Row Name	Sources Included
B-101 Row	241-B-101 241-B-104 241-B-107 241-B-110 241-BX-302A 244-BXR-Vault
B-102 Row	241-B-102 241-B-105 241-B-108 241-B-111 241-BX-101 241-BX-104 241-BX-107 241-BX-110 244-BX-DCR
B-103 Row	241-B-103 241-B-106 241-B-109 241-B-112 241-BX-102 241-BX-105 241-BX-108 241-BX-111 244-B-301
B-201 Row	241-B-201 241-B-202 241-B-203 241-B-204 241-BX-103 241-BX-106 241-BX-109 241-BX-112
BY-101 Row	241-BY-101 241-BY-104 241-BY-107 241-BY-110
BY-102 Row	241-BY-102 241-BY-105 241-BY-108 241-BY-111
BY-103 Row	241-BY-103 241-BY-106 241-BY-109 241-BY-112

CAS Number	Analyte Name	Concentration	Peak Year	Kd	Kd Bin
		pCi/L (Rad) or mg/L (Non-rad)			
3H	Tritium	0		0	0
14C	Carbon-14	3.66E-04	9781	0	0
59Ni	Nickel-59	0		48	5
63Ni	Nickel-63	0		48	5
60Co	Cobalt-60	0		0.1	0.1
79Se	Selenium-79	0		3.1	2
90Sr	Strontium-90 + D	0		16.1	5
93mNb	Niobium-93m	0		100	5
93Zr	Zirconium-93	0		600	5
99Tc	Technetium-99	4.85E-02	10461	0	0
106Ru	Ruthenium-106	0		1	1
113mCd	Cadmium-113m	0		1	1
126Sn	Tin-126	0		1	1
125Sb	Antimony-125	0		1	1
129I	Iodine-129	1.74E-11	12032	0.2	0.2
134Cs	Cesium-134	0		25	5
137Cs	Cesium-137 + Daughters	0		25	5
151Sm	Samarium-151	0		1	1
152Eu	Europium-152	0		1	1
154Eu	Europium-154	0		1	1
155Eu	Europium-155	0		1	1
226Ra	Radium-226 + D	0		1	1
228Ra	Radium-228 + D	0		1	1
227Ac	Actinium-227 + D	0		67	5
229Th	Thorium-229 + D	0		3	2
232Th	Thorium-232	0		3	2
231Pa	Protactinium-231	0		550	5
232U	Uranium-232	0		0.6	0.6
233U	Uranium-233	0		0.6	0.6
234U	Uranium-234	0		0.6	0.6
235U	Uranium-235 + D	0		0.6	0.6
236U	Uranium-236	0		0.6	0.6
238U	Uranium-238 + D	0		0.6	0.6
237Np	Neptunium-237 + D	0		2	2
238Pu	Plutonium-238	0		3	2
239Pu	Plutonium-239	0		3	2
240Pu	Plutonium-240	0		3	2
241Pu	Plutonium-241 + D	0		3	2
242Pu	Plutonium-242	0		3	2
241Am	Americium-241	0		3	2
243Am	Americium-243 + D	0		3	2
242Cm	Curium-242	0		3	2
243Cm	Curium-243	0		3	2
244Cm	Curium-244	0		3	2
7429-90-5	Aluminum	0		1	1
7440-69-9	Bismuth	3.33E-04	10481		0
7440-70-2	Calcium	0		4	5

16887-00-6	Chloride	3.46E-06	10481		0
18540-29-9	Chromium	7.63E-05	10481	0	0
16984-48-8	Fluoride	2.80E-06	10481		0
OHDEMAND	Hydroxide OH	1.21E-02	10481		0
7439-89-6	Iron	0		25	5
7439-92-1	Lead	0		5.2	5
7439-93-2	Lithium	0		300	5
7439-96-5	Manganese	0		1	1
7439-97-6	Mercury	0		5.2	5
7440-02-0	Nickel	0		48	5
14797-55-8	Nitrate	1.40E-03	10481	0	0
14797-65-0	Nitrite	3.88E-04	10481	0	0
338-70-5	Oxalate	1.27E-04	10481		0
14265-44-2	Phosphate	8.30E-05	10481		0
7440-21-3	Silicon	0		30	5
7440-23-5	Sodium	1.66E-03	10481		0
7440-24-6	Strontium	0		16.1	5
14808-79-8	Sulfate	7.14E-04	10481		0
7440-29-1	Thorium	0		1	1
7440-61-1	Uranium	0		0.6	0.6
7440-67-7	Zirconium	0		500	5

Half-Life

Years	
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	Report Generated by H0098416 (David J. Watson)
12.33	**Decision Management Tool Version 4.0.0.37**
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74999	
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5.2713	**Major Assumptions Used:**
805000	Dilution factor for WMA-B-BX-BY: 40
28.149	Compliance Monitoring Start Year :2001
16.13	
1530000	
211097	
1.01736	
14.1	
246000	
2.7299	
15700000	
2.0619	
29.999	
89.997	
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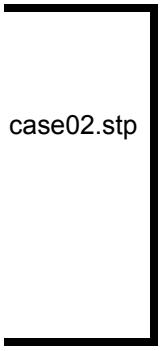
case02.stp

CAS Number	Analyte Name	Concentration pCi/L (Rad) or mg/L (Non-rad)	Peak Year	Kd	Kd Bin
3H	Tritium	0		0	0
14C	Carbon-14	3.14E-04	9781	0	0
59Ni	Nickel-59	0		48	5
63Ni	Nickel-63	0		48	5
60Co	Cobalt-60	0		0.1	0.1
79Se	Selenium-79	0		3.1	2
90Sr	Strontium-90 + D	0		16.1	5
93mNb	Niobium-93m	0		100	5
93Zr	Zirconium-93	0		600	5
99Tc	Technetium-99	9.40E-03	10461	0	0
106Ru	Ruthenium-106	0		1	1
113mCd	Cadmium-113m	0		1	1
126Sn	Tin-126	0		1	1
125Sb	Antimony-125	0		1	1
129I	Iodine-129	1.85E-11	12032	0.2	0.2
134Cs	Cesium-134	0		25	5
137Cs	Cesium-137 + Daughters	0		25	5
151Sm	Samarium-151	0		1	1
152Eu	Europium-152	0		1	1
154Eu	Europium-154	0		1	1
155Eu	Europium-155	0		1	1
226Ra	Radium-226 + D	0		1	1
227Ac	Actinium-227 + D	0		67	5
229Th	Thorium-229 + D	0		3	2
232Th	Thorium-232	0		3	2
231Pa	Protactinium-231	0		550	5
232U	Uranium-232	0		0.6	0.6
233U	Uranium-233	0		0.6	0.6
234U	Uranium-234	0		0.6	0.6
235U	Uranium-235 + D	0		0.6	0.6
236U	Uranium-236	0		0.6	0.6
238U	Uranium-238 + D	0		0.6	0.6
237Np	Neptunium-237 + D	0		2	2
238Pu	Plutonium-238	0		3	2
239Pu	Plutonium-239	0		3	2
240Pu	Plutonium-240	0		3	2
241Pu	Plutonium-241 + D	0		3	2
242Pu	Plutonium-242	0		3	2
241Am	Americium-241	0		3	2
243Am	Americium-243 + D	0		3	2
242Cm	Curium-242	0		3	2
243Cm	Curium-243	0		3	2
244Cm	Curium-244	0		3	2
7429-90-5	Aluminum	0		1	1
7440-69-9	Bismuth	5.38E-04	10481		0
7440-70-2	Calcium	0		4	5
16887-00-6	Chloride	1.30E-05	10481		0

18540-29-9	Chromium	9.36E-05	10481	0	0
16984-48-8	Fluoride	1.47E-03	10481		0
OHDEMAND	Hydroxide OH	5.93E-03	10481		0
7439-89-6	Iron	0		25	5
7439-92-1	Lead	0		5.2	5
7439-96-5	Manganese	0		1	1
7439-97-6	Mercury	0		5.2	5
7440-02-0	Nickel	0		48	5
14797-55-8	Nitrate	1.00E-03	10481	0	0
14797-65-0	Nitrite	6.06E-05	10481	0	0
338-70-5	Oxalate	8.11E-04	10481		0
14265-44-2	Phosphate	3.32E-03	10481		0
7440-21-3	Silicon	0		30	5
7440-23-5	Sodium	4.33E-03	10481		0
7440-24-6	Strontium	0		16.1	5
14808-79-8	Sulfate	1.37E-03	10481		0
7440-29-1	Thorium	0		1	1
7440-61-1	Uranium	0		0.6	0.6
7440-67-7	Zirconium	0		500	5

Half-Life

Years	
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5730	241-B-102 TanksB-BX-BYFarm_Jan01_HTWOS.txt
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5.2713	**Major Assumptions Used:**
805000	Dilution factor for WMA-B-BX-BY: 40
28.149	Compliance Monitoring Start Year :2001
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1530000	
211097	
1.01736	
14.1	
246000	
2.7299	
15700000	
2.0619	
29.999	
89.997	
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432.7	
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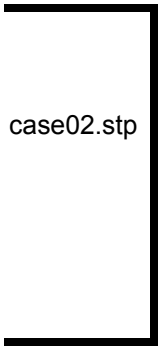
case02.stp

CAS Number	Analyte Name	Concentration pCi/L (Rad) or mg/L (Non-rad)	Peak Year	Kd	Kd Bin
3H	Tritium	0		0	0
14C	Carbon-14	2.42E-04	9781	0	0
59Ni	Nickel-59	0		48	5
63Ni	Nickel-63	0		48	5
60Co	Cobalt-60	0		0.1	0.1
79Se	Selenium-79	0		3.1	2
90Sr	Strontium-90 + D	0		16.1	5
93mNb	Niobium-93m	0		100	5
93Zr	Zirconium-93	0		600	5
99Tc	Technetium-99	7.26E-03	10461	0	0
106Ru	Ruthenium-106	0		1	1
113mCd	Cadmium-113m	0		1	1
126Sn	Tin-126	0		1	1
125Sb	Antimony-125	0		1	1
129I	Iodine-129	1.41E-11	12032	0.2	0.2
134Cs	Cesium-134	0		25	5
137Cs	Cesium-137 + Daughters	0		25	5
151Sm	Samarium-151	0		1	1
152Eu	Europium-152	0		1	1
154Eu	Europium-154	0		1	1
155Eu	Europium-155	0		1	1
226Ra	Radium-226 + D	0		1	1
227Ac	Actinium-227 + D	0		67	5
229Th	Thorium-229 + D	0		3	2
232Th	Thorium-232	0		3	2
231Pa	Protactinium-231	0		550	5
232U	Uranium-232	0		0.6	0.6
233U	Uranium-233	0		0.6	0.6
234U	Uranium-234	0		0.6	0.6
235U	Uranium-235 + D	0		0.6	0.6
236U	Uranium-236	0		0.6	0.6
238U	Uranium-238 + D	0		0.6	0.6
237Np	Neptunium-237 + D	0		2	2
238Pu	Plutonium-238	0		3	2
239Pu	Plutonium-239	0		3	2
240Pu	Plutonium-240	0		3	2
241Pu	Plutonium-241 + D	0		3	2
242Pu	Plutonium-242	0		3	2
241Am	Americium-241	0		3	2
243Am	Americium-243 + D	0		3	2
242Cm	Curium-242	0		3	2
243Cm	Curium-243	0		3	2
244Cm	Curium-244	0		3	2
7429-90-5	Aluminum	0		1	1
7440-69-9	Bismuth	5.21E-04	10481		0
7440-70-2	Calcium	0		4	5
16887-00-6	Chloride	1.00E-05	10481		0

18540-29-9	Chromium	9.04E-05	10481	0	0
16984-48-8	Fluoride	1.42E-03	10481		0
OHDEMAND	Hydroxide OH	6.45E-03	10481		0
7439-89-6	Iron	0		25	5
7439-92-1	Lead	0		5.2	5
7439-96-5	Manganese	0		1	1
7439-97-6	Mercury	0		5.2	5
7440-02-0	Nickel	0		48	5
14797-55-8	Nitrate	8.30E-04	10481	0	0
14797-65-0	Nitrite	5.33E-05	10481	0	0
338-70-5	Oxalate	9.12E-05	10481		0
14265-44-2	Phosphate	3.29E-03	10481		0
7440-21-3	Silicon	0		30	5
7440-23-5	Sodium	4.16E-03	10481		0
7440-24-6	Strontium	0		16.1	5
14808-79-8	Sulfate	1.34E-03	10481		0
7440-29-1	Thorium	0		1	1
7440-61-1	Uranium	0		0.6	0.6
7440-67-7	Zirconium	0		500	5

Half-Life

Years	
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12.33	**Decision Management Tool Version 4.0.0.37**
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74999	
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5.2713	**Major Assumptions Used:**
805000	Dilution factor for WMA-B-BX-BY: 40
28.149	Compliance Monitoring Start Year :2001
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1530000	
211097	
1.01736	
14.1	
246000	
2.7299	
15700000	
2.0619	
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14050000000	
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703700000	
23420000	
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6563	
14.35	
373507	
432.7	
7370	
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18.1	
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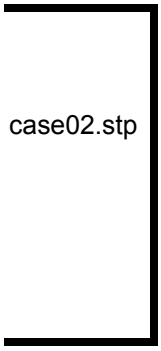
case02.stp

CAS Number	Analyte Name	Concentration	Peak Year	Kd	Kd Bin
		pCi/L (Rad) or mg/L (Non-rad)			
3H	Tritium	0		0	0
14C	Carbon-14	5.93E-04	9781	0	0
59Ni	Nickel-59	0		48	5
63Ni	Nickel-63	0		48	5
60Co	Cobalt-60	0		0.1	0.1
79Se	Selenium-79	0		3.1	2
90Sr	Strontium-90 + D	0		16.1	5
93mNb	Niobium-93m	0		100	5
93Zr	Zirconium-93	0		600	5
99Tc	Technetium-99	1.41E-01	10461	0	0
106Ru	Ruthenium-106	0		1	1
113mCd	Cadmium-113m	0		1	1
126Sn	Tin-126	0		1	1
125Sb	Antimony-125	0		1	1
129I	Iodine-129	8.88E-12	12032	0.2	0.2
134Cs	Cesium-134	0		25	5
137Cs	Cesium-137 + Daughters	0		25	5
151Sm	Samarium-151	0		1	1
152Eu	Europium-152	0		1	1
154Eu	Europium-154	0		1	1
155Eu	Europium-155	0		1	1
226Ra	Radium-226 + D	0		1	1
228Ra	Radium-228 + D	0		1	1
227Ac	Actinium-227 + D	0		67	5
229Th	Thorium-229 + D	0		3	2
232Th	Thorium-232	0		3	2
231Pa	Protactinium-231	0		550	5
232U	Uranium-232	0		0.6	0.6
233U	Uranium-233	0		0.6	0.6
234U	Uranium-234	0		0.6	0.6
235U	Uranium-235 + D	0		0.6	0.6
236U	Uranium-236	0		0.6	0.6
238U	Uranium-238 + D	0		0.6	0.6
237Np	Neptunium-237 + D	0		2	2
238Pu	Plutonium-238	0		3	2
239Pu	Plutonium-239	0		3	2
240Pu	Plutonium-240	0		3	2
241Pu	Plutonium-241 + D	0		3	2
242Pu	Plutonium-242	0		3	2
241Am	Americium-241	0		3	2
243Am	Americium-243 + D	0		3	2
242Cm	Curium-242	0		3	2
243Cm	Curium-243	0		3	2
244Cm	Curium-244	0		3	2
7429-90-5	Aluminum	0		1	1
7440-69-9	Bismuth	3.04E-03	10481		0
7440-70-2	Calcium	0		4	5

16887-00-6	Chloride	3.24E-05	10481		0
18540-29-9	Chromium	1.33E-04	10481	0	0
16984-48-8	Fluoride	3.86E-04	10481		0
OHDEMAND	Hydroxide OH	1.61E-03	10481		0
7439-89-6	Iron	0		25	5
7439-91-0	Lanthanum	4.36E-06	10481		0
7439-92-1	Lead	0		5.2	5
7439-93-2	Lithium	0		300	5
7439-96-5	Manganese	0		1	1
7439-97-6	Mercury	0		5.2	5
7440-02-0	Nickel	0		48	5
14797-55-8	Nitrate	4.28E-03	10481	0	0
14797-65-0	Nitrite	3.95E-05	10481	0	0
338-70-5	Oxalate	3.93E-04	10481		0
14265-44-2	Phosphate	3.59E-03	10481		0
7440-21-3	Silicon	0		30	5
7440-23-5	Sodium	3.83E-03	10481		0
7440-24-6	Strontium	0		16.1	5
14808-79-8	Sulfate	7.49E-04	10481		0
7440-61-1	Uranium	0		0.6	0.6
7440-67-7	Zirconium	0		500	5

Half-Life

Years	
	Report Generated on: 5/26/2005, 2:14:39 PM
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12.33	**Decision Management Tool Version 4.0.0.37**
5730	241-B-104 TanksB-BX-BYFarm_Jan01_HTWOS.txt
74999	
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5.2713	**Major Assumptions Used:**
805000	Dilution factor for WMA-B-BX-BY: 40
28.149	Compliance Monitoring Start Year :2001
16.13	
1530000	
211097	
1.01736	
14.1	
246000	
2.7299	
15700000	
2.0619	
29.999	
89.997	
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87.697	
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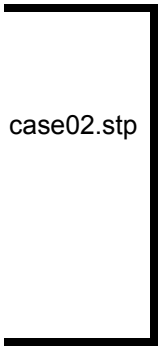
case02.stp

CAS Number	Analyte Name	Concentration pCi/L (Rad) or mg/L (Non-rad)	Peak Year	Kd	Kd Bin
3H	Tritium	0		0	0
14C	Carbon-14	2.53E-04	9781	0	0
59Ni	Nickel-59	0		48	5
63Ni	Nickel-63	0		48	5
60Co	Cobalt-60	0		0.1	0.1
79Se	Selenium-79	0		3.1	2
90Sr	Strontium-90 + D	0		16.1	5
93mNb	Niobium-93m	0		100	5
93Zr	Zirconium-93	0		600	5
99Tc	Technetium-99	1.53E-02	10461	0	0
106Ru	Ruthenium-106	0		1	1
113mCd	Cadmium-113m	0		1	1
126Sn	Tin-126	0		1	1
125Sb	Antimony-125	0		1	1
129I	Iodine-129	1.33E-11	12032	0.2	0.2
134Cs	Cesium-134	0		25	5
137Cs	Cesium-137 + Daughters	0		25	5
151Sm	Samarium-151	0		1	1
152Eu	Europium-152	0		1	1
154Eu	Europium-154	0		1	1
155Eu	Europium-155	0		1	1
226Ra	Radium-226 + D	0		1	1
227Ac	Actinium-227 + D	0		67	5
229Th	Thorium-229 + D	0		3	2
232Th	Thorium-232	0		3	2
231Pa	Protactinium-231	0		550	5
232U	Uranium-232	0		0.6	0.6
233U	Uranium-233	0		0.6	0.6
234U	Uranium-234	0		0.6	0.6
235U	Uranium-235 + D	0		0.6	0.6
236U	Uranium-236	0		0.6	0.6
238U	Uranium-238 + D	0		0.6	0.6
237Np	Neptunium-237 + D	0		2	2
238Pu	Plutonium-238	0		3	2
239Pu	Plutonium-239	0		3	2
240Pu	Plutonium-240	0		3	2
241Pu	Plutonium-241 + D	0		3	2
242Pu	Plutonium-242	0		3	2
241Am	Americium-241	0		3	2
243Am	Americium-243 + D	0		3	2
242Cm	Curium-242	0		3	2
243Cm	Curium-243	0		3	2
244Cm	Curium-244	0		3	2
7429-90-5	Aluminum	0		1	1
7440-69-9	Bismuth	1.07E-03	10481		0
7440-70-2	Calcium	0		4	5
16887-00-6	Chloride	1.05E-05	10481		0

18540-29-9	Chromium	1.46E-04	10481	0	0
16984-48-8	Fluoride	2.09E-03	10481		0
OHDEMAND	Hydroxide OH	9.34E-03	10481		0
7439-89-6	Iron	0		25	5
7439-91-0	Lanthanum	1.70E-07	10481		0
7439-92-1	Lead	0		5.2	5
7439-96-5	Manganese	0		1	1
7439-97-6	Mercury	0		5.2	5
7440-02-0	Nickel	0		48	5
14797-55-8	Nitrate	1.06E-03	10481	0	0
14797-65-0	Nitrite	8.21E-05	10481	0	0
338-70-5	Oxalate	2.13E-04	10481		0
14265-44-2	Phosphate	6.13E-04	10481		0
7440-21-3	Silicon	0		30	5
7440-23-5	Sodium	2.42E-03	10481		0
7440-24-6	Strontium	0		16.1	5
14808-79-8	Sulfate	1.94E-03	10481		0
7440-29-1	Thorium	0		1	1
7440-61-1	Uranium	0		0.6	0.6
7440-67-7	Zirconium	0		500	5

Half-Life

Years	
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	Report Generated by H0098416 (David J. Watson)
12.33	**Decision Management Tool Version 4.0.0.37**
5730	241-B-105 TanksB-BX-BYFarm_Jan01_HTWOS.txt
74999	
100.1	
5.2713	**Major Assumptions Used:**
805000	Dilution factor for WMA-B-BX-BY: 40
28.149	Compliance Monitoring Start Year :2001
16.13	
1530000	
211097	
1.01736	
14.1	
246000	
2.7299	
15700000	
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29.999	
89.997	
13.33	
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4.68	
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69.799	
159198	
245694	
703700000	
23420000	
4468000000	
2140000	
87.697	
24110	
6563	
14.35	
373507	
432.7	
7370	
0.44611	
28.499	
18.1	
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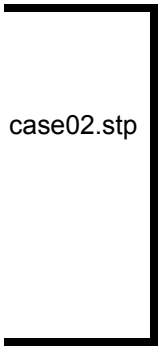
case02.stp

CAS Number	Analyte Name	Concentration	Peak Year	Kd	Kd Bin
		pCi/L (Rad) or mg/L (Non-rad)			
3H	Tritium	0		0	0
14C	Carbon-14	3.90E-04	9781	0	0
59Ni	Nickel-59	0		48	5
63Ni	Nickel-63	0		48	5
60Co	Cobalt-60	0		0.1	0.1
79Se	Selenium-79	0		3.1	2
90Sr	Strontium-90 + D	0		16.1	5
93mNb	Niobium-93m	0		100	5
93Zr	Zirconium-93	0		600	5
99Tc	Technetium-99	8.01E-02	10461	0	0
106Ru	Ruthenium-106	0		1	1
113mCd	Cadmium-113m	0		1	1
126Sn	Tin-126	0		1	1
125Sb	Antimony-125	0		1	1
129I	Iodine-129	1.06E-11	12032	0.2	0.2
134Cs	Cesium-134	0		25	5
137Cs	Cesium-137 + Daughters	0		25	5
151Sm	Samarium-151	0		1	1
152Eu	Europium-152	0		1	1
154Eu	Europium-154	0		1	1
155Eu	Europium-155	0		1	1
226Ra	Radium-226 + D	0		1	1
228Ra	Radium-228 + D	0		1	1
227Ac	Actinium-227 + D	0		67	5
229Th	Thorium-229 + D	0		3	2
232Th	Thorium-232	0		3	2
231Pa	Protactinium-231	0		550	5
232U	Uranium-232	0		0.6	0.6
233U	Uranium-233	0		0.6	0.6
234U	Uranium-234	0		0.6	0.6
235U	Uranium-235 + D	0		0.6	0.6
236U	Uranium-236	0		0.6	0.6
238U	Uranium-238 + D	0		0.6	0.6
237Np	Neptunium-237 + D	0		2	2
238Pu	Plutonium-238	0		3	2
239Pu	Plutonium-239	0		3	2
240Pu	Plutonium-240	0		3	2
241Pu	Plutonium-241 + D	0		3	2
242Pu	Plutonium-242	0		3	2
241Am	Americium-241	0		3	2
243Am	Americium-243 + D	0		3	2
242Cm	Curium-242	0		3	2
243Cm	Curium-243	0		3	2
244Cm	Curium-244	0		3	2
7429-90-5	Aluminum	0		1	1
7440-36-0	Antimony	0		1	1
7440-38-2	Arsenic	0		39	5

7440-39-3	Barium	0		60	5
7440-41-7	Beryllium	0		70	5
7440-69-9	Bismuth	1.34E-03	10481		0
7440-42-8	Boron	0		3	2
7440-43-9	Cadmium	0		1.26	1
7440-70-2	Calcium	0		4	5
7440-45-1	Cerium	1.72E-05	10481		0
16887-00-6	Chloride	1.39E-05	10481		0
18540-29-9	Chromium	6.10E-05	10481	0	0
7440-48-4	Cobalt	1.74E-08	12032	0.1	0.1
7440-50-8	Copper	0		35	5
16984-48-8	Fluoride	3.38E-04	10481		0
OHDEMAND	Hydroxide OH	2.44E-03	10481		0
7439-89-6	Iron	0		25	5
7439-91-0	Lanthanum	3.22E-06	10481		0
7439-92-1	Lead	0		5.2	5
7439-93-2	Lithium	0		300	5
7439-95-4	Magnesium	0		4.5	5
7439-96-5	Manganese	0		1	1
7439-97-6	Mercury	0		5.2	5
7439-98-7	Molybdenum	0		4	5
7440-00-8	Neodymium	1.31E-05	10481		0
7440-02-0	Nickel	0		48	5
14797-55-8	Nitrate	1.69E-03	10481	0	0
14797-65-0	Nitrite	6.79E-05	10481	0	0
338-70-5	Oxalate	6.16E-05	10481		0
14265-44-2	Phosphate	7.19E-03	10481		0
7782-49-2	Selenium	0		5	5
7440-21-3	Silicon	0		30	5
7440-22-4	Silver	0		2.7	2
7440-23-5	Sodium	3.15E-03	10481		0
7440-24-6	Strontium	0		16.1	5
14808-79-8	Sulfate	5.82E-04	10481		0
7440-32-6	Titanium	0		1000	5
7440-61-1	Uranium	0		0.6	0.6
7440-62-2	Vanadium	0		50	5
7440-66-6	Zinc	0		62	5
7440-67-7	Zirconium	0		500	5

Half-Life

Years	
	Report Generated on: 5/26/2005, 2:14:54 PM
	Report Generated by H0098416 (David J. Watson)
12.33	**Decision Management Tool Version 4.0.0.37**
5730	241-B-106 TanksB-BX-BYFarm_Jan01_HTWOS.txt
74999	
100.1	
5.2713	**Major Assumptions Used:**
805000	Dilution factor for WMA-B-BX-BY: 40
28.149	Compliance Monitoring Start Year :2001
16.13	
1530000	
211097	
1.01736	
14.1	
246000	
2.7299	
15700000	
2.0619	
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13.33	
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14.35	
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7370	
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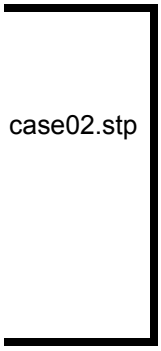
case02.stp

CAS Number	Analyte Name	Concentration	Peak Year	Kd	Kd Bin
		pCi/L (Rad) or mg/L (Non-rad)			
3H	Tritium	0		0	0
14C	Carbon-14	2.62E-03	9781	0	0
59Ni	Nickel-59	0		48	5
63Ni	Nickel-63	0		48	5
60Co	Cobalt-60	0		0.1	0.1
79Se	Selenium-79	0		3.1	2
90Sr	Strontium-90 + D	0		16.1	5
93mNb	Niobium-93m	0		100	5
93Zr	Zirconium-93	0		600	5
99Tc	Technetium-99	4.65E-01	10461	0	0
106Ru	Ruthenium-106	0		1	1
113mCd	Cadmium-113m	0		1	1
126Sn	Tin-126	0		1	1
125Sb	Antimony-125	0		1	1
129I	Iodine-129	4.77E-10	12032	0.2	0.2
134Cs	Cesium-134	0		25	5
137Cs	Cesium-137 + Daughters	0		25	5
151Sm	Samarium-151	0		1	1
152Eu	Europium-152	0		1	1
154Eu	Europium-154	0		1	1
155Eu	Europium-155	0		1	1
226Ra	Radium-226 + D	0		1	1
228Ra	Radium-228 + D	0		1	1
227Ac	Actinium-227 + D	0		67	5
229Th	Thorium-229 + D	0		3	2
232Th	Thorium-232	0		3	2
231Pa	Protactinium-231	0		550	5
232U	Uranium-232	0		0.6	0.6
233U	Uranium-233	0		0.6	0.6
234U	Uranium-234	0		0.6	0.6
235U	Uranium-235 + D	0		0.6	0.6
236U	Uranium-236	0		0.6	0.6
238U	Uranium-238 + D	0		0.6	0.6
237Np	Neptunium-237 + D	0		2	2
238Pu	Plutonium-238	0		3	2
239Pu	Plutonium-239	0		3	2
240Pu	Plutonium-240	0		3	2
241Pu	Plutonium-241 + D	0		3	2
242Pu	Plutonium-242	0		3	2
241Am	Americium-241	0		3	2
243Am	Americium-243 + D	0		3	2
242Cm	Curium-242	0		3	2
243Cm	Curium-243	0		3	2
244Cm	Curium-244	0		3	2
7429-90-5	Aluminum	0		1	1
7440-39-3	Barium	0		60	5
7440-41-7	Beryllium	0		70	5

7440-69-9	Bismuth	1.15E-03	10481		0
7440-42-8	Boron	0		3	2
7440-43-9	Cadmium	0		1.26	1
7440-70-2	Calcium	0		4	5
16887-00-6	Chloride	2.56E-05	10481		0
18540-29-9	Chromium	2.66E-05	10481	0	0
7440-48-4	Cobalt	1.81E-08	12032	0.1	0.1
7440-50-8	Copper	0		35	5
16984-48-8	Fluoride	1.78E-03	10481		0
OHDEMAND	Hydroxide OH	4.42E-03	10481		0
7439-89-6	Iron	0		25	5
7439-91-0	Lanthanum	5.57E-07	10481		0
7439-92-1	Lead	0		5.2	5
7439-96-5	Manganese	0		1	1
7439-97-6	Mercury	0		5.2	5
7439-98-7	Molybdenum	0		4	5
7440-02-0	Nickel	0		48	5
14797-55-8	Nitrate	5.12E-03	10481	0	0
14797-65-0	Nitrite	1.08E-04	10481	0	0
338-70-5	Oxalate	8.86E-05	10481		0
14265-44-2	Phosphate	4.89E-03	10481		0
7440-21-3	Silicon	0		30	5
7440-22-4	Silver	0		2.7	2
7440-23-5	Sodium	6.35E-03	10481		0
7440-24-6	Strontium	0		16.1	5
14808-79-8	Sulfate	2.38E-03	10481		0
7440-29-1	Thorium	0		1	1
7440-32-6	Titanium	0		1000	5
7440-61-1	Uranium	0		0.6	0.6
7440-62-2	Vanadium	0		50	5
7440-66-6	Zinc	0		62	5
7440-67-7	Zirconium	0		500	5

Half-Life

Years	
	Report Generated on: 5/26/2005, 2:15:02 PM
	Report Generated by H0098416 (David J. Watson)
12.33	**Decision Management Tool Version 4.0.0.37**
5730	241-B-107 TanksB-BX-BYFarm_Jan01_HTWOS.txt
74999	
100.1	
5.2713	**Major Assumptions Used:**
805000	Dilution factor for WMA-B-BX-BY: 40
28.149	Compliance Monitoring Start Year :2001
16.13	
1530000	
211097	
1.01736	
14.1	
246000	
2.7299	
15700000	
2.0619	
29.999	
89.997	
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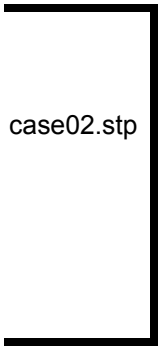
case02.stp

CAS Number	Analyte Name	Concentration	Peak Year	Kd	Kd Bin
		pCi/L (Rad) or mg/L (Non-rad)			
3H	Tritium	0		0	0
14C	Carbon-14	6.52E-04	9781	0	0
59Ni	Nickel-59	0		48	5
63Ni	Nickel-63	0		48	5
60Co	Cobalt-60	0		0.1	0.1
79Se	Selenium-79	0		3.1	2
90Sr	Strontium-90 + D	0		16.1	5
93mNb	Niobium-93m	0		100	5
93Zr	Zirconium-93	0		600	5
99Tc	Technetium-99	3.44E-03	10461	0	0
106Ru	Ruthenium-106	0		1	1
113mCd	Cadmium-113m	0		1	1
126Sn	Tin-126	0		1	1
125Sb	Antimony-125	0		1	1
129I	Iodine-129	3.34E-10	12032	0.2	0.2
134Cs	Cesium-134	0		25	5
137Cs	Cesium-137 + Daughters	0		25	5
151Sm	Samarium-151	0		1	1
152Eu	Europium-152	0		1	1
154Eu	Europium-154	0		1	1
155Eu	Europium-155	0		1	1
226Ra	Radium-226 + D	0		1	1
227Ac	Actinium-227 + D	0		67	5
229Th	Thorium-229 + D	0		3	2
232Th	Thorium-232	0		3	2
231Pa	Protactinium-231	0		550	5
232U	Uranium-232	0		0.6	0.6
233U	Uranium-233	0		0.6	0.6
234U	Uranium-234	0		0.6	0.6
235U	Uranium-235 + D	0		0.6	0.6
236U	Uranium-236	0		0.6	0.6
238U	Uranium-238 + D	0		0.6	0.6
237Np	Neptunium-237 + D	0		2	2
238Pu	Plutonium-238	0		3	2
239Pu	Plutonium-239	0		3	2
240Pu	Plutonium-240	0		3	2
241Pu	Plutonium-241 + D	0		3	2
242Pu	Plutonium-242	0		3	2
241Am	Americium-241	0		3	2
243Am	Americium-243 + D	0		3	2
242Cm	Curium-242	0		3	2
243Cm	Curium-243	0		3	2
244Cm	Curium-244	0		3	2
7429-90-5	Aluminum	0		1	1
7440-41-7	Beryllium	0		70	5
7440-69-9	Bismuth	1.77E-04	10481		0
7440-43-9	Cadmium	0		1.26	1

