Row Name	Sources Included
T-101 Row	241-T-101 Leak 241-T-103 Leak
T-104 Row	241-T-106 Leak
T-107 Row	241-T-108 Leak 241-T-109 Leak
T-110 Row	241-T-111 Leak

CAS Number	Analyte Name	Concentration	Peak Year	Kd
		pCi/L (Rad) or mg/L (Non-rad)		
3H	Tritium	5.83E+03	2040	0
14C	Carbon-14	5.35E+02	2043	0
59Ni	Nickel-59	0		48
63Ni	Nickel-63	0		48
60Co	Cobalt-60	5.29E-03	2054	0.1
79Se	Selenium-79	0		3.1
90Sr	Strontium-90 + D	0		16.1
93mNb	Niobium-93m	0		100
99Tc	Technetium-99	2.80E+03	2043	0
106Ru	Ruthenium-106	0		1
113mCd	Cadmium-113m	0		1
126Sn	Tin-126	4.24E-08	12032	1
125Sb	Antimony-125	0		1
129I	Iodine-129	1.33E-02	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	1.39E-14	12032	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	5.02E-07	12032	0.6
234U	Uranium-234	1.26E-05	12032	0.6
235U	Uranium-235 + D	5.18E-07	12032	0.6
236U	Uranium-236	3.19E-07	12032	0.6
238U	Uranium-238 + D	1.07E-05	12032	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	1.18E-08	12032	1
7664-41-7	Ammonia -- (a)	1.94E-02	2043	0.00093
7440-69-9	Bismuth	1.56E-06	2043	
7440-70-2	Calcium	0		4

16887-00-6	Chloride	3.03E-01	2043	
18540-29-9	Chromium	1.16E-01	2043	0
16984-48-8	Fluoride	1.10E-04	2043	
7439-89-6	Iron	0		25
7439-92-1	Lead	0		5.2
7439-96-5	Manganese	1.14E-12	12032	1
7439-97-6	Mercury	0		5.2
7440-02-0	Nickel	0		48
14797-55-8	Nitrate	1.98E+01	2043	0
14797-65-0	Nitrite	1.34E+01	2043	0
14265-44-2	Phosphate	1.32E-03	2043	
7440-21-3	Silicon	0		30
7440-22-4	Silver	0		2.7
7440-23-5	Sodium	2.35E+01	2043	
14808-79-8	Sulfate	3.32E-01	2043	
7440-61-1	Uranium	3.21E-08	12032	0.6
7440-67-7	Zirconium	0		500
71-36-3	n-Butyl alcohol (1-butanol)	1.73E-03	2043	0.002076

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
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
0	Infinity
5	Infinity

Report Generated on: 5/25/2005, 2:13:43 PM
Report Generated by H0098416 (David J. Watson)
Decision Management Tool Version 4.0.0.37
241-T-101 TanksPastLeaks_T.txt case01.stp

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

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

CAS Number	Analyte Name	Concentration	Peak Year	Kd
		pCi/L (Rad) or mg/L (Non-rad)		
3H	Tritium	3.74E+02	2040	0
14C	Carbon-14	2.36E+02	2043	0
59Ni	Nickel-59	0		48
63Ni	Nickel-63	0		48
60Co	Cobalt-60	1.96E-03	2054	0.1
79Se	Selenium-79	0		3.1
90Sr	Strontium-90 + D	0		16.1
93mNb	Niobium-93m	0		100
99Tc	Technetium-99	8.64E+03	2043	0
106Ru	Ruthenium-106	0		1
113mCd	Cadmium-113m	0		1
126Sn	Tin-126	1.55E-07	12032	1
125Sb	Antimony-125	0		1
129I	Iodine-129	2.02E-02	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	2.42E-14	12032	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	4.75E-06	12032	0.6
234U	Uranium-234	3.55E-06	12032	0.6
235U	Uranium-235 + D	1.51E-07	12032	0.6
236U	Uranium-236	9.95E-08	12032	0.6
238U	Uranium-238 + D	3.34E-06	12032	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	1.67E-09	12032	1
7664-41-7	Ammonia -- (a)	2.81E-02	2043	0.00093
7440-69-9	Bismuth	6.29E-05	2043	
7440-70-2	Calcium	0		4

