Row Name	Sources Included
CR-Vault Row	244-CR-Vault
C-101 Row	C-101 C-104 C-107 C-110
C-102 Row	C-102 C-105 C-108 C-111
C-103 Row	C-103 C-106 C-109 C-112
C-103 Row + MUSTs	C-103 C-106 C-109 C-112 C-301
C-201 Row	C-201 C-202 C-203 C-204

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	5.62E-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	1.11E-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	9.54E-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	1.22E-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	8.98E-15	10481		0
16887-00-6	Chloride	1.24E-05	10481		0
18540-29-9	Chromium	1.72E-05	10481	0	0
7440-48-4	Cobalt	2.03E-17	12032	0.1	0.1
7440-50-8	Copper	0		35	5
16984-48-8	Fluoride	1.44E-05	10481		0
OHDEMAND	Hydroxide OH	1.19E-02	10481		0
7439-89-6	Iron	0		25	5
7439-91-0	Lanthanum	8.63E-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	8.98E-15	10481		0
7440-02-0	Nickel	0		48	5
14797-55-8	Nitrate	1.38E-03	10481	0	0
14797-65-0	Nitrite	1.58E-04	10481	0	0
338-70-5	Oxalate	3.02E-05	10481		0
14265-44-2	Phosphate	9.43E-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	1.73E-03	10481		0
7440-24-6	Strontium	0		16.1	5
14808-79-8	Sulfate	1.62E-04	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: 5/25/2005, 12:30:07 PM
	Report Generated by H0098416 (David J. Watson)
12.33	**Decision Management Tool Version 4.0.0.37**
5730	241-C-101 TanksCFarm_Jan01_HTWOS.txt case02.stp
74999	
100.1	
5.2713	**Major Assumptions Used:**
805000	Dilution factor for WMA-C: 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	
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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	7.27E-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	1.28E-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	8.96E-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	9.40E-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	1.40E-14	10481		0
16887-00-6	Chloride	2.24E-05	10481		0
18540-29-9	Chromium	2.39E-05	10481	0	0
7440-48-4	Cobalt	3.17E-17	12032	0.1	0.1
7440-50-8	Copper	0		35	5
16984-48-8	Fluoride	5.18E-05	10481		0
OHDEMAND	Hydroxide OH	1.17E-02	10481		0
7439-89-6	Iron	0		25	5
7439-91-0	Lanthanum	4.66E-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	1.40E-14	10481		0
7440-02-0	Nickel	0		48	5
14797-55-8	Nitrate	8.15E-04	10481	0	0
14797-65-0	Nitrite	2.37E-04	10481	0	0
338-70-5	Oxalate	2.12E-05	10481		0
14265-44-2	Phosphate	2.91E-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	1.95E-03	10481		0
7440-24-6	Strontium	0		16.1	5
14808-79-8	Sulfate	1.00E-04	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: 5/25/2005, 12:30:27 PM
	Report Generated by H0098416 (David J. Watson)
12.33	**Decision Management Tool Version 4.0.0.37**
5730	241-C-102 TanksCFarm_Jan01_HTWOS.txt case02.stp
74999	
100.1	
5.2713	**Major Assumptions Used:**
805000	Dilution factor for WMA-C: 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	
32759	
69.799	
159198	
245694	
703700000	
23420000	
4468000000	
2140000	
87.697	
24110	
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373507	
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	6.08E-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	2.86E-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	2.62E-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
7440-69-9	Bismuth	3.77E-09	10481		0

7440-43-9	Cadmium	0		1.26	1
7440-70-2	Calcium	0		4	5
16887-00-6	Chloride	8.73E-06	10481		0
18540-29-9	Chromium	2.47E-05	10481	0	0
7440-48-4	Cobalt	0		0.1	0.1
57-12-5	Cyanide	0		9.9	5
16984-48-8	Fluoride	1.48E-05	10481		0
OHDEMAND	Hydroxide OH	1.09E-02	10481		0
7439-89-6	Iron	0		25	5
7439-91-0	Lanthanum	1.59E-14	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-05	10481	0	0
14797-65-0	Nitrite	2.44E-04	10481	0	0
338-70-5	Oxalate	6.48E-05	10481		0
14265-44-2	Phosphate	8.36E-05	10481		0
7440-18-8	Ruthenium	0		1	1
7782-49-2	Selenium	0		5	5
7440-21-3	Silicon	0		30	5
7440-23-5	Sodium	1.01E-03	10481		0
7440-24-6	Strontium	0		16.1	5
14808-79-8	Sulfate	3.87E-05	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: 5/25/2005, 12:30:35 PM
	Report Generated by H0098416 (David J. Watson)
12.33	**Decision Management Tool Version 4.0.0.37**
5730	241-C-103 TanksCFarm_Jan01_HTWOS.txt case02.stp
74999	
100.1	
5.2713	**Major Assumptions Used:**
805000	Dilution factor for WMA-C: 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	1.11E-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	9.39E-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	2.40E-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	2.02E-08	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	2.03E-06	10481		0
16887-00-6	Chloride	1.24E-05	10481		0
18540-29-9	Chromium	4.00E-05	10481	0	0
7440-48-4	Cobalt	1.84E-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	5.37E-04	10481		0
OHDEMAND	Hydroxide OH	9.73E-03	10481		0
7439-89-6	Iron	0		25	5
7439-91-0	Lanthanum	1.39E-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	3.06E-06	10481		0
7440-02-0	Nickel	0		48	5
14797-55-8	Nitrate	3.04E-04	10481	0	0
14797-65-0	Nitrite	5.67E-04	10481	0	0
338-70-5	Oxalate	1.32E-04	10481		0
14265-44-2	Phosphate	7.04E-05	10481		0
7440-10-0	Praseodymium	2.00E-06	10481		0
7440-16-6	Rhodium	4.12E-06	10481		0
7440-17-7	Rubidium	7.62E-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	3.68E-03	10481		0
7440-24-6	Strontium	0		16.1	5
14808-79-8	Sulfate	5.31E-05	10481		0
7440-25-7	Tantalum	5.00E-08	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
7440-65-5	Yttrium	8.05E-07	10481		0
7440-66-6	Zinc	0		62	5
7440-67-7	Zirconium	0		500	5

Half-Life

Years	
	Report Generated on: 5/25/2005, 12:30:43 PM
	Report Generated by H0098416 (David J. Watson)
12.33	**Decision Management Tool Version 4.0.0.37**
5730	241-C-104 TanksCFarm_Jan01_HTWOS.txt case02.stp
74999	
100.1	
5.2713	**Major Assumptions Used:**
805000	Dilution factor for WMA-C: 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

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	5.06E-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	2.22E+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	3.39E-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
7440-39-3	Barium	0		60	5

7440-69-9	Bismuth	1.14E-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	8.21E-06	10481		0
18540-29-9	Chromium	1.05E-05	10481	0	0
7440-48-4	Cobalt	1.66E-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	2.18E-05	10481		0
OHDEMAND	Hydroxide OH	1.22E-02	10481		0
7439-89-6	Iron	0		25	5
7439-91-0	Lanthanum	8.50E-08	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	2.15E-04	10481	0	0
14797-65-0	Nitrite	1.78E-04	10481	0	0
338-70-5	Oxalate	3.98E-05	10481		0
14265-44-2	Phosphate	1.72E-04	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	1.12E-03	10481		0
7440-24-6	Strontium	0		16.1	5
14808-79-8	Sulfate	7.73E-05	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: 5/25/2005, 12:30:51 PM
	Report Generated by H0098416 (David J. Watson)
12.33	**Decision Management Tool Version 4.0.0.37**
5730	241-C-105 TanksCFarm_Jan01_HTWOS.txt case02.stp
74999	
100.1	
5.2713	**Major Assumptions Used:**
805000	Dilution factor for WMA-C: 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

CAS Number	Analyte Name	Concentration pCi/L (Rad) or mg/L (Non-rad)
3H	Tritium	0
14C	Carbon-14	1.27E-02
59Ni	Nickel-59	0
63Ni	Nickel-63	0
60Co	Cobalt-60	0
79Se	Selenium-79	0
90Sr	Strontium-90 + D	0
93mNb	Niobium-93m	0
94Nb	Niobium-94	0
93Zr	Zirconium-93	0
99Tc	Technetium-99	6.59E-01
106Ru	Ruthenium-106	0
113mCd	Cadmium-113m	0
126Sn	Tin-126	0
125Sb	Antimony-125	0
129I	Iodine-129	3.57E-09
134Cs	Cesium-134	0
137Cs	Cesium-137 + Daughters	0
151Sm	Samarium-151	0
152Eu	Europium-152	0
154Eu	Europium-154	0
155Eu	Europium-155	0
226Ra	Radium-226 + D	0
228Ra	Radium-228 + D	0
227Ac	Actinium-227 + D	0
228Th	Thorium-228 + D	0
229Th	Thorium-229 + D	0
230Th	Thorium-230	0
232Th	Thorium-232	0
231Pa	Protactinium-231	0
232U	Uranium-232	0
233U	Uranium-233	0
234U	Uranium-234	0
235U	Uranium-235 + D	0
236U	Uranium-236	0
238U	Uranium-238 + D	0
237Np	Neptunium-237 + D	0
238Pu	Plutonium-238	0
239Pu	Plutonium-239	0
240Pu	Plutonium-240	0
241Pu	Plutonium-241 + D	0
242Pu	Plutonium-242	0
241Am	Americium-241	0
243Am	Americium-243 + D	0
242Cm	Curium-242	0
243Cm	Curium-243	0
244Cm	Curium-244	0