7440-70-2	Calcium	0		4	5
16887-00-6	Chloride	5.32E-06	10481		0
18540-29-9	Chromium	8.45E-06	10481	0	0
16984-48-8	Fluoride	1.22E-03	10481		0
OHDEMAND	Hydroxide OH	1.03E-02	10481		0
7439-89-6	Iron	0		25	5
7439-91-0	Lanthanum	2.82E-06	10481		0
7439-92-1	Lead	0		5.2	5
7439-96-5	Manganese	0		1	1
7439-97-6	Mercury	0		5.2	5
7440-02-0	Nickel	0		48	5
14797-55-8	Nitrate	4.11E-04	10481	0	0
14797-65-0	Nitrite	7.13E-05	10481	0	0
338-70-5	Oxalate	8.84E-05	10481		0
14265-44-2	Phosphate	7.24E-04	10481		0
7440-21-3	Silicon	0		30	5
7440-23-5	Sodium	1.97E-03	10481		0
7440-24-6	Strontium	0		16.1	5
14808-79-8	Sulfate	1.00E-03	10481		0
7440-29-1	Thorium	0		1	1
7440-61-1	Uranium	0		0.6	0.6
7440-67-7	Zirconium	0		500	5

Half-Life

Years	
	Report Generated on: 5/26/2005, 2:15:13 PM
	Report Generated by H0098416 (David J. Watson)
12.33	**Decision Management Tool Version 4.0.0.37**
5730	241-B-108 TanksB-BX-BYFarm_Jan01_HTWOS.txt
74999	
100.1	
5.2713	**Major Assumptions Used:**
805000	Dilution factor for WMA-B-BX-BY: 40
28.149	Compliance Monitoring Start Year :2001
16.13	
1530000	
211097	
1.01736	
14.1	
246000	
2.7299	
15700000	
2.0619	
29.999	
89.997	
13.33	
8.5919	
4.68	
1600	
21.769	
7340	
14050000000	
32759	
69.799	
159198	
245694	
703700000	
23420000	
4468000000	
2140000	
87.697	
24110	
6563	
14.35	
373507	
432.7	
7370	
0.44611	
28.499	
18.1	
Infinity	
Infinity	
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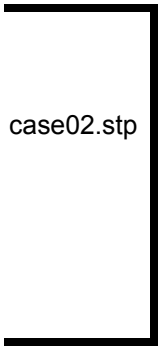
case02.stp

CAS Number	Analyte Name	Concentration pCi/L (Rad) or mg/L (Non-rad)	Peak Year	Kd	Kd Bin
3H	Tritium	0		0	0
14C	Carbon-14	6.10E-04	9781	0	0
59Ni	Nickel-59	0		48	5
63Ni	Nickel-63	0		48	5
60Co	Cobalt-60	0		0.1	0.1
79Se	Selenium-79	0		3.1	2
90Sr	Strontium-90 + D	0		16.1	5
93mNb	Niobium-93m	0		100	5
93Zr	Zirconium-93	0		600	5
99Tc	Technetium-99	2.71E-03	10461	0	0
106Ru	Ruthenium-106	0		1	1
113mCd	Cadmium-113m	0		1	1
126Sn	Tin-126	0		1	1
125Sb	Antimony-125	0		1	1
129I	Iodine-129	3.23E-10	12032	0.2	0.2
134Cs	Cesium-134	0		25	5
137Cs	Cesium-137 + Daughters	0		25	5
151Sm	Samarium-151	0		1	1
152Eu	Europium-152	0		1	1
154Eu	Europium-154	0		1	1
155Eu	Europium-155	0		1	1
226Ra	Radium-226 + D	0		1	1
227Ac	Actinium-227 + D	0		67	5
229Th	Thorium-229 + D	0		3	2
232Th	Thorium-232	0		3	2
231Pa	Protactinium-231	0		550	5
232U	Uranium-232	0		0.6	0.6
233U	Uranium-233	0		0.6	0.6
234U	Uranium-234	0		0.6	0.6
235U	Uranium-235 + D	0		0.6	0.6
236U	Uranium-236	0		0.6	0.6
238U	Uranium-238 + D	0		0.6	0.6
237Np	Neptunium-237 + D	0		2	2
238Pu	Plutonium-238	0		3	2
239Pu	Plutonium-239	0		3	2
240Pu	Plutonium-240	0		3	2
241Pu	Plutonium-241 + D	0		3	2
242Pu	Plutonium-242	0		3	2
241Am	Americium-241	0		3	2
243Am	Americium-243 + D	0		3	2
242Cm	Curium-242	0		3	2
243Cm	Curium-243	0		3	2
244Cm	Curium-244	0		3	2
7429-90-5	Aluminum	0		1	1
7440-69-9	Bismuth	2.44E-04	10481		0
7440-70-2	Calcium	0		4	5
16887-00-6	Chloride	4.41E-06	10481		0

18540-29-9	Chromium	6.52E-05	10481	0	0
16984-48-8	Fluoride	8.49E-04	10481		0
OHDEMAND	Hydroxide OH	9.50E-03	10481		0
7439-89-6	Iron	0		25	5
7439-91-0	Lanthanum	2.75E-06	10481		0
7439-92-1	Lead	0		5.2	5
7439-96-5	Manganese	0		1	1
7439-97-6	Mercury	0		5.2	5
7440-02-0	Nickel	0		48	5
14797-55-8	Nitrate	4.83E-04	10481	0	0
14797-65-0	Nitrite	2.63E-05	10481	0	0
338-70-5	Oxalate	3.08E-04	10481		0
14265-44-2	Phosphate	1.28E-03	10481		0
7440-21-3	Silicon	0		30	5
7440-23-5	Sodium	2.69E-03	10481		0
7440-24-6	Strontium	0		16.1	5
14808-79-8	Sulfate	3.75E-04	10481		0
7440-29-1	Thorium	0		1	1
7440-61-1	Uranium	0		0.6	0.6
7440-67-7	Zirconium	0		500	5

Half-Life

Years	
	Report Generated on: 5/26/2005, 2:16:56 PM
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12.33	**Decision Management Tool Version 4.0.0.37**
5730	241-B-109 TanksB-BX-BYFarm_Jan01_HTWOS.txt
74999	
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5.2713	**Major Assumptions Used:**
805000	Dilution factor for WMA-B-BX-BY: 40
28.149	Compliance Monitoring Start Year :2001
16.13	
1530000	
211097	
1.01736	
14.1	
246000	
2.7299	
15700000	
2.0619	
29.999	
89.997	
13.33	
8.5919	
4.68	
1600	
21.769	
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69.799	
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6563	
14.35	
373507	
432.7	
7370	
0.44611	
28.499	
18.1	
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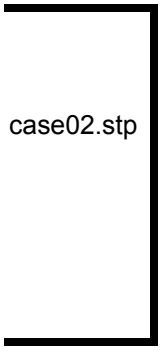
case02.stp

CAS Number	Analyte Name	Concentration	Peak Year	Kd
		pCi/L (Rad) or mg/L (Non-rad)		
3H	Tritium	0		0
14C	Carbon-14	1.56E-02	9781	0
59Ni	Nickel-59	0		48
63Ni	Nickel-63	0		48
60Co	Cobalt-60	0		0.1
79Se	Selenium-79	0		3.1
90Sr	Strontium-90 + D	0		16.1
93mNb	Niobium-93m	0		100
93Zr	Zirconium-93	0		600
99Tc	Technetium-99	6.47E-01	10461	0
106Ru	Ruthenium-106	0		1
113mCd	Cadmium-113m	0		1
126Sn	Tin-126	0		1
125Sb	Antimony-125	0		1
129I	Iodine-129	2.99E-11	12032	0.2
134Cs	Cesium-134	0		25
137Cs	Cesium-137 + Daughters	0		25
151Sm	Samarium-151	0		1
152Eu	Europium-152	0		1
154Eu	Europium-154	0		1
155Eu	Europium-155	0		1
226Ra	Radium-226 + D	0		1
228Ra	Radium-228 + D	0		1
227Ac	Actinium-227 + D	0		67
229Th	Thorium-229 + D	0		3
232Th	Thorium-232	0		3
231Pa	Protactinium-231	0		550
232U	Uranium-232	0		0.6
233U	Uranium-233	0		0.6
234U	Uranium-234	0		0.6
235U	Uranium-235 + D	0		0.6
236U	Uranium-236	0		0.6
238U	Uranium-238 + D	0		0.6
237Np	Neptunium-237 + D	0		2
238Pu	Plutonium-238	0		3
239Pu	Plutonium-239	0		3
240Pu	Plutonium-240	0		3
241Pu	Plutonium-241 + D	0		3
242Pu	Plutonium-242	0		3
241Am	Americium-241	0		3
243Am	Americium-243 + D	0		3
242Cm	Curium-242	0		3
243Cm	Curium-243	0		3
244Cm	Curium-244	0		3
7429-90-5	Aluminum	0		1
7664-41-7	Ammonia -- (a)	4.28E-05	10481	0.00093
7440-36-0	Antimony	0		1

7440-39-3	Barium	0		60
7440-41-7	Beryllium	0		70
7440-69-9	Bismuth	2.94E-03	10481	
7440-42-8	Boron	0		3
7440-43-9	Cadmium	0		1.26
7440-70-2	Calcium	0		4
7440-45-1	Cerium	5.90E-06	10481	
16887-00-6	Chloride	3.84E-05	10481	
18540-29-9	Chromium	1.22E-04	10481	0
7440-48-4	Cobalt	5.30E-08	12032	0.1
7440-50-8	Copper	0		35
16984-48-8	Fluoride	2.08E-04	10481	
OHDEMAND	Hydroxide OH	4.66E-03	10481	
7439-89-6	Iron	0		25
7439-91-0	Lanthanum	5.06E-06	10481	
7439-92-1	Lead	0		5.2
7439-93-2	Lithium	0		300
7439-95-4	Magnesium	0		4.5
7439-96-5	Manganese	0		1
7439-97-6	Mercury	0		5.2
7439-98-7	Molybdenum	0		4
7440-00-8	Neodymium	1.59E-06	10481	
7440-02-0	Nickel	0		48
14797-55-8	Nitrate	8.11E-03	10481	0
14797-65-0	Nitrite	4.25E-04	10481	0
338-70-5	Oxalate	3.83E-05	10481	
14265-44-2	Phosphate	5.02E-03	10481	
7440-16-6	Rhodium	1.42E-06	10481	
7440-18-8	Ruthenium	0		1
7782-49-2	Selenium	0		5
7440-21-3	Silicon	0		30
7440-22-4	Silver	0		2.7
7440-23-5	Sodium	4.09E-03	10481	
7440-24-6	Strontium	0		16.1
14808-79-8	Sulfate	4.89E-04	10481	
13494-80-9	Tellurium	2.07E-06	10481	
7440-32-6	Titanium	0		1000
7440-61-1	Uranium	0		0.6
7440-62-2	Vanadium	0		50
7440-66-6	Zinc	0		62
7440-67-7	Zirconium	0		500

Kd Bin	Half-Life
	Years
0	12.33
0	5730
5	74999
5	100.1
0.1	5.2713
2	805000
5	28.149
5	16.13
5	1530000
0	211097
1	1.01736
1	14.1
1	246000
1	2.7299
0.2	15700000
5	2.0619
5	29.999
1	89.997
1	13.33
1	8.5919
1	4.68
1	1600
1	5.7498
5	21.769
2	7340
2	14050000000
5	32759
0.6	69.799
0.6	159198
0.6	245694
0.6	703700000
0.6	23420000
0.6	4468000000
2	2140000
2	87.697
2	24110
2	6563
2	14.35
2	373507
2	432.7
2	7370
2	0.44611
2	28.499
2	18.1
1	Infinity
0	Infinity
1	Infinity

Report Generated on: 5/26/2005, 2:19:58 PM
Report Generated by H0098416 (David J. Watson)
Decision Management Tool Version 4.0.0.37
241-B-110 TanksB-BX-BYFarm_Jan01_HTWOS.txt

Major Assumptions Used:
Dilution factor for WMA-B-BX-BY: 40
Compliance Monitoring Start Year :2001

5	Infinity
5	Infinity
0	Infinity
2	Infinity
1	Infinity
5	Infinity
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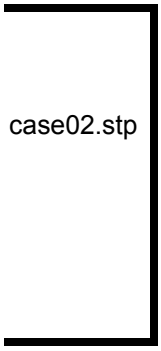
case02.stp

CAS Number	Analyte Name	Concentration	Peak Year	Kd	Kd Bin
		pCi/L (Rad) or mg/L (Non-rad)			
3H	Tritium	0		0	0
14C	Carbon-14	1.89E-02	9781	0	0
59Ni	Nickel-59	0		48	5
63Ni	Nickel-63	0		48	5
60Co	Cobalt-60	0		0.1	0.1
79Se	Selenium-79	0		3.1	2
90Sr	Strontium-90 + D	0		16.1	5
93mNb	Niobium-93m	0		100	5
93Zr	Zirconium-93	0		600	5
99Tc	Technetium-99	4.32E+00	10461	0	0
106Ru	Ruthenium-106	0		1	1
113mCd	Cadmium-113m	0		1	1
126Sn	Tin-126	0		1	1
125Sb	Antimony-125	0		1	1
129I	Iodine-129	1.57E-11	12032	0.2	0.2
134Cs	Cesium-134	0		25	5
137Cs	Cesium-137 + Daughters	0		25	5
151Sm	Samarium-151	0		1	1
152Eu	Europium-152	0		1	1
154Eu	Europium-154	0		1	1
155Eu	Europium-155	0		1	1
226Ra	Radium-226 + D	0		1	1
228Ra	Radium-228 + D	0		1	1
227Ac	Actinium-227 + D	0		67	5
229Th	Thorium-229 + D	0		3	2
232Th	Thorium-232	0		3	2
231Pa	Protactinium-231	0		550	5
232U	Uranium-232	0		0.6	0.6
233U	Uranium-233	0		0.6	0.6
234U	Uranium-234	0		0.6	0.6
235U	Uranium-235 + D	0		0.6	0.6
236U	Uranium-236	0		0.6	0.6
238U	Uranium-238 + D	0		0.6	0.6
237Np	Neptunium-237 + D	0		2	2
238Pu	Plutonium-238	0		3	2
239Pu	Plutonium-239	0		3	2
240Pu	Plutonium-240	0		3	2
241Pu	Plutonium-241 + D	0		3	2
242Pu	Plutonium-242	0		3	2
241Am	Americium-241	0		3	2
243Am	Americium-243 + D	0		3	2
242Cm	Curium-242	0		3	2
243Cm	Curium-243	0		3	2
244Cm	Curium-244	0		3	2
7429-90-5	Aluminum	0		1	1
7440-36-0	Antimony	0		1	1
7440-38-2	Arsenic	0		39	5

7440-39-3	Barium	0		60	5
7440-41-7	Beryllium	0		70	5
7440-69-9	Bismuth	3.10E-03	10481		0
7440-42-8	Boron	0		3	2
7440-43-9	Cadmium	0		1.26	1
7440-70-2	Calcium	0		4	5
7440-45-1	Cerium	3.34E-06	10481		0
16887-00-6	Chloride	2.93E-05	10481		0
18540-29-9	Chromium	1.43E-04	10481	0	0
7440-48-4	Cobalt	3.38E-09	12032	0.1	0.1
7440-50-8	Copper	0		35	5
57-12-5	Cyanide	0		9.9	5
16984-48-8	Fluoride	1.71E-04	10481		0
OHDEMAND	Hydroxide OH	5.24E-03	10481		0
7439-89-6	Iron	0		25	5
7439-91-0	Lanthanum	1.11E-06	10481		0
7439-92-1	Lead	0		5.2	5
7439-93-2	Lithium	0		300	5
7439-95-4	Magnesium	0		4.5	5
7439-96-5	Manganese	0		1	1
7439-97-6	Mercury	0		5.2	5
7439-98-7	Molybdenum	0		4	5
7440-00-8	Neodymium	3.42E-06	10481		0
7440-02-0	Nickel	0		48	5
14797-55-8	Nitrate	3.38E-03	10481	0	0
14797-65-0	Nitrite	1.74E-03	10481	0	0
338-70-5	Oxalate	1.17E-04	10481		0
14265-44-2	Phosphate	4.58E-03	10481		0
7440-16-6	Rhodium	3.12E-06	10481		0
7440-18-8	Ruthenium	0		1	1
7782-49-2	Selenium	0		5	5
7440-21-3	Silicon	0		30	5
7440-22-4	Silver	0		2.7	2
7440-23-5	Sodium	3.62E-03	10481		0
7440-24-6	Strontium	0		16.1	5
14808-79-8	Sulfate	4.67E-04	10481		0
13494-80-9	Tellurium	3.34E-06	10481		0
7440-28-0	Thallium	0		71	5
7440-32-6	Titanium	0		1000	5
7440-33-7	Tungsten	2.50E-06	10481		0
7440-61-1	Uranium	0		0.6	0.6
7440-62-2	Vanadium	0		50	5
7440-65-5	Yttrium	4.03E-07	10481		0
7440-66-6	Zinc	0		62	5
7440-67-7	Zirconium	0		500	5

Half-Life

Half-Life	
Years	**Report Generated on: 5/26/2005, 2:20:19 PM**
	Report Generated by H0098416 (David J. Watson)
12.33	**Decision Management Tool Version 4.0.0.37**
5730	241-B-111 TanksB-BX-BYFarm_Jan01_HTWOS.txt
74999	
100.1	
5.2713	**Major Assumptions Used:**
805000	Dilution factor for WMA-B-BX-BY: 40
28.149	Compliance Monitoring Start Year :2001
16.13	
1530000	
211097	
1.01736	
14.1	
246000	
2.7299	
15700000	
2.0619	
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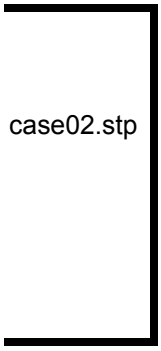
case02.stp

CAS Number	Analyte Name	Concentration pCi/L (Rad) or mg/L (Non-rad)	Peak Year	Kd	Kd Bin
3H	Tritium	0		0	0
14C	Carbon-14	6.32E-03	9781	0	0
59Ni	Nickel-59	0		48	5
63Ni	Nickel-63	0		48	5
60Co	Cobalt-60	0		0.1	0.1
79Se	Selenium-79	0		3.1	2
90Sr	Strontium-90 + D	0		16.1	5
93mNb	Niobium-93m	0		100	5
93Zr	Zirconium-93	0		600	5
99Tc	Technetium-99	4.90E-01	10461	0	0
106Ru	Ruthenium-106	0		1	1
113mCd	Cadmium-113m	0		1	1
126Sn	Tin-126	0		1	1
125Sb	Antimony-125	0		1	1
129I	Iodine-129	2.24E-09	12032	0.2	0.2
134Cs	Cesium-134	0		25	5
137Cs	Cesium-137 + Daughters	0		25	5
151Sm	Samarium-151	0		1	1
152Eu	Europium-152	0		1	1
154Eu	Europium-154	0		1	1
155Eu	Europium-155	0		1	1
226Ra	Radium-226 + D	0		1	1
228Ra	Radium-228 + D	0		1	1
227Ac	Actinium-227 + D	0		67	5
229Th	Thorium-229 + D	0		3	2
232Th	Thorium-232	0		3	2
231Pa	Protactinium-231	0		550	5
232U	Uranium-232	0		0.6	0.6
233U	Uranium-233	0		0.6	0.6
234U	Uranium-234	0		0.6	0.6
235U	Uranium-235 + D	0		0.6	0.6
236U	Uranium-236	0		0.6	0.6
238U	Uranium-238 + D	0		0.6	0.6
237Np	Neptunium-237 + D	0		2	2
238Pu	Plutonium-238	0		3	2
239Pu	Plutonium-239	0		3	2
240Pu	Plutonium-240	0		3	2
241Pu	Plutonium-241 + D	0		3	2
242Pu	Plutonium-242	0		3	2
241Am	Americium-241	0		3	2
243Am	Americium-243 + D	0		3	2
242Cm	Curium-242	0		3	2
243Cm	Curium-243	0		3	2
244Cm	Curium-244	0		3	2
7429-90-5	Aluminum	0		1	1
7440-69-9	Bismuth	2.24E-03	10481		0
7440-70-2	Calcium	0		4	5

16887-00-6	Chloride	1.46E-05	10481		0
18540-29-9	Chromium	1.68E-04	10481	0	0
16984-48-8	Fluoride	3.70E-04	10481		0
OHDEMAND	Hydroxide OH	5.74E-03	10481		0
7439-89-6	Iron	0		25	5
7439-91-0	Lanthanum	1.91E-06	10481		0
7439-92-1	Lead	0		5.2	5
7439-96-5	Manganese	0		1	1
7439-97-6	Mercury	0		5.2	5
7440-02-0	Nickel	0		48	5
14797-55-8	Nitrate	2.81E-03	10481	0	0
14797-65-0	Nitrite	5.01E-04	10481	0	0
338-70-5	Oxalate	4.06E-04	10481		0
14265-44-2	Phosphate	2.55E-03	10481		0
7440-21-3	Silicon	0		30	5
7440-23-5	Sodium	4.09E-03	10481		0
7440-24-6	Strontium	0		16.1	5
14808-79-8	Sulfate	2.85E-04	10481		0
7440-29-1	Thorium	0		1	1
7440-61-1	Uranium	0		0.6	0.6
7440-67-7	Zirconium	0		500	5

Half-Life

Years	
	Report Generated on: 5/26/2005, 2:20:26 PM
	Report Generated by H0098416 (David J. Watson)
12.33	**Decision Management Tool Version 4.0.0.37**
5730	241-B-112 TanksB-BX-BYFarm_Jan01_HTWOS.txt
74999	
100.1	
5.2713	**Major Assumptions Used:**
805000	Dilution factor for WMA-B-BX-BY: 40
28.149	Compliance Monitoring Start Year :2001
16.13	
1530000	
211097	
1.01736	
14.1	
246000	
2.7299	
15700000	
2.0619	
29.999	
89.997	
13.33	
8.5919	
4.68	
1600	
5.7498	
21.769	
7340	
14050000000	
32759	
69.799	
159198	
245694	
703700000	
23420000	
4468000000	
2140000	
87.697	
24110	
6563	
14.35	
373507	
432.7	
7370	
0.44611	
28.499	
18.1	
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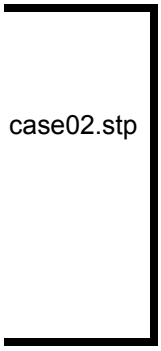
case02.stp

CAS Number	Analyte Name	Concentration pCi/L (Rad) or mg/L (Non-rad)	Peak Year	Kd	Kd Bin
3H	Tritium	0		0	0
14C	Carbon-14	2.33E-07	9781	0	0
59Ni	Nickel-59	0		48	5
63Ni	Nickel-63	0		48	5
60Co	Cobalt-60	0		0.1	0.1
79Se	Selenium-79	0		3.1	2
90Sr	Strontium-90 + D	0		16.1	5
99Tc	Technetium-99	5.46E-08	10461	0	0
106Ru	Ruthenium-106	0		1	1
113mCd	Cadmium-113m	0		1	1
126Sn	Tin-126	0		1	1
125Sb	Antimony-125	0		1	1
129I	Iodine-129	3.44E-17	12032	0.2	0.2
134Cs	Cesium-134	0		25	5
137Cs	Cesium-137 + Daughters	0		25	5
151Sm	Samarium-151	0		1	1
152Eu	Europium-152	0		1	1
154Eu	Europium-154	0		1	1
155Eu	Europium-155	0		1	1
226Ra	Radium-226 + D	0		1	1
228Ra	Radium-228 + D	0		1	1
227Ac	Actinium-227 + D	0		67	5
229Th	Thorium-229 + D	0		3	2
232Th	Thorium-232	0		3	2
231Pa	Protactinium-231	0		550	5
232U	Uranium-232	0		0.6	0.6
233U	Uranium-233	0		0.6	0.6
234U	Uranium-234	0		0.6	0.6
235U	Uranium-235 + D	0		0.6	0.6
236U	Uranium-236	0		0.6	0.6
238U	Uranium-238 + D	0		0.6	0.6
237Np	Neptunium-237 + D	0		2	2
238Pu	Plutonium-238	0		3	2
239Pu	Plutonium-239	0		3	2
240Pu	Plutonium-240	0		3	2
241Pu	Plutonium-241 + D	0		3	2
242Pu	Plutonium-242	0		3	2
241Am	Americium-241	0		3	2
243Am	Americium-243 + D	0		3	2
242Cm	Curium-242	0		3	2
243Cm	Curium-243	0		3	2
244Cm	Curium-244	0		3	2
7429-90-5	Aluminum	0		1	1
7440-36-0	Antimony	0		1	1
7440-38-2	Arsenic	0		39	5
7440-39-3	Barium	0		60	5
7440-69-9	Bismuth	4.22E-04	10481		0

7440-42-8	Boron	0		3	2
7440-43-9	Cadmium	0		1.26	1
7440-70-2	Calcium	0		4	5
7440-45-1	Cerium	2.07E-07	10481		0
16887-00-6	Chloride	7.63E-06	10481		0
18540-29-9	Chromium	1.59E-05	10481	0	0
7440-48-4	Cobalt	1.93E-09	12032	0.1	0.1
7440-50-8	Copper	0		35	5
57-12-5	Cyanide	0		9.9	5
16984-48-8	Fluoride	2.73E-05	10481		0
OHDEMAND	Hydroxide OH	3.68E-04	10481		0
7439-89-6	Iron	0		25	5
7439-91-0	Lanthanum	6.04E-05	10481		0
7439-92-1	Lead	0		5.2	5
7439-95-4	Magnesium	0		4.5	5
7439-96-5	Manganese	0		1	1
7439-97-6	Mercury	0		5.2	5
7439-98-7	Molybdenum	0		4	5
7440-00-8	Neodymium	6.06E-07	10481		0
7440-02-0	Nickel	0		48	5
14797-55-8	Nitrate	2.30E-04	10481	0	0
14797-65-0	Nitrite	4.01E-06	10481	0	0
338-70-5	Oxalate	2.73E-05	10481		0
14265-44-2	Phosphate	6.60E-05	10481		0
7782-49-2	Selenium	0		5	5
7440-21-3	Silicon	0		30	5
7440-22-4	Silver	0		2.7	2
7440-23-5	Sodium	1.56E-04	10481		0
7440-24-6	Strontium	0		16.1	5
14808-79-8	Sulfate	1.58E-06	10481		0
7440-29-1	Thorium	0		1	1
7440-32-6	Titanium	0		1000	5
7440-33-7	Tungsten	8.19E-08	10481		0
7440-61-1	Uranium	0		0.6	0.6
7440-62-2	Vanadium	0		50	5
7440-65-5	Yttrium	1.68E-08	10481		0
7440-66-6	Zinc	0		62	5
7440-67-7	Zirconium	0		500	5

Half-Life

Years	
	Report Generated on: 5/26/2005, 2:20:33 PM
	Report Generated by H0098416 (David J. Watson)
12.33	**Decision Management Tool Version 4.0.0.37**
5730	241-B-201 TanksB-BX-BYFarm_Jan01_HTWOS.txt
74999	
100.1	
5.2713	**Major Assumptions Used:**
805000	Dilution factor for WMA-B-BX-BY: 40
28.149	Compliance Monitoring Start Year :2001
211097	
1.01736	
14.1	
246000	
2.7299	
15700000	
2.0619	
29.999	
89.997	
13.33	
8.5919	
4.68	
1600	
5.7498	
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32759	
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159198	
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703700000	
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2140000	
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432.7	
7370	
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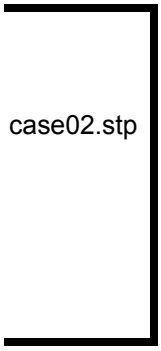
case02.stp

CAS Number	Analyte Name	Concentration pCi/L (Rad) or mg/L (Non-rad)	Peak Year	Kd	Kd Bin
3H	Tritium	0		0	0
14C	Carbon-14	3.23E-07	9781	0	0
59Ni	Nickel-59	0		48	5
63Ni	Nickel-63	0		48	5
60Co	Cobalt-60	0		0.1	0.1
79Se	Selenium-79	0		3.1	2
90Sr	Strontium-90 + D	0		16.1	5
99Tc	Technetium-99	2.21E-02	10461	0	0
106Ru	Ruthenium-106	0		1	1
113mCd	Cadmium-113m	0		1	1
126Sn	Tin-126	0		1	1
125Sb	Antimony-125	0		1	1
134Cs	Cesium-134	0		25	5
137Cs	Cesium-137 + Daughters	0		25	5
151Sm	Samarium-151	0		1	1
152Eu	Europium-152	0		1	1
154Eu	Europium-154	0		1	1
155Eu	Europium-155	0		1	1
226Ra	Radium-226 + D	0		1	1
228Ra	Radium-228 + D	0		1	1
227Ac	Actinium-227 + D	0		67	5
229Th	Thorium-229 + D	0		3	2
232Th	Thorium-232	0		3	2
231Pa	Protactinium-231	0		550	5
232U	Uranium-232	0		0.6	0.6
233U	Uranium-233	0		0.6	0.6
234U	Uranium-234	0		0.6	0.6
235U	Uranium-235 + D	0		0.6	0.6
236U	Uranium-236	0		0.6	0.6
238U	Uranium-238 + D	0		0.6	0.6
237Np	Neptunium-237 + D	0		2	2
238Pu	Plutonium-238	0		3	2
239Pu	Plutonium-239	0		3	2
240Pu	Plutonium-240	0		3	2
241Pu	Plutonium-241 + D	0		3	2
242Pu	Plutonium-242	0		3	2
241Am	Americium-241	0		3	2
243Am	Americium-243 + D	0		3	2
242Cm	Curium-242	0		3	2
243Cm	Curium-243	0		3	2
244Cm	Curium-244	0		3	2
7429-90-5	Aluminum	0		1	1
7440-36-0	Antimony	0		1	1
7440-38-2	Arsenic	0		39	5
7440-39-3	Barium	0		60	5
7440-41-7	Beryllium	0		70	5
7440-69-9	Bismuth	1.49E-04	10481		0

7440-42-8	Boron	0		3	2
7440-43-9	Cadmium	0		1.26	1
7440-70-2	Calcium	0		4	5
7440-45-1	Cerium	2.76E-07	10481		0
16887-00-6	Chloride	3.78E-06	10481		0
18540-29-9	Chromium	1.18E-05	10481	0	0
7440-48-4	Cobalt	1.19E-10	12032	0.1	0.1
7440-50-8	Copper	0		35	5
57-12-5	Cyanide	0		9.9	5
16984-48-8	Fluoride	2.73E-05	10481		0
OHDEMAND	Hydroxide OH	2.05E-04	10481		0
7439-89-6	Iron	0		25	5
7439-91-0	Lanthanum	5.22E-05	10481		0
7439-92-1	Lead	0		5.2	5
7439-95-4	Magnesium	0		4.5	5
7439-96-5	Manganese	0		1	1
7439-97-6	Mercury	0		5.2	5
7440-02-0	Nickel	0		48	5
14797-55-8	Nitrate	2.69E-04	10481	0	0
14797-65-0	Nitrite	4.79E-06	10481	0	0
338-70-5	Oxalate	4.73E-05	10481		0
14265-44-2	Phosphate	4.88E-05	10481		0
7782-49-2	Selenium	0		5	5
7440-21-3	Silicon	0		30	5
7440-22-4	Silver	0		2.7	2
7440-23-5	Sodium	1.72E-04	10481		0
7440-24-6	Strontium	0		16.1	5
14808-79-8	Sulfate	6.99E-06	10481		0
7440-29-1	Thorium	0		1	1
7440-32-6	Titanium	0		1000	5
7440-61-1	Uranium	0		0.6	0.6
7440-62-2	Vanadium	0		50	5
7440-66-6	Zinc	0		62	5
7440-67-7	Zirconium	0		500	5

Half-Life

Years	
	Report Generated on: 5/26/2005, 2:20:41 PM
	Report Generated by H0098416 (David J. Watson)
12.33	**Decision Management Tool Version 4.0.0.37**
5730	241-B-202 TanksB-BX-BYFarm_Jan01_HTWOS.txt
74999	
100.1	
5.2713	**Major Assumptions Used:**
805000	Dilution factor for WMA-B-BX-BY: 40
28.149	Compliance Monitoring Start Year :2001
211097	
1.01736	
14.1	
246000	
2.7299	
2.0619	
29.999	
89.997	
13.33	
8.5919	
4.68	
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5.7498	
21.769	
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14050000000	
32759	
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4468000000	
2140000	
87.697	
24110	
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373507	
432.7	
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28.499	
18.1	
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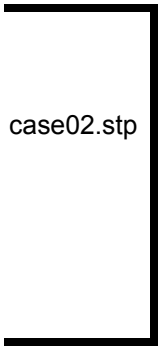
case02.stp