16887-00-6	Chloride	2.21E-01	2043	
18540-29-9	Chromium	1.14E-01	2043	0
16984-48-8	Fluoride	2.11E-03	2043	
7439-89-6	Iron	0		25
7439-91-0	Lanthanum	1.69E-12	2043	
7439-92-1	Lead	0		5.2
7439-96-5	Manganese	1.62E-12	12032	1
7439-97-6	Mercury	0		5.2
7440-02-0	Nickel	0		48
14797-55-8	Nitrate	6.68E+00	2043	0
14797-65-0	Nitrite	3.15E+00	2043	0
14265-44-2	Phosphate	4.87E-02	2043	
7440-21-3	Silicon	0		30
7440-22-4	Silver	0		2.7
7440-23-5	Sodium	8.53E+00	2043	
14808-79-8	Sulfate	5.97E-01	2043	
7440-61-1	Uranium	1.00E-08	12032	0.6
7440-67-7	Zirconium	0		500
71-36-3	n-Butyl alcohol (1-butanol)	6.07E-04	2043	0.002076

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
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
0	Infinity
5	Infinity

Report Generated on: 5/25/2005, 2:13:52 PM
Report Generated by H0098416 (David J. Watson)
Decision Management Tool Version 4.0.0.37
241-T-103 TanksPastLeaks_T.txt case01.stp

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

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

CAS Number	Analyte Name	Concentration	Peak Year	Kd
		pCi/L (Rad) or mg/L (Non-rad)		
3H	Tritium	1.47E+04	2040	0
14C	Carbon-14	9.66E+03	2043	0
59Ni	Nickel-59	0		48
63Ni	Nickel-63	0		48
60Co	Cobalt-60	7.71E-02	2054	0.1
79Se	Selenium-79	0		3.1
90Sr	Strontium-90 + D	0		16.1
93mNb	Niobium-93m	0		100
99Tc	Technetium-99	3.44E+05	2043	0
106Ru	Ruthenium-106	0		1
113mCd	Cadmium-113m	0		1
126Sn	Tin-126	6.20E-06	12032	1
125Sb	Antimony-125	0		1
129I	Iodine-129	7.02E-01	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	9.83E-13	12032	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	1.37E-04	12032	0.6
234U	Uranium-234	1.42E-04	12032	0.6
235U	Uranium-235 + D	6.07E-06	12032	0.6
236U	Uranium-236	4.00E-06	12032	0.6
238U	Uranium-238 + D	1.33E-04	12032	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	6.46E-08	12032	1
7664-41-7	Ammonia -- (a)	1.40E+00	2043	0.00093
7440-69-9	Bismuth	5.06E-03	2043	
7440-70-2	Calcium	0		4

16887-00-6	Chloride	8.93E+00	2043	
18540-29-9	Chromium	4.64E+00	2043	0
16984-48-8	Fluoride	2.87E-01	2043	
7439-89-6	Iron	0		25
7439-91-0	Lanthanum	3.79E-11	2043	
7439-92-1	Lead	0		5.2
7439-96-5	Manganese	6.64E-11	12032	1
7439-97-6	Mercury	0		5.2
7440-02-0	Nickel	0		48
14797-55-8	Nitrate	2.72E+02	2043	0
14797-65-0	Nitrite	1.23E+02	2043	0
14265-44-2	Phosphate	2.22E+00	2043	
7440-21-3	Silicon	0		30
7440-22-4	Silver	0		2.7
7440-23-5	Sodium	3.42E+02	2043	
14808-79-8	Sulfate	2.43E+01	2043	
7440-61-1	Uranium	4.00E-07	12032	0.6
7440-67-7	Zirconium	0		500
71-36-3	n-Butyl alcohol (1-butanol)	3.19E-02	2043	0.002076

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
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
0	Infinity
5	Infinity