7429-90-5	Aluminum	0
7664-41-7	Ammonia -- (a)	3.75E-06
7440-36-0	Antimony	0
7440-38-2	Arsenic	0
7440-39-3	Barium	0
7440-41-7	Beryllium	0
7440-69-9	Bismuth	1.21E-05
7440-42-8	Boron	0
24959-67-9	Bromide	7.72E-08
7440-43-9	Cadmium	0
7440-70-2	Calcium	0
7440-45-1	Cerium	2.34E-05
16887-00-6	Chloride	2.52E-05
18540-29-9	Chromium	1.55E-05
7440-48-4	Cobalt	1.03E-08
7440-50-8	Copper	0
57-12-5	Cyanide	0
7440-53-1	Europium	0
16984-48-8	Fluoride	2.23E-06
12311-97-6	Formate+A2	1.45E-04
7439-89-6	Iron	0
7439-91-0	Lanthanum	1.00E-05
7439-92-1	Lead	0
7439-93-2	Lithium	0
7439-95-4	Magnesium	0
7439-96-5	Manganese	0
7439-97-6	Mercury	0
7439-98-7	Molybdenum	0
7440-00-8	Neodymium	3.69E-05
7440-02-0	Nickel	0
14797-55-8	Nitrate	1.43E-04
14797-65-0	Nitrite	1.70E-04
338-70-5	Oxalate	1.36E-03
14265-44-2	Phosphate	3.70E-04
7440-10-0	Praseodymium	2.21E-05
7440-16-6	Rhodium	1.01E-05
7440-17-7	Rubidium	1.13E-06
7440-18-8	Ruthenium	0
7440-19-9	Samarium	0
7782-49-2	Selenium	0
7440-21-3	Silicon	0
7440-22-4	Silver	0
7440-23-5	Sodium	7.72E-04
7440-24-6	Strontium	0
14808-79-8	Sulfate	1.60E-05
18496-25-8	Sulfide	5.59E-07
7440-25-7	Tantalum	1.07E-06
13494-80-9	Tellurium	9.86E-06
7440-28-0	Thallium	0
7440-29-1	Thorium	0
7440-31-5	Tin	0
7440-32-6	Titanium	0

7440-33-7	Tungsten	6.86E-08
7440-61-1	Uranium	0
7440-62-2	Vanadium	0
7440-65-5	Yttrium	6.94E-06
7440-66-6	Zinc	0
7440-67-7	Zirconium	0
71-55-6	1, 1, 1-Trichloroethane	3.77E-10
79-34-5	1, 1, 2, 2-Tetrachloroethane	2.76E-10
76-13-1	1, 1, 2-Trichloro-1, 2, 2-trifluoroethane	7.28E-16
79-00-5	1, 1, 2-Trichloroethane	2.75E-10
79-01-6	1, 1, 2-Trichloroethylene	5.31E-10
75-35-4	1, 1-Dichloroethene	4.42E-10
120-82-1	1, 2, 4-Trichlorobenzene	0
107-06-2	1, 2-Dichloroethane	2.72E-10
106-46-7	1, 4-Dichlorobenzene	1.17E-13
95-95-4	2, 4, 5-Trichlorophenol	6.23E-14
88-06-2	2, 4, 6-Trichlorophenol	3.22E-10
121-14-2	2, 4-Dinitrotoluene	4.14E-10
78-93-3	2-Butanone(MEK)	1.84E-09
95-57-8	2-Chlorophenol	8.49E-08
110-80-5	2-Ethoxyethanol	4.66E-08
95-48-7	2-Methylphenol (o-cresol)	1.11E-09
79-46-9	2-Nitropropane	8.28E-10
67-64-1	2-Propanone (Acetone)	5.35E-09
108-10-1	4-Methyl-2-pentanone (MIBK)	5.66E-10
83-32-9	Acenaphthene	0
71-50-1	Acetate C2H3O2-	1.45E-04
71-43-2	Benzene	2.64E-10
85-68-7	Butylbenzylphthalate	0
75-15-0	Carbon disulfide	3.90E-10
56-23-5	Carbon tetrachloride	4.98E-10
108-90-7	Chlorobenzene	2.74E-12
75-01-4	Chloroethene(vinyl chloride)	2.38E-10
67-66-3	Chloroform	3.99E-10
1319-77-3	Cresylic acid (cresol, mixed isomers)	1.60E-09
108-94-1	Cyclohexanone	1.41E-07
75-09-2	Dichloromethane (methylene chloride)	4.05E-10
60-29-7	Diethyl ether	4.65E-10
84-74-2	Di-n-butylphthalate	0
117-84-0	Di-n-octylphthalate	0
141-78-6	Ethyl Acetate	5.14E-10
100-41-4	Ethylbenzene	6.59E-10
206-44-0	Fluoranthene	0
Glycolate	Glycolate C2H3O3	1.20E-04
87-68-3	Hexachlorobutadiene	0
67-72-1	Hexachloroethane	0
78-83-1	Isobutanol	1.18E-07
108-39-4	m-Cresol (3-Methylphenol)	2.54E-09
91-20-3	Naphthalene	0
71-36-3	n-Butyl alcohol (1-butanol)	8.86E-08
98-95-3	Nitrobenzene	3.28E-08
621-64-7	N-nitroso-di-n-propylamine	5.54E-08

95-50-1	o-Dichlorobenzene	5.90E-10
88-75-5	o-Nitrophenol	6.80E-10
95-47-6	o-Xylene	1.97E-12
59-50-7	p-Chloro-m-cresol (4-Chloro-3-methylphenol)	4.32E-14
87-86-5	Pentachlorophenol	5.88E-14
108-95-2	Phenol	1.93E-07
129-00-0	Pyrene	0
110-86-1	Pyridine	5.93E-08
127-18-4	Tetrachloroethylene	2.92E-12
108-88-3	Toluene	3.10E-10
10061-02-6	trans-1, 3-dichloropropene	2.68E-10
75-69-4	Trichlorofluoromethane	3.93E-10
1330-20-7	Xylenes	9.89E-10
11097-69-1	Aroclor-1254	0

Peak Year	Kd	Kd Bin	Half-Life
			Years
	0	0	12.33
9781	0	0	5730
	48	5	74999
	48	5	100.1
	0.1	0.1	5.2713
	3.1	2	805000
	16.1	5	28.149
	100	5	16.13
	100	5	20300
	600	5	1530000
10461	0	0	211097
	1	1	1.01736
	1	1	14.1
	1	1	246000
	1	1	2.7299
12032	0.2	0.2	15700000
	25	5	2.0619
	25	5	29.999
	1	1	89.997
	1	1	13.33
	1	1	8.5919
	1	1	4.68
	1	1	1600
	1	1	5.7498
	67	5	21.769
	3	2	1.9129
	3	2	7340
	3	2	75380
	3	2	14050000000
	550	5	32759
	0.6	0.6	69.799
	0.6	0.6	159198
	0.6	0.6	245694
	0.6	0.6	703700000
	0.6	0.6	23420000
	0.6	0.6	4468000000
	2	2	2140000
	3	2	87.697
	3	2	24110
	3	2	6563
	3	2	14.35
	3	2	373507
	3	2	432.7
	3	2	7370
	3	2	0.44611
	3	2	28.499
	3	2	18.1

Report Generated on: 5/25/2005, 12:30:58
Report Generated by H0098416 (David J
Decision Management Tool Version 4.0.0
241-C-106

Major Assumptions Used:
Dilution factor for WMA-C: 40
Compliance Monitoring Start Year :2001

	1	1	Infinity
10481	0.00093	0	Infinity
	1	1	Infinity
	39	5	Infinity
	60	5	Infinity
	70	5	Infinity
10481		0	Infinity
	3	2	Infinity
10481		0	Infinity
	1.26	1	Infinity
	4	5	Infinity
10481		0	Infinity
10481		0	Infinity
10481	0	0	Infinity
12032	0.1	0.1	Infinity
	35	5	Infinity
	9.9	5	Infinity
	50	5	Infinity
10481		0	Infinity
10481		0	Infinity
	25	5	Infinity
10481		0	Infinity
	5.2	5	Infinity
	300	5	Infinity
	4.5	5	Infinity
	1	1	Infinity
	5.2	5	Infinity
	4	5	Infinity
10481		0	Infinity
	48	5	Infinity
10481	0	0	Infinity
10481	0	0	Infinity
10481		0	Infinity
10481		0	Infinity
10481		0	Infinity
10481		0	Infinity
10481		0	Infinity
	1	1	Infinity
	1	1	Infinity
	5	5	Infinity
	30	5	Infinity
	2.7	2	Infinity
10481		0	Infinity
	16.1	5	Infinity
10481		0	Infinity
10481		0	Infinity
10481		0	Infinity
10481		0	Infinity
	71	5	Infinity
	1	1	Infinity
	250	5	Infinity
	1000	5	Infinity