CAS Number	Analyte Name	Concentration pCi/L (Rad) or mg/L (Non-rad)	Peak Year	Kd	Kd Bin
3H	Tritium	0		0	0
14C	Carbon-14	3.17E-07	9781	0	0
59Ni	Nickel-59	0		48	5
63Ni	Nickel-63	0		48	5
60Co	Cobalt-60	0		0.1	0.1
79Se	Selenium-79	0		3.1	2
90Sr	Strontium-90 + D	0		16.1	5
99Tc	Technetium-99	7.54E-08	10461	0	0
106Ru	Ruthenium-106	0		1	1
113mCd	Cadmium-113m	0		1	1
126Sn	Tin-126	0		1	1
125Sb	Antimony-125	0		1	1
134Cs	Cesium-134	0		25	5
137Cs	Cesium-137 + Daughters	0		25	5
151Sm	Samarium-151	0		1	1
152Eu	Europium-152	0		1	1
154Eu	Europium-154	0		1	1
155Eu	Europium-155	0		1	1
226Ra	Radium-226 + D	0		1	1
228Ra	Radium-228 + D	0		1	1
227Ac	Actinium-227 + D	0		67	5
229Th	Thorium-229 + D	0		3	2
232Th	Thorium-232	0		3	2
231Pa	Protactinium-231	0		550	5
232U	Uranium-232	0		0.6	0.6
233U	Uranium-233	0		0.6	0.6
234U	Uranium-234	0		0.6	0.6
235U	Uranium-235 + D	0		0.6	0.6
236U	Uranium-236	0		0.6	0.6
238U	Uranium-238 + D	0		0.6	0.6
237Np	Neptunium-237 + D	0		2	2
238Pu	Plutonium-238	0		3	2
239Pu	Plutonium-239	0		3	2
240Pu	Plutonium-240	0		3	2
241Pu	Plutonium-241 + D	0		3	2
242Pu	Plutonium-242	0		3	2
241Am	Americium-241	0		3	2
243Am	Americium-243 + D	0		3	2
242Cm	Curium-242	0		3	2
243Cm	Curium-243	0		3	2
244Cm	Curium-244	0		3	2
7429-90-5	Aluminum	0		1	1
7440-36-0	Antimony	0		1	1
7440-38-2	Arsenic	0		39	5
7440-39-3	Barium	0		60	5
7440-41-7	Beryllium	0		70	5
7440-69-9	Bismuth	1.76E-04	10481		0

7440-42-8	Boron	0		3	2
7440-43-9	Cadmium	0		1.26	1
7440-70-2	Calcium	0		4	5
7440-45-1	Cerium	2.15E-07	10481		0
16887-00-6	Chloride	3.57E-06	10481		0
18540-29-9	Chromium	1.32E-05	10481	0	0
7440-48-4	Cobalt	1.79E-10	12032	0.1	0.1
7440-50-8	Copper	0		35	5
57-12-5	Cyanide	0		9.9	5
16984-48-8	Fluoride	3.23E-05	10481		0
OHDEMAND	Hydroxide OH	1.42E-04	10481		0
7439-89-6	Iron	0		25	5
7439-91-0	Lanthanum	4.41E-05	10481		0
7439-92-1	Lead	0		5.2	5
7439-93-2	Lithium	0		300	5
7439-95-4	Magnesium	0		4.5	5
7439-96-5	Manganese	0		1	1
7439-98-7	Molybdenum	0		4	5
7440-00-8	Neodymium	1.34E-07	10481		0
7440-02-0	Nickel	0		48	5
14797-55-8	Nitrate	2.65E-04	10481	0	0
14797-65-0	Nitrite	3.01E-06	10481	0	0
338-70-5	Oxalate	8.44E-06	10481		0
14265-44-2	Phosphate	2.83E-05	10481		0
7782-49-2	Selenium	0		5	5
7440-21-3	Silicon	0		30	5
7440-22-4	Silver	0		2.7	2
7440-23-5	Sodium	1.23E-04	10481		0
7440-24-6	Strontium	0		16.1	5
14808-79-8	Sulfate	1.14E-06	10481		0
7440-28-0	Thallium	0		71	5
7440-29-1	Thorium	0		1	1
7440-32-6	Titanium	0		1000	5
7440-61-1	Uranium	0		0.6	0.6
7440-62-2	Vanadium	0		50	5
7440-66-6	Zinc	0		62	5
7440-67-7	Zirconium	0		500	5

Half-Life

Years	
	Report Generated on: 5/26/2005, 2:20:48 PM
	Report Generated by H0098416 (David J. Watson)
12.33	**Decision Management Tool Version 4.0.0.37**
5730	241-B-203 TanksB-BX-BYFarm_Jan01_HTWOS.txt
74999	
100.1	
5.2713	**Major Assumptions Used:**
805000	Dilution factor for WMA-B-BX-BY: 40
28.149	Compliance Monitoring Start Year :2001
211097	
1.01736	
14.1	
246000	
2.7299	
2.0619	
29.999	
89.997	
13.33	
8.5919	
4.68	
1600	
5.7498	
21.769	
7340	
14050000000	
32759	
69.799	
159198	
245694	
703700000	
23420000	
4468000000	
2140000	
87.697	
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14.35	
373507	
432.7	
7370	
0.44611	
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18.1	
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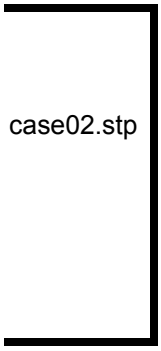
case02.stp

CAS Number	Analyte Name	Concentration	Peak Year	Kd	Kd Bin
		pCi/L (Rad) or mg/L (Non-rad)			
3H	Tritium	0		0	0
14C	Carbon-14	2.96E-07	9781	0	0
59Ni	Nickel-59	0		48	5
63Ni	Nickel-63	0		48	5
60Co	Cobalt-60	0		0.1	0.1
79Se	Selenium-79	0		3.1	2
90Sr	Strontium-90 + D	0		16.1	5
99Tc	Technetium-99	7.05E-08	10461	0	0
106Ru	Ruthenium-106	0		1	1
113mCd	Cadmium-113m	0		1	1
126Sn	Tin-126	0		1	1
125Sb	Antimony-125	0		1	1
129I	Iodine-129	0		0.2	0.2
134Cs	Cesium-134	0		25	5
137Cs	Cesium-137 + Daughters	0		25	5
151Sm	Samarium-151	0		1	1
152Eu	Europium-152	0		1	1
154Eu	Europium-154	0		1	1
155Eu	Europium-155	0		1	1
226Ra	Radium-226 + D	0		1	1
228Ra	Radium-228 + D	0		1	1
227Ac	Actinium-227 + D	0		67	5
229Th	Thorium-229 + D	0		3	2
232Th	Thorium-232	0		3	2
231Pa	Protactinium-231	0		550	5
232U	Uranium-232	0		0.6	0.6
233U	Uranium-233	0		0.6	0.6
234U	Uranium-234	0		0.6	0.6
235U	Uranium-235 + D	0		0.6	0.6
236U	Uranium-236	0		0.6	0.6
238U	Uranium-238 + D	0		0.6	0.6
237Np	Neptunium-237 + D	0		2	2
238Pu	Plutonium-238	0		3	2
239Pu	Plutonium-239	0		3	2
240Pu	Plutonium-240	0		3	2
241Pu	Plutonium-241 + D	0		3	2
242Pu	Plutonium-242	0		3	2
241Am	Americium-241	0		3	2
243Am	Americium-243 + D	0		3	2
242Cm	Curium-242	0		3	2
243Cm	Curium-243	0		3	2
244Cm	Curium-244	0		3	2
7429-90-5	Aluminum	0		1	1
7440-36-0	Antimony	0		1	1
7440-38-2	Arsenic	0		39	5
7440-39-3	Barium	0		60	5
7440-41-7	Beryllium	0		70	5

7440-69-9	Bismuth	2.07E-04	10481		0
7440-42-8	Boron	0		3	2
7440-43-9	Cadmium	0		1.26	1
7440-70-2	Calcium	0		4	5
7440-45-1	Cerium	2.38E-07	10481		0
16887-00-6	Chloride	2.75E-06	10481		0
18540-29-9	Chromium	1.40E-05	10481	0	0
7440-48-4	Cobalt	2.58E-10	12032	0.1	0.1
7440-50-8	Copper	0		35	5
16984-48-8	Fluoride	2.77E-05	10481		0
OHDEMAND	Hydroxide OH	1.62E-04	10481		0
7439-89-6	Iron	0		25	5
7439-91-0	Lanthanum	4.44E-05	10481		0
7439-92-1	Lead	0		5.2	5
7439-93-2	Lithium	0		300	5
7439-95-4	Magnesium	0		4.5	5
7439-96-5	Manganese	0		1	1
7439-98-7	Molybdenum	0		4	5
7440-00-8	Neodymium	1.92E-07	10481		0
7440-02-0	Nickel	0		48	5
14797-55-8	Nitrate	2.10E-04	10481	0	0
14797-65-0	Nitrite	2.45E-06	10481	0	0
338-70-5	Oxalate	7.15E-06	10481		0
14265-44-2	Phosphate	3.01E-05	10481		0
7782-49-2	Selenium	0		5	5
7440-21-3	Silicon	0		30	5
7440-22-4	Silver	0		2.7	2
7440-23-5	Sodium	1.12E-04	10481		0
7440-24-6	Strontium	0		16.1	5
14808-79-8	Sulfate	1.20E-06	10481		0
7440-28-0	Thallium	0		71	5
7440-29-1	Thorium	0		1	1
7440-32-6	Titanium	0		1000	5
7440-61-1	Uranium	0		0.6	0.6
7440-62-2	Vanadium	0		50	5
7440-66-6	Zinc	0		62	5
7440-67-7	Zirconium	0		500	5

Half-Life

Years	
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	Report Generated by H0098416 (David J. Watson)
12.33	**Decision Management Tool Version 4.0.0.37**
5730	241-B-204 TanksB-BX-BYFarm_Jan01_HTWOS.txt
74999	
100.1	
5.2713	**Major Assumptions Used:**
805000	Dilution factor for WMA-B-BX-BY: 40
28.149	Compliance Monitoring Start Year :2001
211097	
1.01736	
14.1	
246000	
2.7299	
15700000	
2.0619	
29.999	
89.997	
13.33	
8.5919	
4.68	
1600	
5.7498	
21.769	
7340	
14050000000	
32759	
69.799	
159198	
245694	
703700000	
23420000	
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87.697	
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6563	
14.35	
373507	
432.7	
7370	
0.44611	
28.499	
18.1	
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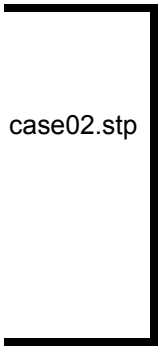
case02.stp

CAS Number	Analyte Name	Concentration pCi/L (Rad) or mg/L (Non-rad)	Peak Year	Kd	Kd Bin
3H	Tritium	0		0	0
14C	Carbon-14	6.12E-04	9781	0	0
59Ni	Nickel-59	0		48	5
63Ni	Nickel-63	0		48	5
60Co	Cobalt-60	0		0.1	0.1
79Se	Selenium-79	0		3.1	2
90Sr	Strontium-90 + D	0		16.1	5
93mNb	Niobium-93m	0		100	5
93Zr	Zirconium-93	0		600	5
99Tc	Technetium-99	4.94E-03	10461	0	0
106Ru	Ruthenium-106	0		1	1
113mCd	Cadmium-113m	0		1	1
126Sn	Tin-126	0		1	1
125Sb	Antimony-125	0		1	1
129I	Iodine-129	1.78E-09	12032	0.2	0.2
134Cs	Cesium-134	0		25	5
137Cs	Cesium-137 + Daughters	0		25	5
151Sm	Samarium-151	0		1	1
152Eu	Europium-152	0		1	1
154Eu	Europium-154	0		1	1
155Eu	Europium-155	0		1	1
226Ra	Radium-226 + D	0		1	1
228Ra	Radium-228 + D	0		1	1
227Ac	Actinium-227 + D	0		67	5
229Th	Thorium-229 + D	0		3	2
232Th	Thorium-232	0		3	2
231Pa	Protactinium-231	0		550	5
232U	Uranium-232	0		0.6	0.6
233U	Uranium-233	0		0.6	0.6
234U	Uranium-234	0		0.6	0.6
235U	Uranium-235 + D	0		0.6	0.6
236U	Uranium-236	0		0.6	0.6
238U	Uranium-238 + D	0		0.6	0.6
237Np	Neptunium-237 + D	0		2	2
238Pu	Plutonium-238	0		3	2
239Pu	Plutonium-239	0		3	2
240Pu	Plutonium-240	0		3	2
241Pu	Plutonium-241 + D	0		3	2
242Pu	Plutonium-242	0		3	2
241Am	Americium-241	0		3	2
243Am	Americium-243 + D	0		3	2
242Cm	Curium-242	0		3	2
243Cm	Curium-243	0		3	2
244Cm	Curium-244	0		3	2
7429-90-5	Aluminum	0		1	1
7440-69-9	Bismuth	6.49E-06	10481		0
7440-70-2	Calcium	0		4	5

16887-00-6	Chloride	1.32E-06	10481		0
18540-29-9	Chromium	1.95E-06	10481	0	0
16984-48-8	Fluoride	9.15E-06	10481		0
OHDEMAND	Hydroxide OH	1.09E-02	10481		0
7439-89-6	Iron	0		25	5
7439-91-0	Lanthanum	2.91E-06	10481		0
7439-92-1	Lead	0		5.2	5
7439-96-5	Manganese	0		1	1
7439-97-6	Mercury	0		5.2	5
7440-02-0	Nickel	0		48	5
14797-55-8	Nitrate	2.39E-04	10481	0	0
14797-65-0	Nitrite	2.54E-05	10481	0	0
338-70-5	Oxalate	7.80E-06	10481		0
14265-44-2	Phosphate	1.05E-03	10481		0
7440-21-3	Silicon	0		30	5
7440-23-5	Sodium	5.74E-04	10481		0
7440-24-6	Strontium	0		16.1	5
14808-79-8	Sulfate	3.13E-05	10481		0
7440-29-1	Thorium	0		1	1
7440-61-1	Uranium	0		0.6	0.6
7440-67-7	Zirconium	0		500	5

Half-Life

Years	
	Report Generated on: 5/26/2005, 2:24:50 PM
	Report Generated by H0098416 (David J. Watson)
12.33	**Decision Management Tool Version 4.0.0.37**
5730	241-BX-101 TanksB-BX-BYFarm_Jan01_HTWOS.txt
74999	
100.1	
5.2713	**Major Assumptions Used:**
805000	Dilution factor for WMA-B-BX-BY: 40
28.149	Compliance Monitoring Start Year :2001
16.13	
1530000	
211097	
1.01736	
14.1	
246000	
2.7299	
15700000	
2.0619	
29.999	
89.997	
13.33	
8.5919	
4.68	
1600	
5.7498	
21.769	
7340	
14050000000	
32759	
69.799	
159198	
245694	
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87.697	
24110	
6563	
14.35	
373507	
432.7	
7370	
0.44611	
28.499	
18.1	
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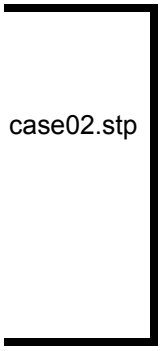
case02.stp

CAS Number	Analyte Name	Concentration pCi/L (Rad) or mg/L (Non-rad)	Peak Year	Kd	Kd Bin
3H	Tritium	0		0	0
14C	Carbon-14	3.06E-04	9781	0	0
59Ni	Nickel-59	0		48	5
63Ni	Nickel-63	0		48	5
60Co	Cobalt-60	0		0.1	0.1
79Se	Selenium-79	0		3.1	2
90Sr	Strontium-90 + D	0		16.1	5
93mNb	Niobium-93m	0		100	5
93Zr	Zirconium-93	0		600	5
99Tc	Technetium-99	6.81E-04	10461	0	0
106Ru	Ruthenium-106	0		1	1
113mCd	Cadmium-113m	0		1	1
126Sn	Tin-126	0		1	1
125Sb	Antimony-125	0		1	1
129I	Iodine-129	9.15E-10	12032	0.2	0.2
134Cs	Cesium-134	0		25	5
137Cs	Cesium-137 + Daughters	0		25	5
151Sm	Samarium-151	0		1	1
152Eu	Europium-152	0		1	1
154Eu	Europium-154	0		1	1
155Eu	Europium-155	0		1	1
226Ra	Radium-226 + D	0		1	1
228Ra	Radium-228 + D	0		1	1
227Ac	Actinium-227 + D	0		67	5
229Th	Thorium-229 + D	0		3	2
232Th	Thorium-232	0		3	2
231Pa	Protactinium-231	0		550	5
232U	Uranium-232	0		0.6	0.6
233U	Uranium-233	0		0.6	0.6
234U	Uranium-234	0		0.6	0.6
235U	Uranium-235 + D	0		0.6	0.6
236U	Uranium-236	0		0.6	0.6
238U	Uranium-238 + D	0		0.6	0.6
237Np	Neptunium-237 + D	0		2	2
238Pu	Plutonium-238	0		3	2
239Pu	Plutonium-239	0		3	2
240Pu	Plutonium-240	0		3	2
241Pu	Plutonium-241 + D	0		3	2
242Pu	Plutonium-242	0		3	2
241Am	Americium-241	0		3	2
243Am	Americium-243 + D	0		3	2
242Cm	Curium-242	0		3	2
243Cm	Curium-243	0		3	2
244Cm	Curium-244	0		3	2
7429-90-5	Aluminum	0		1	1
7440-70-2	Calcium	0		4	5
16887-00-6	Chloride	2.25E-07	10481		0

18540-29-9	Chromium	5.05E-07	10481	0	0
16984-48-8	Fluoride	3.18E-06	10481		0
OHDEMAND	Hydroxide OH	1.26E-02	10481		0
7439-89-6	Iron	0		25	5
7439-91-0	Lanthanum	1.27E-06	10481		0
7439-92-1	Lead	0		5.2	5
7439-96-5	Manganese	0		1	1
7440-02-0	Nickel	0		48	5
14797-55-8	Nitrate	3.10E-05	10481	0	0
14797-65-0	Nitrite	7.96E-06	10481	0	0
338-70-5	Oxalate	2.32E-06	10481		0
14265-44-2	Phosphate	1.93E-04	10481		0
7440-21-3	Silicon	0		30	5
7440-23-5	Sodium	1.22E-04	10481		0
7440-24-6	Strontium	0		16.1	5
14808-79-8	Sulfate	4.49E-06	10481		0
7440-29-1	Thorium	0		1	1
7440-61-1	Uranium	0		0.6	0.6
7440-67-7	Zirconium	0		500	5

Half-Life

Years	
	Report Generated on: 5/26/2005, 2:24:58 PM
	Report Generated by H0098416 (David J. Watson)
12.33	**Decision Management Tool Version 4.0.0.37**
5730	241-BX-102 TanksB-BX-BYFarm_Jan01_HTWOS.txt
74999	
100.1	
5.2713	**Major Assumptions Used:**
805000	Dilution factor for WMA-B-BX-BY: 40
28.149	Compliance Monitoring Start Year :2001
16.13	
1530000	
211097	
1.01736	
14.1	
246000	
2.7299	
15700000	
2.0619	
29.999	
89.997	
13.33	
8.5919	
4.68	
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5.7498	
21.769	
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14050000000	
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87.697	
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14.35	
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432.7	
7370	
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28.499	
18.1	
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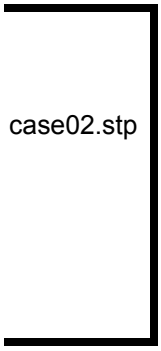
case02.stp

CAS Number	Analyte Name	Concentration pCi/L (Rad) or mg/L (Non-rad)	Peak Year	Kd	Kd Bin
3H	Tritium	0		0	0
14C	Carbon-14	9.04E-04	9781	0	0
59Ni	Nickel-59	0		48	5
63Ni	Nickel-63	0		48	5
60Co	Cobalt-60	0		0.1	0.1
79Se	Selenium-79	0		3.1	2
90Sr	Strontium-90 + D	0		16.1	5
93mNb	Niobium-93m	0		100	5
93Zr	Zirconium-93	0		600	5
99Tc	Technetium-99	7.45E-03	10461	0	0
106Ru	Ruthenium-106	0		1	1
113mCd	Cadmium-113m	0		1	1
126Sn	Tin-126	0		1	1
125Sb	Antimony-125	0		1	1
129I	Iodine-129	2.15E-09	12032	0.2	0.2
134Cs	Cesium-134	0		25	5
137Cs	Cesium-137 + Daughters	0		25	5
151Sm	Samarium-151	0		1	1
152Eu	Europium-152	0		1	1
154Eu	Europium-154	0		1	1
155Eu	Europium-155	0		1	1
226Ra	Radium-226 + D	0		1	1
228Ra	Radium-228 + D	0		1	1
227Ac	Actinium-227 + D	0		67	5
229Th	Thorium-229 + D	0		3	2
232Th	Thorium-232	0		3	2
231Pa	Protactinium-231	0		550	5
232U	Uranium-232	0		0.6	0.6
233U	Uranium-233	0		0.6	0.6
234U	Uranium-234	0		0.6	0.6
235U	Uranium-235 + D	0		0.6	0.6
236U	Uranium-236	0		0.6	0.6
238U	Uranium-238 + D	0		0.6	0.6
237Np	Neptunium-237 + D	0		2	2
238Pu	Plutonium-238	0		3	2
239Pu	Plutonium-239	0		3	2
240Pu	Plutonium-240	0		3	2
241Pu	Plutonium-241 + D	0		3	2
242Pu	Plutonium-242	0		3	2
241Am	Americium-241	0		3	2
243Am	Americium-243 + D	0		3	2
242Cm	Curium-242	0		3	2
243Cm	Curium-243	0		3	2
244Cm	Curium-244	0		3	2
7429-90-5	Aluminum	0		1	1
7440-69-9	Bismuth	1.04E-05	10481		0
7440-70-2	Calcium	0		4	5

16887-00-6	Chloride	2.15E-06	10481		0
18540-29-9	Chromium	3.41E-06	10481	0	0
16984-48-8	Fluoride	1.19E-05	10481		0
OHDEMAND	Hydroxide OH	1.01E-02	10481		0
7439-89-6	Iron	0		25	5
7439-91-0	Lanthanum	3.54E-06	10481		0
7439-92-1	Lead	0		5.2	5
7439-96-5	Manganese	0		1	1
7439-97-6	Mercury	0		5.2	5
7440-02-0	Nickel	0		48	5
14797-55-8	Nitrate	3.81E-04	10481	0	0
14797-65-0	Nitrite	4.03E-05	10481	0	0
338-70-5	Oxalate	1.83E-04	10481		0
14265-44-2	Phosphate	1.32E-03	10481		0
7440-21-3	Silicon	0		30	5
7440-23-5	Sodium	9.30E-04	10481		0
7440-24-6	Strontium	0		16.1	5
14808-79-8	Sulfate	4.70E-05	10481		0
7440-29-1	Thorium	0		1	1
7440-61-1	Uranium	0		0.6	0.6
7440-67-7	Zirconium	0		500	5

Half-Life

Years	
	Report Generated on: 5/26/2005, 2:25:05 PM
	Report Generated by H0098416 (David J. Watson)
12.33	**Decision Management Tool Version 4.0.0.37**
5730	241-BX-103 TanksB-BX-BYFarm_Jan01_HTWOS.txt
74999	
100.1	
5.2713	**Major Assumptions Used:**
805000	Dilution factor for WMA-B-BX-BY: 40
28.149	Compliance Monitoring Start Year :2001
16.13	
1530000	
211097	
1.01736	
14.1	
246000	
2.7299	
15700000	
2.0619	
29.999	
89.997	
13.33	
8.5919	
4.68	
1600	
5.7498	
21.769	
7340	
14050000000	
32759	
69.799	
159198	
245694	
703700000	
23420000	
4468000000	
2140000	
87.697	
24110	
6563	
14.35	
373507	
432.7	
7370	
0.44611	
28.499	
18.1	
Infinity	
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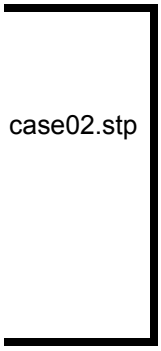
case02.stp

CAS Number	Analyte Name	Concentration	Peak Year	Kd	Kd Bin
		pCi/L (Rad) or mg/L (Non-rad)			
3H	Tritium	0		0	0
14C	Carbon-14	1.79E-04	9781	0	0
59Ni	Nickel-59	0		48	5
63Ni	Nickel-63	0		48	5
60Co	Cobalt-60	0		0.1	0.1
79Se	Selenium-79	0		3.1	2
90Sr	Strontium-90 + D	0		16.1	5
93mNb	Niobium-93m	0		100	5
93Zr	Zirconium-93	0		600	5
99Tc	Technetium-99	4.35E-01	10461	0	0
106Ru	Ruthenium-106	0		1	1
113mCd	Cadmium-113m	0		1	1
126Sn	Tin-126	0		1	1
125Sb	Antimony-125	0		1	1
129I	Iodine-129	1.24E-10	12032	0.2	0.2
134Cs	Cesium-134	0		25	5
137Cs	Cesium-137 + Daughters	0		25	5
151Sm	Samarium-151	0		1	1
152Eu	Europium-152	0		1	1
154Eu	Europium-154	0		1	1
155Eu	Europium-155	0		1	1
226Ra	Radium-226 + D	0		1	1
228Ra	Radium-228 + D	0		1	1
227Ac	Actinium-227 + D	0		67	5
229Th	Thorium-229 + D	0		3	2
232Th	Thorium-232	0		3	2
231Pa	Protactinium-231	0		550	5
232U	Uranium-232	0		0.6	0.6
233U	Uranium-233	0		0.6	0.6
234U	Uranium-234	0		0.6	0.6
235U	Uranium-235 + D	0		0.6	0.6
236U	Uranium-236	0		0.6	0.6
238U	Uranium-238 + D	0		0.6	0.6
237Np	Neptunium-237 + D	0		2	2
238Pu	Plutonium-238	0		3	2
239Pu	Plutonium-239	0		3	2
240Pu	Plutonium-240	0		3	2
241Pu	Plutonium-241 + D	0		3	2
242Pu	Plutonium-242	0		3	2
241Am	Americium-241	0		3	2
243Am	Americium-243 + D	0		3	2
242Cm	Curium-242	0		3	2
243Cm	Curium-243	0		3	2
244Cm	Curium-244	0		3	2
7429-90-5	Aluminum	0		1	1
7440-38-2	Arsenic	0		39	5
7440-39-3	Barium	0		60	5

7440-69-9	Bismuth	2.08E-05	10481		0
7440-42-8	Boron	0		3	2
7440-43-9	Cadmium	0		1.26	1
7440-70-2	Calcium	0		4	5
16887-00-6	Chloride	1.92E-06	10481		0
18540-29-9	Chromium	1.17E-04	10481	0	0
7440-48-4	Cobalt	2.84E-09	12032	0.1	0.1
7440-50-8	Copper	0		35	5
16984-48-8	Fluoride	1.64E-06	10481		0
OHDEMAND	Hydroxide OH	1.03E-02	10481		0
7439-89-6	Iron	0		25	5
7439-91-0	Lanthanum	4.98E-06	10481		0
7439-92-1	Lead	0		5.2	5
7439-95-4	Magnesium	0		4.5	5
7439-96-5	Manganese	0		1	1
7439-97-6	Mercury	0		5.2	5
7439-98-7	Molybdenum	0		4	5
7440-02-0	Nickel	0		48	5
14797-55-8	Nitrate	5.03E-04	10481	0	0
14797-65-0	Nitrite	2.48E-04	10481	0	0
338-70-5	Oxalate	8.75E-05	10481		0
14265-44-2	Phosphate	4.86E-05	10481		0
7440-21-3	Silicon	0		30	5
7440-22-4	Silver	0		2.7	2
7440-23-5	Sodium	7.90E-04	10481		0
7440-24-6	Strontium	0		16.1	5
14808-79-8	Sulfate	4.54E-06	10481		0
7440-29-1	Thorium	0		1	1
7440-61-1	Uranium	0		0.6	0.6
7440-62-2	Vanadium	0		50	5
7440-66-6	Zinc	0		62	5
7440-67-7	Zirconium	0		500	5

Half-Life

Years	
	Report Generated on: 5/26/2005, 2:25:13 PM
	Report Generated by H0098416 (David J. Watson)
12.33	**Decision Management Tool Version 4.0.0.37**
5730	241-BX-104 TanksB-BX-BYFarm_Jan01_HTWOS.txt
74999	
100.1	
5.2713	**Major Assumptions Used:**
805000	Dilution factor for WMA-B-BX-BY: 40
28.149	Compliance Monitoring Start Year :2001
16.13	
1530000	
211097	
1.01736	
14.1	
246000	
2.7299	
15700000	
2.0619	
29.999	
89.997	
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8.5919	
4.68	
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245694	
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23420000	
4468000000	
2140000	
87.697	
24110	
6563	
14.35	
373507	
432.7	
7370	
0.44611	
28.499	
18.1	
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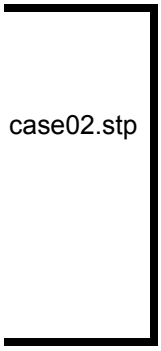
case02.stp

CAS Number	Analyte Name	Concentration pCi/L (Rad) or mg/L (Non-rad)	Peak Year	Kd	Kd Bin
3H	Tritium	0		0	0
14C	Carbon-14	1.85E-03	9781	0	0
59Ni	Nickel-59	0		48	5
63Ni	Nickel-63	0		48	5
60Co	Cobalt-60	0		0.1	0.1
79Se	Selenium-79	0		3.1	2
90Sr	Strontium-90 + D	0		16.1	5
93mNb	Niobium-93m	0		100	5
93Zr	Zirconium-93	0		600	5
99Tc	Technetium-99	7.76E-01	10461	0	0
106Ru	Ruthenium-106	0		1	1
113mCd	Cadmium-113m	0		1	1
126Sn	Tin-126	0		1	1
125Sb	Antimony-125	0		1	1
129I	Iodine-129	9.15E-11	12032	0.2	0.2
134Cs	Cesium-134	0		25	5
137Cs	Cesium-137 + Daughters	0		25	5
151Sm	Samarium-151	0		1	1
152Eu	Europium-152	0		1	1
154Eu	Europium-154	0		1	1
155Eu	Europium-155	0		1	1
226Ra	Radium-226 + D	0		1	1
228Ra	Radium-228 + D	0		1	1
227Ac	Actinium-227 + D	0		67	5
229Th	Thorium-229 + D	0		3	2
232Th	Thorium-232	0		3	2
231Pa	Protactinium-231	0		550	5
232U	Uranium-232	0		0.6	0.6
233U	Uranium-233	0		0.6	0.6
234U	Uranium-234	0		0.6	0.6
235U	Uranium-235 + D	0		0.6	0.6
236U	Uranium-236	0		0.6	0.6
238U	Uranium-238 + D	0		0.6	0.6
237Np	Neptunium-237 + D	0		2	2
238Pu	Plutonium-238	0		3	2
239Pu	Plutonium-239	0		3	2
240Pu	Plutonium-240	0		3	2
241Pu	Plutonium-241 + D	0		3	2
242Pu	Plutonium-242	0		3	2
241Am	Americium-241	0		3	2
243Am	Americium-243 + D	0		3	2
242Cm	Curium-242	0		3	2
243Cm	Curium-243	0		3	2
244Cm	Curium-244	0		3	2
7429-90-5	Aluminum	0		1	1
7440-69-9	Bismuth	5.30E-05	10481		0
7440-70-2	Calcium	0		4	5

16887-00-6	Chloride	2.70E-06	10481		0
18540-29-9	Chromium	1.75E-04	10481	0	0
16984-48-8	Fluoride	4.04E-05	10481		0
OHDEMAND	Hydroxide OH	8.01E-03	10481		0
7439-89-6	Iron	0		25	5
7439-91-0	Lanthanum	1.06E-06	10481		0
7439-92-1	Lead	0		5.2	5
7439-96-5	Manganese	0		1	1
7439-97-6	Mercury	0		5.2	5
7440-02-0	Nickel	0		48	5
14797-55-8	Nitrate	2.52E-04	10481	0	0
14797-65-0	Nitrite	9.48E-05	10481	0	0
338-70-5	Oxalate	2.11E-05	10481		0
14265-44-2	Phosphate	2.85E-03	10481		0
7440-21-3	Silicon	0		30	5
7440-23-5	Sodium	2.20E-03	10481		0
7440-24-6	Strontium	0		16.1	5
14808-79-8	Sulfate	1.31E-04	10481		0
7440-29-1	Thorium	0		1	1
7440-61-1	Uranium	0		0.6	0.6
7440-67-7	Zirconium	0		500	5

Half-Life

Years	
	Report Generated on: 5/26/2005, 2:25:20 PM
	Report Generated by H0098416 (David J. Watson)
12.33	**Decision Management Tool Version 4.0.0.37**
5730	241-BX-105 TanksB-BX-BYFarm_Jan01_HTWOS.txt
74999	
100.1	
5.2713	**Major Assumptions Used:**
805000	Dilution factor for WMA-B-BX-BY: 40
28.149	Compliance Monitoring Start Year :2001
16.13	
1530000	
211097	
1.01736	
14.1	
246000	
2.7299	
15700000	
2.0619	
29.999	
89.997	
13.33	
8.5919	
4.68	
1600	
5.7498	
21.769	
7340	
14050000000	
32759	
69.799	
159198	
245694	
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87.697	
24110	
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14.35	
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0.44611	
28.499	
18.1	
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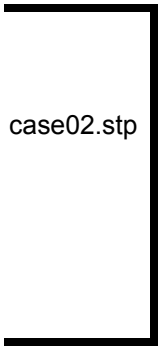
case02.stp