Report Generated on: 5/25/2005, 2:14:11 PM
Report Generated by H0098416 (David J. Watson)
Decision Management Tool Version 4.0.0.37
241-T-106 TanksPastLeaks_T.txt case01.stp

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

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

CAS Number	Analyte Name	Concentration	Peak Year	Kd
		pCi/L (Rad) or mg/L (Non-rad)		
3H	Tritium	1.75E+01	2040	0
14C	Carbon-14	9.37E+00	2043	0
59Ni	Nickel-59	0		48
63Ni	Nickel-63	0		48
60Co	Cobalt-60	1.20E-05	2054	0.1
79Se	Selenium-79	0		3.1
90Sr	Strontium-90 + D	0		16.1
93mNb	Niobium-93m	0		100
99Tc	Technetium-99	1.14E+02	2043	0
106Ru	Ruthenium-106	0		1
113mCd	Cadmium-113m	0		1
126Sn	Tin-126	1.97E-09	12032	1
125Sb	Antimony-125	0		1
129I	Iodine-129	4.87E-04	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	3.44E-14	12032	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	1.47E-12	12032	0.6
234U	Uranium-234	1.26E-06	12032	0.6
235U	Uranium-235 + D	5.76E-08	12032	0.6
236U	Uranium-236	1.67E-08	12032	0.6
238U	Uranium-238 + D	1.32E-06	12032	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	2.50E-11	12032	1
7664-41-7	Ammonia -- (a)	4.96E-02	2043	0.00093
7440-69-9	Bismuth	3.14E-03	2043	
7440-70-2	Calcium	0		4

16887-00-6	Chloride	1.46E-01	2043	
18540-29-9	Chromium	1.53E-02	2043	0
16984-48-8	Fluoride	1.12E-01	2043	
7439-89-6	Iron	0		25
7439-96-5	Manganese	0		1
7439-97-6	Mercury	0		5.2
7440-02-0	Nickel	0		48
14797-55-8	Nitrate	7.41E+00	2043	0
14797-65-0	Nitrite	2.91E-01	2043	0
14265-44-2	Phosphate	2.34E-01	2043	
7440-21-3	Silicon	0		30
7440-22-4	Silver	0		2.7
7440-23-5	Sodium	3.84E+00	2043	
14808-79-8	Sulfate	4.13E-01	2043	
7440-61-1	Uranium	3.97E-09	12032	0.6
7440-67-7	Zirconium	0		500
71-36-3	n-Butyl alcohol (1-butanol)	2.12E-05	2043	0.002076

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
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
0	Infinity
5	Infinity

Report Generated on: 5/25/2005, 2:14:27 PM
Report Generated by H0098416 (David J. Watson)
Decision Management Tool Version 4.0.0.37
241-T-108 TanksPastLeaks_T.txt case01.stp

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

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

CAS Number	Analyte Name	Concentration	Peak Year	Kd
		pCi/L (Rad) or mg/L (Non-rad)		
3H	Tritium	7.49E+01	2040	0
14C	Carbon-14	7.99E+01	2043	0
59Ni	Nickel-59	0		48
63Ni	Nickel-63	0		48
60Co	Cobalt-60	5.90E-04	2054	0.1
79Se	Selenium-79	0		3.1
90Sr	Strontium-90 + D	0		16.1
93mNb	Niobium-93m	0		100
99Tc	Technetium-99	2.82E+03	2043	0
106Ru	Ruthenium-106	0		1
113mCd	Cadmium-113m	0		1
126Sn	Tin-126	5.08E-08	12032	1
125Sb	Antimony-125	0		1
129I	Iodine-129	6.77E-03	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	1.57E-14	12032	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	1.87E-06	12032	0.6
234U	Uranium-234	1.13E-06	12032	0.6
235U	Uranium-235 + D	4.89E-08	12032	0.6
236U	Uranium-236	2.81E-08	12032	0.6
238U	Uranium-238 + D	1.10E-06	12032	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	4.96E-10	12032	1
7664-41-7	Ammonia -- (a)	2.15E-02	2043	0.00093
7440-69-9	Bismuth	7.26E-04	2043	
7440-70-2	Calcium	0		4

