	0	0	0	0
Parameter	Sample Date		2/10/2009	2/10/2009	4/27/2008	4/27/2008	2/4/2009	2/4/2009	7/17/2008	7/17/2008	10/20/2008	

Alkalinity

Alkalinity	mg/l	1	41	N/A	72	N/A	52	N/A	120	N/A	160	
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Common Anions

Chloride	mg/l	0.1	4	3.9	1.4	1.4	1.2	1.2	11	10	11	
Nitrate	mg/l	0.1	0.18	0.17	0.1	0.11	0.29	0.33	0.1 U	0.1 UJ	0.1 U	
Sulfate	mg/l	0.1	12	11	14	13	16	16	7.2	7.3	5.1	

Metals

Aluminum	µg/l	200	683	399	150 J	64.1 J	233	36 U	176 J	35 U	35 U	
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Data Presentation: Nonradiological Data for Surface Water, Jefferson Proving Ground, Madison, Indiana

Location ID			JP-W-19	JP-W-19	JP-W-20	JP-W-20	JP-W-20	JP-W-20	JP-W-20	JP-W-21	JP-W-21	JP-W-21
Sample ID	Units	Reporting Limit	SAIC12	SAIC12F	SAIC09	SAIC09F	SAIC12	SAIC12F	SAIC10	SAIC10F	SAIC11	
Sample Type			CREK	CREK	CREK	CREK	CREK	CREK	CREK	CREK	CREK	
Depth (ft.)			0	0	0	0	0	0	0	0	0	
Parameter Sample Date			2/10/2009	2/10/2009	4/27/2008	4/27/2008	2/4/2009	2/4/2009	7/17/2008	7/17/2008	10/20/2008	
Calcium	µg/l	1000	13400	13400	21500	21200	16100	16000	38400 J	38300 J	45700	
Iron	µg/l	150	512	216	147 J	30.9 J	257	76.1 J	137 J	33.4 J	30.3 J	
Magnesium	µg/l	250	4900	4870	7960	7870	5890	5920	9940 J	9880 J	11800	
Manganese	µg/l	5	23.5	15.6	5.5	1.1 J	4.1 J	0.95 J	52.5	30.6	76.8	
Potassium	µg/l	250	861	881	708	729	553	541	3730	3790	4500	
Silicon	µg/l	50	3990	3710	4840 D	4380	4080	3850	1470	1270	2560	
Sodium	µg/l	2500	3270	3120	3580	3610	2330 J	2390 J	5830	5780	6030	

Data Presentation: Nonradiological Data for Surface Water, Jefferson Proving Ground, Madison, Indiana

Location ID			JP-W-19	JP-W-19	JP-W-20	JP-W-20	JP-W-20	JP-W-20	JP-W-20	JP-W-21	JP-W-21	JP-W-21
Sample ID	Units	Reporting Limit	SAIC12	SAIC12F	SAIC09	SAIC09F	SAIC12	SAIC12F	SAIC10	SAIC10F	SAIC11	
Sample Type			CREK	CREK	CREK	CREK	CREK	CREK	CREK	CREK	CREK	CREK
Depth (ft.)			0	0	0	0	0	0	0	0	0	0
Parameter	Sample Date		2/10/2009	2/10/2009	4/27/2008	4/27/2008	2/4/2009	2/4/2009	7/17/2008	7/17/2008	10/20/2008	
TOC												
Total Organic Carbon	mg/l	1	5.4	4.8	2.8	2.2	2	1.9	4.4	4.2	8.4	

Data Presentation: Nonradiological Data for Surface Water, Jefferson Proving Ground, Madison, Indiana

Location ID			JP-W-21	JP-W-22	JP-W-22	JP-W-22	JP-W-22	JP-W-22	JP-W-23	JP-W-23	JP-W-23
Sample ID	Units	Reporting Limit	SAIC11F	SAIC10	SAIC10F	SAIC11	SAIC11F	SAIC10	SAIC10F	SAIC11	
Sample Type			CREK	CREK	CREK	CREK	CREK	CREK	CREK	CREK	CREK
Depth (ft.)			0	0	0	0	0	0	0	0	0
Parameter	Sample Date		10/20/2008	7/18/2008	7/18/2008	10/9/2008	10/9/2008	7/28/2008	7/28/2008	10/20/2008	