CAS Number	Analyte Name	Concentration	Peak Year	Kd	Kd Bin
		pCi/L (Rad) or mg/L (Non-rad)			
3H	Tritium	0		0	0
14C	Carbon-14	7.21E-04	9781	0	0
59Ni	Nickel-59	0		48	5
63Ni	Nickel-63	0		48	5
60Co	Cobalt-60	0		0.1	0.1
79Se	Selenium-79	0		3.1	2
90Sr	Strontium-90 + D	0		16.1	5
93mNb	Niobium-93m	0		100	5
93Zr	Zirconium-93	0		600	5
99Tc	Technetium-99	5.55E-01	10461	0	0
106Ru	Ruthenium-106	0		1	1
113mCd	Cadmium-113m	0		1	1
126Sn	Tin-126	0		1	1
125Sb	Antimony-125	0		1	1
129I	Iodine-129	3.98E-10	12032	0.2	0.2
134Cs	Cesium-134	0		25	5
137Cs	Cesium-137 + Daughters	0		25	5
151Sm	Samarium-151	0		1	1
152Eu	Europium-152	0		1	1
154Eu	Europium-154	0		1	1
155Eu	Europium-155	0		1	1
226Ra	Radium-226 + D	0		1	1
228Ra	Radium-228 + D	0		1	1
227Ac	Actinium-227 + D	0		67	5
229Th	Thorium-229 + D	0		3	2
232Th	Thorium-232	0		3	2
231Pa	Protactinium-231	0		550	5
232U	Uranium-232	0		0.6	0.6
233U	Uranium-233	0		0.6	0.6
234U	Uranium-234	0		0.6	0.6
235U	Uranium-235 + D	0		0.6	0.6
236U	Uranium-236	0		0.6	0.6
238U	Uranium-238 + D	0		0.6	0.6
237Np	Neptunium-237 + D	0		2	2
238Pu	Plutonium-238	0		3	2
239Pu	Plutonium-239	0		3	2
240Pu	Plutonium-240	0		3	2
241Pu	Plutonium-241 + D	0		3	2
242Pu	Plutonium-242	0		3	2
241Am	Americium-241	0		3	2
243Am	Americium-243 + D	0		3	2
242Cm	Curium-242	0		3	2
243Cm	Curium-243	0		3	2
244Cm	Curium-244	0		3	2
7429-90-5	Aluminum	0		1	1
7440-38-2	Arsenic	0		39	5
7440-39-3	Barium	0		60	5

7440-69-9	Bismuth	4.41E-05	10481		0
7440-42-8	Boron	0		3	2
7440-43-9	Cadmium	0		1.26	1
7440-70-2	Calcium	0		4	5
7440-45-1	Cerium	1.07E-05	10481		0
16887-00-6	Chloride	1.68E-06	10481		0
18540-29-9	Chromium	2.33E-04	10481	0	0
7440-48-4	Cobalt	4.42E-10	12032	0.1	0.1
7440-50-8	Copper	0		35	5
16984-48-8	Fluoride	8.24E-06	10481		0
OHDEMAND	Hydroxide OH	9.89E-03	10481		0
7439-89-6	Iron	0		25	5
7439-91-0	Lanthanum	4.54E-06	10481		0
7439-92-1	Lead	0		5.2	5
7439-95-4	Magnesium	0		4.5	5
7439-96-5	Manganese	0		1	1
7439-97-6	Mercury	0		5.2	5
7439-98-7	Molybdenum	0		4	5
7440-00-8	Neodymium	1.14E-05	10481		0
7440-02-0	Nickel	0		48	5
14797-55-8	Nitrate	1.45E-04	10481	0	0
14797-65-0	Nitrite	4.72E-05	10481	0	0
338-70-5	Oxalate	4.65E-05	10481		0
14265-44-2	Phosphate	2.16E-03	10481		0
7782-49-2	Selenium	0		5	5
7440-21-3	Silicon	0		30	5
7440-22-4	Silver	0		2.7	2
7440-23-5	Sodium	1.54E-03	10481		0
7440-24-6	Strontium	0		16.1	5
14808-79-8	Sulfate	5.72E-06	10481		0
7440-29-1	Thorium	0		1	1
7440-32-6	Titanium	0		1000	5
7440-61-1	Uranium	0		0.6	0.6
7440-62-2	Vanadium	0		50	5
7440-65-5	Yttrium	1.52E-06	10481		0
7440-66-6	Zinc	0		62	5
7440-67-7	Zirconium	0		500	5

Half-Life

Years	
	Report Generated on: 5/26/2005, 2:25:35 PM
	Report Generated by H0098416 (David J. Watson)
12.33	**Decision Management Tool Version 4.0.0.37**
5730	241-BX-106 TanksB-BX-BYFarm_Jan01_HTWOS.txt
74999	
100.1	
5.2713	**Major Assumptions Used:**
805000	Dilution factor for WMA-B-BX-BY: 40
28.149	Compliance Monitoring Start Year :2001
16.13	
1530000	
211097	
1.01736	
14.1	
246000	
2.7299	
15700000	
2.0619	
29.999	
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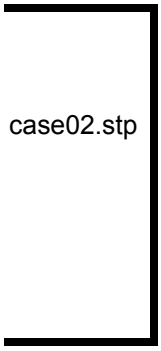
case02.stp

CAS Number	Analyte Name	Concentration	Peak Year	Kd	Kd Bin
		pCi/L (Rad) or mg/L (Non-rad)			
3H	Tritium	0		0	0
14C	Carbon-14	6.53E-04	9781	0	0
59Ni	Nickel-59	0		48	5
63Ni	Nickel-63	0		48	5
60Co	Cobalt-60	0		0.1	0.1
79Se	Selenium-79	0		3.1	2
90Sr	Strontium-90 + D	0		16.1	5
93mNb	Niobium-93m	0		100	5
93Zr	Zirconium-93	0		600	5
99Tc	Technetium-99	4.07E-01	10461	0	0
106Ru	Ruthenium-106	0		1	1
113mCd	Cadmium-113m	0		1	1
126Sn	Tin-126	0		1	1
125Sb	Antimony-125	0		1	1
129I	Iodine-129	3.45E-12	12032	0.2	0.2
134Cs	Cesium-134	0		25	5
137Cs	Cesium-137 + Daughters	0		25	5
151Sm	Samarium-151	0		1	1
152Eu	Europium-152	0		1	1
154Eu	Europium-154	0		1	1
155Eu	Europium-155	0		1	1
226Ra	Radium-226 + D	0		1	1
227Ac	Actinium-227 + D	0		67	5
229Th	Thorium-229 + D	0		3	2
232Th	Thorium-232	0		3	2
231Pa	Protactinium-231	0		550	5
232U	Uranium-232	0		0.6	0.6
233U	Uranium-233	0		0.6	0.6
234U	Uranium-234	0		0.6	0.6
235U	Uranium-235 + D	0		0.6	0.6
236U	Uranium-236	0		0.6	0.6
238U	Uranium-238 + D	0		0.6	0.6
237Np	Neptunium-237 + D	0		2	2
238Pu	Plutonium-238	0		3	2
239Pu	Plutonium-239	0		3	2
240Pu	Plutonium-240	0		3	2
241Pu	Plutonium-241 + D	0		3	2
242Pu	Plutonium-242	0		3	2
241Am	Americium-241	0		3	2
243Am	Americium-243 + D	0		3	2
242Cm	Curium-242	0		3	2
243Cm	Curium-243	0		3	2
244Cm	Curium-244	0		3	2
7429-90-5	Aluminum	0		1	1
7440-36-0	Antimony	0		1	1
7440-38-2	Arsenic	0		39	5
7440-39-3	Barium	0		60	5

7440-41-7	Beryllium	0		70	5
7440-69-9	Bismuth	2.17E-03	10481		0
7440-42-8	Boron	0		3	2
7440-43-9	Cadmium	0		1.26	1
7440-70-2	Calcium	0		4	5
7440-45-1	Cerium	1.62E-05	10481		0
16887-00-6	Chloride	5.14E-06	10481		0
18540-29-9	Chromium	7.37E-05	10481	0	0
7440-48-4	Cobalt	9.47E-10	12032	0.1	0.1
7440-50-8	Copper	0		35	5
57-12-5	Cyanide	0		9.9	5
16984-48-8	Fluoride	4.65E-04	10481		0
OHDEMAND	Hydroxide OH	4.04E-03	10481		0
7439-89-6	Iron	0		25	5
7439-91-0	Lanthanum	1.37E-07	10481		0
7439-92-1	Lead	0		5.2	5
7439-95-4	Magnesium	0		4.5	5
7439-96-5	Manganese	0		1	1
7439-97-6	Mercury	0		5.2	5
7440-02-0	Nickel	0		48	5
14797-55-8	Nitrate	1.62E-03	10481	0	0
14797-65-0	Nitrite	9.62E-05	10481	0	0
338-70-5	Oxalate	6.05E-05	10481		0
14265-44-2	Phosphate	5.25E-03	10481		0
7782-49-2	Selenium	0		5	5
7440-21-3	Silicon	0		30	5
7440-22-4	Silver	0		2.7	2
7440-23-5	Sodium	3.34E-03	10481		0
7440-24-6	Strontium	0		16.1	5
14808-79-8	Sulfate	1.45E-04	10481		0
7440-32-6	Titanium	0		1000	5
7440-61-1	Uranium	0		0.6	0.6
7440-62-2	Vanadium	0		50	5
7440-66-6	Zinc	0		62	5
7440-67-7	Zirconium	0		500	5

Half-Life

Years	
	Report Generated on: 5/26/2005, 2:25:43 PM
	Report Generated by H0098416 (David J. Watson)
12.33	**Decision Management Tool Version 4.0.0.37**
5730	241-BX-107 TanksB-BX-BYFarm_Jan01_HTWOS.txt
74999	
100.1	
5.2713	**Major Assumptions Used:**
805000	Dilution factor for WMA-B-BX-BY: 40
28.149	Compliance Monitoring Start Year :2001
16.13	
1530000	
211097	
1.01736	
14.1	
246000	
2.7299	
15700000	
2.0619	
29.999	
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13.33	
8.5919	
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373507	
432.7	
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28.499	
18.1	
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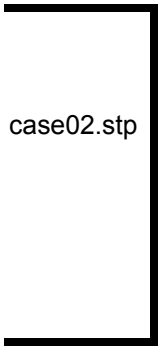
case02.stp

CAS Number	Analyte Name	Concentration	Peak Year	Kd	Kd Bin
		pCi/L (Rad) or mg/L (Non-rad)			
3H	Tritium	0		0	0
14C	Carbon-14	4.14E-04	9781	0	0
59Ni	Nickel-59	0		48	5
63Ni	Nickel-63	0		48	5
60Co	Cobalt-60	0		0.1	0.1
79Se	Selenium-79	0		3.1	2
90Sr	Strontium-90 + D	0		16.1	5
93mNb	Niobium-93m	0		100	5
93Zr	Zirconium-93	0		600	5
99Tc	Technetium-99	1.40E-01	10461	0	0
106Ru	Ruthenium-106	0		1	1
113mCd	Cadmium-113m	0		1	1
126Sn	Tin-126	0		1	1
125Sb	Antimony-125	0		1	1
129I	Iodine-129	9.39E-12	12032	0.2	0.2
134Cs	Cesium-134	0		25	5
137Cs	Cesium-137 + Daughters	0		25	5
151Sm	Samarium-151	0		1	1
152Eu	Europium-152	0		1	1
154Eu	Europium-154	0		1	1
155Eu	Europium-155	0		1	1
226Ra	Radium-226 + D	0		1	1
228Ra	Radium-228 + D	0		1	1
227Ac	Actinium-227 + D	0		67	5
229Th	Thorium-229 + D	0		3	2
232Th	Thorium-232	0		3	2
231Pa	Protactinium-231	0		550	5
232U	Uranium-232	0		0.6	0.6
233U	Uranium-233	0		0.6	0.6
234U	Uranium-234	0		0.6	0.6
235U	Uranium-235 + D	0		0.6	0.6
236U	Uranium-236	0		0.6	0.6
238U	Uranium-238 + D	0		0.6	0.6
237Np	Neptunium-237 + D	0		2	2
238Pu	Plutonium-238	0		3	2
239Pu	Plutonium-239	0		3	2
240Pu	Plutonium-240	0		3	2
241Pu	Plutonium-241 + D	0		3	2
242Pu	Plutonium-242	0		3	2
241Am	Americium-241	0		3	2
243Am	Americium-243 + D	0		3	2
242Cm	Curium-242	0		3	2
243Cm	Curium-243	0		3	2
244Cm	Curium-244	0		3	2
7429-90-5	Aluminum	0		1	1
7440-69-9	Bismuth	8.69E-04	10481		0
7440-70-2	Calcium	0		4	5

16887-00-6	Chloride	8.81E-06	10481		0
18540-29-9	Chromium	4.26E-05	10481	0	0
16984-48-8	Fluoride	3.24E-04	10481		0
OHDEMAND	Hydroxide OH	1.81E-03	10481		0
7439-89-6	Iron	0		25	5
7439-91-0	Lanthanum	3.20E-06	10481		0
7439-92-1	Lead	0		5.2	5
7439-96-5	Manganese	0		1	1
7439-97-6	Mercury	0		5.2	5
7440-02-0	Nickel	0		48	5
14797-55-8	Nitrate	3.12E-03	10481	0	0
14797-65-0	Nitrite	1.93E-04	10481	0	0
338-70-5	Oxalate	4.65E-05	10481		0
14265-44-2	Phosphate	6.68E-03	10481		0
7440-21-3	Silicon	0		30	5
7440-23-5	Sodium	3.28E-03	10481		0
7440-24-6	Strontium	0		16.1	5
14808-79-8	Sulfate	2.89E-04	10481		0
7440-61-1	Uranium	0		0.6	0.6
7440-67-7	Zirconium	0		500	5

Half-Life

Years	
	Report Generated on: 5/26/2005, 2:25:50 PM
	Report Generated by H0098416 (David J. Watson)
12.33	**Decision Management Tool Version 4.0.0.37**
5730	241-BX-108 TanksB-BX-BYFarm_Jan01_HTWOS.txt
74999	
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5.2713	**Major Assumptions Used:**
805000	Dilution factor for WMA-B-BX-BY: 40
28.149	Compliance Monitoring Start Year :2001
16.13	
1530000	
211097	
1.01736	
14.1	
246000	
2.7299	
15700000	
2.0619	
29.999	
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13.33	
8.5919	
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14050000000	
32759	
69.799	
159198	
245694	
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87.697	
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18.1	
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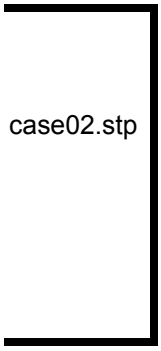
case02.stp

CAS Number	Analyte Name	Concentration	Peak Year	Kd	Kd Bin
		pCi/L (Rad) or mg/L (Non-rad)			
3H	Tritium	0		0	0
14C	Carbon-14	4.68E-04	9781	0	0
59Ni	Nickel-59	0		48	5
63Ni	Nickel-63	0		48	5
60Co	Cobalt-60	0		0.1	0.1
79Se	Selenium-79	0		3.1	2
90Sr	Strontium-90 + D	0		16.1	5
93mNb	Niobium-93m	0		100	5
93Zr	Zirconium-93	0		600	5
99Tc	Technetium-99	1.24E-01	10461	0	0
106Ru	Ruthenium-106	0		1	1
113mCd	Cadmium-113m	0		1	1
126Sn	Tin-126	0		1	1
125Sb	Antimony-125	0		1	1
129I	Iodine-129	1.78E-11	12032	0.2	0.2
134Cs	Cesium-134	0		25	5
137Cs	Cesium-137 + Daughters	0		25	5
151Sm	Samarium-151	0		1	1
152Eu	Europium-152	0		1	1
154Eu	Europium-154	0		1	1
155Eu	Europium-155	0		1	1
226Ra	Radium-226 + D	0		1	1
228Ra	Radium-228 + D	0		1	1
227Ac	Actinium-227 + D	0		67	5
229Th	Thorium-229 + D	0		3	2
232Th	Thorium-232	0		3	2
231Pa	Protactinium-231	0		550	5
232U	Uranium-232	0		0.6	0.6
233U	Uranium-233	0		0.6	0.6
234U	Uranium-234	0		0.6	0.6
235U	Uranium-235 + D	0		0.6	0.6
236U	Uranium-236	0		0.6	0.6
238U	Uranium-238 + D	0		0.6	0.6
237Np	Neptunium-237 + D	0		2	2
238Pu	Plutonium-238	0		3	2
239Pu	Plutonium-239	0		3	2
240Pu	Plutonium-240	0		3	2
241Pu	Plutonium-241 + D	0		3	2
242Pu	Plutonium-242	0		3	2
241Am	Americium-241	0		3	2
243Am	Americium-243 + D	0		3	2
242Cm	Curium-242	0		3	2
243Cm	Curium-243	0		3	2
244Cm	Curium-244	0		3	2
7429-90-5	Aluminum	0		1	1
7440-38-2	Arsenic	0		39	5
7440-41-7	Beryllium	0		70	5

7440-69-9	Bismuth	9.72E-05	10481		0
7440-42-8	Boron	0		3	2
7440-43-9	Cadmium	0		1.26	1
7440-70-2	Calcium	0		4	5
16887-00-6	Chloride	1.36E-05	10481		0
18540-29-9	Chromium	2.17E-05	10481	0	0
7440-48-4	Cobalt	1.29E-07	12032	0.1	0.1
7440-50-8	Copper	0		35	5
16984-48-8	Fluoride	2.73E-06	10481		0
OHDEMAND	Hydroxide OH	1.78E-03	10481		0
7439-89-6	Iron	0		25	5
7439-91-0	Lanthanum	6.90E-06	10481		0
7439-92-1	Lead	0		5.2	5
7439-93-2	Lithium	0		300	5
7439-95-4	Magnesium	0		4.5	5
7439-96-5	Manganese	0		1	1
7439-97-6	Mercury	0		5.2	5
7439-98-7	Molybdenum	0		4	5
7440-02-0	Nickel	0		48	5
14797-55-8	Nitrate	2.08E-03	10481	0	0
14797-65-0	Nitrite	1.95E-04	10481	0	0
338-70-5	Oxalate	5.30E-05	10481		0
14265-44-2	Phosphate	8.16E-03	10481		0
7440-21-3	Silicon	0		30	5
7440-22-4	Silver	0		2.7	2
7440-23-5	Sodium	2.68E-03	10481		0
7440-24-6	Strontium	0		16.1	5
14808-79-8	Sulfate	4.60E-04	10481		0
7440-29-1	Thorium	0		1	1
7440-32-6	Titanium	0		1000	5
7440-61-1	Uranium	0		0.6	0.6
7440-66-6	Zinc	0		62	5
7440-67-7	Zirconium	0		500	5

Half-Life

Years	
	Report Generated on: 5/26/2005, 2:27:00 PM
	Report Generated by H0098416 (David J. Watson)
12.33	**Decision Management Tool Version 4.0.0.37**
5730	241-BX-109 TanksB-BX-BYFarm_Jan01_HTWOS.txt
74999	
100.1	
5.2713	**Major Assumptions Used:**
805000	Dilution factor for WMA-B-BX-BY: 40
28.149	Compliance Monitoring Start Year :2001
16.13	
1530000	
211097	
1.01736	
14.1	
246000	
2.7299	
15700000	
2.0619	
29.999	
89.997	
13.33	
8.5919	
4.68	
1600	
5.7498	
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159198	
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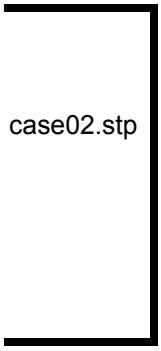
case02.stp

CAS Number	Analyte Name	Concentration pCi/L (Rad) or mg/L (Non-rad)	Peak Year	Kd	Kd Bin
3H	Tritium	0		0	0
14C	Carbon-14	1.46E-02	9781	0	0
59Ni	Nickel-59	0		48	5
63Ni	Nickel-63	0		48	5
60Co	Cobalt-60	0		0.1	0.1
79Se	Selenium-79	0		3.1	2
90Sr	Strontium-90 + D	0		16.1	5
93mNb	Niobium-93m	0		100	5
93Zr	Zirconium-93	0		600	5
99Tc	Technetium-99	5.38E+00	10461	0	0
106Ru	Ruthenium-106	0		1	1
113mCd	Cadmium-113m	0		1	1
126Sn	Tin-126	0		1	1
125Sb	Antimony-125	0		1	1
129I	Iodine-129	5.02E-09	12032	0.2	0.2
134Cs	Cesium-134	0		25	5
137Cs	Cesium-137 + Daughters	0		25	5
151Sm	Samarium-151	0		1	1
152Eu	Europium-152	0		1	1
154Eu	Europium-154	0		1	1
155Eu	Europium-155	0		1	1
226Ra	Radium-226 + D	0		1	1
228Ra	Radium-228 + D	0		1	1
227Ac	Actinium-227 + D	0		67	5
229Th	Thorium-229 + D	0		3	2
232Th	Thorium-232	0		3	2
231Pa	Protactinium-231	0		550	5
232U	Uranium-232	0		0.6	0.6
233U	Uranium-233	0		0.6	0.6
234U	Uranium-234	0		0.6	0.6
235U	Uranium-235 + D	0		0.6	0.6
236U	Uranium-236	0		0.6	0.6
238U	Uranium-238 + D	0		0.6	0.6
237Np	Neptunium-237 + D	0		2	2
238Pu	Plutonium-238	0		3	2
239Pu	Plutonium-239	0		3	2
240Pu	Plutonium-240	0		3	2
241Pu	Plutonium-241 + D	0		3	2
242Pu	Plutonium-242	0		3	2
241Am	Americium-241	0		3	2
243Am	Americium-243 + D	0		3	2
242Cm	Curium-242	0		3	2
243Cm	Curium-243	0		3	2
244Cm	Curium-244	0		3	2
7429-90-5	Aluminum	0		1	1
7440-69-9	Bismuth	1.25E-03	10481		0
7440-70-2	Calcium	0		4	5

16887-00-6	Chloride	1.73E-05	10481		0
18540-29-9	Chromium	6.75E-04	10481	0	0
16984-48-8	Fluoride	6.44E-05	10481		0
OHDEMAND	Hydroxide OH	1.03E-02	10481		0
7439-89-6	Iron	0		25	5
7439-91-0	Lanthanum	1.21E-07	10481		0
7439-92-1	Lead	0		5.2	5
7439-96-5	Manganese	0		1	1
7439-97-6	Mercury	0		5.2	5
7440-02-0	Nickel	0		48	5
14797-55-8	Nitrate	3.54E-03	10481	0	0
14797-65-0	Nitrite	1.50E-04	10481	0	0
338-70-5	Oxalate	4.69E-04	10481		0
14265-44-2	Phosphate	1.59E-03	10481		0
7440-21-3	Silicon	0		30	5
7440-23-5	Sodium	3.89E-03	10481		0
7440-24-6	Strontium	0		16.1	5
14808-79-8	Sulfate	3.21E-04	10481		0
7440-29-1	Thorium	0		1	1
7440-61-1	Uranium	0		0.6	0.6
7440-67-7	Zirconium	0		500	5

Half-Life

Years	
	Report Generated on: 5/26/2005, 2:27:06 PM
	Report Generated by H0098416 (David J. Watson)
12.33	**Decision Management Tool Version 4.0.0.37**
5730	241-BX-110 TanksB-BX-BYFarm_Jan01_HTWOS.txt
74999	
100.1	
5.2713	**Major Assumptions Used:**
805000	Dilution factor for WMA-B-BX-BY: 40
28.149	Compliance Monitoring Start Year :2001
16.13	
1530000	
211097	
1.01736	
14.1	
246000	
2.7299	
15700000	
2.0619	
29.999	
89.997	
13.33	
8.5919	
4.68	
1600	
5.7498	
21.769	
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159198	
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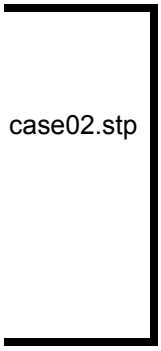
case02.stp

CAS Number	Analyte Name	Concentration pCi/L (Rad) or mg/L (Non-rad)	Peak Year	Kd	Kd Bin
3H	Tritium	0		0	0
14C	Carbon-14	1.02E-01	9781	0	0
59Ni	Nickel-59	0		48	5
63Ni	Nickel-63	0		48	5
60Co	Cobalt-60	0		0.1	0.1
79Se	Selenium-79	0		3.1	2
90Sr	Strontium-90 + D	0		16.1	5
93mNb	Niobium-93m	0		100	5
93Zr	Zirconium-93	0		600	5
99Tc	Technetium-99	1.21E+01	10461	0	0
106Ru	Ruthenium-106	0		1	1
113mCd	Cadmium-113m	0		1	1
126Sn	Tin-126	0		1	1
125Sb	Antimony-125	0		1	1
129I	Iodine-129	6.06E-08	12032	0.2	0.2
134Cs	Cesium-134	0		25	5
137Cs	Cesium-137 + Daughters	0		25	5
151Sm	Samarium-151	0		1	1
152Eu	Europium-152	0		1	1
154Eu	Europium-154	0		1	1
155Eu	Europium-155	0		1	1
226Ra	Radium-226 + D	0		1	1
228Ra	Radium-228 + D	0		1	1
227Ac	Actinium-227 + D	0		67	5
229Th	Thorium-229 + D	0		3	2
232Th	Thorium-232	0		3	2
231Pa	Protactinium-231	0		550	5
232U	Uranium-232	0		0.6	0.6
233U	Uranium-233	0		0.6	0.6
234U	Uranium-234	0		0.6	0.6
235U	Uranium-235 + D	0		0.6	0.6
236U	Uranium-236	0		0.6	0.6
238U	Uranium-238 + D	0		0.6	0.6
237Np	Neptunium-237 + D	0		2	2
238Pu	Plutonium-238	0		3	2
239Pu	Plutonium-239	0		3	2
240Pu	Plutonium-240	0		3	2
241Pu	Plutonium-241 + D	0		3	2
242Pu	Plutonium-242	0		3	2
241Am	Americium-241	0		3	2
243Am	Americium-243 + D	0		3	2
242Cm	Curium-242	0		3	2
243Cm	Curium-243	0		3	2
244Cm	Curium-244	0		3	2
7429-90-5	Aluminum	0		1	1
7440-69-9	Bismuth	7.09E-04	10481		0
7440-70-2	Calcium	0		4	5

16887-00-6	Chloride	1.03E-05	10481		0
18540-29-9	Chromium	3.03E-04	10481	0	0
16984-48-8	Fluoride	3.35E-04	10481		0
OHDEMAND	Hydroxide OH	6.97E-03	10481		0
7439-89-6	Iron	0		25	5
7439-91-0	Lanthanum	6.96E-08	10481		0
7439-92-1	Lead	0		5.2	5
7439-96-5	Manganese	0		1	1
7439-97-6	Mercury	0		5.2	5
7440-02-0	Nickel	0		48	5
14797-55-8	Nitrate	6.01E-03	10481	0	0
14797-65-0	Nitrite	1.93E-04	10481	0	0
338-70-5	Oxalate	3.56E-04	10481		0
14265-44-2	Phosphate	1.70E-03	10481		0
7440-21-3	Silicon	0		30	5
7440-23-5	Sodium	7.67E-03	10481		0
7440-24-6	Strontium	0		16.1	5
14808-79-8	Sulfate	4.18E-04	10481		0
7440-29-1	Thorium	0		1	1
7440-61-1	Uranium	0		0.6	0.6
7440-67-7	Zirconium	0		500	5

Half-Life

Years	
	Report Generated on: 5/26/2005, 2:27:13 PM
	Report Generated by H0098416 (David J. Watson)
12.33	**Decision Management Tool Version 4.0.0.37**
5730	241-BX-111 TanksB-BX-BYFarm_Jan01_HTWOS.txt
74999	
100.1	
5.2713	**Major Assumptions Used:**
805000	Dilution factor for WMA-B-BX-BY: 40
28.149	Compliance Monitoring Start Year :2001
16.13	
1530000	
211097	
1.01736	
14.1	
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15700000	
2.0619	
29.999	
89.997	
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4.68	
1600	
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18.1	
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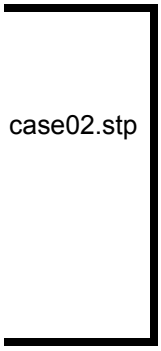
case02.stp

CAS Number	Analyte Name	Concentration	Peak Year	Kd	Kd Bin
		pCi/L (Rad) or mg/L (Non-rad)			
3H	Tritium	0		0	0
14C	Carbon-14	4.97E-04	9781	0	0
59Ni	Nickel-59	0		48	5
63Ni	Nickel-63	0		48	5
60Co	Cobalt-60	0		0.1	0.1
79Se	Selenium-79	0		3.1	2
90Sr	Strontium-90 + D	0		16.1	5
93mNb	Niobium-93m	0		100	5
93Zr	Zirconium-93	0		600	5
99Tc	Technetium-99	2.42E-01	10461	0	0
106Ru	Ruthenium-106	0		1	1
113mCd	Cadmium-113m	0		1	1
126Sn	Tin-126	0		1	1
125Sb	Antimony-125	0		1	1
129I	Iodine-129	3.06E-12	12032	0.2	0.2
134Cs	Cesium-134	0		25	5
137Cs	Cesium-137 + Daughters	0		25	5
151Sm	Samarium-151	0		1	1
152Eu	Europium-152	0		1	1
154Eu	Europium-154	0		1	1
155Eu	Europium-155	0		1	1
226Ra	Radium-226 + D	0		1	1
228Ra	Radium-228 + D	0		1	1
227Ac	Actinium-227 + D	0		67	5
229Th	Thorium-229 + D	0		3	2
232Th	Thorium-232	0		3	2
231Pa	Protactinium-231	0		550	5
232U	Uranium-232	0		0.6	0.6
233U	Uranium-233	0		0.6	0.6
234U	Uranium-234	0		0.6	0.6
235U	Uranium-235 + D	0		0.6	0.6
236U	Uranium-236	0		0.6	0.6
238U	Uranium-238 + D	0		0.6	0.6
237Np	Neptunium-237 + D	0		2	2
238Pu	Plutonium-238	0		3	2
239Pu	Plutonium-239	0		3	2
240Pu	Plutonium-240	0		3	2
241Pu	Plutonium-241 + D	0		3	2
242Pu	Plutonium-242	0		3	2
241Am	Americium-241	0		3	2
243Am	Americium-243 + D	0		3	2
242Cm	Curium-242	0		3	2
243Cm	Curium-243	0		3	2
244Cm	Curium-244	0		3	2
7429-90-5	Aluminum	0		1	1
7440-38-2	Arsenic	0		39	5
7440-39-3	Barium	0		60	5

7440-41-7	Beryllium	0		70	5
7440-69-9	Bismuth	1.78E-03	10481		0
7440-42-8	Boron	0		3	2
7440-43-9	Cadmium	0		1.26	1
7440-70-2	Calcium	0		4	5
16887-00-6	Chloride	5.68E-06	10481		0
18540-29-9	Chromium	1.19E-04	10481	0	0
16984-48-8	Fluoride	1.24E-03	10481		0
OHDEMAND	Hydroxide OH	2.13E-03	10481		0
7439-89-6	Iron	0		25	5
7439-91-0	Lanthanum	1.40E-07	10481		0
7439-92-1	Lead	0		5.2	5
7439-93-2	Lithium	0		300	5
7439-95-4	Magnesium	0		4.5	5
7439-96-5	Manganese	0		1	1
7439-97-6	Mercury	0		5.2	5
7439-98-7	Molybdenum	0		4	5
7440-02-0	Nickel	0		48	5
14797-55-8	Nitrate	3.04E-03	10481	0	0
14797-65-0	Nitrite	1.10E-03	10481	0	0
338-70-5	Oxalate	1.02E-04	10481		0
14265-44-2	Phosphate	4.70E-03	10481		0
7440-21-3	Silicon	0		30	5
7440-22-4	Silver	0		2.7	2
7440-23-5	Sodium	1.99E-03	10481		0
7440-24-6	Strontium	0		16.1	5
14808-79-8	Sulfate	7.19E-04	10481		0
7440-32-6	Titanium	0		1000	5
7440-61-1	Uranium	0		0.6	0.6
7440-62-2	Vanadium	0		50	5
7440-65-5	Yttrium	2.28E-06	10481		0
7440-66-6	Zinc	0		62	5
7440-67-7	Zirconium	0		500	5

Half-Life

Years	
	Report Generated on: 5/26/2005, 2:27:23 PM
	Report Generated by H0098416 (David J. Watson)
12.33	**Decision Management Tool Version 4.0.0.37**
5730	241-BX-112 TanksB-BX-BYFarm_Jan01_HTWOS.txt
74999	
100.1	
5.2713	**Major Assumptions Used:**
805000	Dilution factor for WMA-B-BX-BY: 40
28.149	Compliance Monitoring Start Year :2001
16.13	
1530000	
211097	
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14.1	
246000	
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15700000	
2.0619	
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432.7	
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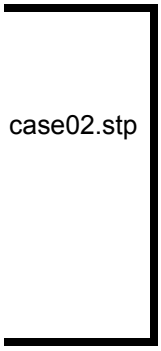
case02.stp

CAS Number	Analyte Name	Concentration pCi/L (Rad) or mg/L (Non-rad)	Peak Year	Kd	Kd Bin
3H	Tritium	0		0	0
14C	Carbon-14	8.74E-02	9781	0	0
59Ni	Nickel-59	0		48	5
63Ni	Nickel-63	0		48	5
60Co	Cobalt-60	0		0.1	0.1
79Se	Selenium-79	0		3.1	2
90Sr	Strontium-90 + D	0		16.1	5
93mNb	Niobium-93m	0		100	5
93Zr	Zirconium-93	0		600	5
99Tc	Technetium-99	9.69E+00	10461	0	0
106Ru	Ruthenium-106	0		1	1
113mCd	Cadmium-113m	0		1	1
126Sn	Tin-126	0		1	1
125Sb	Antimony-125	0		1	1
129I	Iodine-129	5.31E-08	12032	0.2	0.2
134Cs	Cesium-134	0		25	5
137Cs	Cesium-137 + Daughters	0		25	5
151Sm	Samarium-151	0		1	1
152Eu	Europium-152	0		1	1
154Eu	Europium-154	0		1	1
155Eu	Europium-155	0		1	1
226Ra	Radium-226 + D	0		1	1
228Ra	Radium-228 + D	0		1	1
227Ac	Actinium-227 + D	0		67	5
229Th	Thorium-229 + D	0		3	2
232Th	Thorium-232	0		3	2
231Pa	Protactinium-231	0		550	5
232U	Uranium-232	0		0.6	0.6
233U	Uranium-233	0		0.6	0.6
234U	Uranium-234	0		0.6	0.6
235U	Uranium-235 + D	0		0.6	0.6
236U	Uranium-236	0		0.6	0.6
238U	Uranium-238 + D	0		0.6	0.6
237Np	Neptunium-237 + D	0		2	2
238Pu	Plutonium-238	0		3	2
239Pu	Plutonium-239	0		3	2
240Pu	Plutonium-240	0		3	2
241Pu	Plutonium-241 + D	0		3	2
242Pu	Plutonium-242	0		3	2
241Am	Americium-241	0		3	2
243Am	Americium-243 + D	0		3	2
242Cm	Curium-242	0		3	2
243Cm	Curium-243	0		3	2
244Cm	Curium-244	0		3	2
7429-90-5	Aluminum	0		1	1
7440-69-9	Bismuth	2.80E-06	10481		0
7440-70-2	Calcium	0		4	5