16887-00-6	Chloride	9.99E-02	2043	
18540-29-9	Chromium	3.90E-02	2043	0
16984-48-8	Fluoride	2.68E-02	2043	
7439-89-6	Iron	0		25
7439-91-0	Lanthanum	2.86E-12	2043	
7439-92-1	Lead	0		5.2
7439-96-5	Manganese	5.52E-13	12032	1
7439-97-6	Mercury	0		5.2
7440-02-0	Nickel	0		48
14797-55-8	Nitrate	3.38E+00	2043	0
14797-65-0	Nitrite	1.01E+00	2043	0
14265-44-2	Phosphate	7.04E-02	2043	
7440-21-3	Silicon	0		30
7440-22-4	Silver	0		2.7
7440-23-5	Sodium	3.28E+00	2043	
14808-79-8	Sulfate	2.63E-01	2043	
7440-61-1	Uranium	3.29E-09	12032	0.6
7440-67-7	Zirconium	0		500
71-36-3	n-Butyl alcohol (1-butanol)	2.39E-03	2043	0.002076

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
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
0	Infinity
5	Infinity

Report Generated on: 5/25/2005, 2:14:33 PM
Report Generated by H0098416 (David J. Watson)
Decision Management Tool Version 4.0.0.37
241-T-109 TanksPastLeaks_T.txt case01.stp

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

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

CAS Number	Analyte Name	Concentration	Peak Year	Kd
		pCi/L (Rad) or mg/L (Non-rad)		
3H	Tritium	4.13E-03	2040	0
14C	Carbon-14	1.25E-01	2043	0
59Ni	Nickel-59	0		48
63Ni	Nickel-63	0		48
60Co	Cobalt-60	1.34E-07	2054	0.1
79Se	Selenium-79	0		3.1
90Sr	Strontium-90 + D	0		16.1
93mNb	Niobium-93m	0		100
99Tc	Technetium-99	6.81E-02	2043	0
106Ru	Ruthenium-106	0		1
113mCd	Cadmium-113m	0		1
126Sn	Tin-126	3.06E-11	12032	1
125Sb	Antimony-125	0		1
129I	Iodine-129	3.51E-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	3.83E-16	12032	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	3.19E-13	12032	0.6
234U	Uranium-234	1.29E-07	12032	0.6
235U	Uranium-235 + D	5.89E-09	12032	0.6
236U	Uranium-236	1.82E-09	12032	0.6
238U	Uranium-238 + D	1.36E-07	12032	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
7664-41-7	Ammonia -- (a)	1.12E-10	2043	0.00093
7440-69-9	Bismuth	1.32E-03	2043	
7440-70-2	Calcium	0		4
16887-00-6	Chloride	1.58E-02	2043	

18540-29-9	Chromium	5.49E-03	2043	0
16984-48-8	Fluoride	5.97E-02	2043	
7439-89-6	Iron	0		25
7439-91-0	Lanthanum	2.19E-15	2043	
7439-96-5	Manganese	1.84E-16	12032	1
7440-02-0	Nickel	0		48
14797-55-8	Nitrate	1.10E+00	2043	0
14797-65-0	Nitrite	7.03E-05	2043	0
14265-44-2	Phosphate	9.23E-02	2043	
7440-21-3	Silicon	0		30
7440-22-4	Silver	0		2.7
7440-23-5	Sodium	6.15E-01	2043	
14808-79-8	Sulfate	6.82E-02	2043	
7440-61-1	Uranium	4.07E-10	12032	0.6

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
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
0	Infinity
0	Infinity
5	Infinity
0	Infinity

Report Generated on: 5/25/2005, 2:14:47 PM
Report Generated by H0098416 (David J. Watson)
Decision Management Tool Version 4.0.0.37
241-T-111 TanksPastLeaks_T.txt case01.stp