10481		0	Infinity
	0.6	0.6	Infinity
	50	5	Infinity
10481		0	Infinity
	62	5	Infinity
	500	5	Infinity
12032	0.0405	0.02	Infinity
12032	0.0237	0.02	Infinity
12032	0.386474866	0.2	Infinity
12032	0.0225	0.02	Infinity
12032	0.0282	0.02	Infinity
12032	0.019369627	0.02	Infinity
	0.4977	0.6	Infinity
12032	0.0114	0.02	Infinity
12032	0.1848	0.2	Infinity
12032	0.357	0.2	Infinity
12032	0.114	0.1	Infinity
12032	0.1092	0.1	Infinity
10481	0.00135	0	Infinity
10481	0.0003	0	Infinity
10481	0.0003	0	Infinity
12032	0.1329	0.1	Infinity
10481	0.00747	0	Infinity
10481	0.0001725	0	Infinity
12032	0.0402	0.02	Infinity
	1.167	1	Infinity
10481	0.0003	0	Infinity
12032	0.0186	0.02	Infinity
	4.141152795	5	Infinity
12032	0.01371	0.02	Infinity
12032	0.0138	0.02	Infinity
12032	0.0672	0.1	Infinity
10481	0.00558	0	Infinity
12032	0.012	0.02	Infinity
12032	0.1329	0.1	Infinity
10481	0.001648623	0	Infinity
10481	0.003	0	Infinity
10481	0.00132	0	Infinity
	1.893	2	Infinity
	24900	5	Infinity
10481	0.001574422	0	Infinity
12032	0.06	0.02	Infinity
	14.69336458	5	Infinity
10481		0	Infinity
	16.11	5	Infinity
	5.1	5	Infinity
10481	0.00063	0	Infinity
12032	0.1302	0.1	Infinity
	0.6	0.6	Infinity
10481	0.002076	0	Infinity
12032	0.01938	0.02	Infinity
10481	0.0072	0	Infinity

12032	0.1137	0.1	Infinity
12032	0.0945	0.1	Infinity
12032	0.0723	0.1	Infinity
12032	0.2154	0.2	Infinity
12032	0.177	0.2	Infinity
10481	0.00864	0	Infinity
	20.82	5	Infinity
10481	0.0015	0	Infinity
12032	0.081	0.1	Infinity
12032	0.042	0.02	Infinity
12032	0.02424	0.02	Infinity
12032	0.0279	0.02	Infinity
12032	0.0588	0.02	Infinity
	22.68	5	Infinity

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TanksCFarm_Jan01_HTWOS.txt 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	5.33E-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	8.51E-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	1.54E-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	3.60E-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	2.70E-05	10481		0
16887-00-6	Chloride	1.35E-05	10481		0
18540-29-9	Chromium	2.57E-05	10481	0	0
7440-48-4	Cobalt	6.17E-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	1.00E-04	10481		0
OHDEMAND	Hydroxide OH	7.79E-03	10481		0
7439-89-6	Iron	0		25	5
7439-91-0	Lanthanum	9.37E-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	2.20E-05	10481		0
7440-02-0	Nickel	0		48	5
14797-55-8	Nitrate	1.37E-03	10481	0	0
14797-65-0	Nitrite	5.49E-04	10481	0	0
338-70-5	Oxalate	6.16E-06	10481		0
14265-44-2	Phosphate	1.45E-03	10481		0
7440-10-0	Praseodymium	7.21E-06	10481		0
7440-16-6	Rhodium	1.51E-06	10481		0
7440-17-7	Rubidium	2.92E-08	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	2.90E-03	10481		0
7440-24-6	Strontium	0		16.1	5
14808-79-8	Sulfate	1.40E-04	10481		0
7440-25-7	Tantalum	2.94E-08	10481		0
13494-80-9	Tellurium	6.22E-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	2.34E-05	10481		0
7440-61-1	Uranium	0		0.6	0.6
7440-62-2	Vanadium	0		50	5
7440-65-5	Yttrium	3.29E-06	10481		0
7440-66-6	Zinc	0		62	5
7440-67-7	Zirconium	0		500	5

Half-Life

Years	
	Report Generated on: 5/25/2005, 12:31:09 PM
	Report Generated by H0098416 (David J. Watson)
12.33	**Decision Management Tool Version 4.0.0.37**
5730	241-C-107 TanksCFarm_Jan01_HTWOS.txt case02.stp
74999	
100.1	
5.2713	**Major Assumptions Used:**
805000	Dilution factor for WMA-C: 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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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	9.09E-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	1.62E-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-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
7440-69-9	Bismuth	7.89E-04	10481		0

7440-43-9	Cadmium	0		1.26	1
7440-70-2	Calcium	0		4	5
16887-00-6	Chloride	7.99E-06	10481		0
18540-29-9	Chromium	2.43E-05	10481	0	0
7440-48-4	Cobalt	1.12E-16	12032	0.1	0.1
57-12-5	Cyanide	0		9.9	5
16984-48-8	Fluoride	4.65E-05	10481		0
OHDEMAND	Hydroxide OH	9.02E-03	10481		0
7439-89-6	Iron	0		25	5
7439-91-0	Lanthanum	1.94E-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	4.75E-04	10481	0	0
14797-65-0	Nitrite	2.64E-04	10481	0	0
338-70-5	Oxalate	1.66E-05	10481		0
14265-44-2	Phosphate	1.71E-03	10481		0
7440-18-8	Ruthenium	0		1	1
7782-49-2	Selenium	0		5	5
7440-21-3	Silicon	0		30	5
7440-23-5	Sodium	3.19E-03	10481		0
7440-24-6	Strontium	0		16.1	5
14808-79-8	Sulfate	7.33E-05	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: 5/25/2005, 12:31:17 PM
	Report Generated by H0098416 (David J. Watson)
12.33	**Decision Management Tool Version 4.0.0.37**
5730	241-C-108 TanksCFarm_Jan01_HTWOS.txt case02.stp
74999	
100.1	
5.2713	**Major Assumptions Used:**
805000	Dilution factor for WMA-C: 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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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	2.01E-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	1.98E+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	2.43E-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
7440-69-9	Bismuth	1.44E-04	10481		0