16887-00-6	Chloride	4.21E-06	10481		0
18540-29-9	Chromium	1.75E-04	10481	0	0
16984-48-8	Fluoride	3.42E-04	10481		0
OHDEMAND	Hydroxide OH	6.18E-03	10481		0
7439-89-6	Iron	0		25	5
7439-91-0	Lanthanum	7.26E-07	10481		0
7439-92-1	Lead	0		5.2	5
7439-96-5	Manganese	0		1	1
7439-97-6	Mercury	0		5.2	5
7440-02-0	Nickel	0		48	5
14797-55-8	Nitrate	4.79E-03	10481	0	0
14797-65-0	Nitrite	9.08E-05	10481	0	0
338-70-5	Oxalate	7.79E-04	10481		0
14265-44-2	Phosphate	4.63E-03	10481		0
7440-21-3	Silicon	0		30	5
7440-23-5	Sodium	6.44E-03	10481		0
7440-24-6	Strontium	0		16.1	5
14808-79-8	Sulfate	4.29E-05	10481		0
7440-29-1	Thorium	0		1	1
7440-61-1	Uranium	0		0.6	0.6
7440-67-7	Zirconium	0		500	5

Half-Life

Years	
	Report Generated on: 5/26/2005, 2:47:42 PM
	Report Generated by H0098416 (David J. Watson)
12.33	**Decision Management Tool Version 4.0.0.37**
5730	241-BY-101 TanksB-BX-BYFarm_Jan01_HTWOS.txt
74999	
100.1	
5.2713	**Major Assumptions Used:**
805000	Dilution factor for WMA-B-BX-BY: 40
28.149	Compliance Monitoring Start Year :2001
16.13	
1530000	
211097	
1.01736	
14.1	
246000	
2.7299	
15700000	
2.0619	
29.999	
89.997	
13.33	
8.5919	
4.68	
1600	
5.7498	
21.769	
7340	
14050000000	
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28.499	
18.1	
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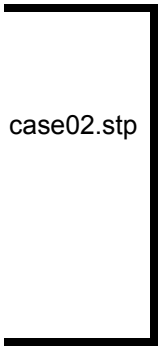
case02.stp

CAS Number	Analyte Name	Concentration pCi/L (Rad) or mg/L (Non-rad)	Peak Year	Kd	Kd Bin
3H	Tritium	0		0	0
14C	Carbon-14	1.38E-02	9781	0	0
59Ni	Nickel-59	0		48	5
63Ni	Nickel-63	0		48	5
60Co	Cobalt-60	0		0.1	0.1
79Se	Selenium-79	0		3.1	2
90Sr	Strontium-90 + D	0		16.1	5
93mNb	Niobium-93m	0		100	5
93Zr	Zirconium-93	0		600	5
99Tc	Technetium-99	3.75E+00	10461	0	0
106Ru	Ruthenium-106	0		1	1
113mCd	Cadmium-113m	0		1	1
126Sn	Tin-126	0		1	1
125Sb	Antimony-125	0		1	1
129I	Iodine-129	5.85E-08	12032	0.2	0.2
134Cs	Cesium-134	0		25	5
137Cs	Cesium-137 + Daughters	0		25	5
151Sm	Samarium-151	0		1	1
152Eu	Europium-152	0		1	1
154Eu	Europium-154	0		1	1
155Eu	Europium-155	0		1	1
226Ra	Radium-226 + D	0		1	1
228Ra	Radium-228 + D	0		1	1
227Ac	Actinium-227 + D	0		67	5
229Th	Thorium-229 + D	0		3	2
232Th	Thorium-232	0		3	2
231Pa	Protactinium-231	0		550	5
232U	Uranium-232	0		0.6	0.6
233U	Uranium-233	0		0.6	0.6
234U	Uranium-234	0		0.6	0.6
235U	Uranium-235 + D	0		0.6	0.6
236U	Uranium-236	0		0.6	0.6
238U	Uranium-238 + D	0		0.6	0.6
237Np	Neptunium-237 + D	0		2	2
238Pu	Plutonium-238	0		3	2
239Pu	Plutonium-239	0		3	2
240Pu	Plutonium-240	0		3	2
241Pu	Plutonium-241 + D	0		3	2
242Pu	Plutonium-242	0		3	2
241Am	Americium-241	0		3	2
243Am	Americium-243 + D	0		3	2
242Cm	Curium-242	0		3	2
243Cm	Curium-243	0		3	2
244Cm	Curium-244	0		3	2
7429-90-5	Aluminum	0		1	1
7440-69-9	Bismuth	2.26E-06	10481		0
7440-70-2	Calcium	0		4	5

16887-00-6	Chloride	1.93E-05	10481		0
18540-29-9	Chromium	1.65E-04	10481	0	0
16984-48-8	Fluoride	1.29E-03	10481		0
OHDEMAND	Hydroxide OH	7.23E-03	10481		0
7439-89-6	Iron	0		25	5
7439-91-0	Lanthanum	1.65E-11	10481		0
7439-92-1	Lead	0		5.2	5
7439-96-5	Manganese	0		1	1
7439-97-6	Mercury	0		5.2	5
7440-02-0	Nickel	0		48	5
14797-55-8	Nitrate	1.53E-03	10481	0	0
14797-65-0	Nitrite	2.20E-04	10481	0	0
338-70-5	Oxalate	3.01E-03	10481		0
14265-44-2	Phosphate	7.25E-04	10481		0
7440-21-3	Silicon	0		30	5
7440-23-5	Sodium	7.43E-03	10481		0
7440-24-6	Strontium	0		16.1	5
14808-79-8	Sulfate	6.22E-04	10481		0
7440-29-1	Thorium	0		1	1
7440-61-1	Uranium	0		0.6	0.6
7440-67-7	Zirconium	0		500	5

Half-Life

Years	
	Report Generated on: 5/26/2005, 2:48:05 PM
	Report Generated by H0098416 (David J. Watson)
12.33	**Decision Management Tool Version 4.0.0.37**
5730	241-BY-102 TanksB-BX-BYFarm_Jan01_HTWOS.txt
74999	
100.1	
5.2713	**Major Assumptions Used:**
805000	Dilution factor for WMA-B-BX-BY: 40
28.149	Compliance Monitoring Start Year :2001
16.13	
1530000	
211097	
1.01736	
14.1	
246000	
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15700000	
2.0619	
29.999	
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23420000	
4468000000	
2140000	
87.697	
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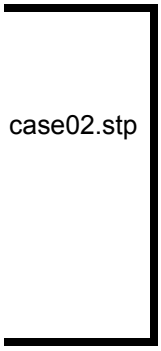
case02.stp

CAS Number	Analyte Name	Concentration pCi/L (Rad) or mg/L (Non-rad)	Peak Year	Kd	Kd Bin
3H	Tritium	0		0	0
14C	Carbon-14	8.48E-02	9781	0	0
59Ni	Nickel-59	0		48	5
63Ni	Nickel-63	0		48	5
60Co	Cobalt-60	0		0.1	0.1
79Se	Selenium-79	0		3.1	2
90Sr	Strontium-90 + D	0		16.1	5
93mNb	Niobium-93m	0		100	5
93Zr	Zirconium-93	0		600	5
99Tc	Technetium-99	9.32E+00	10461	0	0
106Ru	Ruthenium-106	0		1	1
113mCd	Cadmium-113m	0		1	1
126Sn	Tin-126	0		1	1
125Sb	Antimony-125	0		1	1
129I	Iodine-129	5.14E-08	12032	0.2	0.2
134Cs	Cesium-134	0		25	5
137Cs	Cesium-137 + Daughters	0		25	5
151Sm	Samarium-151	0		1	1
152Eu	Europium-152	0		1	1
154Eu	Europium-154	0		1	1
155Eu	Europium-155	0		1	1
226Ra	Radium-226 + D	0		1	1
228Ra	Radium-228 + D	0		1	1
227Ac	Actinium-227 + D	0		67	5
229Th	Thorium-229 + D	0		3	2
232Th	Thorium-232	0		3	2
231Pa	Protactinium-231	0		550	5
232U	Uranium-232	0		0.6	0.6
233U	Uranium-233	0		0.6	0.6
234U	Uranium-234	0		0.6	0.6
235U	Uranium-235 + D	0		0.6	0.6
236U	Uranium-236	0		0.6	0.6
238U	Uranium-238 + D	0		0.6	0.6
237Np	Neptunium-237 + D	0		2	2
238Pu	Plutonium-238	0		3	2
239Pu	Plutonium-239	0		3	2
240Pu	Plutonium-240	0		3	2
241Pu	Plutonium-241 + D	0		3	2
242Pu	Plutonium-242	0		3	2
241Am	Americium-241	0		3	2
243Am	Americium-243 + D	0		3	2
242Cm	Curium-242	0		3	2
243Cm	Curium-243	0		3	2
244Cm	Curium-244	0		3	2
7429-90-5	Aluminum	0		1	1
7440-69-9	Bismuth	1.75E-06	10481		0
7440-70-2	Calcium	0		4	5

16887-00-6	Chloride	8.87E-06	10481		0
18540-29-9	Chromium	2.40E-04	10481	0	0
16984-48-8	Fluoride	7.04E-04	10481		0
OHDEMAND	Hydroxide OH	6.14E-03	10481		0
7439-89-6	Iron	0		25	5
7439-91-0	Lanthanum	2.93E-07	10481		0
7439-92-1	Lead	0		5.2	5
7439-96-5	Manganese	0		1	1
7439-97-6	Mercury	0		5.2	5
7440-02-0	Nickel	0		48	5
14797-55-8	Nitrate	3.06E-03	10481	0	0
14797-65-0	Nitrite	1.15E-04	10481	0	0
338-70-5	Oxalate	5.37E-03	10481		0
14265-44-2	Phosphate	1.16E-03	10481		0
7440-21-3	Silicon	0		30	5
7440-23-5	Sodium	6.13E-03	10481		0
7440-24-6	Strontium	0		16.1	5
14808-79-8	Sulfate	3.02E-04	10481		0
7440-29-1	Thorium	0		1	1
7440-61-1	Uranium	0		0.6	0.6
7440-67-7	Zirconium	0		500	5

Half-Life

Years	
	Report Generated on: 5/26/2005, 2:48:12 PM
	Report Generated by H0098416 (David J. Watson)
12.33	**Decision Management Tool Version 4.0.0.37**
5730	241-BY-103 TanksB-BX-BYFarm_Jan01_HTWOS.txt
74999	
100.1	
5.2713	**Major Assumptions Used:**
805000	Dilution factor for WMA-B-BX-BY: 40
28.149	Compliance Monitoring Start Year :2001
16.13	
1530000	
211097	
1.01736	
14.1	
246000	
2.7299	
15700000	
2.0619	
29.999	
89.997	
13.33	
8.5919	
4.68	
1600	
5.7498	
21.769	
7340	
14050000000	
32759	
69.799	
159198	
245694	
703700000	
23420000	
4468000000	
2140000	
87.697	
24110	
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14.35	
373507	
432.7	
7370	
0.44611	
28.499	
18.1	
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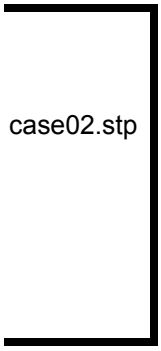
case02.stp

CAS Number	Analyte Name	Concentration	Peak Year	Kd	Kd Bin
		pCi/L (Rad) or mg/L (Non-rad)			
3H	Tritium	0		0	0
14C	Carbon-14	1.64E-01	9781	0	0
59Ni	Nickel-59	0		48	5
63Ni	Nickel-63	0		48	5
60Co	Cobalt-60	0		0.1	0.1
79Se	Selenium-79	0		3.1	2
90Sr	Strontium-90 + D	0		16.1	5
93mNb	Niobium-93m	0		100	5
93Zr	Zirconium-93	0		600	5
99Tc	Technetium-99	1.87E+01	10461	0	0
106Ru	Ruthenium-106	0		1	1
113mCd	Cadmium-113m	0		1	1
126Sn	Tin-126	0		1	1
125Sb	Antimony-125	0		1	1
129I	Iodine-129	9.73E-08	12032	0.2	0.2
134Cs	Cesium-134	0		25	5
137Cs	Cesium-137 + Daughters	0		25	5
151Sm	Samarium-151	0		1	1
152Eu	Europium-152	0		1	1
154Eu	Europium-154	0		1	1
155Eu	Europium-155	0		1	1
226Ra	Radium-226 + D	0		1	1
228Ra	Radium-228 + D	0		1	1
227Ac	Actinium-227 + D	0		67	5
229Th	Thorium-229 + D	0		3	2
232Th	Thorium-232	0		3	2
231Pa	Protactinium-231	0		550	5
232U	Uranium-232	0		0.6	0.6
233U	Uranium-233	0		0.6	0.6
234U	Uranium-234	0		0.6	0.6
235U	Uranium-235 + D	0		0.6	0.6
236U	Uranium-236	0		0.6	0.6
238U	Uranium-238 + D	0		0.6	0.6
237Np	Neptunium-237 + D	0		2	2
238Pu	Plutonium-238	0		3	2
239Pu	Plutonium-239	0		3	2
240Pu	Plutonium-240	0		3	2
241Pu	Plutonium-241 + D	0		3	2
242Pu	Plutonium-242	0		3	2
241Am	Americium-241	0		3	2
243Am	Americium-243 + D	0		3	2
242Cm	Curium-242	0		3	2
243Cm	Curium-243	0		3	2
244Cm	Curium-244	0		3	2
7429-90-5	Aluminum	0		1	1
7440-36-0	Antimony	0		1	1
7440-39-3	Barium	0		60	5

7440-41-7	Beryllium	0		70	5
7440-69-9	Bismuth	1.25E-04	10481		0
7440-42-8	Boron	0		3	2
7440-43-9	Cadmium	0		1.26	1
7440-70-2	Calcium	0		4	5
16887-00-6	Chloride	2.59E-05	10481		0
18540-29-9	Chromium	7.81E-04	10481	0	0
7440-48-4	Cobalt	3.65E-08	12032	0.1	0.1
7440-50-8	Copper	0		35	5
57-12-5	Cyanide	0		9.9	5
16984-48-8	Fluoride	5.93E-04	10481		0
OHDEMAND	Hydroxide OH	4.57E-03	10481		0
7439-89-6	Iron	0		25	5
7439-91-0	Lanthanum	1.36E-05	10481		0
7439-92-1	Lead	0		5.2	5
7439-93-2	Lithium	0		300	5
7439-96-5	Manganese	0		1	1
7439-97-6	Mercury	0		5.2	5
7439-98-7	Molybdenum	0		4	5
7440-02-0	Nickel	0		48	5
14797-55-8	Nitrate	4.48E-03	10481	0	0
14797-65-0	Nitrite	5.71E-04	10481	0	0
338-70-5	Oxalate	3.74E-03	10481		0
14265-44-2	Phosphate	6.08E-04	10481		0
7440-21-3	Silicon	0		30	5
7440-22-4	Silver	0		2.7	2
7440-23-5	Sodium	2.23E-03	10481		0
7440-24-6	Strontium	0		16.1	5
14808-79-8	Sulfate	4.84E-04	10481		0
7440-29-1	Thorium	0		1	1
7440-32-6	Titanium	0		1000	5
7440-61-1	Uranium	0		0.6	0.6
7440-62-2	Vanadium	0		50	5
7440-66-6	Zinc	0		62	5
7440-67-7	Zirconium	0		500	5

Half-Life

Years	
	Report Generated on: 5/26/2005, 2:48:19 PM
	Report Generated by H0098416 (David J. Watson)
12.33	**Decision Management Tool Version 4.0.0.37**
5730	241-BY-104 TanksB-BX-BYFarm_Jan01_HTWOS.txt
74999	
100.1	
5.2713	**Major Assumptions Used:**
805000	Dilution factor for WMA-B-BX-BY: 40
28.149	Compliance Monitoring Start Year :2001
16.13	
1530000	
211097	
1.01736	
14.1	
246000	
2.7299	
15700000	
2.0619	
29.999	
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14050000000	
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703700000	
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2140000	
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18.1	
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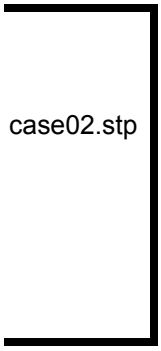
case02.stp

CAS Number	Analyte Name	Concentration pCi/L (Rad) or mg/L (Non-rad)	Peak Year	Kd	Kd Bin
3H	Tritium	0		0	0
14C	Carbon-14	8.81E-02	9781	0	0
59Ni	Nickel-59	0		48	5
63Ni	Nickel-63	0		48	5
60Co	Cobalt-60	0		0.1	0.1
79Se	Selenium-79	0		3.1	2
90Sr	Strontium-90 + D	0		16.1	5
93mNb	Niobium-93m	0		100	5
93Zr	Zirconium-93	0		600	5
99Tc	Technetium-99	1.58E+00	10461	0	0
106Ru	Ruthenium-106	0		1	1
113mCd	Cadmium-113m	0		1	1
126Sn	Tin-126	0		1	1
125Sb	Antimony-125	0		1	1
129I	Iodine-129	5.39E-08	12032	0.2	0.2
134Cs	Cesium-134	0		25	5
137Cs	Cesium-137 + Daughters	0		25	5
151Sm	Samarium-151	0		1	1
152Eu	Europium-152	0		1	1
154Eu	Europium-154	0		1	1
155Eu	Europium-155	0		1	1
226Ra	Radium-226 + D	0		1	1
228Ra	Radium-228 + D	0		1	1
227Ac	Actinium-227 + D	0		67	5
229Th	Thorium-229 + D	0		3	2
232Th	Thorium-232	0		3	2
231Pa	Protactinium-231	0		550	5
232U	Uranium-232	0		0.6	0.6
233U	Uranium-233	0		0.6	0.6
234U	Uranium-234	0		0.6	0.6
235U	Uranium-235 + D	0		0.6	0.6
236U	Uranium-236	0		0.6	0.6
238U	Uranium-238 + D	0		0.6	0.6
237Np	Neptunium-237 + D	0		2	2
238Pu	Plutonium-238	0		3	2
239Pu	Plutonium-239	0		3	2
240Pu	Plutonium-240	0		3	2
241Pu	Plutonium-241 + D	0		3	2
242Pu	Plutonium-242	0		3	2
241Am	Americium-241	0		3	2
243Am	Americium-243 + D	0		3	2
242Cm	Curium-242	0		3	2
243Cm	Curium-243	0		3	2
244Cm	Curium-244	0		3	2
7429-90-5	Aluminum	0		1	1
7440-36-0	Antimony	0		1	1
7440-38-2	Arsenic	0		39	5

7440-39-3	Barium	0		60	5
7440-41-7	Beryllium	0		70	5
7440-69-9	Bismuth	3.56E-05	10481		0
7440-42-8	Boron	0		3	2
7440-43-9	Cadmium	0		1.26	1
7440-70-2	Calcium	0		4	5
7440-45-1	Cerium	1.45E-05	10481		0
16887-00-6	Chloride	9.70E-06	10481		0
18540-29-9	Chromium	5.42E-05	10481	0	0
7440-48-4	Cobalt	2.04E-08	12032	0.1	0.1
7440-50-8	Copper	0		35	5
16984-48-8	Fluoride	1.27E-04	10481		0
OHDEMAND	Hydroxide OH	8.87E-03	10481		0
7439-89-6	Iron	0		25	5
7439-91-0	Lanthanum	2.78E-07	10481		0
7439-92-1	Lead	0		5.2	5
7439-93-2	Lithium	0		300	5
7439-95-4	Magnesium	0		4.5	5
7439-96-5	Manganese	0		1	1
7439-97-6	Mercury	0		5.2	5
7439-98-7	Molybdenum	0		4	5
7440-00-8	Neodymium	1.58E-05	10481		0
7440-02-0	Nickel	0		48	5
14797-55-8	Nitrate	6.40E-03	10481	0	0
14797-65-0	Nitrite	1.50E-04	10481	0	0
338-70-5	Oxalate	6.03E-04	10481		0
14265-44-2	Phosphate	3.93E-04	10481		0
7782-49-2	Selenium	0		5	5
7440-21-3	Silicon	0		30	5
7440-22-4	Silver	0		2.7	2
7440-23-5	Sodium	5.78E-03	10481		0
7440-24-6	Strontium	0		16.1	5
14808-79-8	Sulfate	1.36E-04	10481		0
7440-32-6	Titanium	0		1000	5
7440-61-1	Uranium	0		0.6	0.6
7440-62-2	Vanadium	0		50	5
7440-66-6	Zinc	0		62	5
7440-67-7	Zirconium	0		500	5

Half-Life

Years	
	Report Generated on: 5/26/2005, 2:48:25 PM
	Report Generated by H0098416 (David J. Watson)
12.33	**Decision Management Tool Version 4.0.0.37**
5730	241-BY-105 TanksB-BX-BYFarm_Jan01_HTWOS.txt
74999	
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5.2713	**Major Assumptions Used:**
805000	Dilution factor for WMA-B-BX-BY: 40
28.149	Compliance Monitoring Start Year :2001
16.13	
1530000	
211097	
1.01736	
14.1	
246000	
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15700000	
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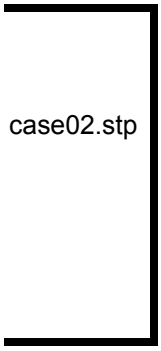
case02.stp

CAS Number	Analyte Name	Concentration pCi/L (Rad) or mg/L (Non-rad)	Peak Year	Kd	Kd Bin
3H	Tritium	0		0	0
14C	Carbon-14	7.88E-02	9781	0	0
59Ni	Nickel-59	0		48	5
63Ni	Nickel-63	0		48	5
60Co	Cobalt-60	0		0.1	0.1
79Se	Selenium-79	0		3.1	2
90Sr	Strontium-90 + D	0		16.1	5
93mNb	Niobium-93m	0		100	5
93Zr	Zirconium-93	0		600	5
99Tc	Technetium-99	4.77E+01	10461	0	0
106Ru	Ruthenium-106	0		1	1
113mCd	Cadmium-113m	0		1	1
126Sn	Tin-126	0		1	1
125Sb	Antimony-125	0		1	1
129I	Iodine-129	8.93E-09	12032	0.2	0.2
134Cs	Cesium-134	0		25	5
137Cs	Cesium-137 + Daughters	0		25	5
151Sm	Samarium-151	0		1	1
152Eu	Europium-152	0		1	1
154Eu	Europium-154	0		1	1
155Eu	Europium-155	0		1	1
226Ra	Radium-226 + D	0		1	1
228Ra	Radium-228 + D	0		1	1
227Ac	Actinium-227 + D	0		67	5
229Th	Thorium-229 + D	0		3	2
232Th	Thorium-232	0		3	2
231Pa	Protactinium-231	0		550	5
232U	Uranium-232	0		0.6	0.6
233U	Uranium-233	0		0.6	0.6
234U	Uranium-234	0		0.6	0.6
235U	Uranium-235 + D	0		0.6	0.6
236U	Uranium-236	0		0.6	0.6
238U	Uranium-238 + D	0		0.6	0.6
237Np	Neptunium-237 + D	0		2	2
238Pu	Plutonium-238	0		3	2
239Pu	Plutonium-239	0		3	2
240Pu	Plutonium-240	0		3	2
241Pu	Plutonium-241 + D	0		3	2
242Pu	Plutonium-242	0		3	2
241Am	Americium-241	0		3	2
243Am	Americium-243 + D	0		3	2
242Cm	Curium-242	0		3	2
243Cm	Curium-243	0		3	2
244Cm	Curium-244	0		3	2
7429-90-5	Aluminum	0		1	1
7440-69-9	Bismuth	1.59E-04	10481		0
7440-70-2	Calcium	0		4	5

16887-00-6	Chloride	1.81E-05	10481		0
18540-29-9	Chromium	6.68E-04	10481	0	0
57-12-5	Cyanide	0		9.9	5
16984-48-8	Fluoride	6.10E-05	10481		0
OHDEMAND	Hydroxide OH	3.59E-03	10481		0
7439-89-6	Iron	0		25	5
7439-91-0	Lanthanum	4.25E-06	10481		0
7439-92-1	Lead	0		5.2	5
7439-93-2	Lithium	0		300	5
7439-96-5	Manganese	0		1	1
7439-97-6	Mercury	0		5.2	5
7440-02-0	Nickel	0		48	5
14797-55-8	Nitrate	3.97E-03	10481	0	0
14797-65-0	Nitrite	3.78E-04	10481	0	0
338-70-5	Oxalate	6.94E-03	10481		0
14265-44-2	Phosphate	1.46E-04	10481		0
7440-21-3	Silicon	0		30	5
7440-23-5	Sodium	1.99E-03	10481		0
7440-24-6	Strontium	0		16.1	5
14808-79-8	Sulfate	2.81E-04	10481		0
7440-29-1	Thorium	0		1	1
7440-61-1	Uranium	0		0.6	0.6
7440-66-6	Zinc	0		62	5
7440-67-7	Zirconium	0		500	5

Half-Life

Years	
	Report Generated on: 5/26/2005, 2:48:34 PM
	Report Generated by H0098416 (David J. Watson)
12.33	**Decision Management Tool Version 4.0.0.37**
5730	241-BY-106 TanksB-BX-BYFarm_Jan01_HTWOS.txt
74999	
100.1	
5.2713	**Major Assumptions Used:**
805000	Dilution factor for WMA-B-BX-BY: 40
28.149	Compliance Monitoring Start Year :2001
16.13	
1530000	
211097	
1.01736	
14.1	
246000	
2.7299	
15700000	
2.0619	
29.999	
89.997	
13.33	
8.5919	
4.68	
1600	
5.7498	
21.769	
7340	
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32759	
69.799	
159198	
245694	
703700000	
23420000	
4468000000	
2140000	
87.697	
24110	
6563	
14.35	
373507	
432.7	
7370	
0.44611	
28.499	
18.1	
Infinity	
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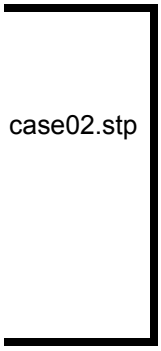
case02.stp

CAS Number	Analyte Name	Concentration pCi/L (Rad) or mg/L (Non-rad)	Peak Year	Kd	Kd Bin
3H	Tritium	0		0	0
14C	Carbon-14	1.99E-02	9781	0	0
59Ni	Nickel-59	0		48	5
63Ni	Nickel-63	0		48	5
60Co	Cobalt-60	0		0.1	0.1
79Se	Selenium-79	0		3.1	2
90Sr	Strontium-90 + D	0		16.1	5
93mNb	Niobium-93m	0		100	5
93Zr	Zirconium-93	0		600	5
99Tc	Technetium-99	7.54E+00	10461	0	0
106Ru	Ruthenium-106	0		1	1
113mCd	Cadmium-113m	0		1	1
126Sn	Tin-126	0		1	1
125Sb	Antimony-125	0		1	1
129I	Iodine-129	6.40E-09	12032	0.2	0.2
134Cs	Cesium-134	0		25	5
137Cs	Cesium-137 + Daughters	0		25	5
151Sm	Samarium-151	0		1	1
152Eu	Europium-152	0		1	1
154Eu	Europium-154	0		1	1
155Eu	Europium-155	0		1	1
226Ra	Radium-226 + D	0		1	1
228Ra	Radium-228 + D	0		1	1
227Ac	Actinium-227 + D	0		67	5
229Th	Thorium-229 + D	0		3	2
232Th	Thorium-232	0		3	2
231Pa	Protactinium-231	0		550	5
232U	Uranium-232	0		0.6	0.6
233U	Uranium-233	0		0.6	0.6
234U	Uranium-234	0		0.6	0.6
235U	Uranium-235 + D	0		0.6	0.6
236U	Uranium-236	0		0.6	0.6
238U	Uranium-238 + D	0		0.6	0.6
237Np	Neptunium-237 + D	0		2	2
238Pu	Plutonium-238	0		3	2
239Pu	Plutonium-239	0		3	2
240Pu	Plutonium-240	0		3	2
241Pu	Plutonium-241 + D	0		3	2
242Pu	Plutonium-242	0		3	2
241Am	Americium-241	0		3	2
243Am	Americium-243 + D	0		3	2
242Cm	Curium-242	0		3	2
243Cm	Curium-243	0		3	2
244Cm	Curium-244	0		3	2
7429-90-5	Aluminum	0		1	1
7440-41-7	Beryllium	0		70	5
7440-69-9	Bismuth	2.79E-05	10481		0

7440-43-9	Cadmium	0		1.26	1
7440-70-2	Calcium	0		4	5
16887-00-6	Chloride	2.50E-05	10481		0
18540-29-9	Chromium	7.24E-05	10481	0	0
16984-48-8	Fluoride	3.59E-05	10481		0
OHDEMAND	Hydroxide OH	7.71E-03	10481		0
7439-89-6	Iron	0		25	5
7439-91-0	Lanthanum	7.53E-07	10481		0
7439-92-1	Lead	0		5.2	5
7439-96-5	Manganese	0		1	1
7439-97-6	Mercury	0		5.2	5
7440-02-0	Nickel	0		48	5
14797-55-8	Nitrate	1.82E-03	10481	0	0
14797-65-0	Nitrite	4.30E-04	10481	0	0
338-70-5	Oxalate	1.96E-03	10481		0
14265-44-2	Phosphate	1.08E-03	10481		0
7440-21-3	Silicon	0		30	5
7440-23-5	Sodium	9.89E-03	10481		0
7440-24-6	Strontium	0		16.1	5
14808-79-8	Sulfate	4.04E-04	10481		0
7440-29-1	Thorium	0		1	1
7440-61-1	Uranium	0		0.6	0.6
7440-66-6	Zinc	0		62	5
7440-67-7	Zirconium	0		500	5

Half-Life

Years	
	Report Generated on: 5/26/2005, 2:48:41 PM
	Report Generated by H0098416 (David J. Watson)
12.33	**Decision Management Tool Version 4.0.0.37**
5730	241-BY-107 TanksB-BX-BYFarm_Jan01_HTWOS.txt
74999	
100.1	
5.2713	**Major Assumptions Used:**
805000	Dilution factor for WMA-B-BX-BY: 40
28.149	Compliance Monitoring Start Year :2001
16.13	
1530000	
211097	
1.01736	
14.1	
246000	
2.7299	
15700000	
2.0619	
29.999	
89.997	
13.33	
8.5919	
4.68	
1600	
5.7498	
21.769	
7340	
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32759	
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159198	
245694	
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87.697	
24110	
6563	
14.35	
373507	
432.7	
7370	
0.44611	
28.499	
18.1	
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Infinity	
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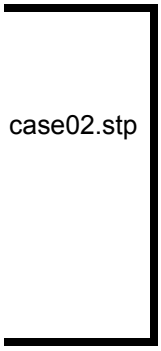
case02.stp

CAS Number	Analyte Name	Concentration pCi/L (Rad) or mg/L (Non-rad)	Peak Year	Kd	Kd Bin
3H	Tritium	0		0	0
14C	Carbon-14	1.91E-02	9781	0	0
59Ni	Nickel-59	0		48	5
63Ni	Nickel-63	0		48	5
60Co	Cobalt-60	0		0.1	0.1
79Se	Selenium-79	0		3.1	2
90Sr	Strontium-90 + D	0		16.1	5
93mNb	Niobium-93m	0		100	5
93Zr	Zirconium-93	0		600	5
99Tc	Technetium-99	5.31E+00	10461	0	0
106Ru	Ruthenium-106	0		1	1
113mCd	Cadmium-113m	0		1	1
126Sn	Tin-126	0		1	1
125Sb	Antimony-125	0		1	1
129I	Iodine-129	7.55E-09	12032	0.2	0.2
134Cs	Cesium-134	0		25	5
137Cs	Cesium-137 + Daughters	0		25	5
151Sm	Samarium-151	0		1	1
152Eu	Europium-152	0		1	1
154Eu	Europium-154	0		1	1
155Eu	Europium-155	0		1	1
226Ra	Radium-226 + D	0		1	1
228Ra	Radium-228 + D	0		1	1
227Ac	Actinium-227 + D	0		67	5
229Th	Thorium-229 + D	0		3	2
232Th	Thorium-232	0		3	2
231Pa	Protactinium-231	0		550	5
232U	Uranium-232	0		0.6	0.6
233U	Uranium-233	0		0.6	0.6
234U	Uranium-234	0		0.6	0.6
235U	Uranium-235 + D	0		0.6	0.6
236U	Uranium-236	0		0.6	0.6
238U	Uranium-238 + D	0		0.6	0.6
237Np	Neptunium-237 + D	0		2	2
238Pu	Plutonium-238	0		3	2
239Pu	Plutonium-239	0		3	2
240Pu	Plutonium-240	0		3	2
241Pu	Plutonium-241 + D	0		3	2
242Pu	Plutonium-242	0		3	2
241Am	Americium-241	0		3	2
243Am	Americium-243 + D	0		3	2
242Cm	Curium-242	0		3	2
243Cm	Curium-243	0		3	2
244Cm	Curium-244	0		3	2
7429-90-5	Aluminum	0		1	1
7440-69-9	Bismuth	3.85E-05	10481		0
7440-42-8	Boron	0		3	2