Alkalinity

Alkalinity	mg/l	1	N/A	120	N/A	120	N/A	160	N/A	180	
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Common Anions

Chloride	mg/l	0.1	11	11	11	9.2	9.4	22	23	17	
Nitrate	mg/l	0.1	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	5.1	7.8	8.1	5.5	5.7	18	19	13	

Metals

Aluminum	µg/l	200	35 U	81.4 J	35 U	114 J	98.1 J	200 U	200 U	35 U	
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Data Presentation: Nonradiological Data for Surface Water, Jefferson Proving Ground, Madison, Indiana

Location ID			JP-W-21	JP-W-22	JP-W-22	JP-W-22	JP-W-22	JP-W-23	JP-W-23	JP-W-23
Sample ID	Units	Reporting Limit	SAIC11F	SAIC10	SAIC10F	SAIC11	SAIC11F	SAIC10	SAIC10F	SAIC11
Sample Type			CREK	CREK	CREK	CREK	CREK	CREK	CREK	CREK
Depth (ft.)			0	0	0	0	0	0	0	0
Parameter Sample Date			10/20/2008	7/18/2008	7/18/2008	10/9/2008	10/9/2008	7/28/2008	7/28/2008	10/20/2008
Calcium	µg/l	1000	45700	34900	34200	36700	37400	43200	43800	44300
Iron	µg/l	150	14.7 J	150 U	150 U	135 J	22.8 J	15 U	150 J	869
Magnesium	µg/l	250	11700	9920	9720	10100	10400	17000	17400	18000
Manganese	µg/l	5	20.2	90.6	8.8 U	103 E	7.3 E	67.8	33.4	2040
Potassium	µg/l	250	4330	3700	3670	5320	5450	2110	2180	4710
Silicon	µg/l	50	2570	647 U	510 U	697	667	2950	2670	5280
Sodium	µg/l	2500	5880	5550	5490	5470	5540	17500	17900	12600

Data Presentation: Nonradiological Data for Surface Water, Jefferson Proving Ground, Madison, Indiana

Location ID			JP-W-21	JP-W-22	JP-W-22	JP-W-22	JP-W-22	JP-W-22	JP-W-23	JP-W-23	JP-W-23
Sample ID	Units	Reporting Limit	SAIC11F	SAIC10	SAIC10F	SAIC11	SAIC11F	SAIC10	SAIC10F	SAIC11	
Sample Type			CREK	CREK	CREK	CREK	CREK	CREK	CREK	CREK	CREK
Depth (ft.)			0	0	0	0	0	0	0	0	0
Parameter Sample Date			10/20/2008	7/18/2008	7/18/2008	10/9/2008	10/9/2008	7/28/2008	7/28/2008	10/20/2008	

TOC

Total Organic Carbon	mg/l	1	8.1	5	4.9	6.3	5.8	3.7	3.4	12	
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Data Presentation: Nonradiological Data for Surface Water, Jefferson Proving Ground, Madison, Indiana

Location ID			JP-W-23	JP-W-24	JP-W-24	JP-W-24	JP-W-24	JP-W-24	JP-W-25	JP-W-25	JP-W-26	JP-W-26
Sample ID	Units	Reporting Limit	SAIC11F	SAIC10	SAIC10F	SAIC11	SAIC11F	SAIC10	SAIC10F	SAIC10	SAIC10F	SAIC10F
Sample Type			CREK	CREK	CREK	CREK	CREK	CREK	CREK	CREK	CREK	CREK
Depth (ft.)			0	0	0	0	0	0	0	0	0	0
Parameter	Sample Date		10/20/2008	7/28/2008	7/28/2008	10/8/2008	10/8/2008	7/28/2008	7/28/2008	7/28/2008	7/28/2008	7/28/2008

Alkalinity

Alkalinity	mg/l	1	N/A	120	N/A	130	N/A	120	N/A	110	N/A
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Common Anions

Chloride	mg/l	0.1	17	10	10	6.5	6.6	9.9	9.7	9.4	9.1
Nitrate	mg/l	0.1	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.12	0.11	0.1 U	0.1 UJ
Sulfate	mg/l	0.1	13	7.2	7.2	4.4	4.3	7.2	7.1	7.2	7