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

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

CAS Number	Analyte Name	Concentration	Peak Year	Kd
		pCi/L (Rad) or mg/L (Non-rad)		
3H	Tritium	6.21E+03	2040	0
14C	Carbon-14	7.71E+02	2043	0
59Ni	Nickel-59	0		48
63Ni	Nickel-63	0		48
60Co	Cobalt-60	7.24E-03	2054	0.1
79Se	Selenium-79	0		3.1
90Sr	Strontium-90 + D	0		16.1
93mNb	Niobium-93m	0		100
99Tc	Technetium-99	1.14E+04	2043	0
106Ru	Ruthenium-106	0		1
113mCd	Cadmium-113m	0		1
126Sn	Tin-126	1.98E-07	12032	1
125Sb	Antimony-125	0		1
129I	Iodine-129	3.36E-02	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	3.81E-14	12032	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	5.25E-06	12032	0.6
234U	Uranium-234	1.61E-05	12032	0.6
235U	Uranium-235 + D	6.69E-07	12032	0.6
236U	Uranium-236	4.18E-07	12032	0.6
238U	Uranium-238 + D	1.40E-05	12032	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	1.35E-08	12032	1
7664-41-7	Ammonia -- (a)	4.76E-02	2043	0.00093
7440-69-9	Bismuth	6.44E-05	2043	
7440-70-2	Calcium	0		4

16887-00-6	Chloride	5.24E-01	2043	
18540-29-9	Chromium	2.30E-01	2043	0
16984-48-8	Fluoride	2.22E-03	2043	
7439-89-6	Iron	0		25
7439-91-0	Lanthanum	1.69E-12	2043	
7439-92-1	Lead	0		5.2
7439-96-5	Manganese	2.76E-12	12032	1
7439-97-6	Mercury	0		5.2
7440-02-0	Nickel	0		48
14797-55-8	Nitrate	2.65E+01	2043	0
14797-65-0	Nitrite	1.66E+01	2043	0
14265-44-2	Phosphate	5.00E-02	2043	
7440-21-3	Silicon	0		30
7440-22-4	Silver	0		2.7
7440-23-5	Sodium	3.20E+01	2043	
14808-79-8	Sulfate	9.29E-01	2043	
7440-61-1	Uranium	4.21E-08	12032	0.6
7440-67-7	Zirconium	0		500
71-36-3	n-Butyl alcohol (1-butanol)	2.33E-03	2043	0.002076

Kd Bin	Half-Life	
	Years	**Report Generated on: 5/25/2005, 2:16:42 PM**
		Report Generated by H0098416 (David J. Watson)
0	12.33	**Decision Management Tool Version 4.0.0.37**
0	5730	241-T-101 TanksPastLeaks_T.txt case01.stp
5	74999	
5	100.1	241-T-103 TanksPastLeaks_T.txt case01.stp
0.1	5.2713	
2	805000	
5	28.149	**Major Assumptions Used:**
5	16.13	Dilution factor for WMA-T: 40
0	211097	Compliance Monitoring Start Year :2001
1	1.01736	
1	14.1	
1	246000	
1	2.7299	Verified by John Middleton 6/15/05
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	
0	Infinity	
5	Infinity	

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

CAS Number	Analyte Name	Concentration	Peak Year	Kd
		pCi/L (Rad) or mg/L (Non-rad)		
3H	Tritium	1.47E+04	2040	0
14C	Carbon-14	9.66E+03	2043	0
59Ni	Nickel-59	0		48
63Ni	Nickel-63	0		48
60Co	Cobalt-60	7.71E-02	2054	0.1
79Se	Selenium-79	0		3.1
90Sr	Strontium-90 + D	0		16.1
93mNb	Niobium-93m	0		100
99Tc	Technetium-99	3.44E+05	2043	0
106Ru	Ruthenium-106	0		1
113mCd	Cadmium-113m	0		1
126Sn	Tin-126	6.20E-06	12032	1
125Sb	Antimony-125	0		1
129I	Iodine-129	7.02E-01	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	9.83E-13	12032	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	1.37E-04	12032	0.6
234U	Uranium-234	1.42E-04	12032	0.6
235U	Uranium-235 + D	6.07E-06	12032	0.6
236U	Uranium-236	4.00E-06	12032	0.6
238U	Uranium-238 + D	1.33E-04	12032	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	6.46E-08	12032	1
7664-41-7	Ammonia -- (a)	1.40E+00	2043	0.00093
7440-69-9	Bismuth	5.06E-03	2043	
7440-70-2	Calcium	0		4