7440-70-2	Calcium	0		4	5
16887-00-6	Chloride	1.97E-05	10481		0
18540-29-9	Chromium	3.52E-05	10481	0	0
7440-48-4	Cobalt	2.34E-08	12032	0.1	0.1
7440-50-8	Copper	0		35	5
57-12-5	Cyanide	0		9.9	5
16984-48-8	Fluoride	8.97E-05	10481		0
OHDEMAND	Hydroxide OH	1.06E-02	10481		0
7439-89-6	Iron	0		25	5
7439-91-0	Lanthanum	1.78E-06	10481		0
7439-92-1	Lead	0		5.2	5
7439-93-2	Lithium	0		300	5
7439-96-5	Manganese	0		1	1
7439-97-6	Mercury	0		5.2	5
7439-98-7	Molybdenum	0		4	5
7440-02-0	Nickel	0		48	5
14797-55-8	Nitrate	2.07E-03	10481	0	0
14797-65-0	Nitrite	3.52E-04	10481	0	0
338-70-5	Oxalate	8.30E-04	10481		0
14265-44-2	Phosphate	1.06E-03	10481		0
7440-21-3	Silicon	0		30	5
7440-23-5	Sodium	3.07E-03	10481		0
7440-24-6	Strontium	0		16.1	5
14808-79-8	Sulfate	2.51E-04	10481		0
7440-29-1	Thorium	0		1	1
7440-61-1	Uranium	0		0.6	0.6
7440-66-6	Zinc	0		62	5
7440-67-7	Zirconium	0		500	5

Half-Life

Years	
	Report Generated on: 5/26/2005, 2:48:48 PM
	Report Generated by H0098416 (David J. Watson)
12.33	**Decision Management Tool Version 4.0.0.37**
5730	241-BY-108 TanksB-BX-BYFarm_Jan01_HTWOS.txt
74999	
100.1	
5.2713	**Major Assumptions Used:**
805000	Dilution factor for WMA-B-BX-BY: 40
28.149	Compliance Monitoring Start Year :2001
16.13	
1530000	
211097	
1.01736	
14.1	
246000	
2.7299	
15700000	
2.0619	
29.999	
89.997	
13.33	
8.5919	
4.68	
1600	
5.7498	
21.769	
7340	
14050000000	
32759	
69.799	
159198	
245694	
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87.697	
24110	
6563	
14.35	
373507	
432.7	
7370	
0.44611	
28.499	
18.1	
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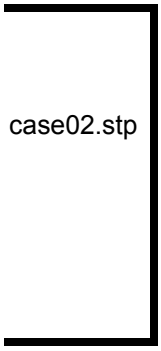
case02.stp

CAS Number	Analyte Name	Concentration pCi/L (Rad) or mg/L (Non-rad)	Peak Year	Kd	Kd Bin
3H	Tritium	0		0	0
14C	Carbon-14	5.60E-02	9781	0	0
59Ni	Nickel-59	0		48	5
63Ni	Nickel-63	0		48	5
60Co	Cobalt-60	0		0.1	0.1
79Se	Selenium-79	0		3.1	2
90Sr	Strontium-90 + D	0		16.1	5
93mNb	Niobium-93m	0		100	5
93Zr	Zirconium-93	0		600	5
99Tc	Technetium-99	5.69E+00	10461	0	0
106Ru	Ruthenium-106	0		1	1
113mCd	Cadmium-113m	0		1	1
126Sn	Tin-126	0		1	1
125Sb	Antimony-125	0		1	1
129I	Iodine-129	3.34E-08	12032	0.2	0.2
134Cs	Cesium-134	0		25	5
137Cs	Cesium-137 + Daughters	0		25	5
151Sm	Samarium-151	0		1	1
152Eu	Europium-152	0		1	1
154Eu	Europium-154	0		1	1
155Eu	Europium-155	0		1	1
226Ra	Radium-226 + D	0		1	1
228Ra	Radium-228 + D	0		1	1
227Ac	Actinium-227 + D	0		67	5
229Th	Thorium-229 + D	0		3	2
232Th	Thorium-232	0		3	2
231Pa	Protactinium-231	0		550	5
232U	Uranium-232	0		0.6	0.6
233U	Uranium-233	0		0.6	0.6
234U	Uranium-234	0		0.6	0.6
235U	Uranium-235 + D	0		0.6	0.6
236U	Uranium-236	0		0.6	0.6
238U	Uranium-238 + D	0		0.6	0.6
237Np	Neptunium-237 + D	0		2	2
238Pu	Plutonium-238	0		3	2
239Pu	Plutonium-239	0		3	2
240Pu	Plutonium-240	0		3	2
241Pu	Plutonium-241 + D	0		3	2
242Pu	Plutonium-242	0		3	2
241Am	Americium-241	0		3	2
243Am	Americium-243 + D	0		3	2
242Cm	Curium-242	0		3	2
243Cm	Curium-243	0		3	2
244Cm	Curium-244	0		3	2
7429-90-5	Aluminum	0		1	1
7440-36-0	Antimony	0		1	1
7440-39-3	Barium	0		60	5

7440-41-7	Beryllium	0		70	5
7440-69-9	Bismuth	1.07E-06	10481		0
7440-43-9	Cadmium	0		1.26	1
7440-70-2	Calcium	0		4	5
16887-00-6	Chloride	1.84E-05	10481		0
18540-29-9	Chromium	1.33E-04	10481	0	0
7440-48-4	Cobalt	4.81E-08	12032	0.1	0.1
7440-50-8	Copper	0		35	5
16984-48-8	Fluoride	1.70E-03	10481		0
OHDEMAND	Hydroxide OH	9.09E-03	10481		0
7439-89-6	Iron	0		25	5
7439-91-0	Lanthanum	4.75E-07	10481		0
7439-92-1	Lead	0		5.2	5
7439-93-2	Lithium	0		300	5
7439-96-5	Manganese	0		1	1
7439-97-6	Mercury	0		5.2	5
7439-98-7	Molybdenum	0		4	5
7440-02-0	Nickel	0		48	5
14797-55-8	Nitrate	1.10E-03	10481	0	0
14797-65-0	Nitrite	3.77E-04	10481	0	0
338-70-5	Oxalate	1.64E-03	10481		0
14265-44-2	Phosphate	1.20E-03	10481		0
7782-49-2	Selenium	0		5	5
7440-21-3	Silicon	0		30	5
7440-22-4	Silver	0		2.7	2
7440-23-5	Sodium	4.81E-03	10481		0
7440-24-6	Strontium	0		16.1	5
14808-79-8	Sulfate	1.16E-03	10481		0
7440-29-1	Thorium	0		1	1
7440-32-6	Titanium	0		1000	5
7440-61-1	Uranium	0		0.6	0.6
7440-62-2	Vanadium	0		50	5
7440-66-6	Zinc	0		62	5
7440-67-7	Zirconium	0		500	5

Half-Life

Years	
	Report Generated on: 5/26/2005, 2:48:56 PM
	Report Generated by H0098416 (David J. Watson)
12.33	**Decision Management Tool Version 4.0.0.37**
5730	241-BY-109 TanksB-BX-BYFarm_Jan01_HTWOS.txt
74999	
100.1	
5.2713	**Major Assumptions Used:**
805000	Dilution factor for WMA-B-BX-BY: 40
28.149	Compliance Monitoring Start Year :2001
16.13	
1530000	
211097	
1.01736	
14.1	
246000	
2.7299	
15700000	
2.0619	
29.999	
89.997	
13.33	
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4468000000	
2140000	
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24110	
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28.499	
18.1	
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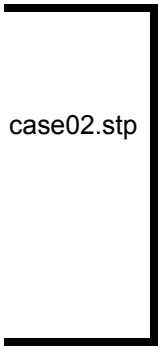
case02.stp

CAS Number	Analyte Name	Concentration pCi/L (Rad) or mg/L (Non-rad)	Peak Year	Kd	Kd Bin
3H	Tritium	0		0	0
14C	Carbon-14	1.16E-01	9781	0	0
59Ni	Nickel-59	0		48	5
63Ni	Nickel-63	0		48	5
60Co	Cobalt-60	0		0.1	0.1
79Se	Selenium-79	0		3.1	2
90Sr	Strontium-90 + D	0		16.1	5
93mNb	Niobium-93m	0		100	5
93Zr	Zirconium-93	0		600	5
99Tc	Technetium-99	1.31E+01	10461	0	0
106Ru	Ruthenium-106	0		1	1
113mCd	Cadmium-113m	0		1	1
126Sn	Tin-126	0		1	1
125Sb	Antimony-125	0		1	1
129I	Iodine-129	6.95E-08	12032	0.2	0.2
134Cs	Cesium-134	0		25	5
137Cs	Cesium-137 + Daughters	0		25	5
151Sm	Samarium-151	0		1	1
152Eu	Europium-152	0		1	1
154Eu	Europium-154	0		1	1
155Eu	Europium-155	0		1	1
226Ra	Radium-226 + D	0		1	1
228Ra	Radium-228 + D	0		1	1
227Ac	Actinium-227 + D	0		67	5
229Th	Thorium-229 + D	0		3	2
232Th	Thorium-232	0		3	2
231Pa	Protactinium-231	0		550	5
232U	Uranium-232	0		0.6	0.6
233U	Uranium-233	0		0.6	0.6
234U	Uranium-234	0		0.6	0.6
235U	Uranium-235 + D	0		0.6	0.6
236U	Uranium-236	0		0.6	0.6
238U	Uranium-238 + D	0		0.6	0.6
237Np	Neptunium-237 + D	0		2	2
238Pu	Plutonium-238	0		3	2
239Pu	Plutonium-239	0		3	2
240Pu	Plutonium-240	0		3	2
241Pu	Plutonium-241 + D	0		3	2
242Pu	Plutonium-242	0		3	2
241Am	Americium-241	0		3	2
243Am	Americium-243 + D	0		3	2
242Cm	Curium-242	0		3	2
243Cm	Curium-243	0		3	2
244Cm	Curium-244	0		3	2
7429-90-5	Aluminum	0		1	1
7440-38-2	Arsenic	0		39	5
7440-39-3	Barium	0		60	5

7440-41-7	Beryllium	0		70	5
7440-69-9	Bismuth	5.88E-05	10481		0
7440-42-8	Boron	0		3	2
7440-43-9	Cadmium	0		1.26	1
7440-70-2	Calcium	0		4	5
16887-00-6	Chloride	2.59E-05	10481		0
18540-29-9	Chromium	2.71E-04	10481	0	0
7440-48-4	Cobalt	3.23E-08	12032	0.1	0.1
7440-50-8	Copper	0		35	5
57-12-5	Cyanide	0		9.9	5
16984-48-8	Fluoride	5.03E-04	10481		0
OHDEMAND	Hydroxide OH	5.75E-03	10481		0
7439-89-6	Iron	0		25	5
7439-91-0	Lanthanum	1.40E-06	10481		0
7439-92-1	Lead	0		5.2	5
7439-93-2	Lithium	0		300	5
7439-95-4	Magnesium	0		4.5	5
7439-96-5	Manganese	0		1	1
7439-97-6	Mercury	0		5.2	5
7439-98-7	Molybdenum	0		4	5
7440-02-0	Nickel	0		48	5
14797-55-8	Nitrate	1.95E-03	10481	0	0
14797-65-0	Nitrite	4.95E-04	10481	0	0
338-70-5	Oxalate	2.82E-03	10481		0
14265-44-2	Phosphate	1.16E-03	10481		0
7440-21-3	Silicon	0		30	5
7440-22-4	Silver	0		2.7	2
7440-23-5	Sodium	5.73E-03	10481		0
7440-24-6	Strontium	0		16.1	5
14808-79-8	Sulfate	3.88E-04	10481		0
7440-29-1	Thorium	0		1	1
7440-32-6	Titanium	0		1000	5
7440-61-1	Uranium	0		0.6	0.6
7440-62-2	Vanadium	0		50	5
7440-66-6	Zinc	0		62	5
7440-67-7	Zirconium	0		500	5

Half-Life

Years	
	Report Generated on: 5/26/2005, 2:49:05 PM
	Report Generated by H0098416 (David J. Watson)
12.33	**Decision Management Tool Version 4.0.0.37**
5730	241-BY-110 TanksB-BX-BYFarm_Jan01_HTWOS.txt
74999	
100.1	
5.2713	**Major Assumptions Used:**
805000	Dilution factor for WMA-B-BX-BY: 40
28.149	Compliance Monitoring Start Year :2001
16.13	
1530000	
211097	
1.01736	
14.1	
246000	
2.7299	
15700000	
2.0619	
29.999	
89.997	
13.33	
8.5919	
4.68	
1600	
5.7498	
21.769	
7340	
14050000000	
32759	
69.799	
159198	
245694	
703700000	
23420000	
4468000000	
2140000	
87.697	
24110	
6563	
14.35	
373507	
432.7	
7370	
0.44611	
28.499	
18.1	
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Infinity	
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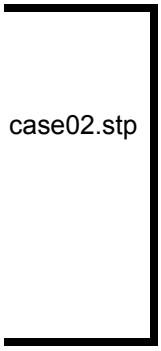
case02.stp

CAS Number	Analyte Name	Concentration pCi/L (Rad) or mg/L (Non-rad)	Peak Year	Kd	Kd Bin
3H	Tritium	0		0	0
14C	Carbon-14	1.68E-02	9781	0	0
59Ni	Nickel-59	0		48	5
63Ni	Nickel-63	0		48	5
60Co	Cobalt-60	0		0.1	0.1
79Se	Selenium-79	0		3.1	2
90Sr	Strontium-90 + D	0		16.1	5
93mNb	Niobium-93m	0		100	5
93Zr	Zirconium-93	0		600	5
99Tc	Technetium-99	5.08E+00	10461	0	0
106Ru	Ruthenium-106	0		1	1
113mCd	Cadmium-113m	0		1	1
126Sn	Tin-126	0		1	1
125Sb	Antimony-125	0		1	1
129I	Iodine-129	7.03E-09	12032	0.2	0.2
134Cs	Cesium-134	0		25	5
137Cs	Cesium-137 + Daughters	0		25	5
151Sm	Samarium-151	0		1	1
152Eu	Europium-152	0		1	1
154Eu	Europium-154	0		1	1
155Eu	Europium-155	0		1	1
226Ra	Radium-226 + D	0		1	1
228Ra	Radium-228 + D	0		1	1
227Ac	Actinium-227 + D	0		67	5
229Th	Thorium-229 + D	0		3	2
232Th	Thorium-232	0		3	2
231Pa	Protactinium-231	0		550	5
232U	Uranium-232	0		0.6	0.6
233U	Uranium-233	0		0.6	0.6
234U	Uranium-234	0		0.6	0.6
235U	Uranium-235 + D	0		0.6	0.6
236U	Uranium-236	0		0.6	0.6
238U	Uranium-238 + D	0		0.6	0.6
237Np	Neptunium-237 + D	0		2	2
238Pu	Plutonium-238	0		3	2
239Pu	Plutonium-239	0		3	2
240Pu	Plutonium-240	0		3	2
241Pu	Plutonium-241 + D	0		3	2
242Pu	Plutonium-242	0		3	2
241Am	Americium-241	0		3	2
243Am	Americium-243 + D	0		3	2
242Cm	Curium-242	0		3	2
243Cm	Curium-243	0		3	2
244Cm	Curium-244	0		3	2
7429-90-5	Aluminum	0		1	1
7440-41-7	Beryllium	0		70	5
7440-69-9	Bismuth	1.34E-06	10481		0

7440-43-9	Cadmium	0		1.26	1
7440-70-2	Calcium	0		4	5
16887-00-6	Chloride	1.21E-05	10481		0
18540-29-9	Chromium	1.63E-04	10481	0	0
16984-48-8	Fluoride	8.02E-05	10481		0
OHDEMAND	Hydroxide OH	1.08E-02	10481		0
7439-89-6	Iron	0		25	5
7439-91-0	Lanthanum	9.70E-12	10481		0
7439-92-1	Lead	0		5.2	5
7439-96-5	Manganese	0		1	1
7439-97-6	Mercury	0		5.2	5
7440-02-0	Nickel	0		48	5
14797-55-8	Nitrate	1.31E-03	10481	0	0
14797-65-0	Nitrite	1.58E-04	10481	0	0
338-70-5	Oxalate	1.64E-03	10481		0
14265-44-2	Phosphate	1.74E-03	10481		0
7440-21-3	Silicon	0		30	5
7440-23-5	Sodium	3.68E-03	10481		0
7440-24-6	Strontium	0		16.1	5
14808-79-8	Sulfate	5.90E-04	10481		0
7440-29-1	Thorium	0		1	1
7440-61-1	Uranium	0		0.6	0.6
7440-67-7	Zirconium	0		500	5

Half-Life

Years	
	Report Generated on: 5/26/2005, 2:49:16 PM
	Report Generated by H0098416 (David J. Watson)
12.33	**Decision Management Tool Version 4.0.0.37**
5730	241-BY-111 TanksB-BX-BYFarm_Jan01_HTWOS.txt
74999	
100.1	
5.2713	**Major Assumptions Used:**
805000	Dilution factor for WMA-B-BX-BY: 40
28.149	Compliance Monitoring Start Year :2001
16.13	
1530000	
211097	
1.01736	
14.1	
246000	
2.7299	
15700000	
2.0619	
29.999	
89.997	
13.33	
8.5919	
4.68	
1600	
5.7498	
21.769	
7340	
14050000000	
32759	
69.799	
159198	
245694	
703700000	
23420000	
4468000000	
2140000	
87.697	
24110	
6563	
14.35	
373507	
432.7	
7370	
0.44611	
28.499	
18.1	
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Infinity	
Infinity	

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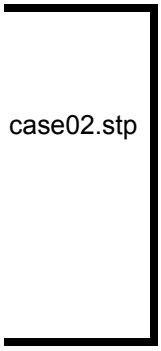
case02.stp

CAS Number	Analyte Name	Concentration pCi/L (Rad) or mg/L (Non-rad)	Peak Year	Kd	Kd Bin
3H	Tritium	0		0	0
14C	Carbon-14	1.07E-02	9781	0	0
59Ni	Nickel-59	0		48	5
63Ni	Nickel-63	0		48	5
60Co	Cobalt-60	0		0.1	0.1
79Se	Selenium-79	0		3.1	2
90Sr	Strontium-90 + D	0		16.1	5
93mNb	Niobium-93m	0		100	5
93Zr	Zirconium-93	0		600	5
99Tc	Technetium-99	2.76E+00	10461	0	0
106Ru	Ruthenium-106	0		1	1
113mCd	Cadmium-113m	0		1	1
126Sn	Tin-126	0		1	1
125Sb	Antimony-125	0		1	1
129I	Iodine-129	4.34E-08	12032	0.2	0.2
134Cs	Cesium-134	0		25	5
137Cs	Cesium-137 + Daughters	0		25	5
151Sm	Samarium-151	0		1	1
152Eu	Europium-152	0		1	1
154Eu	Europium-154	0		1	1
155Eu	Europium-155	0		1	1
226Ra	Radium-226 + D	0		1	1
228Ra	Radium-228 + D	0		1	1
227Ac	Actinium-227 + D	0		67	5
229Th	Thorium-229 + D	0		3	2
232Th	Thorium-232	0		3	2
231Pa	Protactinium-231	0		550	5
232U	Uranium-232	0		0.6	0.6
233U	Uranium-233	0		0.6	0.6
234U	Uranium-234	0		0.6	0.6
235U	Uranium-235 + D	0		0.6	0.6
236U	Uranium-236	0		0.6	0.6
238U	Uranium-238 + D	0		0.6	0.6
237Np	Neptunium-237 + D	0		2	2
238Pu	Plutonium-238	0		3	2
239Pu	Plutonium-239	0		3	2
240Pu	Plutonium-240	0		3	2
241Pu	Plutonium-241 + D	0		3	2
242Pu	Plutonium-242	0		3	2
241Am	Americium-241	0		3	2
243Am	Americium-243 + D	0		3	2
242Cm	Curium-242	0		3	2
243Cm	Curium-243	0		3	2
244Cm	Curium-244	0		3	2
7429-90-5	Aluminum	0		1	1
7440-69-9	Bismuth	1.65E-06	10481		0
7440-70-2	Calcium	0		4	5

16887-00-6	Chloride	1.16E-05	10481		0
18540-29-9	Chromium	1.66E-03	10481	0	0
16984-48-8	Fluoride	4.24E-04	10481		0
OHDEMAND	Hydroxide OH	6.96E-03	10481		0
7439-89-6	Iron	0		25	5
7439-91-0	Lanthanum	1.20E-11	10481		0
7439-92-1	Lead	0		5.2	5
7439-96-5	Manganese	0		1	1
7439-97-6	Mercury	0		5.2	5
7440-02-0	Nickel	0		48	5
14797-55-8	Nitrate	8.30E-04	10481	0	0
14797-65-0	Nitrite	2.42E-04	10481	0	0
338-70-5	Oxalate	2.95E-03	10481		0
14265-44-2	Phosphate	1.02E-03	10481		0
7440-21-3	Silicon	0		30	5
7440-23-5	Sodium	6.72E-03	10481		0
7440-24-6	Strontium	0		16.1	5
14808-79-8	Sulfate	9.20E-04	10481		0
7440-29-1	Thorium	0		1	1
7440-61-1	Uranium	0		0.6	0.6
7440-67-7	Zirconium	0		500	5

Half-Life

Years	
	Report Generated on: 5/26/2005, 2:49:24 PM
	Report Generated by H0098416 (David J. Watson)
12.33	**Decision Management Tool Version 4.0.0.37**
5730	241-BY-112 TanksB-BX-BYFarm_Jan01_HTWOS.txt
74999	
100.1	
5.2713	**Major Assumptions Used:**
805000	Dilution factor for WMA-B-BX-BY: 40
28.149	Compliance Monitoring Start Year :2001
16.13	
1530000	
211097	
1.01736	
14.1	
246000	
2.7299	
15700000	
2.0619	
29.999	
89.997	
13.33	
8.5919	
4.68	
1600	
5.7498	
21.769	
7340	
14050000000	
32759	
69.799	
159198	
245694	
703700000	
23420000	
4468000000	
2140000	
87.697	
24110	
6563	
14.35	
373507	
432.7	
7370	
0.44611	
28.499	
18.1	
Infinity	
Infinity	
Infinity	

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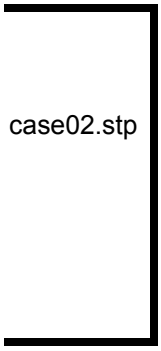
case02.stp

CAS Number	Analyte Name	Concentration	Peak Year	Kd
		pCi/L (Rad) or mg/L (Non-rad)		
3H	Tritium	0		0
14C	Carbon-14	2.11E-04	9781	0
59Ni	Nickel-59	0		48
63Ni	Nickel-63	0		48
60Co	Cobalt-60	0		0.1
79Se	Selenium-79	0		3.1
90Sr	Strontium-90 + D	0		16.1
93mNb	Niobium-93m	0		100
93Zr	Zirconium-93	0		600
99Tc	Technetium-99	2.82E-02	10461	0
106Ru	Ruthenium-106	0		1
113mCd	Cadmium-113m	0		1
126Sn	Tin-126	0		1
125Sb	Antimony-125	0		1
129I	Iodine-129	1.58E-11	12032	0.2
134Cs	Cesium-134	0		25
137Cs	Cesium-137 + Daughters	0		25
151Sm	Samarium-151	0		1
152Eu	Europium-152	0		1
154Eu	Europium-154	0		1
155Eu	Europium-155	0		1
226Ra	Radium-226 + D	0		1
227Ac	Actinium-227 + D	0		67
229Th	Thorium-229 + D	0		3
232Th	Thorium-232	0		3
231Pa	Protactinium-231	0		550
232U	Uranium-232	0		0.6
233U	Uranium-233	0		0.6
234U	Uranium-234	0		0.6
235U	Uranium-235 + D	0		0.6
236U	Uranium-236	0		0.6
238U	Uranium-238 + D	0		0.6
237Np	Neptunium-237 + D	0		2
238Pu	Plutonium-238	0		3
239Pu	Plutonium-239	0		3
240Pu	Plutonium-240	0		3
241Pu	Plutonium-241 + D	0		3
242Pu	Plutonium-242	0		3
241Am	Americium-241	0		3
243Am	Americium-243 + D	0		3
242Cm	Curium-242	0		3
243Cm	Curium-243	0		3
244Cm	Curium-244	0		3
7429-90-5	Aluminum	0		1
7664-41-7	Ammonia -- (a)	1.93E-07	10481	0.00093
7440-36-0	Antimony	0		1
7440-38-2	Arsenic	0		39

7440-39-3	Barium	0		60
7440-41-7	Beryllium	0		70
7440-69-9	Bismuth	7.95E-05	10481	
7440-42-8	Boron	0		3
7440-43-9	Cadmium	0		1.26
7440-70-2	Calcium	0		4
7440-45-1	Cerium	1.23E-07	10481	
16887-00-6	Chloride	9.85E-07	10481	
18540-29-9	Chromium	5.36E-06	10481	0
7440-48-4	Cobalt	4.25E-10	12032	0.1
7440-50-8	Copper	0		35
57-12-5	Cyanide	0		9.9
16984-48-8	Fluoride	4.69E-05	10481	
OHDEMAND	Hydroxide OH	3.54E-04	10481	
7439-89-6	Iron	0		25
7439-91-0	Lanthanum	1.01E-06	10481	
7439-92-1	Lead	0		5.2
7439-93-2	Lithium	0		300
7439-95-4	Magnesium	0		4.5
7439-96-5	Manganese	0		1
7439-97-6	Mercury	0		5.2
7439-98-7	Molybdenum	0		4
7440-00-8	Neodymium	8.57E-08	10481	
7440-02-0	Nickel	0		48
14797-55-8	Nitrate	1.42E-04	10481	0
14797-65-0	Nitrite	1.61E-05	10481	0
338-70-5	Oxalate	1.28E-05	10481	
14265-44-2	Phosphate	1.68E-04	10481	
7440-16-6	Rhodium	2.04E-08	10481	
7440-18-8	Ruthenium	0		1
7782-49-2	Selenium	0		5
7440-21-3	Silicon	0		30
7440-22-4	Silver	0		2.7
7440-23-5	Sodium	1.93E-04	10481	
7440-24-6	Strontium	0		16.1
14808-79-8	Sulfate	5.27E-05	10481	
13494-80-9	Tellurium	2.44E-08	10481	
7440-28-0	Thallium	0		71
7440-29-1	Thorium	0		1
7440-32-6	Titanium	0		1000
7440-33-7	Tungsten	1.16E-08	10481	
7440-61-1	Uranium	0		0.6
7440-62-2	Vanadium	0		50
7440-65-5	Yttrium	1.89E-09	10481	
7440-66-6	Zinc	0		62
7440-67-7	Zirconium	0		500

Kd Bin	Half-Life
	Years
0	12.33
0	5730
5	74999
5	100.1
0.1	5.2713
2	805000
5	28.149
5	16.13
5	1530000
0	211097
1	1.01736
1	14.1
1	246000
1	2.7299
0.2	15700000
5	2.0619
5	29.999
1	89.997
1	13.33
1	8.5919
1	4.68
1	1600
5	21.769
2	7340
2	14050000000
5	32759
0.6	69.799
0.6	159198
0.6	245694
0.6	703700000
0.6	23420000
0.6	4468000000
2	2140000
2	87.697
2	24110
2	6563
2	14.35
2	373507
2	432.7
2	7370
2	0.44611
2	28.499
2	18.1
1	Infinity
0	Infinity
1	Infinity
5	Infinity

Report Generated on: 5/27/2005, 8:40:23 AM
Report Generated by devans (Doug Evans)
Decision Management Tool Version 4.0.0.37
241-B-301 TanksB-BX-BYFarm_MUST.txt

Major Assumptions Used:
Dilution factor for WMA-B-BX-BY: 40
Compliance Monitoring Start Year :2001

5	Infinity
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2	Infinity
1	Infinity
5	Infinity
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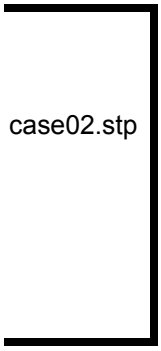
0	Infinity
0.6	Infinity
5	Infinity
0	Infinity
5	Infinity
5	Infinity


case02.stp

CAS Number	Analyte Name	Concentration pCi/L (Rad) or mg/L (Non-rad)	Peak Year	Kd	Kd Bin
3H	Tritium	0		0	0
14C	Carbon-14	1.83E-04	9781	0	0
59Ni	Nickel-59	0		48	5
63Ni	Nickel-63	0		48	5
60Co	Cobalt-60	0		0.1	0.1
79Se	Selenium-79	0		3.1	2
90Sr	Strontium-90 + D	0		16.1	5
93mNb	Niobium-93m	0		100	5
93Zr	Zirconium-93	0		600	5
99Tc	Technetium-99	2.99E-02	10461	0	0
106Ru	Ruthenium-106	0		1	1
113mCd	Cadmium-113m	0		1	1
126Sn	Tin-126	0		1	1
125Sb	Antimony-125	0		1	1
129I	Iodine-129	1.05E-10	12032	0.2	0.2
134Cs	Cesium-134	0		25	5
137Cs	Cesium-137 + Daughters	0		25	5
151Sm	Samarium-151	0		1	1
152Eu	Europium-152	0		1	1
154Eu	Europium-154	0		1	1
155Eu	Europium-155	0		1	1
226Ra	Radium-226 + D	0		1	1
228Ra	Radium-228 + D	0		1	1
227Ac	Actinium-227 + D	0		67	5
229Th	Thorium-229 + D	0		3	2
232Th	Thorium-232	0		3	2
231Pa	Protactinium-231	0		550	5
232U	Uranium-232	0		0.6	0.6
233U	Uranium-233	0		0.6	0.6
234U	Uranium-234	0		0.6	0.6
235U	Uranium-235 + D	0		0.6	0.6
236U	Uranium-236	0		0.6	0.6
238U	Uranium-238 + D	0		0.6	0.6
237Np	Neptunium-237 + D	0		2	2
238Pu	Plutonium-238	0		3	2
239Pu	Plutonium-239	0		3	2
240Pu	Plutonium-240	0		3	2
241Pu	Plutonium-241 + D	0		3	2
242Pu	Plutonium-242	0		3	2
241Am	Americium-241	0		3	2
243Am	Americium-243 + D	0		3	2
242Cm	Curium-242	0		3	2
243Cm	Curium-243	0		3	2
244Cm	Curium-244	0		3	2
7429-90-5	Aluminum	0		1	1
7440-36-0	Antimony	0		1	1
7440-38-2	Arsenic	0		39	5

7440-39-3	Barium	0		60	5
7440-41-7	Beryllium	0		70	5
7440-69-9	Bismuth	1.04E-05	10481		0
7440-42-8	Boron	0		3	2
7440-43-9	Cadmium	0		1.26	1
7440-70-2	Calcium	0		4	5
7440-45-1	Cerium	3.99E-08	10481		0
16887-00-6	Chloride	1.05E-07	10481		0
18540-29-9	Chromium	2.62E-06	10481	0	0
7440-48-4	Cobalt	1.98E-10	12032	0.1	0.1
7440-50-8	Copper	0		35	5
57-12-5	Cyanide	0		9.9	5
16984-48-8	Fluoride	3.71E-06	10481		0
OHDEMAND	Hydroxide OH	1.31E-04	10481		0
7439-89-6	Iron	0		25	5
7439-91-0	Lanthanum	4.28E-08	10481		0
7439-92-1	Lead	0		5.2	5
7439-93-2	Lithium	0		300	5
7439-95-4	Magnesium	0		4.5	5
7439-96-5	Manganese	0		1	1
7439-97-6	Mercury	0		5.2	5
7439-98-7	Molybdenum	0		4	5
7440-00-8	Neodymium	1.69E-08	10481		0
7440-02-0	Nickel	0		48	5
14797-55-8	Nitrate	3.10E-05	10481	0	0
14797-65-0	Nitrite	3.54E-06	10481	0	0
338-70-5	Oxalate	2.13E-06	10481		0
14265-44-2	Phosphate	5.29E-05	10481		0
7782-49-2	Selenium	0		5	5
7440-21-3	Silicon	0		30	5
7440-22-4	Silver	0		2.7	2
7440-23-5	Sodium	4.30E-05	10481		0
7440-24-6	Strontium	0		16.1	5
14808-79-8	Sulfate	3.82E-06	10481		0
7440-29-1	Thorium	0		1	1
7440-32-6	Titanium	0		1000	5
7440-61-1	Uranium	0		0.6	0.6
7440-62-2	Vanadium	0		50	5
7440-65-5	Yttrium	5.63E-09	10481		0
7440-66-6	Zinc	0		62	5
7440-67-7	Zirconium	0		500	5

Half-Life

Years	
	Report Generated on: 5/27/2005, 8:41:17 AM
	Report Generated by devans (Doug Evans)
12.33	**Decision Management Tool Version 4.0.0.37**
5730	241-BX-302A TanksB-BX-BYFarm_MUST.txt case02.stp
74999	
100.1	
5.2713	**Major Assumptions Used:**
805000	Dilution factor for WMA-B-BX-BY: 40
28.149	Compliance Monitoring Start Year :2001
16.13	
1530000	
211097	
1.01736	
14.1	
246000	
2.7299	
15700000	
2.0619	
29.999	
89.997	
13.33	
8.5919	
4.68	
1600	
5.7498	
21.769	
7340	
14050000000	
32759	
69.799	
159198	
245694	
703700000	
23420000	
4468000000	
2140000	
87.697	
24110	
6563	
14.35	
373507	
432.7	
7370	
0.44611	
28.499	
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CAS Number	Analyte Name	Concentration	Peak Year	Kd	Kd Bin
		pCi/L (Rad) or mg/L (Non-rad)			
3H	Tritium	0		0	0
14C	Carbon-14	4.85E-04	9781	0	0
59Ni	Nickel-59	0		48	5
63Ni	Nickel-63	0		48	5
60Co	Cobalt-60	0		0.1	0.1
79Se	Selenium-79	0		3.1	2
90Sr	Strontium-90 + D	0		16.1	5
93mNb	Niobium-93m	0		100	5
93Zr	Zirconium-93	0		600	5
99Tc	Technetium-99	7.95E-02	10461	0	0
106Ru	Ruthenium-106	0		1	1
113mCd	Cadmium-113m	0		1	1
126Sn	Tin-126	0		1	1
125Sb	Antimony-125	0		1	1
129I	Iodine-129	2.80E-10	12032	0.2	0.2
134Cs	Cesium-134	0		25	5
137Cs	Cesium-137 + Daughters	0		25	5
151Sm	Samarium-151	0		1	1
152Eu	Europium-152	0		1	1
154Eu	Europium-154	0		1	1
155Eu	Europium-155	0		1	1
226Ra	Radium-226 + D	0		1	1
228Ra	Radium-228 + D	0		1	1
227Ac	Actinium-227 + D	0		67	5
229Th	Thorium-229 + D	0		3	2
232Th	Thorium-232	0		3	2
231Pa	Protactinium-231	0		550	5
232U	Uranium-232	0		0.6	0.6
233U	Uranium-233	0		0.6	0.6
234U	Uranium-234	0		0.6	0.6
235U	Uranium-235 + D	0		0.6	0.6
236U	Uranium-236	0		0.6	0.6
238U	Uranium-238 + D	0		0.6	0.6
237Np	Neptunium-237 + D	0		2	2
238Pu	Plutonium-238	0		3	2
239Pu	Plutonium-239	0		3	2
240Pu	Plutonium-240	0		3	2
241Pu	Plutonium-241 + D	0		3	2
242Pu	Plutonium-242	0		3	2
241Am	Americium-241	0		3	2
243Am	Americium-243 + D	0		3	2
242Cm	Curium-242	0		3	2
243Cm	Curium-243	0		3	2
244Cm	Curium-244	0		3	2
7429-90-5	Aluminum	0		1	1
7440-36-0	Antimony	0		1	1
7440-38-2	Arsenic	0		39	5