7440-43-9	Cadmium	0		1.26	1
7440-70-2	Calcium	0		4	5
16887-00-6	Chloride	9.26E-06	10481		0
18540-29-9	Chromium	6.92E-06	10481	0	0
7440-48-4	Cobalt	0		0.1	0.1
57-12-5	Cyanide	0		9.9	5
16984-48-8	Fluoride	4.12E-05	10481		0
OHDEMAND	Hydroxide OH	8.92E-03	10481		0
7439-89-6	Iron	0		25	5
7439-91-0	Lanthanum	3.56E-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	6.60E-04	10481	0	0
14797-65-0	Nitrite	4.23E-04	10481	0	0
338-70-5	Oxalate	5.40E-05	10481		0
14265-44-2	Phosphate	2.73E-03	10481		0
7440-18-8	Ruthenium	0		1	1
7782-49-2	Selenium	0		5	5
7440-21-3	Silicon	0		30	5
7440-23-5	Sodium	2.01E-03	10481		0
7440-24-6	Strontium	0		16.1	5
14808-79-8	Sulfate	1.15E-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: 5/25/2005, 12:31:25 PM
	Report Generated by H0098416 (David J. Watson)
12.33	**Decision Management Tool Version 4.0.0.37**
5730	241-C-109 TanksCFarm_Jan01_HTWOS.txt case02.stp
74999	
100.1	
5.2713	**Major Assumptions Used:**
805000	Dilution factor for WMA-C: 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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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	1.83E-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	6.67E-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	6.68E-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
7440-36-0	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	1.94E-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	2.44E-05	10481		0
16887-00-6	Chloride	1.20E-05	10481		0
18540-29-9	Chromium	3.21E-05	10481	0	0
7440-48-4	Cobalt	2.09E-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	5.75E-04	10481		0
OHDEMAND	Hydroxide OH	4.63E-03	10481		0
7439-89-6	Iron	0		25	5
7439-91-0	Lanthanum	1.35E-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	2.35E-15	10481		0
7440-02-0	Nickel	0		48	5
14797-55-8	Nitrate	2.31E-03	10481	0	0
14797-65-0	Nitrite	1.39E-04	10481	0	0
338-70-5	Oxalate	6.21E-05	10481		0
14265-44-2	Phosphate	4.66E-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	2.83E-03	10481		0
7440-24-6	Strontium	0		16.1	5
14808-79-8	Sulfate	1.35E-04	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: 5/25/2005, 12:31:32 PM
	Report Generated by H0098416 (David J. Watson)
12.33	**Decision Management Tool Version 4.0.0.37**
5730	241-C-110 TanksCFarm_Jan01_HTWOS.txt case02.stp
74999	
100.1	
5.2713	**Major Assumptions Used:**
805000	Dilution factor for WMA-C: 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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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	2.02E-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	6.32E-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	1.14E-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	2.24E-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	6.22E-15	10481		0
16887-00-6	Chloride	8.25E-06	10481		0
18540-29-9	Chromium	9.01E-06	10481	0	0
7440-48-4	Cobalt	1.41E-17	12032	0.1	0.1
7440-50-8	Copper	0		35	5
16984-48-8	Fluoride	2.36E-05	10481		0
OHDEMAND	Hydroxide OH	9.22E-03	10481		0
7439-89-6	Iron	0		25	5
7439-91-0	Lanthanum	1.46E-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	6.22E-15	10481		0
7440-02-0	Nickel	0		48	5
14797-55-8	Nitrate	5.22E-04	10481	0	0
14797-65-0	Nitrite	2.70E-04	10481	0	0
338-70-5	Oxalate	1.77E-05	10481		0
14265-44-2	Phosphate	1.47E-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	5.14E-04	10481		0
7440-24-6	Strontium	0		16.1	5
14808-79-8	Sulfate	4.01E-05	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: 5/25/2005, 12:31:42 PM
	Report Generated by H0098416 (David J. Watson)
12.33	**Decision Management Tool Version 4.0.0.37**
5730	241-C-111 TanksCFarm_Jan01_HTWOS.txt case02.stp
74999	
100.1	
5.2713	**Major Assumptions Used:**
805000	Dilution factor for WMA-C: 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	
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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	3.53E-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	2.89E+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	1.93E-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
7440-36-0	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	2.19E-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	1.06E-05	10481		0
16887-00-6	Chloride	1.31E-05	10481		0
18540-29-9	Chromium	7.56E-06	10481	0	0
7440-48-4	Cobalt	1.55E-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	2.09E-05	10481		0
OHDEMAND	Hydroxide OH	5.69E-03	10481		0
7439-89-6	Iron	0		25	5
7439-91-0	Lanthanum	5.31E-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	1.18E-05	10481		0
7440-02-0	Nickel	0		48	5
14797-55-8	Nitrate	1.01E-03	10481	0	0
14797-65-0	Nitrite	7.14E-04	10481	0	0
338-70-5	Oxalate	1.48E-04	10481		0
14265-44-2	Phosphate	3.17E-03	10481		0
7440-16-6	Rhodium	1.20E-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-03	10481		0
7440-24-6	Strontium	0		16.1	5
14808-79-8	Sulfate	2.07E-04	10481		0
13494-80-9	Tellurium	2.19E-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: 5/25/2005, 12:31:50 PM
	Report Generated by H0098416 (David J. Watson)
12.33	**Decision Management Tool Version 4.0.0.37**
5730	241-C-112 TanksCFarm_Jan01_HTWOS.txt case02.stp
74999	
100.1	
5.2713	**Major Assumptions Used:**
805000	Dilution factor for WMA-C: 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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5.7498	
21.769	
7340	
14050000000	
32759	
69.799	
159198	
245694	
703700000	
23420000	
4468000000	
2140000	
87.697	
24110	
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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	1.55E-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	4.85E-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	3.90E-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
7440-36-0	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	9.66E-07	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	2.50E-07	10481		0
16887-00-6	Chloride	6.53E-06	10481		0
18540-29-9	Chromium	3.55E-05	10481	0	0
7440-48-4	Cobalt	1.34E-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	1.14E-05	10481		0
OHDEMAND	Hydroxide OH	1.02E-03	10481		0
7439-89-6	Iron	0		25	5
7439-92-1	Lead	0		5.2	5
7439-93-2	Lithium	0		300	5
7439-95-4	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	1.19E-07	10481		0
7440-02-0	Nickel	0		48	5
14797-55-8	Nitrate	3.53E-04	10481	0	0
14797-65-0	Nitrite	1.25E-04	10481	0	0
338-70-5	Oxalate	1.85E-04	10481		0
14265-44-2	Phosphate	8.81E-05	10481		0
7440-18-8	Ruthenium	0		1	1
7440-21-3	Silicon	0		30	5
7440-22-4	Silver	0		2.7	2
7440-23-5	Sodium	7.24E-04	10481		0
7440-24-6	Strontium	0		16.1	5
14808-79-8	Sulfate	1.98E-05	10481		0
7440-29-1	Thorium	0		1	1
7440-32-6	Titanium	0		1000	5
7440-33-7	Tungsten	5.36E-06	10481		0
7440-61-1	Uranium	0		0.6	0.6
7440-62-2	Vanadium	0		50	5
7440-65-5	Yttrium	1.19E-08	10481		0
7440-66-6	Zinc	0		62	5
7440-67-7	Zirconium	0		500	5

Half-Life

Years	
	Report Generated on: 5/25/2005, 12:31:59 PM
	Report Generated by H0098416 (David J. Watson)
12.33	**Decision Management Tool Version 4.0.0.37**
5730	241-C-201 TanksCFarm_Jan01_HTWOS.txt case02.stp
74999	
100.1	
5.2713	**Major Assumptions Used:**
805000	Dilution factor for WMA-C: 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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703700000	
23420000	
4468000000	
2140000	
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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	4.46E-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	4.50E-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	3.77E-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
7440-36-0	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	9.79E-07	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	2.30E-07	10481		0
16887-00-6	Chloride	6.24E-06	10481		0
18540-29-9	Chromium	2.59E-05	10481	0	0
7440-48-4	Cobalt	1.19E-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	9.38E-06	10481		0
OHDEMAND	Hydroxide OH	8.70E-04	10481		0
7439-89-6	Iron	0		25	5
7439-92-1	Lead	0		5.2	5
7439-93-2	Lithium	0		300	5
7439-95-4	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	1.10E-07	10481		0
7440-02-0	Nickel	0		48	5
14797-55-8	Nitrate	3.19E-04	10481	0	0
14797-65-0	Nitrite	1.04E-04	10481	0	0
338-70-5	Oxalate	1.33E-04	10481		0
14265-44-2	Phosphate	5.44E-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	6.59E-04	10481		0
7440-24-6	Strontium	0		16.1	5
14808-79-8	Sulfate	1.62E-05	10481		0
7440-29-1	Thorium	0		1	1
7440-32-6	Titanium	0		1000	5
7440-33-7	Tungsten	4.25E-06	10481		0
7440-61-1	Uranium	0		0.6	0.6
7440-62-2	Vanadium	0		50	5
7440-65-5	Yttrium	1.10E-08	10481		0
7440-66-6	Zinc	0		62	5
7440-67-7	Zirconium	0		500	5

Half-Life

Years	
	Report Generated on: 5/25/2005, 12:32:09 PM
	Report Generated by H0098416 (David J. Watson)
12.33	**Decision Management Tool Version 4.0.0.37**
5730	241-C-202 TanksCFarm_Jan01_HTWOS.txt case02.stp
74999	
100.1	
5.2713	**Major Assumptions Used:**
805000	Dilution factor for WMA-C: 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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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	4.42E-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	7.53E-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	3.74E-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
7440-36-0	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	6.15E-07	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	1.20E-07	10481		0
16887-00-6	Chloride	4.84E-06	10481		0
18540-29-9	Chromium	6.94E-05	10481	0	0
7440-48-4	Cobalt	5.45E-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	2.79E-05	10481		0
OHDEMAND	Hydroxide OH	5.74E-04	10481		0
7439-89-6	Iron	0		25	5
7439-92-1	Lead	0		5.2	5
7439-93-2	Lithium	0		300	5
7439-95-4	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	5.78E-08	10481		0
7440-02-0	Nickel	0		48	5
14797-55-8	Nitrate	6.58E-04	10481	0	0
14797-65-0	Nitrite	3.27E-05	10481	0	0
338-70-5	Oxalate	1.19E-04	10481		0
14265-44-2	Phosphate	5.68E-05	10481		0
7440-10-0	Praseodymium	1.81E-06	10481		0
7440-16-6	Rhodium	2.94E-07	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	6.32E-04	10481		0
7440-24-6	Strontium	0		16.1	5
14808-79-8	Sulfate	1.67E-05	10481		0
7440-25-7	Tantalum	2.90E-07	10481		0
13494-80-9	Tellurium	3.21E-07	10481		0
7440-29-1	Thorium	0		1	1
7440-32-6	Titanium	0		1000	5
7440-33-7	Tungsten	2.65E-06	10481		0
7440-61-1	Uranium	0		0.6	0.6
7440-62-2	Vanadium	0		50	5
7440-65-5	Yttrium	6.91E-09	10481		0
7440-66-6	Zinc	0		62	5
7440-67-7	Zirconium	0		500	5