Metals

Aluminum	µg/l	200	35 U	216 U	80.7 J	47.8 J	70.5 J	144 J	42.6 J	179 J	56.2 J
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Data Presentation: Nonradiological Data for Surface Water, Jefferson Proving Ground, Madison, Indiana

Location ID			JP-W-23	JP-W-24	JP-W-24	JP-W-24	JP-W-24	JP-W-25	JP-W-25	JP-W-26	JP-W-26
Sample ID	Units	Reporting Limit	SAIC11F	SAIC10	SAIC10F	SAIC11	SAIC11F	SAIC10	SAIC10F	SAIC10	SAIC10F
Sample Type			CREK	CREK	CREK	CREK	CREK	CREK	CREK	CREK	CREK
Depth (ft.)			0	0	0	0	0	0	0	0	0
Parameter	Sample Date		10/20/2008	7/28/2008	7/28/2008	10/8/2008	10/8/2008	7/28/2008	7/28/2008	7/28/2008	7/28/2008
Calcium	µg/l	1000	45000	37900	35600	41800	45300	38000	37700	32600	34300
Iron	µg/l	150	535	1350	67.8 J	27.1 J	15.4 U	216	150 U	129 J	150 U
Magnesium	µg/l	250	18400	9740 E	9110	9510	10300	9340	9360	8930	9390
Manganese	µg/l	5	2040	104	53.5	79.4	97	236	50.6	61.5	1.8 J
Potassium	µg/l	250	4770	4030	3360 J	5490	5990	3290 J	3350 J	3300 J	3440 J
Silicon	µg/l	50	5330	1120	918 J	1390	1760	1410 J	1260 J	423 J	332 J
Sodium	µg/l	2500	12800	6080	4470	4210 E	4630 E	4210	4250	3470	3690

Data Presentation: Nonradiological Data for Surface Water, Jefferson Proving Ground, Madison, Indiana

Location ID			JP-W-23	JP-W-24	JP-W-24	JP-W-24	JP-W-24	JP-W-24	JP-W-25	JP-W-25	JP-W-26	JP-W-26
Sample ID	Units	Reporting Limit	SAIC11F	SAIC10	SAIC10F	SAIC11	SAIC11F	SAIC10	SAIC10F	SAIC10	SAIC10F	SAIC10F
Sample Type			CREK	CREK	CREK	CREK	CREK	CREK	CREK	CREK	CREK	CREK
Depth (ft.)			0	0	0	0	0	0	0	0	0	0
Parameter Sample Date			10/20/2008	7/28/2008	7/28/2008	10/8/2008	10/8/2008	7/28/2008	7/28/2008	7/28/2008	7/28/2008	7/28/2008

TOC												
Total Organic Carbon	mg/l	1	12	3.8	3.9	6.3	6.2	3.5	3.6	5	4.3	

Data Presentation: Nonradiological Data for Surface Water, Jefferson Proving Ground, Madison, Indiana

Location ID			JP-W-26	JP-W-26	JP-W-27	JP-W-27	JP-W-27	JP-W-27	JP-W-28	JP-W-28
Sample ID	Units	Reporting Limit	SAIC11	SAIC11F	SAIC10	SAIC10F	SAIC11	SAIC11F	SAIC10	SAIC10F
Sample Type			CREK	CREK	CREK	CREK	CREK	CREK	CREK	CREK
Depth (ft.)			0	0	0	0	0	0	0	0
Parameter	Sample Date		10/20/2008	10/20/2008	7/29/2008	7/29/2008	10/9/2008	10/9/2008	7/29/2008	7/29/2008

Alkalinity

Alkalinity	mg/l	1	150	N/A	140	N/A	140	N/A	170	N/A
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Common Anions

Chloride	mg/l	0.1	10	10	8	8.1	6.3	6.4	1.6	1.5
Nitrate	mg/l	0.1	0.1 U	0.1 U	0.1 U	0.1 U	0.15	0.1 U	0.1 U	0.1 U
Sulfate	mg/l	0.1	6.1	3.8	6.8	6.8	4.2	4.2	3.7	3.7

Metals

Aluminum	µg/l	200	35 U	35 U	182 J	97.2 J	47.6 J	69 J	151 J	115 J
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Data Presentation: Nonradiological Data for Surface Water, Jefferson Proving Ground, Madison, Indiana