7440-39-3	Barium	0		60	5
7440-41-7	Beryllium	0		70	5
7440-69-9	Bismuth	2.76E-05	10481		0
7440-42-8	Boron	0		3	2
7440-43-9	Cadmium	0		1.26	1
7440-70-2	Calcium	0		4	5
7440-45-1	Cerium	1.06E-07	10481		0
16887-00-6	Chloride	2.79E-07	10481		0
18540-29-9	Chromium	6.95E-06	10481	0	0
7440-48-4	Cobalt	5.25E-10	12032	0.1	0.1
7440-50-8	Copper	0		35	5
57-12-5	Cyanide	0		9.9	5
16984-48-8	Fluoride	9.86E-06	10481		0
OHDEMAND	Hydroxide OH	3.49E-04	10481		0
7439-89-6	Iron	0		25	5
7439-91-0	Lanthanum	1.14E-07	10481		0
7439-92-1	Lead	0		5.2	5
7439-93-2	Lithium	0		300	5
7439-95-4	Magnesium	0		4.5	5
7439-96-5	Manganese	0		1	1
7439-97-6	Mercury	0		5.2	5
7439-98-7	Molybdenum	0		4	5
7440-00-8	Neodymium	4.48E-08	10481		0
7440-02-0	Nickel	0		48	5
14797-55-8	Nitrate	8.25E-05	10481	0	0
14797-65-0	Nitrite	9.41E-06	10481	0	0
338-70-5	Oxalate	5.65E-06	10481		0
14265-44-2	Phosphate	1.40E-04	10481		0
7782-49-2	Selenium	0		5	5
7440-21-3	Silicon	0		30	5
7440-22-4	Silver	0		2.7	2
7440-23-5	Sodium	1.14E-04	10481		0
7440-24-6	Strontium	0		16.1	5
14808-79-8	Sulfate	1.01E-05	10481		0
7440-29-1	Thorium	0		1	1
7440-32-6	Titanium	0		1000	5
7440-61-1	Uranium	0		0.6	0.6
7440-62-2	Vanadium	0		50	5
7440-65-5	Yttrium	1.50E-08	10481		0
7440-66-6	Zinc	0		62	5
7440-67-7	Zirconium	0		500	5

Half-Life

Years	
	Report Generated on: 5/27/2005, 8:41:31 AM
	Report Generated by devans (Doug Evans)
12.33	**Decision Management Tool Version 4.0.0.37**
5730	244-BX-DCR TanksB-BX-BYFarm_MUST.txt case02.stp
74999	
100.1	
5.2713	**Major Assumptions Used:**
805000	Dilution factor for WMA-B-BX-BY: 40
28.149	Compliance Monitoring Start Year :2001
16.13	
1530000	
211097	
1.01736	
14.1	
246000	
2.7299	
15700000	
2.0619	
29.999	
89.997	
13.33	
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4.68	
1600	
5.7498	
21.769	
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69.799	
159198	
245694	
703700000	
23420000	
4468000000	
2140000	
87.697	
24110	
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14.35	
373507	
432.7	
7370	
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CAS Number	Analyte Name	Concentration	Peak Year	Kd	Kd Bin
		pCi/L (Rad) or mg/L (Non-rad)			
3H	Tritium	0		0	0
14C	Carbon-14	1.71E-03	9781	0	0
59Ni	Nickel-59	0		48	5
63Ni	Nickel-63	0		48	5
60Co	Cobalt-60	0		0.1	0.1
79Se	Selenium-79	0		3.1	2
90Sr	Strontium-90 + D	0		16.1	5
93mNb	Niobium-93m	0		100	5
93Zr	Zirconium-93	0		600	5
99Tc	Technetium-99	2.81E-01	10461	0	0
106Ru	Ruthenium-106	0		1	1
113mCd	Cadmium-113m	0		1	1
126Sn	Tin-126	0		1	1
125Sb	Antimony-125	0		1	1
129I	Iodine-129	9.88E-10	12032	0.2	0.2
134Cs	Cesium-134	0		25	5
137Cs	Cesium-137 + Daughters	0		25	5
151Sm	Samarium-151	0		1	1
152Eu	Europium-152	0		1	1
154Eu	Europium-154	0		1	1
155Eu	Europium-155	0		1	1
226Ra	Radium-226 + D	0		1	1
228Ra	Radium-228 + D	0		1	1
227Ac	Actinium-227 + D	0		67	5
229Th	Thorium-229 + D	0		3	2
232Th	Thorium-232	0		3	2
231Pa	Protactinium-231	0		550	5
232U	Uranium-232	0		0.6	0.6
233U	Uranium-233	0		0.6	0.6
234U	Uranium-234	0		0.6	0.6
235U	Uranium-235 + D	0		0.6	0.6
236U	Uranium-236	0		0.6	0.6
238U	Uranium-238 + D	0		0.6	0.6
237Np	Neptunium-237 + D	0		2	2
238Pu	Plutonium-238	0		3	2
239Pu	Plutonium-239	0		3	2
240Pu	Plutonium-240	0		3	2
241Pu	Plutonium-241 + D	0		3	2
242Pu	Plutonium-242	0		3	2
241Am	Americium-241	0		3	2
243Am	Americium-243 + D	0		3	2
242Cm	Curium-242	0		3	2
243Cm	Curium-243	0		3	2
244Cm	Curium-244	0		3	2
7429-90-5	Aluminum	0		1	1
7440-36-0	Antimony	0		1	1
7440-38-2	Arsenic	0		39	5

7440-39-3	Barium	0		60	5
7440-41-7	Beryllium	0		70	5
7440-69-9	Bismuth	9.74E-05	10481		0
7440-42-8	Boron	0		3	2
7440-43-9	Cadmium	0		1.26	1
7440-70-2	Calcium	0		4	5
7440-45-1	Cerium	3.74E-07	10481		0
16887-00-6	Chloride	9.83E-07	10481		0
18540-29-9	Chromium	2.45E-05	10481	0	0
7440-48-4	Cobalt	1.85E-09	12032	0.1	0.1
7440-50-8	Copper	0		35	5
57-12-5	Cyanide	0		9.9	5
16984-48-8	Fluoride	3.48E-05	10481		0
OHDEMAND	Hydroxide OH	1.23E-03	10481		0
7439-89-6	Iron	0		25	5
7439-91-0	Lanthanum	4.01E-07	10481		0
7439-92-1	Lead	0		5.2	5
7439-93-2	Lithium	0		300	5
7439-95-4	Magnesium	0		4.5	5
7439-96-5	Manganese	0		1	1
7439-97-6	Mercury	0		5.2	5
7439-98-7	Molybdenum	0		4	5
7440-00-8	Neodymium	1.58E-07	10481		0
7440-02-0	Nickel	0		48	5
14797-55-8	Nitrate	2.91E-04	10481	0	0
14797-65-0	Nitrite	3.32E-05	10481	0	0
338-70-5	Oxalate	1.99E-05	10481		0
14265-44-2	Phosphate	4.96E-04	10481		0
7782-49-2	Selenium	0		5	5
7440-21-3	Silicon	0		30	5
7440-22-4	Silver	0		2.7	2
7440-23-5	Sodium	4.03E-04	10481		0
7440-24-6	Strontium	0		16.1	5
14808-79-8	Sulfate	3.58E-05	10481		0
7440-29-1	Thorium	0		1	1
7440-32-6	Titanium	0		1000	5
7440-61-1	Uranium	0		0.6	0.6
7440-62-2	Vanadium	0		50	5
7440-65-5	Yttrium	5.28E-08	10481		0
7440-66-6	Zinc	0		62	5
7440-67-7	Zirconium	0		500	5

Half-Life

Years	
	Report Generated on: 5/27/2005, 8:41:54 AM
	Report Generated by devans (Doug Evans)
12.33	**Decision Management Tool Version 4.0.0.37**
5730	244-BXR Vault TanksB-BX-BYFarm_MUST.txt case02.stp
74999	
100.1	
5.2713	**Major Assumptions Used:**
805000	Dilution factor for WMA-B-BX-BY: 40
28.149	Compliance Monitoring Start Year :2001
16.13	
1530000	
211097	
1.01736	
14.1	
246000	
2.7299	
15700000	
2.0619	
29.999	
89.997	
13.33	
8.5919	
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21.769	
7340	
14050000000	
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159198	
245694	
703700000	
23420000	
4468000000	
2140000	
87.697	
24110	
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CAS Number	Analyte Name	Concentration	Peak Year	Kd
		pCi/L (Rad) or mg/L (Non-rad)		
3H	Tritium	0		0
14C	Carbon-14	2.10E-02	9781	0
59Ni	Nickel-59	0		48
63Ni	Nickel-63	0		48
60Co	Cobalt-60	0		0.1
79Se	Selenium-79	0		3.1
90Sr	Strontium-90 + D	0		16.1
93mNb	Niobium-93m	0		100
93Zr	Zirconium-93	0		600
99Tc	Technetium-99	1.61E+00	10461	0
106Ru	Ruthenium-106	0		1
113mCd	Cadmium-113m	0		1
126Sn	Tin-126	0		1
125Sb	Antimony-125	0		1
129I	Iodine-129	1.63E-09	12032	0.2
134Cs	Cesium-134	0		25
137Cs	Cesium-137 + Daughters	0		25
151Sm	Samarium-151	0		1
152Eu	Europium-152	0		1
154Eu	Europium-154	0		1
155Eu	Europium-155	0		1
226Ra	Radium-226 + D	0		1
228Ra	Radium-228 + D	0		1
227Ac	Actinium-227 + D	0		67
229Th	Thorium-229 + D	0		3
232Th	Thorium-232	0		3
231Pa	Protactinium-231	0		550
232U	Uranium-232	0		0.6
233U	Uranium-233	0		0.6
234U	Uranium-234	0		0.6
235U	Uranium-235 + D	0		0.6
236U	Uranium-236	0		0.6
238U	Uranium-238 + D	0		0.6
237Np	Neptunium-237 + D	0		2
238Pu	Plutonium-238	0		3
239Pu	Plutonium-239	0		3
240Pu	Plutonium-240	0		3
241Pu	Plutonium-241 + D	0		3
242Pu	Plutonium-242	0		3
241Am	Americium-241	0		3
243Am	Americium-243 + D	0		3
242Cm	Curium-242	0		3
243Cm	Curium-243	0		3
244Cm	Curium-244	0		3
7429-90-5	Aluminum	0		1
7664-41-7	Ammonia -- (a)	4.28E-05	10481	0.00093
7440-36-0	Antimony	0		1

7440-38-2	Arsenic	0		39
7440-39-3	Barium	0		60
7440-41-7	Beryllium	0		70
7440-69-9	Bismuth	7.56E-03	10481	
7440-42-8	Boron	0		3
7440-43-9	Cadmium	0		1.26
7440-70-2	Calcium	0		4
7440-45-1	Cerium	6.31E-06	10481	
16887-00-6	Chloride	1.01E-04	10481	
18540-29-9	Chromium	3.85E-04	10481	0
7440-48-4	Cobalt	7.31E-08	12032	0.1
7440-50-8	Copper	0		35
57-12-5	Cyanide	0		9.9
16984-48-8	Fluoride	2.41E-03	10481	
OHDEMAND	Hydroxide OH	2.42E-02	10481	
7439-89-6	Iron	0		25
7439-91-0	Lanthanum	1.04E-05	10481	
7439-92-1	Lead	0		5.2
7439-93-2	Lithium	0		300
7439-95-4	Magnesium	0		4.5
7439-96-5	Manganese	0		1
7439-97-6	Mercury	0		5.2
7439-98-7	Molybdenum	0		4
7440-00-8	Neodymium	1.76E-06	10481	
7440-02-0	Nickel	0		48
14797-55-8	Nitrate	1.92E-02	10481	0
14797-65-0	Nitrite	9.97E-04	10481	0
338-70-5	Oxalate	6.70E-04	10481	
14265-44-2	Phosphate	1.41E-02	10481	
7440-16-6	Rhodium	1.42E-06	10481	
7440-18-8	Ruthenium	0		1
7782-49-2	Selenium	0		5
7440-21-3	Silicon	0		30
7440-22-4	Silver	0		2.7
7440-23-5	Sodium	1.64E-02	10481	
7440-24-6	Strontium	0		16.1
14808-79-8	Sulfate	4.37E-03	10481	
13494-80-9	Tellurium	2.07E-06	10481	
7440-29-1	Thorium	0		1
7440-32-6	Titanium	0		1000
7440-61-1	Uranium	0		0.6
7440-62-2	Vanadium	0		50
7440-65-5	Yttrium	5.84E-08	10481	
7440-66-6	Zinc	0		62
7440-67-7	Zirconium	0		500

Kd Bin	Half-Life
	Years
0	12.33
0	5730
5	74999
5	100.1
0.1	5.2713
2	805000
5	28.149
5	16.13
5	1530000
0	211097
1	1.01736
1	14.1
1	246000
1	2.7299
0.2	15700000
5	2.0619
5	29.999
1	89.997
1	13.33
1	8.5919
1	4.68
1	1600
1	5.7498
5	21.769
2	7340
2	14050000000
5	32759
0.6	69.799
0.6	159198
0.6	245694
0.6	703700000
0.6	23420000
0.6	4468000000
2	2140000
2	87.697
2	24110
2	6563
2	14.35
2	373507
2	432.7
2	7370
2	0.44611
2	28.499
2	18.1
1	Infinity
0	Infinity
1	Infinity

Report Generated on: 5/31/2005, 11:05:28 AM
Report Generated by devans (Doug Evans)
Decision Management Tool Version 4.0.0.37

241-B-101	TanksB-BX-BYFarm_Jan01_HTWOS.txt
241-B-104	TanksB-BX-BYFarm_Jan01_HTWOS.txt
241-B-107	TanksB-BX-BYFarm_Jan01_HTWOS.txt
241-B-110	TanksB-BX-BYFarm_Jan01_HTWOS.txt
241-BX-302A	TanksB-BX-BYFarm_MUST.txt
244-BXR Vault	TanksB-BX-BYFarm_MUST.txt

Major Assumptions Used:

Dilution factor for WMA-B-BX-BY: 40
Compliance Monitoring Start Year :2001

Verified by John Middleton 6/15/05

5	Infinity
5	Infinity
5	Infinity
0	Infinity
2	Infinity
1	Infinity
5	Infinity
0	Infinity
0	Infinity
0	Infinity
0.1	Infinity
5	Infinity
5	Infinity
0	Infinity
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1	Infinity
5	Infinity
5	Infinity
2	Infinity
0	Infinity
5	Infinity
0	Infinity
0	Infinity
1	Infinity
5	Infinity
0.6	Infinity
5	Infinity
0	Infinity
5	Infinity
5	Infinity

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CAS Number	Analyte Name	Concentration	Peak Year	Kd
		pCi/L (Rad) or mg/L (Non-rad)		
3H	Tritium	0		0
14C	Carbon-14	1.91E-02	9781	0
59Ni	Nickel-59	0		48
63Ni	Nickel-63	0		48
60Co	Cobalt-60	0		0.1
79Se	Selenium-79	0		3.1
90Sr	Strontium-90 + D	0		16.1
93mNb	Niobium-93m	0		100
93Zr	Zirconium-93	0		600
99Tc	Technetium-99	1.30E+00	10461	0
106Ru	Ruthenium-106	0		1
113mCd	Cadmium-113m	0		1
126Sn	Tin-126	0		1
125Sb	Antimony-125	0		1
129I	Iodine-129	5.33E-10	12032	0.2
134Cs	Cesium-134	0		25
137Cs	Cesium-137 + Daughters	0		25
151Sm	Samarium-151	0		1
152Eu	Europium-152	0		1
154Eu	Europium-154	0		1
155Eu	Europium-155	0		1
226Ra	Radium-226 + D	0		1
228Ra	Radium-228 + D	0		1
227Ac	Actinium-227 + D	0		67
229Th	Thorium-229 + D	0		3
232Th	Thorium-232	0		3
231Pa	Protactinium-231	0		550
232U	Uranium-232	0		0.6
233U	Uranium-233	0		0.6
234U	Uranium-234	0		0.6
235U	Uranium-235 + D	0		0.6
236U	Uranium-236	0		0.6
238U	Uranium-238 + D	0		0.6
237Np	Neptunium-237 + D	0		2
238Pu	Plutonium-238	0		3
239Pu	Plutonium-239	0		3
240Pu	Plutonium-240	0		3
241Pu	Plutonium-241 + D	0		3
242Pu	Plutonium-242	0		3
241Am	Americium-241	0		3
243Am	Americium-243 + D	0		3
242Cm	Curium-242	0		3
243Cm	Curium-243	0		3
244Cm	Curium-244	0		3
7429-90-5	Aluminum	0		1
7664-41-7	Ammonia -- (a)	4.28E-05	10481	0.00093
7440-36-0	Antimony	0		1

7440-39-3	Barium	0		60
7440-41-7	Beryllium	0		70
7440-69-9	Bismuth	7.46E-03	10481	
7440-42-8	Boron	0		3
7440-43-9	Cadmium	0		1.26
7440-70-2	Calcium	0		4
7440-45-1	Cerium	5.90E-06	10481	
16887-00-6	Chloride	9.98E-05	10481	
18540-29-9	Chromium	3.58E-04	10481	0
7440-48-4	Cobalt	7.11E-08	12032	0.1
7440-50-8	Copper	0		35
16984-48-8	Fluoride	2.37E-03	10481	
OHDEMAND	Hydroxide OH	2.28E-02	10481	
7439-89-6	Iron	0		25
7439-91-0	Lanthanum	9.97E-06	10481	
7439-92-1	Lead	0		5.2
7439-93-2	Lithium	0		300
7439-95-4	Magnesium	0		4.5
7439-96-5	Manganese	0		1
7439-97-6	Mercury	0		5.2
7439-98-7	Molybdenum	0		4
7440-00-8	Neodymium	1.59E-06	10481	
7440-02-0	Nickel	0		48
14797-55-8	Nitrate	1.89E-02	10481	0
14797-65-0	Nitrite	9.60E-04	10481	0
338-70-5	Oxalate	6.48E-04	10481	
14265-44-2	Phosphate	1.36E-02	10481	
7440-16-6	Rhodium	1.42E-06	10481	
7440-18-8	Ruthenium	0		1
7782-49-2	Selenium	0		5
7440-21-3	Silicon	0		30
7440-22-4	Silver	0		2.7
7440-23-5	Sodium	1.59E-02	10481	
7440-24-6	Strontium	0		16.1
14808-79-8	Sulfate	4.33E-03	10481	
13494-80-9	Tellurium	2.07E-06	10481	
7440-29-1	Thorium	0		1
7440-32-6	Titanium	0		1000
7440-61-1	Uranium	0		0.6
7440-62-2	Vanadium	0		50
7440-66-6	Zinc	0		62
7440-67-7	Zirconium	0		500

total non-zero = 21

Kd Bin	Half-Life	
	Years	**Report Generated on: 5/26/2005, 2:53:55 PM**
		Report Generated by H0098416 (David J. Watson)
0	12.33	**Decision Management Tool Version 4.0.0.37**
0	5730	241-B-101 TanksB-BX-BYFarm_Jan01_HTWOS.txt
5	74999	
5	100.1	241-B-104 TanksB-BX-BYFarm_Jan01_HTWOS.txt
0.1	5.2713	
2	805000	241-B-107 TanksB-BX-BYFarm_Jan01_HTWOS.txt
5	28.149	
5	16.13	241-B-110 TanksB-BX-BYFarm_Jan01_HTWOS.txt
5	1530000	
0	211097	
1	1.01736	**Major Assumptions Used:**
1	14.1	Dilution factor for WMA-B-BX-BY: 40
1	246000	Compliance Monitoring Start Year :2001
1	2.7299	
0.2	15700000	
5	2.0619	
5	29.999	Verified by John Middleton 6/15/05
1	89.997	
1	13.33	
1	8.5919	
1	4.68	
1	1600	
1	5.7498	
5	21.769	
2	7340	
2	14050000000	
5	32759	
0.6	69.799	
0.6	159198	
0.6	245694	
0.6	703700000	
0.6	23420000	
0.6	4468000000	
2	2140000	
2	87.697	
2	24110	
2	6563	
2	14.35	
2	373507	
2	432.7	
2	7370	
2	0.44611	
2	28.499	
2	18.1	
1	Infinity	
0	Infinity	
1	Infinity	

5	Infinity
5	Infinity
0	Infinity
2	Infinity
1	Infinity
5	Infinity
0	Infinity
0	Infinity
0	Infinity
0.1	Infinity
5	Infinity
0	Infinity
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1	Infinity
5	Infinity
5	Infinity
2	Infinity
0	Infinity
5	Infinity
0	Infinity
0	Infinity
1	Infinity
5	Infinity
0.6	Infinity
5	Infinity
5	Infinity
5	Infinity

case02.stp

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CAS Number	Analyte Name	Concentration	Peak Year	Kd	Kd Bin
		pCi/L (Rad) or mg/L (Non-rad)			
3H	Tritium	0		0	0
14C	Carbon-14	3.67E-02	9781	0	0
59Ni	Nickel-59	0		48	5
63Ni	Nickel-63	0		48	5
60Co	Cobalt-60	0		0.1	0.1
79Se	Selenium-79	0		3.1	2
90Sr	Strontium-90 + D	0		16.1	5
93mNb	Niobium-93m	0		100	5
93Zr	Zirconium-93	0		600	5
99Tc	Technetium-99	1.06E+01	10461	0	0
106Ru	Ruthenium-106	0		1	1
113mCd	Cadmium-113m	0		1	1
126Sn	Tin-126	0		1	1
125Sb	Antimony-125	0		1	1
129I	Iodine-129	7.59E-09	12032	0.2	0.2
134Cs	Cesium-134	0		25	5
137Cs	Cesium-137 + Daughters	0		25	5
151Sm	Samarium-151	0		1	1
152Eu	Europium-152	0		1	1
154Eu	Europium-154	0		1	1
155Eu	Europium-155	0		1	1
226Ra	Radium-226 + D	0		1	1
228Ra	Radium-228 + D	0		1	1
227Ac	Actinium-227 + D	0		67	5
229Th	Thorium-229 + D	0		3	2
232Th	Thorium-232	0		3	2
231Pa	Protactinium-231	0		550	5
232U	Uranium-232	0		0.6	0.6
233U	Uranium-233	0		0.6	0.6
234U	Uranium-234	0		0.6	0.6
235U	Uranium-235 + D	0		0.6	0.6
236U	Uranium-236	0		0.6	0.6
238U	Uranium-238 + D	0		0.6	0.6
237Np	Neptunium-237 + D	0		2	2
238Pu	Plutonium-238	0		3	2
239Pu	Plutonium-239	0		3	2
240Pu	Plutonium-240	0		3	2
241Pu	Plutonium-241 + D	0		3	2
242Pu	Plutonium-242	0		3	2
241Am	Americium-241	0		3	2
243Am	Americium-243 + D	0		3	2
242Cm	Curium-242	0		3	2
243Cm	Curium-243	0		3	2
244Cm	Curium-244	0		3	2
7429-90-5	Aluminum	0		1	1
7440-36-0	Antimony	0		1	1
7440-38-2	Arsenic	0		39	5

7440-39-3	Barium	0		60	5
7440-41-7	Beryllium	0		70	5
7440-69-9	Bismuth	8.35E-03	10481		0
7440-42-8	Boron	0		3	2
7440-43-9	Cadmium	0		1.26	1
7440-70-2	Calcium	0		4	5
7440-45-1	Cerium	1.96E-05	10481		0
16887-00-6	Chloride	8.42E-05	10481		0
18540-29-9	Chromium	1.27E-03	10481	0	0
7440-48-4	Cobalt	7.69E-09	12032	0.1	0.1
7440-50-8	Copper	0		35	5
57-12-5	Cyanide	0		9.9	5
16984-48-8	Fluoride	5.51E-03	10481		0
OHDEMAND	Hydroxide OH	6.67E-02	10481		0
7439-89-6	Iron	0		25	5
7439-91-0	Lanthanum	1.24E-05	10481		0
7439-92-1	Lead	0		5.2	5
7439-93-2	Lithium	0		300	5
7439-95-4	Magnesium	0		4.5	5
7439-96-5	Manganese	0		1	1
7439-97-6	Mercury	0		5.2	5
7439-98-7	Molybdenum	0		4	5
7440-00-8	Neodymium	3.46E-06	10481		0
7440-02-0	Nickel	0		48	5
14797-55-8	Nitrate	1.18E-02	10481	0	0
14797-65-0	Nitrite	2.49E-03	10481	0	0
338-70-5	Oxalate	1.86E-03	10481		0
14265-44-2	Phosphate	1.73E-02	10481		0
7440-16-6	Rhodium	3.12E-06	10481		0
7440-18-8	Ruthenium	0		1	1
7782-49-2	Selenium	0		5	5
7440-21-3	Silicon	0		30	5
7440-22-4	Silver	0		2.7	2
7440-23-5	Sodium	2.11E-02	10481		0
7440-24-6	Strontium	0		16.1	5
14808-79-8	Sulfate	5.30E-03	10481		0
13494-80-9	Tellurium	3.34E-06	10481		0
7440-28-0	Thallium	0		71	5
7440-29-1	Thorium	0		1	1
7440-32-6	Titanium	0		1000	5
7440-33-7	Tungsten	2.50E-06	10481		0
7440-61-1	Uranium	0		0.6	0.6
7440-62-2	Vanadium	0		50	5
7440-65-5	Yttrium	4.18E-07	10481		0
7440-66-6	Zinc	0		62	5
7440-67-7	Zirconium	0		500	5

Half-Life

Years

12.33
5730
74999
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5.2713
805000
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16.13
1530000
211097
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703700000
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Report Generated on: 5/31/2005, 11:08:14 AM
Report Generated by devans (Doug Evans)
Decision Management Tool Version 4.0.0.37

241-B-102	TanksB-BX-BYFarm_Jan01_HTWOS.txt
241-B-105	TanksB-BX-BYFarm_Jan01_HTWOS.txt
241-B-108	TanksB-BX-BYFarm_Jan01_HTWOS.txt
241-B-111	TanksB-BX-BYFarm_Jan01_HTWOS.txt
241-BX-101	TanksB-BX-BYFarm_Jan01_HTWOS.txt
241-BX-104	TanksB-BX-BYFarm_Jan01_HTWOS.txt
241-BX-107	TanksB-BX-BYFarm_Jan01_HTWOS.txt
241-BX-110	TanksB-BX-BYFarm_Jan01_HTWOS.txt
244-BX-DCR	TanksB-BX-BYFarm_MUST.txt

Major Assumptions Used:

Dilution factor for WMA-B-BX-BY: 40
Compliance Monitoring Start Year :2001

Verified by John Middleton 6/15/05

Infinity
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CAS Number	Analyte Name	Concentration	Peak Year	Kd	Kd Bin
		pCi/L (Rad) or mg/L (Non-rad)			
3H	Tritium	0		0	0
14C	Carbon-14	3.62E-02	9781	0	0
59Ni	Nickel-59	0		48	5
63Ni	Nickel-63	0		48	5
60Co	Cobalt-60	0		0.1	0.1
79Se	Selenium-79	0		3.1	2
90Sr	Strontium-90 + D	0		16.1	5
93mNb	Niobium-93m	0		100	5
93Zr	Zirconium-93	0		600	5
99Tc	Technetium-99	1.06E+01	10461	0	0
106Ru	Ruthenium-106	0		1	1
113mCd	Cadmium-113m	0		1	1
126Sn	Tin-126	0		1	1
125Sb	Antimony-125	0		1	1
129I	Iodine-129	7.31E-09	12032	0.2	0.2
134Cs	Cesium-134	0		25	5
137Cs	Cesium-137 + Daughters	0		25	5
151Sm	Samarium-151	0		1	1
152Eu	Europium-152	0		1	1
154Eu	Europium-154	0		1	1
155Eu	Europium-155	0		1	1
226Ra	Radium-226 + D	0		1	1
228Ra	Radium-228 + D	0		1	1
227Ac	Actinium-227 + D	0		67	5
229Th	Thorium-229 + D	0		3	2
232Th	Thorium-232	0		3	2
231Pa	Protactinium-231	0		550	5
232U	Uranium-232	0		0.6	0.6
233U	Uranium-233	0		0.6	0.6
234U	Uranium-234	0		0.6	0.6
235U	Uranium-235 + D	0		0.6	0.6
236U	Uranium-236	0		0.6	0.6
238U	Uranium-238 + D	0		0.6	0.6
237Np	Neptunium-237 + D	0		2	2
238Pu	Plutonium-238	0		3	2
239Pu	Plutonium-239	0		3	2
240Pu	Plutonium-240	0		3	2
241Pu	Plutonium-241 + D	0		3	2
242Pu	Plutonium-242	0		3	2
241Am	Americium-241	0		3	2
243Am	Americium-243 + D	0		3	2
242Cm	Curium-242	0		3	2
243Cm	Curium-243	0		3	2
244Cm	Curium-244	0		3	2
7429-90-5	Aluminum	0		1	1
7440-36-0	Antimony	0		1	1
7440-38-2	Arsenic	0		39	5

7440-39-3	Barium	0		60	5
7440-41-7	Beryllium	0		70	5
7440-69-9	Bismuth	8.32E-03	10481		0
7440-42-8	Boron	0		3	2
7440-43-9	Cadmium	0		1.26	1
7440-70-2	Calcium	0		4	5
7440-45-1	Cerium	1.95E-05	10481		0
16887-00-6	Chloride	8.39E-05	10481		0
18540-29-9	Chromium	1.26E-03	10481	0	0
7440-48-4	Cobalt	7.17E-09	12032	0.1	0.1
7440-50-8	Copper	0		35	5
57-12-5	Cyanide	0		9.9	5
16984-48-8	Fluoride	5.50E-03	10481		0
OHDEMAND	Hydroxide OH	6.63E-02	10481		0
7439-89-6	Iron	0		25	5
7439-91-0	Lanthanum	1.22E-05	10481		0
7439-92-1	Lead	0		5.2	5
7439-93-2	Lithium	0		300	5
7439-95-4	Magnesium	0		4.5	5
7439-96-5	Manganese	0		1	1
7439-97-6	Mercury	0		5.2	5
7439-98-7	Molybdenum	0		4	5
7440-00-8	Neodymium	3.42E-06	10481		0
7440-02-0	Nickel	0		48	5
14797-55-8	Nitrate	1.17E-02	10481	0	0
14797-65-0	Nitrite	2.48E-03	10481	0	0
338-70-5	Oxalate	1.85E-03	10481		0
14265-44-2	Phosphate	1.72E-02	10481		0
7440-16-6	Rhodium	3.12E-06	10481		0
7440-18-8	Ruthenium	0		1	1
7782-49-2	Selenium	0		5	5
7440-21-3	Silicon	0		30	5
7440-22-4	Silver	0		2.7	2
7440-23-5	Sodium	2.09E-02	10481		0
7440-24-6	Strontium	0		16.1	5
14808-79-8	Sulfate	5.29E-03	10481		0
13494-80-9	Tellurium	3.34E-06	10481		0
7440-28-0	Thallium	0		71	5
7440-29-1	Thorium	0		1	1
7440-32-6	Titanium	0		1000	5
7440-33-7	Tungsten	2.50E-06	10481		0
7440-61-1	Uranium	0		0.6	0.6
7440-62-2	Vanadium	0		50	5
7440-65-5	Yttrium	4.03E-07	10481		0
7440-66-6	Zinc	0		62	5
7440-67-7	Zirconium	0		500	5

total non-zero = 22

Half-Life

Years

12.33
5730
74999
100.1
5.2713
805000
28.149
16.13
1530000
211097
1.01736
14.1
246000
2.7299
15700000
2.0619
29.999
89.997
13.33
8.5919
4.68
1600
5.7498
21.769
7340
14050000000
32759
69.799
159198
245694
703700000
23420000
4468000000
2140000
87.697
24110
6563
14.35
373507
432.7
7370
0.44611
28.499
18.1
Infinity
Infinity
Infinity

Report Generated on: 5/26/2005, 2:54:29 PM
Report Generated by H0098416 (David J. Watson)
Decision Management Tool Version 4.0.0.37

241-B-102	TanksB-BX-BYFarm_Jan01_HTWOS.txt
241-B-105	TanksB-BX-BYFarm_Jan01_HTWOS.txt
241-B-108	TanksB-BX-BYFarm_Jan01_HTWOS.txt
241-B-111	TanksB-BX-BYFarm_Jan01_HTWOS.txt
241-BX-101	TanksB-BX-BYFarm_Jan01_HTWOS.txt
241-BX-104	TanksB-BX-BYFarm_Jan01_HTWOS.txt
241-BX-107	TanksB-BX-BYFarm_Jan01_HTWOS.txt
241-BX-110	TanksB-BX-BYFarm_Jan01_HTWOS.txt