Half-Life

Years	
	Report Generated on: 5/25/2005, 12:32:17 PM
	Report Generated by H0098416 (David J. Watson)
12.33	**Decision Management Tool Version 4.0.0.37**
5730	241-C-203 TanksCFarm_Jan01_HTWOS.txt case02.stp
74999	
100.1	
5.2713	**Major Assumptions Used:**
805000	Dilution factor for WMA-C: 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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14050000000	
32759	
69.799	
159198	
245694	
703700000	
23420000	
4468000000	
2140000	
87.697	
24110	
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14.35	
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432.7	
7370	
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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	3.56E-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	2.40E-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	3.01E-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
7440-36-0	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	2.90E-07	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	9.40E-07	10481		0
16887-00-6	Chloride	2.81E-06	10481		0
18540-29-9	Chromium	4.05E-05	10481	0	0
7440-48-4	Cobalt	1.76E-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	5.60E-07	10481		0
OHDEMAND	Hydroxide OH	3.45E-04	10481		0
7439-89-6	Iron	0		25	5
7439-92-1	Lead	0		5.2	5
7439-93-2	Lithium	0		300	5
7439-95-4	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-07	10481		0
7440-02-0	Nickel	0		48	5
14797-55-8	Nitrate	1.28E-04	10481	0	0
14797-65-0	Nitrite	8.89E-05	10481	0	0
338-70-5	Oxalate	3.22E-06	10481		0
14265-44-2	Phosphate	3.65E-04	10481		0
7440-10-0	Praseodymium	6.10E-07	10481		0
7440-16-6	Rhodium	2.74E-07	10481		0
7440-18-8	Ruthenium	0		1	1
7782-49-2	Selenium	0		5	5
7440-22-4	Silver	0		2.7	2
7440-23-5	Sodium	2.89E-04	10481		0
7440-24-6	Strontium	0		16.1	5
14808-79-8	Sulfate	1.58E-05	10481		0
7440-25-7	Tantalum	1.15E-07	10481		0
13494-80-9	Tellurium	1.17E-07	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	2.25E-06	10481		0
7440-61-1	Uranium	0		0.6	0.6
7440-62-2	Vanadium	0		50	5
7440-65-5	Yttrium	2.74E-09	10481		0
7440-66-6	Zinc	0		62	5

Half-Life

Years	
	Report Generated on: 5/25/2005, 12:32:26 PM
	Report Generated by H0098416 (David J. Watson)
12.33	**Decision Management Tool Version 4.0.0.37**
5730	241-C-204 TanksCFarm_Jan01_HTWOS.txt case02.stp
74999	
100.1	
5.2713	**Major Assumptions Used:**
805000	Dilution factor for WMA-C: 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	
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21.769	
7340	
14050000000	
32759	
69.799	
159198	
245694	
703700000	
23420000	
4468000000	
2140000	
87.697	
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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	2.39E-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	2.47E+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	4.89E-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	2.31E-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	5.35E-05	10481		0
16887-00-6	Chloride	5.03E-05	10481		0
18540-29-9	Chromium	1.15E-04	10481	0	0
7440-48-4	Cobalt	1.01E-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	1.23E-03	10481		0
OHDEMAND	Hydroxide OH	3.40E-02	10481		0
7439-89-6	Iron	0		25	5
7439-91-0	Lanthanum	1.18E-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	2.50E-05	10481		0
7440-02-0	Nickel	0		48	5
14797-55-8	Nitrate	5.37E-03	10481	0	0
14797-65-0	Nitrite	1.41E-03	10481	0	0
338-70-5	Oxalate	2.31E-04	10481		0
14265-44-2	Phosphate	7.13E-03	10481		0
7440-10-0	Praseodymium	9.21E-06	10481		0
7440-16-6	Rhodium	5.63E-06	10481		0
7440-17-7	Rubidium	7.65E-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	1.11E-02	10481		0
7440-24-6	Strontium	0		16.1	5
14808-79-8	Sulfate	4.90E-04	10481		0
7440-25-7	Tantalum	7.93E-08	10481		0
13494-80-9	Tellurium	6.22E-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	2.34E-05	10481		0
7440-61-1	Uranium	0		0.6	0.6
7440-62-2	Vanadium	0		50	5
7440-65-5	Yttrium	4.09E-06	10481		0
7440-66-6	Zinc	0		62	5
7440-67-7	Zirconium	0		500	5

Half-Life

Years	
	Report Generated on: 5/25/2005, 12:36:16 PM
	Report Generated by H0098416 (David J. Watson)
12.33	**Decision Management Tool Version 4.0.0.37**
5730	241-C-101 TanksCFarm_Jan01_HTWOS.txt case02.stp
74999	
100.1	241-C-104 TanksCFarm_Jan01_HTWOS.txt case02.stp
5.2713	
805000	241-C-107 TanksCFarm_Jan01_HTWOS.txt case02.stp
28.149	
16.13	241-C-110 TanksCFarm_Jan01_HTWOS.txt case02.stp
1530000	
211097	
1.01736	**Major Assumptions Used:**
14.1	Dilution factor for WMA-C: 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	
7370	
0.44611	
28.499	
18.1	
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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	1.53E-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	2.46E+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	1.35E-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	1.12E-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	2.02E-14	10481		0
16887-00-6	Chloride	4.68E-05	10481		0
18540-29-9	Chromium	6.77E-05	10481	0	0
7440-48-4	Cobalt	1.66E-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	1.44E-04	10481		0
OHDEMAND	Hydroxide OH	4.21E-02	10481		0
7439-89-6	Iron	0		25	5
7439-91-0	Lanthanum	2.13E-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	2.02E-14	10481		0
7440-02-0	Nickel	0		48	5
14797-55-8	Nitrate	2.03E-03	10481	0	0
14797-65-0	Nitrite	9.50E-04	10481	0	0
338-70-5	Oxalate	9.54E-05	10481		0
14265-44-2	Phosphate	3.65E-03	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	6.78E-03	10481		0
7440-24-6	Strontium	0		16.1	5
14808-79-8	Sulfate	2.91E-04	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

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
159198
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703700000
23420000
4468000000
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Report Generated on: 5/25/2005, 12:36:42 PM
Report Generated by H0098416 (David J. Watson)
Decision Management Tool Version 4.0.0.37

241-C-102	TanksCFarm_Jan01_HTWOS.txt	case02.stp
241-C-105	TanksCFarm_Jan01_HTWOS.txt	case02.stp
241-C-108	TanksCFarm_Jan01_HTWOS.txt	case02.stp
241-C-111	TanksCFarm_Jan01_HTWOS.txt	case02.stp

Major Assumptions Used:

Dilution factor for WMA-C: 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)
3H	Tritium	0
14C	Carbon-14	5.42E-02
59Ni	Nickel-59	0
63Ni	Nickel-63	0
60Co	Cobalt-60	0
79Se	Selenium-79	0
90Sr	Strontium-90 + D	0
93mNb	Niobium-93m	0
94Nb	Niobium-94	0
93Zr	Zirconium-93	0
99Tc	Technetium-99	5.81E+00
106Ru	Ruthenium-106	0
113mCd	Cadmium-113m	0
126Sn	Tin-126	0
125Sb	Antimony-125	0
129I	Iodine-129	1.05E-08
134Cs	Cesium-134	0
137Cs	Cesium-137 + Daughters	0
151Sm	Samarium-151	0
152Eu	Europium-152	0
154Eu	Europium-154	0
155Eu	Europium-155	0
226Ra	Radium-226 + D	0
228Ra	Radium-228 + D	0
227Ac	Actinium-227 + D	0
228Th	Thorium-228 + D	0
229Th	Thorium-229 + D	0
230Th	Thorium-230	0
232Th	Thorium-232	0
231Pa	Protactinium-231	0
232U	Uranium-232	0
233U	Uranium-233	0
234U	Uranium-234	0
235U	Uranium-235 + D	0
236U	Uranium-236	0
238U	Uranium-238 + D	0
237Np	Neptunium-237 + D	0
238Pu	Plutonium-238	0
239Pu	Plutonium-239	0
240Pu	Plutonium-240	0
241Pu	Plutonium-241 + D	0
242Pu	Plutonium-242	0
241Am	Americium-241	0
243Am	Americium-243 + D	0
242Cm	Curium-242	0
243Cm	Curium-243	0
244Cm	Curium-244	0