Location ID			JP-W-26	JP-W-26	JP-W-27	JP-W-27	JP-W-27	JP-W-27	JP-W-28	JP-W-28
Sample ID	Units	Reporting Limit	SAIC11	SAIC11F	SAIC10	SAIC10F	SAIC11	SAIC11F	SAIC10	SAIC10F
Sample Type			CREK	CREK	CREK	CREK	CREK	CREK	CREK	CREK
Depth (ft.)			0	0	0	0	0	0	0	0
Parameter Sample Date			10/20/2008	10/20/2008	7/29/2008	7/29/2008	10/9/2008	10/9/2008	7/29/2008	7/29/2008
Calcium	µg/l	1000	41200	41800	40800	39100	45000	45500	35000	34500
Iron	µg/l	150	438	254	300	90.8 J	66.2 J	32.4 J	242	77.9 J
Magnesium	µg/l	250	10400	10500	9420	8920	10100	10200	18800	18500
Manganese	µg/l	5	1890	1920	185	126	187 E	150 E	394	217
Potassium	µg/l	250	7030	7180	3730 E	3560 E	3880	4080	1980 E	2000 E
Silicon	µg/l	50	1950	1810	1920	1760	2640	1330	4020	3650
Sodium	µg/l	2500	5050	5150	4260	4310	3650	3640	3140	3220

Data Presentation: Nonradiological Data for Surface Water, Jefferson Proving Ground, Madison, Indiana

Location ID			JP-W-26	JP-W-26	JP-W-27	JP-W-27	JP-W-27	JP-W-27	JP-W-27	JP-W-28	JP-W-28
Sample ID	Units	Reporting Limit	SAIC11	SAIC11F	SAIC10	SAIC10F	SAIC11	SAIC11F	SAIC10	SAIC10F	SAIC10F
Sample Type			CREK	CREK	CREK	CREK	CREK	CREK	CREK	CREK	CREK
Depth (ft.)			0	0	0	0	0	0	0	0	0
Parameter	Sample Date		10/20/2008	10/20/2008	7/29/2008	7/29/2008	10/9/2008	10/9/2008	7/29/2008	7/29/2008	7/29/2008

TOC

Total Organic Carbon	mg/l	1	16	14	3.7	3.7	4.3	4.1	8.2	7.5	
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Data Presentation: Nonradiological Data for Surface Water, Jefferson Proving Ground, Madison, Indiana

Location ID			JP-W-28	JP-W-28
Sample ID	Units	Reporting Limit	SAIC11	SAIC11F
Sample Type			CREK	CREK
Depth (ft.)			0	0
Parameter Sample Date			10/10/2008	10/10/2008

Alkalinity

Alkalinity	mg/l	1	85	N/A
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Common Anions

Chloride	mg/l	0.1	3.4	3.4
Nitrate	mg/l	0.1	0.19	0.15
Sulfate	mg/l	0.1	22	22

Metals

Aluminum	µg/l	200	35 U	35 U
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Data Presentation: Nonradiological Data for Surface Water, Jefferson Proving Ground, Madison, Indiana

Location ID			JP-W-28	JP-W-28
Sample ID	Units	Reporting Limit	SAIC11	SAIC11F
Sample Type			CREK	CREK
Depth (ft.)			0	0
Parameter Sample Date			10/10/2008	10/10/2008
Calcium	µg/l	1000	22100 J	22200 J
Iron	µg/l	150	157 U	150 U
Magnesium	µg/l	250	12300 J	12400 J
Manganese	µg/l	5	85.5 J	74.7 J
Potassium	µg/l	250	5710	5530
Silicon	µg/l	50	1880 J	1890 J
Sodium	µg/l	2500	1580 J	1580 J

Data Presentation: Nonradiological Data for Surface Water, Jefferson Proving Ground, Madison, Indiana

Location ID			JP-W-28	JP-W-28
Sample ID	Units	Reporting Limit	SAIC11	SAIC11F
Sample Type			CREK	CREK
Depth (ft.)			0	0
Parameter Sample Date			10/10/2008	10/10/2008

TOC

Total Organic Carbon	mg/l	1	8.7	8.8
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