Major Assumptions Used:

Dilution factor for WMA-B-BX-BY: 40

Compliance Monitoring Start Year :2001

Verified by John Middleton 6/15/05

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CAS Number	Analyte Name	Concentration	Peak Year	Kd
		pCi/L (Rad) or mg/L (Non-rad)		
3H	Tritium	0		0
14C	Carbon-14	1.12E-01	9781	0
59Ni	Nickel-59	0		48
63Ni	Nickel-63	0		48
60Co	Cobalt-60	0		0.1
79Se	Selenium-79	0		3.1
90Sr	Strontium-90 + D	0		16.1
93mNb	Niobium-93m	0		100
93Zr	Zirconium-93	0		600
99Tc	Technetium-99	1.37E+01	10461	0
106Ru	Ruthenium-106	0		1
113mCd	Cadmium-113m	0		1
126Sn	Tin-126	0		1
125Sb	Antimony-125	0		1
129I	Iodine-129	6.43E-08	12032	0.2
134Cs	Cesium-134	0		25
137Cs	Cesium-137 + Daughters	0		25
151Sm	Samarium-151	0		1
152Eu	Europium-152	0		1
154Eu	Europium-154	0		1
155Eu	Europium-155	0		1
226Ra	Radium-226 + D	0		1
228Ra	Radium-228 + D	0		1
227Ac	Actinium-227 + D	0		67
229Th	Thorium-229 + D	0		3
232Th	Thorium-232	0		3
231Pa	Protactinium-231	0		550
232U	Uranium-232	0		0.6
233U	Uranium-233	0		0.6
234U	Uranium-234	0		0.6
235U	Uranium-235 + D	0		0.6
236U	Uranium-236	0		0.6
238U	Uranium-238 + D	0		0.6
237Np	Neptunium-237 + D	0		2
238Pu	Plutonium-238	0		3
239Pu	Plutonium-239	0		3
240Pu	Plutonium-240	0		3
241Pu	Plutonium-241 + D	0		3
242Pu	Plutonium-242	0		3
241Am	Americium-241	0		3
243Am	Americium-243 + D	0		3
242Cm	Curium-242	0		3
243Cm	Curium-243	0		3
244Cm	Curium-244	0		3
7429-90-5	Aluminum	0		1
7664-41-7	Ammonia -- (a)	1.93E-07	10481	0.00093
7440-36-0	Antimony	0		1

7440-38-2	Arsenic	0		39
7440-39-3	Barium	0		60
7440-41-7	Beryllium	0		70
7440-69-9	Bismuth	6.06E-03	10481	
7440-42-8	Boron	0		3
7440-43-9	Cadmium	0		1.26
7440-70-2	Calcium	0		4
7440-45-1	Cerium	1.73E-05	10481	
16887-00-6	Chloride	6.59E-05	10481	
18540-29-9	Chromium	9.11E-04	10481	0
7440-48-4	Cobalt	1.78E-08	12032	0.1
7440-50-8	Copper	0		35
57-12-5	Cyanide	0		9.9
16984-48-8	Fluoride	3.73E-03	10481	
OHDEMAND	Hydroxide OH	5.39E-02	10481	
7439-89-6	Iron	0		25
7439-91-0	Lanthanum	1.45E-05	10481	
7439-92-1	Lead	0		5.2
7439-93-2	Lithium	0		300
7439-95-4	Magnesium	0		4.5
7439-96-5	Manganese	0		1
7439-97-6	Mercury	0		5.2
7439-98-7	Molybdenum	0		4
7440-00-8	Neodymium	1.32E-05	10481	
7440-02-0	Nickel	0		48
14797-55-8	Nitrate	1.54E-02	10481	0
14797-65-0	Nitrite	1.15E-03	10481	0
338-70-5	Oxalate	1.30E-03	10481	
14265-44-2	Phosphate	2.59E-02	10481	
7440-16-6	Rhodium	2.04E-08	10481	
7440-18-8	Ruthenium	0		1
7782-49-2	Selenium	0		5
7440-21-3	Silicon	0		30
7440-22-4	Silver	0		2.7
7440-23-5	Sodium	2.75E-02	10481	
7440-24-6	Strontium	0		16.1
14808-79-8	Sulfate	3.48E-03	10481	
13494-80-9	Tellurium	2.44E-08	10481	
7440-28-0	Thallium	0		71
7440-29-1	Thorium	0		1
7440-32-6	Titanium	0		1000
7440-33-7	Tungsten	1.16E-08	10481	
7440-61-1	Uranium	0		0.6
7440-62-2	Vanadium	0		50
7440-65-5	Yttrium	1.89E-09	10481	
7440-66-6	Zinc	0		62
7440-67-7	Zirconium	0		500

Kd Bin	Half-Life	
	Years	**Report Generated on: 5/31/2005, 11:13:56 AM**
		Report Generated by devans (Doug Evans)
0	12.33	**Decision Management Tool Version 4.0.0.37**
0	5730	241-B-103 TanksB-BX-BYFarm_Jan01_HTWOS.txt
5	74999	
5	100.1	241-B-106 TanksB-BX-BYFarm_Jan01_HTWOS.txt
0.1	5.2713	
2	805000	241-B-109 TanksB-BX-BYFarm_Jan01_HTWOS.txt
5	28.149	
5	16.13	241-B-112 TanksB-BX-BYFarm_Jan01_HTWOS.txt
5	1530000	
0	211097	241-BX-102 TanksB-BX-BYFarm_Jan01_HTWOS.txt
1	1.01736	
1	14.1	241-BX-105 TanksB-BX-BYFarm_Jan01_HTWOS.txt
1	246000	
1	2.7299	241-BX-108 TanksB-BX-BYFarm_Jan01_HTWOS.txt
0.2	15700000	
5	2.0619	241-BX-111 TanksB-BX-BYFarm_Jan01_HTWOS.txt
5	29.999	
1	89.997	241-B-301 TanksB-BX-BYFarm_MUST.txt
1	13.33	
1	8.5919	
1	4.68	**Major Assumptions Used:**
1	1600	Dilution factor for WMA-B-BX-BY: 40
1	5.7498	Compliance Monitoring Start Year :2001
5	21.769	
2	7340	
2	14050000000	
5	32759	Verified by John Middleton 6/15/05
0.6	69.799	
0.6	159198	
0.6	245694	
0.6	703700000	
0.6	23420000	
0.6	4468000000	
2	2140000	
2	87.697	
2	24110	
2	6563	
2	14.35	
2	373507	
2	432.7	
2	7370	
2	0.44611	
2	28.499	
2	18.1	
1	Infinity	
0	Infinity	
1	Infinity	

5 Infinity
5 Infinity
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CAS Number	Analyte Name	Concentration pCi/L (Rad) or mg/L (Non-rad)	Peak Year	Kd	Kd Bin
3H	Tritium	0		0	0
14C	Carbon-14	1.12E-01	9781	0	0
59Ni	Nickel-59	0		48	5
63Ni	Nickel-63	0		48	5
60Co	Cobalt-60	0		0.1	0.1
79Se	Selenium-79	0		3.1	2
90Sr	Strontium-90 + D	0		16.1	5
93mNb	Niobium-93m	0		100	5
93Zr	Zirconium-93	0		600	5
99Tc	Technetium-99	1.36E+01	10461	0	0
106Ru	Ruthenium-106	0		1	1
113mCd	Cadmium-113m	0		1	1
126Sn	Tin-126	0		1	1
125Sb	Antimony-125	0		1	1
129I	Iodine-129	6.42E-08	12032	0.2	0.2
134Cs	Cesium-134	0		25	5
137Cs	Cesium-137 + Daughters	0		25	5
151Sm	Samarium-151	0		1	1
152Eu	Europium-152	0		1	1
154Eu	Europium-154	0		1	1
155Eu	Europium-155	0		1	1
226Ra	Radium-226 + D	0		1	1
228Ra	Radium-228 + D	0		1	1
227Ac	Actinium-227 + D	0		67	5
229Th	Thorium-229 + D	0		3	2
232Th	Thorium-232	0		3	2
231Pa	Protactinium-231	0		550	5
232U	Uranium-232	0		0.6	0.6
233U	Uranium-233	0		0.6	0.6
234U	Uranium-234	0		0.6	0.6
235U	Uranium-235 + D	0		0.6	0.6
236U	Uranium-236	0		0.6	0.6
238U	Uranium-238 + D	0		0.6	0.6
237Np	Neptunium-237 + D	0		2	2
238Pu	Plutonium-238	0		3	2
239Pu	Plutonium-239	0		3	2
240Pu	Plutonium-240	0		3	2
241Pu	Plutonium-241 + D	0		3	2
242Pu	Plutonium-242	0		3	2
241Am	Americium-241	0		3	2
243Am	Americium-243 + D	0		3	2
242Cm	Curium-242	0		3	2
243Cm	Curium-243	0		3	2
244Cm	Curium-244	0		3	2
7429-90-5	Aluminum	0		1	1
7440-36-0	Antimony	0		1	1
7440-38-2	Arsenic	0		39	5

7440-39-3	Barium	0		60	5
7440-41-7	Beryllium	0		70	5
7440-69-9	Bismuth	5.98E-03	10481		0
7440-42-8	Boron	0		3	2
7440-43-9	Cadmium	0		1.26	1
7440-70-2	Calcium	0		4	5
7440-45-1	Cerium	1.72E-05	10481		0
16887-00-6	Chloride	6.49E-05	10481		0
18540-29-9	Chromium	9.06E-04	10481	0	0
7440-48-4	Cobalt	1.74E-08	12032	0.1	0.1
7440-50-8	Copper	0		35	5
16984-48-8	Fluoride	3.68E-03	10481		0
OHDEMAND	Hydroxide OH	5.35E-02	10481		0
7439-89-6	Iron	0		25	5
7439-91-0	Lanthanum	1.35E-05	10481		0
7439-92-1	Lead	0		5.2	5
7439-93-2	Lithium	0		300	5
7439-95-4	Magnesium	0		4.5	5
7439-96-5	Manganese	0		1	1
7439-97-6	Mercury	0		5.2	5
7439-98-7	Molybdenum	0		4	5
7440-00-8	Neodymium	1.31E-05	10481		0
7440-02-0	Nickel	0		48	5
14797-55-8	Nitrate	1.52E-02	10481	0	0
14797-65-0	Nitrite	1.14E-03	10481	0	0
338-70-5	Oxalate	1.29E-03	10481		0
14265-44-2	Phosphate	2.57E-02	10481		0
7782-49-2	Selenium	0		5	5
7440-21-3	Silicon	0		30	5
7440-22-4	Silver	0		2.7	2
7440-23-5	Sodium	2.74E-02	10481		0
7440-24-6	Strontium	0		16.1	5
14808-79-8	Sulfate	3.42E-03	10481		0
7440-29-1	Thorium	0		1	1
7440-32-6	Titanium	0		1000	5
7440-61-1	Uranium	0		0.6	0.6
7440-62-2	Vanadium	0		50	5
7440-66-6	Zinc	0		62	5
7440-67-7	Zirconium	0		500	5

total non-zero = 18

Half-Life

Years

12.33
5730
74999
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5.2713
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16.13
1530000
211097
1.01736
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246000
2.7299
15700000
2.0619
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Report Generated on: 5/26/2005, 2:55:03 PM
Report Generated by H0098416 (David J. Watson)
Decision Management Tool Version 4.0.0.37

241-B-103	TanksB-BX-BYFarm_Jan01_HTWOS.txt
241-B-106	TanksB-BX-BYFarm_Jan01_HTWOS.txt
241-B-109	TanksB-BX-BYFarm_Jan01_HTWOS.txt
241-B-112	TanksB-BX-BYFarm_Jan01_HTWOS.txt
241-BX-102	TanksB-BX-BYFarm_Jan01_HTWOS.txt
241-BX-105	TanksB-BX-BYFarm_Jan01_HTWOS.txt
241-BX-108	TanksB-BX-BYFarm_Jan01_HTWOS.txt
241-BX-111	TanksB-BX-BYFarm_Jan01_HTWOS.txt

Major Assumptions Used:

Dilution factor for WMA-B-BX-BY: 40

Compliance Monitoring Start Year :2001

Verified by John Middleton 6/15/05

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CAS Number	Analyte Name	Concentration	Peak Year	Kd	Kd Bin
		pCi/L (Rad) or mg/L (Non-rad)			
3H	Tritium	0		0	0
14C	Carbon-14	2.59E-03	9781	0	0
59Ni	Nickel-59	0		48	5
63Ni	Nickel-63	0		48	5
60Co	Cobalt-60	0		0.1	0.1
79Se	Selenium-79	0		3.1	2
90Sr	Strontium-90 + D	0		16.1	5
93mNb	Niobium-93m	0		100	5
93Zr	Zirconium-93	0		600	5
99Tc	Technetium-99	9.51E-01	10461	0	0
106Ru	Ruthenium-106	0		1	1
113mCd	Cadmium-113m	0		1	1
126Sn	Tin-126	0		1	1
125Sb	Antimony-125	0		1	1
129I	Iodine-129	2.57E-09	12032	0.2	0.2
134Cs	Cesium-134	0		25	5
137Cs	Cesium-137 + Daughters	0		25	5
151Sm	Samarium-151	0		1	1
152Eu	Europium-152	0		1	1
154Eu	Europium-154	0		1	1
155Eu	Europium-155	0		1	1
226Ra	Radium-226 + D	0		1	1
228Ra	Radium-228 + D	0		1	1
227Ac	Actinium-227 + D	0		67	5
229Th	Thorium-229 + D	0		3	2
232Th	Thorium-232	0		3	2
231Pa	Protactinium-231	0		550	5
232U	Uranium-232	0		0.6	0.6
233U	Uranium-233	0		0.6	0.6
234U	Uranium-234	0		0.6	0.6
235U	Uranium-235 + D	0		0.6	0.6
236U	Uranium-236	0		0.6	0.6
238U	Uranium-238 + D	0		0.6	0.6
237Np	Neptunium-237 + D	0		2	2
238Pu	Plutonium-238	0		3	2
239Pu	Plutonium-239	0		3	2
240Pu	Plutonium-240	0		3	2
241Pu	Plutonium-241 + D	0		3	2
242Pu	Plutonium-242	0		3	2
241Am	Americium-241	0		3	2
243Am	Americium-243 + D	0		3	2
242Cm	Curium-242	0		3	2
243Cm	Curium-243	0		3	2
244Cm	Curium-244	0		3	2
7429-90-5	Aluminum	0		1	1
7440-36-0	Antimony	0		1	1
7440-38-2	Arsenic	0		39	5

7440-39-3	Barium	0		60	5
7440-41-7	Beryllium	0		70	5
7440-69-9	Bismuth	2.89E-03	10481		0
7440-42-8	Boron	0		3	2
7440-43-9	Cadmium	0		1.26	1
7440-70-2	Calcium	0		4	5
7440-45-1	Cerium	1.17E-05	10481		0
16887-00-6	Chloride	4.09E-05	10481		0
18540-29-9	Chromium	4.32E-04	10481	0	0
7440-48-4	Cobalt	1.32E-07	12032	0.1	0.1
7440-50-8	Copper	0		35	5
57-12-5	Cyanide	0		9.9	5
16984-48-8	Fluoride	1.38E-03	10481		0
OHDEMAND	Hydroxide OH	2.48E-02	10481		0
7439-89-6	Iron	0		25	5
7439-91-0	Lanthanum	2.16E-04	10481		0
7439-92-1	Lead	0		5.2	5
7439-93-2	Lithium	0		300	5
7439-95-4	Magnesium	0		4.5	5
7439-96-5	Manganese	0		1	1
7439-97-6	Mercury	0		5.2	5
7439-98-7	Molybdenum	0		4	5
7440-00-8	Neodymium	1.23E-05	10481		0
7440-02-0	Nickel	0		48	5
14797-55-8	Nitrate	6.62E-03	10481	0	0
14797-65-0	Nitrite	1.40E-03	10481	0	0
338-70-5	Oxalate	4.75E-04	10481		0
14265-44-2	Phosphate	1.65E-02	10481		0
7782-49-2	Selenium	0		5	5
7440-21-3	Silicon	0		30	5
7440-22-4	Silver	0		2.7	2
7440-23-5	Sodium	7.70E-03	10481		0
7440-24-6	Strontium	0		16.1	5
14808-79-8	Sulfate	1.24E-03	10481		0
7440-28-0	Thallium	0		71	5
7440-29-1	Thorium	0		1	1
7440-32-6	Titanium	0		1000	5
7440-33-7	Tungsten	8.19E-08	10481		0
7440-61-1	Uranium	0		0.6	0.6
7440-62-2	Vanadium	0		50	5
7440-65-5	Yttrium	3.82E-06	10481		0
7440-66-6	Zinc	0		62	5
7440-67-7	Zirconium	0		500	5

total non-zero = 20

Half-Life

Years

12.33
5730
74999
100.1
5.2713
805000
28.149
16.13
1530000
211097
1.01736
14.1
246000
2.7299
15700000
2.0619
29.999
89.997
13.33
8.5919
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5.7498
21.769
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14050000000
32759
69.799
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703700000
23420000
4468000000
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87.697
24110
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373507
432.7
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0.44611
28.499
18.1
Infinity
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Report Generated on: 5/26/2005, 2:55:43 PM
Report Generated by H0098416 (David J. Watson)
Decision Management Tool Version 4.0.0.37

241-B-201	TanksB-BX-BYFarm_Jan01_HTWOS.txt
241-B-202	TanksB-BX-BYFarm_Jan01_HTWOS.txt
241-B-203	TanksB-BX-BYFarm_Jan01_HTWOS.txt
241-B-204	TanksB-BX-BYFarm_Jan01_HTWOS.txt
241-BX-103	TanksB-BX-BYFarm_Jan01_HTWOS.txt
241-BX-106	TanksB-BX-BYFarm_Jan01_HTWOS.txt
241-BX-109	TanksB-BX-BYFarm_Jan01_HTWOS.txt
241-BX-112	TanksB-BX-BYFarm_Jan01_HTWOS.txt

Major Assumptions Used:

Dilution factor for WMA-B-BX-BY: 40

Compliance Monitoring Start Year :2001

Verified by John Middleton 6/15/05

Infinity
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CAS Number	Analyte Name	Concentration pCi/L (Rad) or mg/L (Non-rad)	Peak Year	Kd	Kd Bin
3H	Tritium	0		0	0
14C	Carbon-14	3.87E-01	9781	0	0
59Ni	Nickel-59	0		48	5
63Ni	Nickel-63	0		48	5
60Co	Cobalt-60	0		0.1	0.1
79Se	Selenium-79	0		3.1	2
90Sr	Strontium-90 + D	0		16.1	5
93mNb	Niobium-93m	0		100	5
93Zr	Zirconium-93	0		600	5
99Tc	Technetium-99	4.91E+01	10461	0	0
106Ru	Ruthenium-106	0		1	1
113mCd	Cadmium-113m	0		1	1
126Sn	Tin-126	0		1	1
125Sb	Antimony-125	0		1	1
129I	Iodine-129	2.26E-07	12032	0.2	0.2
134Cs	Cesium-134	0		25	5
137Cs	Cesium-137 + Daughters	0		25	5
151Sm	Samarium-151	0		1	1
152Eu	Europium-152	0		1	1
154Eu	Europium-154	0		1	1
155Eu	Europium-155	0		1	1
226Ra	Radium-226 + D	0		1	1
228Ra	Radium-228 + D	0		1	1
227Ac	Actinium-227 + D	0		67	5
229Th	Thorium-229 + D	0		3	2
232Th	Thorium-232	0		3	2
231Pa	Protactinium-231	0		550	5
232U	Uranium-232	0		0.6	0.6
233U	Uranium-233	0		0.6	0.6
234U	Uranium-234	0		0.6	0.6
235U	Uranium-235 + D	0		0.6	0.6
236U	Uranium-236	0		0.6	0.6
238U	Uranium-238 + D	0		0.6	0.6
237Np	Neptunium-237 + D	0		2	2
238Pu	Plutonium-238	0		3	2
239Pu	Plutonium-239	0		3	2
240Pu	Plutonium-240	0		3	2
241Pu	Plutonium-241 + D	0		3	2
242Pu	Plutonium-242	0		3	2
241Am	Americium-241	0		3	2
243Am	Americium-243 + D	0		3	2
242Cm	Curium-242	0		3	2
243Cm	Curium-243	0		3	2
244Cm	Curium-244	0		3	2
7429-90-5	Aluminum	0		1	1
7440-36-0	Antimony	0		1	1
7440-38-2	Arsenic	0		39	5

7440-39-3	Barium	0		60	5
7440-41-7	Beryllium	0		70	5
7440-69-9	Bismuth	2.14E-04	10481		0
7440-42-8	Boron	0		3	2
7440-43-9	Cadmium	0		1.26	1
7440-70-2	Calcium	0		4	5
16887-00-6	Chloride	8.10E-05	10481		0
18540-29-9	Chromium	1.30E-03	10481	0	0
7440-48-4	Cobalt	6.89E-08	12032	0.1	0.1
7440-50-8	Copper	0		35	5
57-12-5	Cyanide	0		9.9	5
16984-48-8	Fluoride	1.47E-03	10481		0
OHDEMAND	Hydroxide OH	2.42E-02	10481		0
7439-89-6	Iron	0		25	5
7439-91-0	Lanthanum	1.64E-05	10481		0
7439-92-1	Lead	0		5.2	5
7439-93-2	Lithium	0		300	5
7439-95-4	Magnesium	0		4.5	5
7439-96-5	Manganese	0		1	1
7439-97-6	Mercury	0		5.2	5
7439-98-7	Molybdenum	0		4	5
7440-02-0	Nickel	0		48	5
14797-55-8	Nitrate	1.31E-02	10481	0	0
14797-65-0	Nitrite	1.59E-03	10481	0	0
338-70-5	Oxalate	9.29E-03	10481		0
14265-44-2	Phosphate	7.47E-03	10481		0
7440-21-3	Silicon	0		30	5
7440-22-4	Silver	0		2.7	2
7440-23-5	Sodium	2.43E-02	10481		0
7440-24-6	Strontium	0		16.1	5
14808-79-8	Sulfate	1.32E-03	10481		0
7440-29-1	Thorium	0		1	1
7440-32-6	Titanium	0		1000	5
7440-61-1	Uranium	0		0.6	0.6
7440-62-2	Vanadium	0		50	5
7440-66-6	Zinc	0		62	5
7440-67-7	Zirconium	0		500	5

total non-zero = 16

Half-Life

Years	
	Report Generated on: 5/26/2005, 2:56:10 PM
	Report Generated by H0098416 (David J. Watson)
12.33	**Decision Management Tool Version 4.0.0.37**
5730	241-BY-101 TanksB-BX-BYFarm_Jan01_HTWOS.txt
74999	
100.1	241-BY-104 TanksB-BX-BYFarm_Jan01_HTWOS.txt
5.2713	
805000	241-BY-107 TanksB-BX-BYFarm_Jan01_HTWOS.txt
28.149	
16.13	241-BY-110 TanksB-BX-BYFarm_Jan01_HTWOS.txt
1530000	
211097	
1.01736	**Major Assumptions Used:**
14.1	Dilution factor for WMA-B-BX-BY: 40
246000	Compliance Monitoring Start Year :2001
2.7299	
15700000	
2.0619	
29.999	Verified by John Middleton 6/15/05
89.997	
13.33	
8.5919	
4.68	
1600	
5.7498	
21.769	
7340	
14050000000	
32759	
69.799	
159198	
245694	
703700000	
23420000	
4468000000	
2140000	
87.697	
24110	
6563	
14.35	
373507	
432.7	
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case02.stp

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case02.stp

CAS Number	Analyte Name	Concentration pCi/L (Rad) or mg/L (Non-rad)	Peak Year	Kd	Kd Bin
3H	Tritium	0		0	0
14C	Carbon-14	1.38E-01	9781	0	0
59Ni	Nickel-59	0		48	5
63Ni	Nickel-63	0		48	5
60Co	Cobalt-60	0		0.1	0.1
79Se	Selenium-79	0		3.1	2
90Sr	Strontium-90 + D	0		16.1	5
93mNb	Niobium-93m	0		100	5
93Zr	Zirconium-93	0		600	5
99Tc	Technetium-99	1.57E+01	10461	0	0
106Ru	Ruthenium-106	0		1	1
113mCd	Cadmium-113m	0		1	1
126Sn	Tin-126	0		1	1
125Sb	Antimony-125	0		1	1
129I	Iodine-129	1.27E-07	12032	0.2	0.2
134Cs	Cesium-134	0		25	5
137Cs	Cesium-137 + Daughters	0		25	5
151Sm	Samarium-151	0		1	1
152Eu	Europium-152	0		1	1
154Eu	Europium-154	0		1	1
155Eu	Europium-155	0		1	1
226Ra	Radium-226 + D	0		1	1
228Ra	Radium-228 + D	0		1	1
227Ac	Actinium-227 + D	0		67	5
229Th	Thorium-229 + D	0		3	2
232Th	Thorium-232	0		3	2
231Pa	Protactinium-231	0		550	5
232U	Uranium-232	0		0.6	0.6
233U	Uranium-233	0		0.6	0.6
234U	Uranium-234	0		0.6	0.6
235U	Uranium-235 + D	0		0.6	0.6
236U	Uranium-236	0		0.6	0.6
238U	Uranium-238 + D	0		0.6	0.6
237Np	Neptunium-237 + D	0		2	2
238Pu	Plutonium-238	0		3	2
239Pu	Plutonium-239	0		3	2
240Pu	Plutonium-240	0		3	2
241Pu	Plutonium-241 + D	0		3	2
242Pu	Plutonium-242	0		3	2
241Am	Americium-241	0		3	2
243Am	Americium-243 + D	0		3	2
242Cm	Curium-242	0		3	2
243Cm	Curium-243	0		3	2
244Cm	Curium-244	0		3	2
7429-90-5	Aluminum	0		1	1
7440-36-0	Antimony	0		1	1
7440-38-2	Arsenic	0		39	5

7440-39-3	Barium	0		60	5
7440-41-7	Beryllium	0		70	5
7440-69-9	Bismuth	7.77E-05	10481		0
7440-42-8	Boron	0		3	2
7440-43-9	Cadmium	0		1.26	1
7440-70-2	Calcium	0		4	5
7440-45-1	Cerium	1.45E-05	10481		0
16887-00-6	Chloride	6.09E-05	10481		0
18540-29-9	Chromium	4.17E-04	10481	0	0
7440-48-4	Cobalt	4.38E-08	12032	0.1	0.1
7440-50-8	Copper	0		35	5
57-12-5	Cyanide	0		9.9	5
16984-48-8	Fluoride	1.59E-03	10481		0
OHDEMAND	Hydroxide OH	3.75E-02	10481		0
7439-89-6	Iron	0		25	5
7439-91-0	Lanthanum	2.06E-06	10481		0
7439-92-1	Lead	0		5.2	5
7439-93-2	Lithium	0		300	5
7439-95-4	Magnesium	0		4.5	5
7439-96-5	Manganese	0		1	1
7439-97-6	Mercury	0		5.2	5
7439-98-7	Molybdenum	0		4	5
7440-00-8	Neodymium	1.58E-05	10481		0
7440-02-0	Nickel	0		48	5
14797-55-8	Nitrate	1.13E-02	10481	0	0
14797-65-0	Nitrite	8.80E-04	10481	0	0
338-70-5	Oxalate	6.08E-03	10481		0
14265-44-2	Phosphate	3.91E-03	10481		0
7782-49-2	Selenium	0		5	5
7440-21-3	Silicon	0		30	5
7440-22-4	Silver	0		2.7	2
7440-23-5	Sodium	2.00E-02	10481		0
7440-24-6	Strontium	0		16.1	5
14808-79-8	Sulfate	1.60E-03	10481		0
7440-29-1	Thorium	0		1	1
7440-32-6	Titanium	0		1000	5
7440-61-1	Uranium	0		0.6	0.6
7440-62-2	Vanadium	0		50	5
7440-66-6	Zinc	0		62	5
7440-67-7	Zirconium	0		500	5

total non-zero = 18

Half-Life

Years	
	Report Generated on: 5/26/2005, 2:56:26 PM
	Report Generated by H0098416 (David J. Watson)
12.33	**Decision Management Tool Version 4.0.0.37**
5730	241-BY-102 TanksB-BX-BYFarm_Jan01_HTWOS.txt
74999	
100.1	241-BY-105 TanksB-BX-BYFarm_Jan01_HTWOS.txt
5.2713	
805000	241-BY-108 TanksB-BX-BYFarm_Jan01_HTWOS.txt
28.149	
16.13	241-BY-111 TanksB-BX-BYFarm_Jan01_HTWOS.txt
1530000	
211097	
1.01736	**Major Assumptions Used:**
14.1	Dilution factor for WMA-B-BX-BY: 40
246000	Compliance Monitoring Start Year :2001
2.7299	
15700000	
2.0619	
29.999	Verified by John Middleton 6/15/05
89.997	
13.33	
8.5919	
4.68	
1600	
5.7498	
21.769	
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14050000000	
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69.799	
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245694	
703700000	
23420000	
4468000000	
2140000	
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432.7	
7370	
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28.499	
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CAS Number	Analyte Name	Concentration pCi/L (Rad) or mg/L (Non-rad)	Peak Year	Kd	Kd Bin
3H	Tritium	0		0	0
14C	Carbon-14	2.30E-01	9781	0	0
59Ni	Nickel-59	0		48	5
63Ni	Nickel-63	0		48	5
60Co	Cobalt-60	0		0.1	0.1
79Se	Selenium-79	0		3.1	2
90Sr	Strontium-90 + D	0		16.1	5
93mNb	Niobium-93m	0		100	5
93Zr	Zirconium-93	0		600	5
99Tc	Technetium-99	6.54E+01	10461	0	0
106Ru	Ruthenium-106	0		1	1
113mCd	Cadmium-113m	0		1	1
126Sn	Tin-126	0		1	1
125Sb	Antimony-125	0		1	1
129I	Iodine-129	1.37E-07	12032	0.2	0.2
134Cs	Cesium-134	0		25	5
137Cs	Cesium-137 + Daughters	0		25	5
151Sm	Samarium-151	0		1	1
152Eu	Europium-152	0		1	1
154Eu	Europium-154	0		1	1
155Eu	Europium-155	0		1	1
226Ra	Radium-226 + D	0		1	1
228Ra	Radium-228 + D	0		1	1
227Ac	Actinium-227 + D	0		67	5
229Th	Thorium-229 + D	0		3	2
232Th	Thorium-232	0		3	2
231Pa	Protactinium-231	0		550	5
232U	Uranium-232	0		0.6	0.6
233U	Uranium-233	0		0.6	0.6
234U	Uranium-234	0		0.6	0.6
235U	Uranium-235 + D	0		0.6	0.6
236U	Uranium-236	0		0.6	0.6
238U	Uranium-238 + D	0		0.6	0.6
237Np	Neptunium-237 + D	0		2	2
238Pu	Plutonium-238	0		3	2
239Pu	Plutonium-239	0		3	2
240Pu	Plutonium-240	0		3	2
241Pu	Plutonium-241 + D	0		3	2
242Pu	Plutonium-242	0		3	2
241Am	Americium-241	0		3	2
243Am	Americium-243 + D	0		3	2
242Cm	Curium-242	0		3	2
243Cm	Curium-243	0		3	2
244Cm	Curium-244	0		3	2
7429-90-5	Aluminum	0		1	1
7440-36-0	Antimony	0		1	1
7440-39-3	Barium	0		60	5

7440-41-7	Beryllium	0		70	5
7440-69-9	Bismuth	1.63E-04	10481		0
7440-43-9	Cadmium	0		1.26	1
7440-70-2	Calcium	0		4	5
16887-00-6	Chloride	5.70E-05	10481		0
18540-29-9	Chromium	2.70E-03	10481	0	0
7440-48-4	Cobalt	4.81E-08	12032	0.1	0.1
7440-50-8	Copper	0		35	5
57-12-5	Cyanide	0		9.9	5
16984-48-8	Fluoride	2.89E-03	10481		0
OHDEMAND	Hydroxide OH	2.58E-02	10481		0
7439-89-6	Iron	0		25	5
7439-91-0	Lanthanum	5.02E-06	10481		0
7439-92-1	Lead	0		5.2	5
7439-93-2	Lithium	0		300	5
7439-96-5	Manganese	0		1	1
7439-97-6	Mercury	0		5.2	5
7439-98-7	Molybdenum	0		4	5
7440-02-0	Nickel	0		48	5
14797-55-8	Nitrate	8.96E-03	10481	0	0
14797-65-0	Nitrite	1.11E-03	10481	0	0
338-70-5	Oxalate	1.69E-02	10481		0
14265-44-2	Phosphate	3.53E-03	10481		0
7782-49-2	Selenium	0		5	5
7440-21-3	Silicon	0		30	5
7440-22-4	Silver	0		2.7	2
7440-23-5	Sodium	1.97E-02	10481		0
7440-24-6	Strontium	0		16.1	5
14808-79-8	Sulfate	2.67E-03	10481		0
7440-29-1	Thorium	0		1	1
7440-32-6	Titanium	0		1000	5
7440-61-1	Uranium	0		0.6	0.6
7440-62-2	Vanadium	0		50	5
7440-66-6	Zinc	0		62	5
7440-67-7	Zirconium	0		500	5

total non-zero = 16

Half-Life

Years

12.33
5730
74999
100.1
5.2713
805000
28.149
16.13
1530000
211097
1.01736
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Report Generated on: 5/26/2005, 2:56:43 PM
Report Generated by H0098416 (David J. Watson)
Decision Management Tool Version 4.0.0.37

241-BY-103	TanksB-BX-BYFarm_Jan01_HTWOS.txt
241-BY-106	TanksB-BX-BYFarm_Jan01_HTWOS.txt
241-BY-109	TanksB-BX-BYFarm_Jan01_HTWOS.txt
241-BY-112	TanksB-BX-BYFarm_Jan01_HTWOS.txt

Major Assumptions Used:

Dilution factor for WMA-B-BX-BY: 40
Compliance Monitoring Start Year :2001

Verified by John Middleton 6/15/05

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