7429-90-5	Aluminum	0
7664-41-7	Ammonia -- (a)	3.75E-06
7440-36-0	Antimony	0
7440-38-2	Arsenic	0
7440-39-3	Barium	0
7440-41-7	Beryllium	0
7440-69-9	Bismuth	3.75E-04
7440-42-8	Boron	0
24959-67-9	Bromide	7.72E-08
7440-43-9	Cadmium	0
7440-70-2	Calcium	0
7440-45-1	Cerium	3.40E-05
16887-00-6	Chloride	5.62E-05
18540-29-9	Chromium	5.47E-05
7440-48-4	Cobalt	2.58E-08
7440-50-8	Copper	0
57-12-5	Cyanide	0
7440-53-1	Europium	0
16984-48-8	Fluoride	7.91E-05
12311-97-6	Formate+A2	1.45E-04
OHDEMAND	Hydroxide OH	2.55E-02
7439-89-6	Iron	0
7439-91-0	Lanthanum	1.57E-05
7439-92-1	Lead	0
7439-93-2	Lithium	0
7439-95-4	Magnesium	0
7439-96-5	Manganese	0
7439-97-6	Mercury	0
7439-98-7	Molybdenum	0
7440-00-8	Neodymium	4.87E-05
7440-02-0	Nickel	0
14797-55-8	Nitrate	1.83E-03
14797-65-0	Nitrite	1.55E-03
338-70-5	Oxalate	1.63E-03
14265-44-2	Phosphate	6.35E-03
7440-10-0	Praseodymium	2.21E-05
7440-16-6	Rhodium	1.13E-05
7440-17-7	Rubidium	1.13E-06
7440-18-8	Ruthenium	0
7440-19-9	Samarium	0
7782-49-2	Selenium	0
7440-21-3	Silicon	0
7440-22-4	Silver	0
7440-23-5	Sodium	5.88E-03
7440-24-6	Strontium	0
14808-79-8	Sulfate	3.77E-04
18496-25-8	Sulfide	5.59E-07
7440-25-7	Tantalum	1.07E-06
13494-80-9	Tellurium	1.20E-05
7440-28-0	Thallium	0
7440-29-1	Thorium	0
7440-31-5	Tin	0

7440-32-6	Titanium	0
7440-33-7	Tungsten	6.86E-08
7440-61-1	Uranium	0
7440-62-2	Vanadium	0
7440-65-5	Yttrium	6.94E-06
7440-66-6	Zinc	0
7440-67-7	Zirconium	0
71-55-6	1, 1, 1-Trichloroethane	3.77E-10
79-34-5	1, 1, 2, 2-Tetrachloroethane	2.76E-10
76-13-1	1, 1, 2-Trichloro-1, 2, 2-trifluoroethane	7.28E-16
79-00-5	1, 1, 2-Trichloroethane	2.75E-10
79-01-6	1, 1, 2-Trichloroethylene	5.31E-10
75-35-4	1, 1-Dichloroethene	4.42E-10
120-82-1	1, 2, 4-Trichlorobenzene	0
107-06-2	1, 2-Dichloroethane	2.72E-10
106-46-7	1, 4-Dichlorobenzene	1.17E-13
95-95-4	2, 4, 5-Trichlorophenol	6.23E-14
88-06-2	2, 4, 6-Trichlorophenol	3.22E-10
121-14-2	2, 4-Dinitrotoluene	4.14E-10
78-93-3	2-Butanone(MEK)	1.84E-09
95-57-8	2-Chlorophenol	8.49E-08
110-80-5	2-Ethoxyethanol	4.66E-08
95-48-7	2-Methylphenol (o-cresol)	1.11E-09
79-46-9	2-Nitropropane	8.28E-10
67-64-1	2-Propanone (Acetone)	5.35E-09
108-10-1	4-Methyl-2-pentanone (MIBK)	5.66E-10
83-32-9	Acenaphthene	0
71-50-1	Acetate C2H3O2-	1.45E-04
71-43-2	Benzene	2.64E-10
85-68-7	Butylbenzylphthalate	0
75-15-0	Carbon disulfide	3.90E-10
56-23-5	Carbon tetrachloride	4.98E-10
108-90-7	Chlorobenzene	2.74E-12
75-01-4	Chloroethene(vinyl chloride)	2.38E-10
67-66-3	Chloroform	3.99E-10
1319-77-3	Cresylic acid (cresol, mixed isomers)	1.60E-09
108-94-1	Cyclohexanone	1.41E-07
75-09-2	Dichloromethane (methylene chloride)	4.05E-10
60-29-7	Diethyl ether	4.65E-10
84-74-2	Di-n-butylphthalate	0
117-84-0	Di-n-octylphthalate	0
141-78-6	Ethyl Acetate	5.14E-10
100-41-4	Ethylbenzene	6.59E-10
206-44-0	Fluoranthene	0
Glycolate	Glycolate C2H3O3	1.20E-04
87-68-3	Hexachlorobutadiene	0
67-72-1	Hexachloroethane	0
78-83-1	Isobutanol	1.18E-07
108-39-4	m-Cresol (3-Methylphenol)	2.54E-09
91-20-3	Naphthalene	0
71-36-3	n-Butyl alcohol (1-butanol)	8.86E-08
98-95-3	Nitrobenzene	3.28E-08

621-64-7	N-nitroso-di-n-propylamine	5.54E-08
95-50-1	o-Dichlorobenzene	5.90E-10
88-75-5	o-Nitrophenol	6.80E-10
95-47-6	o-Xylene	1.97E-12
59-50-7	p-Chloro-m-cresol (4-Chloro-3-methylphenol)	4.32E-14
87-86-5	Pentachlorophenol	5.88E-14
108-95-2	Phenol	1.93E-07
129-00-0	Pyrene	0
110-86-1	Pyridine	5.93E-08
127-18-4	Tetrachloroethylene	2.92E-12
108-88-3	Toluene	3.10E-10
10061-02-6	trans-1, 3-dichloropropene	2.68E-10
75-69-4	Trichlorofluoromethane	3.93E-10
1330-20-7	Xylenes	9.89E-10
11097-69-1	Aroclor-1254	0

Peak Year	Kd	Kd Bin	Half-Life	
			Years	**Report Generated on: 5/25/2005, 12:36:58**
				Report Generated by H0098416 (David J
	0	0	12.33	**Decision Management Tool Version 4.0.0**
9781	0	0	5730	241-C-103
	48	5	74999	
	48	5	100.1	241-C-106
	0.1	0.1	5.2713	
	3.1	2	805000	241-C-109
	16.1	5	28.149	
	100	5	16.13	241-C-112
	100	5	20300	
	600	5	1530000	
10461	0	0	211097	**Major Assumptions Used:**
	1	1	1.01736	Dilution factor for WMA-C: 40
	1	1	14.1	Compliance Monitoring Start Year :2001
	1	1	246000	
	1	1	2.7299	
12032	0.2	0.2	15700000	
	25	5	2.0619	Verified by John Middleton 6/15/05
	25	5	29.999	
	1	1	89.997	
	1	1	13.33	
	1	1	8.5919	
	1	1	4.68	
	1	1	1600	
	1	1	5.7498	
	67	5	21.769	
	3	2	1.9129	
	3	2	7340	
	3	2	75380	
	3	2	14050000000	
	550	5	32759	
	0.6	0.6	69.799	
	0.6	0.6	159198	
	0.6	0.6	245694	
	0.6	0.6	703700000	
	0.6	0.6	23420000	
	0.6	0.6	4468000000	
	2	2	2140000	
	3	2	87.697	
	3	2	24110	
	3	2	6563	
	3	2	14.35	
	3	2	373507	
	3	2	432.7	
	3	2	7370	
	3	2	0.44611	
	3	2	28.499	
	3	2	18.1	

	1	1	Infinity
10481	0.00093	0	Infinity
	1	1	Infinity
	39	5	Infinity
	60	5	Infinity
	70	5	Infinity
10481		0	Infinity
	3	2	Infinity
10481		0	Infinity
	1.26	1	Infinity
	4	5	Infinity
10481		0	Infinity
10481		0	Infinity
10481	0	0	Infinity
12032	0.1	0.1	Infinity
	35	5	Infinity
	9.9	5	Infinity
	50	5	Infinity
10481		0	Infinity
10481		0	Infinity
10481		0	Infinity
	25	5	Infinity
10481		0	Infinity
	5.2	5	Infinity
	300	5	Infinity
	4.5	5	Infinity
	1	1	Infinity
	5.2	5	Infinity
	4	5	Infinity
10481		0	Infinity
	48	5	Infinity
10481	0	0	Infinity
10481	0	0	Infinity
10481		0	Infinity
10481		0	Infinity
10481		0	Infinity
10481		0	Infinity
10481		0	Infinity
	1	1	Infinity
	1	1	Infinity
	5	5	Infinity
	30	5	Infinity
	2.7	2	Infinity
10481		0	Infinity
	16.1	5	Infinity
10481		0	Infinity
10481		0	Infinity
10481		0	Infinity
10481		0	Infinity
	71	5	Infinity
	1	1	Infinity
	250	5	Infinity