16887-00-6	Chloride	8.93E+00	2043	
18540-29-9	Chromium	4.64E+00	2043	0
16984-48-8	Fluoride	2.87E-01	2043	
7439-89-6	Iron	0		25
7439-91-0	Lanthanum	3.79E-11	2043	
7439-92-1	Lead	0		5.2
7439-96-5	Manganese	6.64E-11	12032	1
7439-97-6	Mercury	0		5.2
7440-02-0	Nickel	0		48
14797-55-8	Nitrate	2.72E+02	2043	0
14797-65-0	Nitrite	1.23E+02	2043	0
14265-44-2	Phosphate	2.22E+00	2043	
7440-21-3	Silicon	0		30
7440-22-4	Silver	0		2.7
7440-23-5	Sodium	3.42E+02	2043	
14808-79-8	Sulfate	2.43E+01	2043	
7440-61-1	Uranium	4.00E-07	12032	0.6
7440-67-7	Zirconium	0		500
71-36-3	n-Butyl alcohol (1-butanol)	3.19E-02	2043	0.002076

Kd Bin	Half-Life	
	Years	**Report Generated on: 5/25/2005, 2:16:57 PM**
		Report Generated by H0098416 (David J. Watson)
0	12.33	**Decision Management Tool Version 4.0.0.37**
0	5730	241-T-106 TanksPastLeaks_T.txt case01.stp
5	74999	
5	100.1	
0.1	5.2713	**Major Assumptions Used:**
2	805000	Dilution factor for WMA-T: 40
5	28.149	Compliance Monitoring Start Year :2001
5	16.13	
0	211097	
1	1.01736	
1	14.1	Verified by John Middleton 6/15/05
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	
0	Infinity	
5	Infinity	

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

CAS Number	Analyte Name	Concentration	Peak Year	Kd
		pCi/L (Rad) or mg/L (Non-rad)		
3H	Tritium	9.24E+01	2040	0
14C	Carbon-14	8.93E+01	2043	0
59Ni	Nickel-59	0		48
63Ni	Nickel-63	0		48
60Co	Cobalt-60	6.02E-04	2054	0.1
79Se	Selenium-79	0		3.1
90Sr	Strontium-90 + D	0		16.1
93mNb	Niobium-93m	0		100
99Tc	Technetium-99	2.93E+03	2043	0
106Ru	Ruthenium-106	0		1
113mCd	Cadmium-113m	0		1
126Sn	Tin-126	5.28E-08	12032	1
125Sb	Antimony-125	0		1
129I	Iodine-129	7.25E-03	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	5.00E-14	12032	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	1.87E-06	12032	0.6
234U	Uranium-234	2.39E-06	12032	0.6
235U	Uranium-235 + D	1.07E-07	12032	0.6
236U	Uranium-236	4.49E-08	12032	0.6
238U	Uranium-238 + D	2.42E-06	12032	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	5.21E-10	12032	1
7664-41-7	Ammonia -- (a)	7.11E-02	2043	0.00093
7440-69-9	Bismuth	3.86E-03	2043	
7440-70-2	Calcium	0		4

16887-00-6	Chloride	2.46E-01	2043	
18540-29-9	Chromium	5.43E-02	2043	0
16984-48-8	Fluoride	1.39E-01	2043	
7439-89-6	Iron	0		25
7439-91-0	Lanthanum	2.86E-12	2043	
7439-92-1	Lead	0		5.2
7439-96-5	Manganese	5.52E-13	12032	1
7439-97-6	Mercury	0		5.2
7440-02-0	Nickel	0		48
14797-55-8	Nitrate	1.08E+01	2043	0
14797-65-0	Nitrite	1.30E+00	2043	0
14265-44-2	Phosphate	3.04E-01	2043	
7440-21-3	Silicon	0		30
7440-22-4	Silver	0		2.7
7440-23-5	Sodium	7.12E+00	2043	
14808-79-8	Sulfate	6.76E-01	2043	
7440-61-1	Uranium	7.26E-09	12032	0.6
7440-67-7	Zirconium	0		500
71-36-3	n-Butyl alcohol (1-butanol)	2.41E-03	2043	0.002076