	1000	5	Infinity
10481		0	Infinity
	0.6	0.6	Infinity
	50	5	Infinity
10481		0	Infinity
	62	5	Infinity
	500	5	Infinity
12032	0.0405	0.02	Infinity
12032	0.0237	0.02	Infinity
12032	0.386474866	0.2	Infinity
12032	0.0225	0.02	Infinity
12032	0.0282	0.02	Infinity
12032	0.019369627	0.02	Infinity
	0.4977	0.6	Infinity
12032	0.0114	0.02	Infinity
12032	0.1848	0.2	Infinity
12032	0.357	0.2	Infinity
12032	0.114	0.1	Infinity
12032	0.1092	0.1	Infinity
10481	0.00135	0	Infinity
10481	0.0003	0	Infinity
10481	0.0003	0	Infinity
12032	0.1329	0.1	Infinity
10481	0.00747	0	Infinity
10481	0.0001725	0	Infinity
12032	0.0402	0.02	Infinity
	1.167	1	Infinity
10481	0.0003	0	Infinity
12032	0.0186	0.02	Infinity
	4.141152795	5	Infinity
12032	0.01371	0.02	Infinity
12032	0.0138	0.02	Infinity
12032	0.0672	0.1	Infinity
10481	0.00558	0	Infinity
12032	0.012	0.02	Infinity
12032	0.1329	0.1	Infinity
10481	0.001648623	0	Infinity
10481	0.003	0	Infinity
10481	0.00132	0	Infinity
	1.893	2	Infinity
	24900	5	Infinity
10481	0.001574422	0	Infinity
12032	0.06	0.02	Infinity
	14.69336458	5	Infinity
10481		0	Infinity
	16.11	5	Infinity
	5.1	5	Infinity
10481	0.00063	0	Infinity
12032	0.1302	0.1	Infinity
	0.6	0.6	Infinity
10481	0.002076	0	Infinity
12032	0.01938	0.02	Infinity

10481	0.0072	0	Infinity
12032	0.1137	0.1	Infinity
12032	0.0945	0.1	Infinity
12032	0.0723	0.1	Infinity
12032	0.2154	0.2	Infinity
12032	0.177	0.2	Infinity
10481	0.00864	0	Infinity
	20.82	5	Infinity
10481	0.0015	0	Infinity
12032	0.081	0.1	Infinity
12032	0.042	0.02	Infinity
12032	0.02424	0.02	Infinity
12032	0.0279	0.02	Infinity
12032	0.0588	0.02	Infinity
	22.68	5	Infinity

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TanksCFarm_Jan01_HTWOS.txt	case02.stp
TanksCFarm_Jan01_HTWOS.txt	case02.stp
TanksCFarm_Jan01_HTWOS.txt	case02.stp
TanksCFarm_Jan01_HTWOS.txt	case02.stp

CAS Number	Analyte Name	Concentration pCi/L (Rad) or mg/L (Non-rad)
3H	Tritium	0
14C	Carbon-14	5.47E-02
59Ni	Nickel-59	0
63Ni	Nickel-63	0
60Co	Cobalt-60	0
79Se	Selenium-79	0
90Sr	Strontium-90 + D	0
93mNb	Niobium-93m	0
94Nb	Niobium-94	0
93Zr	Zirconium-93	0
99Tc	Technetium-99	5.86E+00
106Ru	Ruthenium-106	0
113mCd	Cadmium-113m	0
126Sn	Tin-126	0
125Sb	Antimony-125	0
129I	Iodine-129	1.09E-08
134Cs	Cesium-134	0
137Cs	Cesium-137 + Daughters	0
151Sm	Samarium-151	0
152Eu	Europium-152	0
154Eu	Europium-154	0
155Eu	Europium-155	0
226Ra	Radium-226 + D	0
228Ra	Radium-228 + D	0
227Ac	Actinium-227 + D	0
228Th	Thorium-228 + D	0
229Th	Thorium-229 + D	0
230Th	Thorium-230	0
232Th	Thorium-232	0
231Pa	Protactinium-231	0
232U	Uranium-232	0
233U	Uranium-233	0
234U	Uranium-234	0
235U	Uranium-235 + D	0
236U	Uranium-236	0
238U	Uranium-238 + D	0
237Np	Neptunium-237 + D	0
238Pu	Plutonium-238	0
239Pu	Plutonium-239	0
240Pu	Plutonium-240	0
241Pu	Plutonium-241 + D	0
242Pu	Plutonium-242	0
241Am	Americium-241	0
243Am	Americium-243 + D	0
242Cm	Curium-242	0
243Cm	Curium-243	0
244Cm	Curium-244	0

7429-90-5	Aluminum	0
7664-41-7	Ammonia -- (a)	3.77E-06
7440-36-0	Antimony	0
7440-38-2	Arsenic	0
7440-39-3	Barium	0
7440-41-7	Beryllium	0
7440-69-9	Bismuth	3.92E-04
7440-42-8	Boron	0
24959-67-9	Bromide	7.72E-08
7440-43-9	Cadmium	0
7440-70-2	Calcium	0
7440-45-1	Cerium	3.44E-05
16887-00-6	Chloride	5.70E-05
18540-29-9	Chromium	5.66E-05
7440-48-4	Cobalt	2.60E-08
7440-50-8	Copper	0
57-12-5	Cyanide	0
7440-53-1	Europium	0
16984-48-8	Fluoride	8.60E-05
12311-97-6	Formate+A2	1.45E-04
OHDEMAND	Hydroxide OH	2.60E-02
7439-89-6	Iron	0
7439-91-0	Lanthanum	1.59E-05
7439-92-1	Lead	0
7439-93-2	Lithium	0
7439-95-4	Magnesium	0
7439-96-5	Manganese	0
7439-97-6	Mercury	0
7439-98-7	Molybdenum	0
7440-00-8	Neodymium	4.91E-05
7440-02-0	Nickel	0
14797-55-8	Nitrate	1.88E-03
14797-65-0	Nitrite	1.57E-03
338-70-5	Oxalate	1.64E-03
14265-44-2	Phosphate	6.43E-03
7440-10-0	Praseodymium	2.23E-05
7440-16-6	Rhodium	1.13E-05
7440-17-7	Rubidium	1.62E-06
7440-18-8	Ruthenium	0
7440-19-9	Samarium	0
7782-49-2	Selenium	0
7440-21-3	Silicon	0
7440-22-4	Silver	0
7440-23-5	Sodium	6.00E-03
7440-24-6	Strontium	0
14808-79-8	Sulfate	3.83E-04
18496-25-8	Sulfide	5.59E-07
7440-25-7	Tantalum	1.12E-06
13494-80-9	Tellurium	1.21E-05
7440-28-0	Thallium	0
7440-29-1	Thorium	0
7440-31-5	Tin	0

7440-32-6	Titanium	0
7440-33-7	Tungsten	3.32E-07
7440-61-1	Uranium	0
7440-62-2	Vanadium	0
7440-65-5	Yttrium	6.99E-06
7440-66-6	Zinc	0
7440-67-7	Zirconium	0
71-55-6	1, 1, 1-Trichloroethane	3.77E-10
79-34-5	1, 1, 2, 2-Tetrachloroethane	2.76E-10
76-13-1	1, 1, 2-Trichloro-1, 2, 2-trifluoroethane	7.28E-16
79-00-5	1, 1, 2-Trichloroethane	2.75E-10
79-01-6	1, 1, 2-Trichloroethylene	5.31E-10
75-35-4	1, 1-Dichloroethene	4.42E-10
120-82-1	1, 2, 4-Trichlorobenzene	0
107-06-2	1, 2-Dichloroethane	2.72E-10
106-46-7	1, 4-Dichlorobenzene	1.17E-13
95-95-4	2, 4, 5-Trichlorophenol	6.23E-14
88-06-2	2, 4, 6-Trichlorophenol	3.22E-10
121-14-2	2, 4-Dinitrotoluene	4.14E-10
78-93-3	2-Butanone(MEK)	1.84E-09
95-57-8	2-Chlorophenol	8.49E-08
110-80-5	2-Ethoxyethanol	4.66E-08
95-48-7	2-Methylphenol (o-cresol)	1.11E-09
79-46-9	2-Nitropropane	8.28E-10
67-64-1	2-Propanone (Acetone)	5.35E-09
108-10-1	4-Methyl-2-pentanone (MIBK)	5.66E-10
83-32-9	Acenaphthene	0
71-50-1	Acetate C2H3O2-	1.45E-04
71-43-2	Benzene	2.64E-10
85-68-7	Butylbenzylphthalate	0
75-15-0	Carbon disulfide	3.90E-10
56-23-5	Carbon tetrachloride	4.98E-10
108-90-7	Chlorobenzene	2.74E-12
75-01-4	Chloroethene(vinyl chloride)	2.38E-10
67-66-3	Chloroform	3.99E-10
1319-77-3	Cresylic acid (cresol, mixed isomers)	1.60E-09
108-94-1	Cyclohexanone	1.41E-07
75-09-2	Dichloromethane (methylene chloride)	4.05E-10
60-29-7	Diethyl ether	4.65E-10
84-74-2	Di-n-butylphthalate	0
117-84-0	Di-n-octylphthalate	0
141-78-6	Ethyl Acetate	5.14E-10
100-41-4	Ethylbenzene	6.59E-10
206-44-0	Fluoranthene	0
Glycolate	Glycolate C2H3O3	1.20E-04
87-68-3	Hexachlorobutadiene	0
67-72-1	Hexachloroethane	0
78-83-1	Isobutanol	1.18E-07
108-39-4	m-Cresol (3-Methylphenol)	2.54E-09
91-20-3	Naphthalene	0
71-36-3	n-Butyl alcohol (1-butanol)	8.86E-08
98-95-3	Nitrobenzene	3.28E-08