Kd Bin	Half-Life	
	Years	**Report Generated on: 5/25/2005, 2:17:16 PM**
		Report Generated by H0098416 (David J. Watson)
0	12.33	**Decision Management Tool Version 4.0.0.37**
0	5730	241-T-108 TanksPastLeaks_T.txt case01.stp
5	74999	
5	100.1	241-T-109 TanksPastLeaks_T.txt case01.stp
0.1	5.2713	
2	805000	
5	28.149	**Major Assumptions Used:**
5	16.13	Dilution factor for WMA-T: 40
0	211097	Compliance Monitoring Start Year :2001
1	1.01736	
1	14.1	
1	246000	
1	2.7299	Verified by John Middleton 6/15/05
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	
0	Infinity	
5	Infinity	

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

CAS Number	Analyte Name	Concentration	Peak Year	Kd
		pCi/L (Rad) or mg/L (Non-rad)		
3H	Tritium	4.13E-03	2040	0
14C	Carbon-14	1.25E-01	2043	0
59Ni	Nickel-59	0		48
63Ni	Nickel-63	0		48
60Co	Cobalt-60	1.34E-07	2054	0.1
79Se	Selenium-79	0		3.1
90Sr	Strontium-90 + D	0		16.1
93mNb	Niobium-93m	0		100
99Tc	Technetium-99	6.81E-02	2043	0
106Ru	Ruthenium-106	0		1
113mCd	Cadmium-113m	0		1
126Sn	Tin-126	3.06E-11	12032	1
125Sb	Antimony-125	0		1
129I	Iodine-129	3.51E-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	3.83E-16	12032	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	3.19E-13	12032	0.6
234U	Uranium-234	1.29E-07	12032	0.6
235U	Uranium-235 + D	5.89E-09	12032	0.6
236U	Uranium-236	1.82E-09	12032	0.6
238U	Uranium-238 + D	1.36E-07	12032	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
7664-41-7	Ammonia -- (a)	1.12E-10	2043	0.00093
7440-69-9	Bismuth	1.32E-03	2043	
7440-70-2	Calcium	0		4
16887-00-6	Chloride	1.58E-02	2043	

18540-29-9	Chromium	5.49E-03	2043	0
16984-48-8	Fluoride	5.97E-02	2043	
7439-89-6	Iron	0		25
7439-91-0	Lanthanum	2.19E-15	2043	
7439-96-5	Manganese	1.84E-16	12032	1
7440-02-0	Nickel	0		48
14797-55-8	Nitrate	1.10E+00	2043	0
14797-65-0	Nitrite	7.03E-05	2043	0
14265-44-2	Phosphate	9.23E-02	2043	
7440-21-3	Silicon	0		30
7440-22-4	Silver	0		2.7
7440-23-5	Sodium	6.15E-01	2043	
14808-79-8	Sulfate	6.82E-02	2043	
7440-61-1	Uranium	4.07E-10	12032	0.6

Kd Bin	Half-Life	
	Years	**Report Generated on: 5/25/2005, 2:17:37 PM**
		Report Generated by H0098416 (David J. Watson)
0	12.33	**Decision Management Tool Version 4.0.0.37**
0	5730	241-T-111 TanksPastLeaks_T.txt case01.stp
5	74999	
5	100.1	
0.1	5.2713	**Major Assumptions Used:**
2	805000	Dilution factor for WMA-T: 40
5	28.149	Compliance Monitoring Start Year :2001
5	16.13	
0	211097	
1	1.01736	
1	14.1	Verified by John Middleton 6/15/05
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	
0	Infinity	
0	Infinity	
5	Infinity	
0	Infinity	

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