621-64-7	N-nitroso-di-n-propylamine	5.54E-08
95-50-1	o-Dichlorobenzene	5.90E-10
88-75-5	o-Nitrophenol	6.80E-10
95-47-6	o-Xylene	1.97E-12
59-50-7	p-Chloro-m-cresol (4-Chloro-3-methylphenol)	4.32E-14
87-86-5	Pentachlorophenol	5.88E-14
108-95-2	Phenol	1.93E-07
129-00-0	Pyrene	0
110-86-1	Pyridine	5.93E-08
127-18-4	Tetrachloroethylene	2.92E-12
108-88-3	Toluene	3.10E-10
10061-02-6	trans-1, 3-dichloropropene	2.68E-10
75-69-4	Trichlorofluoromethane	3.93E-10
1330-20-7	Xylenes	9.89E-10
11097-69-1	Aroclor-1254	0

Peak Year	Kd	Kd Bin	Half-Life	
			Years	**Report Generated on: 5/31/2005, 3:55:47**
				Report Generated by H0098416 (David J
	0	0	12.33	**Decision Management Tool Version 4.0.0**
9781	0	0	5730	241-C-103
	48	5	74999	
	48	5	100.1	241-C-106
	0.1	0.1	5.2713	
	3.1	2	805000	241-C-109
	16.1	5	28.149	
	100	5	16.13	241-C-112
	100	5	20300	
	600	5	1530000	241-C-301
10461	0	0	211097	
	1	1	1.01736	
	1	1	14.1	**Major Assumptions Used:**
	1	1	246000	Dilution factor for WMA-C: 40
	1	1	2.7299	Compliance Monitoring Start Year :2001
12032	0.2	0.2	15700000	
	25	5	2.0619	
	25	5	29.999	
	1	1	89.997	Verified by John Middleton 6/15/05
	1	1	13.33	
	1	1	8.5919	
	1	1	4.68	
	1	1	1600	
	1	1	5.7498	
	67	5	21.769	
	3	2	1.9129	
	3	2	7340	
	3	2	75380	
	3	2	14050000000	
	550	5	32759	
	0.6	0.6	69.799	
	0.6	0.6	159198	
	0.6	0.6	245694	
	0.6	0.6	703700000	
	0.6	0.6	23420000	
	0.6	0.6	4468000000	
	2	2	2140000	
	3	2	87.697	
	3	2	24110	
	3	2	6563	
	3	2	14.35	
	3	2	373507	
	3	2	432.7	
	3	2	7370	
	3	2	0.44611	
	3	2	28.499	
	3	2	18.1	

	1	1	Infinity
10481	0.00093	0	Infinity
	1	1	Infinity
	39	5	Infinity
	60	5	Infinity
	70	5	Infinity
10481		0	Infinity
	3	2	Infinity
10481		0	Infinity
	1.26	1	Infinity
	4	5	Infinity
10481		0	Infinity
10481		0	Infinity
10481	0	0	Infinity
12032	0.1	0.1	Infinity
	35	5	Infinity
	9.9	5	Infinity
	50	5	Infinity
10481		0	Infinity
10481		0	Infinity
10481		0	Infinity
	25	5	Infinity
10481		0	Infinity
	5.2	5	Infinity
	300	5	Infinity
	4.5	5	Infinity
	1	1	Infinity
	5.2	5	Infinity
	4	5	Infinity
10481		0	Infinity
	48	5	Infinity
10481	0	0	Infinity
10481	0	0	Infinity
10481		0	Infinity
10481		0	Infinity
10481		0	Infinity
10481		0	Infinity
10481		0	Infinity
	1	1	Infinity
	1	1	Infinity
	5	5	Infinity
	30	5	Infinity
	2.7	2	Infinity
10481		0	Infinity
	16.1	5	Infinity
10481		0	Infinity
10481		0	Infinity
10481		0	Infinity
10481		0	Infinity
	71	5	Infinity
	1	1	Infinity
	250	5	Infinity

	1000	5	Infinity
10481		0	Infinity
	0.6	0.6	Infinity
	50	5	Infinity
10481		0	Infinity
	62	5	Infinity
	500	5	Infinity
12032	0.0405	0.02	Infinity
12032	0.0237	0.02	Infinity
12032	0.386474866	0.2	Infinity
12032	0.0225	0.02	Infinity
12032	0.0282	0.02	Infinity
12032	0.019369627	0.02	Infinity
	0.4977	0.6	Infinity
12032	0.0114	0.02	Infinity
12032	0.1848	0.2	Infinity
12032	0.357	0.2	Infinity
12032	0.114	0.1	Infinity
12032	0.1092	0.1	Infinity
10481	0.00135	0	Infinity
10481	0.0003	0	Infinity
10481	0.0003	0	Infinity
12032	0.1329	0.1	Infinity
10481	0.00747	0	Infinity
10481	0.0001725	0	Infinity
12032	0.0402	0.02	Infinity
	1.167	1	Infinity
10481	0.0003	0	Infinity
12032	0.0186	0.02	Infinity
	4.141152795	5	Infinity
12032	0.01371	0.02	Infinity
12032	0.0138	0.02	Infinity
12032	0.0672	0.1	Infinity
10481	0.00558	0	Infinity
12032	0.012	0.02	Infinity
12032	0.1329	0.1	Infinity
10481	0.001648623	0	Infinity
10481	0.003	0	Infinity
10481	0.00132	0	Infinity
	1.893	2	Infinity
	24900	5	Infinity
10481	0.001574422	0	Infinity
12032	0.06	0.02	Infinity
	14.69336458	5	Infinity
10481		0	Infinity
	16.11	5	Infinity
	5.1	5	Infinity
10481	0.00063	0	Infinity
12032	0.1302	0.1	Infinity
	0.6	0.6	Infinity
10481	0.002076	0	Infinity
12032	0.01938	0.02	Infinity

10481	0.0072	0	Infinity
12032	0.1137	0.1	Infinity
12032	0.0945	0.1	Infinity
12032	0.0723	0.1	Infinity
12032	0.2154	0.2	Infinity
12032	0.177	0.2	Infinity
10481	0.00864	0	Infinity
	20.82	5	Infinity
10481	0.0015	0	Infinity
12032	0.081	0.1	Infinity
12032	0.042	0.02	Infinity
12032	0.02424	0.02	Infinity
12032	0.0279	0.02	Infinity
12032	0.0588	0.02	Infinity
	22.68	5	Infinity

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TanksCFarm_Jan01_HTWOS.txt	case02.stp
TanksCFarm_Jan01_HTWOS.txt	case02.stp
TanksCFarm_Jan01_HTWOS.txt	case02.stp
TanksCFarm_Jan01_HTWOS.txt	case02.stp
TanksCFarm_MUST.txt	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	2.80E-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	1.25E-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	1.44E-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	2.85E-06	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	1.54E-06	10481		0
16887-00-6	Chloride	2.04E-05	10481		0
18540-29-9	Chromium	1.71E-04	10481	0	0
7440-48-4	Cobalt	4.84E-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	4.93E-05	10481		0
OHDEMAND	Hydroxide OH	2.81E-03	10481		0
7439-89-6	Iron	0		25	5
7439-92-1	Lead	0		5.2	5
7439-93-2	Lithium	0		300	5
7439-95-4	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	4.00E-07	10481		0
7440-02-0	Nickel	0		48	5
14797-55-8	Nitrate	1.46E-03	10481	0	0
14797-65-0	Nitrite	3.50E-04	10481	0	0
338-70-5	Oxalate	4.41E-04	10481		0
14265-44-2	Phosphate	5.64E-04	10481		0
7440-10-0	Praseodymium	2.42E-06	10481		0
7440-16-6	Rhodium	5.68E-07	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	2.30E-03	10481		0
7440-24-6	Strontium	0		16.1	5
14808-79-8	Sulfate	6.86E-05	10481		0
7440-25-7	Tantalum	4.05E-07	10481		0
13494-80-9	Tellurium	4.37E-07	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	1.45E-05	10481		0
7440-61-1	Uranium	0		0.6	0.6
7440-62-2	Vanadium	0		50	5
7440-65-5	Yttrium	3.25E-08	10481		0
7440-66-6	Zinc	0		62	5
7440-67-7	Zirconium	0		500	5

Half-Life

Years	
	Report Generated on: 5/25/2005, 12:37:13 PM
	Report Generated by H0098416 (David J. Watson)
12.33	**Decision Management Tool Version 4.0.0.37**
5730	241-C-201 TanksCFarm_Jan01_HTWOS.txt case02.stp
74999	
100.1	241-C-202 TanksCFarm_Jan01_HTWOS.txt case02.stp
5.2713	
805000	241-C-203 TanksCFarm_Jan01_HTWOS.txt case02.stp
28.149	
16.13	241-C-204 TanksCFarm_Jan01_HTWOS.txt case02.stp
1530000	
211097	
1.01736	**Major Assumptions Used:**
14.1	Dilution factor for WMA-C: 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	
7370	
0.44611	
28.499	
18.1	
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