Row Name	Sources Included
S-101Row	None
S-104 Row	241-S-104 Leak
S-107 Row	None
S-110 Row	None
SX-101 Row	None
SX-104 Row	241-SX-104 Leak
SX-107 Row	241-SX-107 Leak 241-SX-108 Leak 241-SX-109 Leak
SX-110 Row	241-SX-110 Leak 241-SX-111 Leak 241-SX-112 Leak
SX-113 Row	241-SX-113 Leak 241-SX-115 Leak

CAS Number	Analyte Name	Concentration	Peak Year	Kd
		pCi/L (Rad) or mg/L (Non-rad)		
3H	Tritium	2.43E+04	2040	0
14C	Carbon-14	1.59E+03	2043	0
59Ni	Nickel-59	0		48
63Ni	Nickel-63	0		48
60Co	Cobalt-60	2.33E-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	3.64E+02	2043	0
106Ru	Ruthenium-106	0		1
113mCd	Cadmium-113m	0		1
126Sn	Tin-126	4.73E-09	12032	1
125Sb	Antimony-125	0		1
129I	Iodine-129	1.59E-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	1.86E-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	7.50E-11	12032	0.6
234U	Uranium-234	4.41E-05	12032	0.6
235U	Uranium-235 + D	1.72E-06	12032	0.6
236U	Uranium-236	1.27E-06	12032	0.6
238U	Uranium-238 + D	3.16E-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	2.04E-08	12032	1
7664-41-7	Ammonia -- (a)	6.32E-04	2043	0.00093
7440-70-2	Calcium	0		4
16887-00-6	Chloride	4.80E-01	2043	

18540-29-9	Chromium	1.33E-01	2043	0
7439-89-6	Iron	0		25
7439-92-1	Lead	0		5.2
7440-02-0	Nickel	0		48
14797-55-8	Nitrate	4.60E+01	2043	0
14797-65-0	Nitrite	1.11E+01	2043	0
7440-22-4	Silver	0		2.7
7440-23-5	Sodium	3.51E+01	2043	
14808-79-8	Sulfate	4.91E-01	2043	
7440-61-1	Uranium	9.50E-08	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
1	Infinity
0	Infinity
5	Infinity
0	Infinity

Report Generated on: 5/25/2005, 1:09:18 PM
Report Generated by H0098416 (David J. Watson)
Decision Management Tool Version 4.0.0.37
241-S-104 TanksPastLeaks_S.txt case01.stp

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

0	Infinity
5	Infinity
5	Infinity
5	Infinity
0	Infinity
0	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	5.89E+02	2040	0
14C	Carbon-14	1.34E+03	2043	0
59Ni	Nickel-59	0		48
63Ni	Nickel-63	0		48
60Co	Cobalt-60	5.49E-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	4.15E+04	2043	0
106Ru	Ruthenium-106	0		1
113mCd	Cadmium-113m	0		1
126Sn	Tin-126	7.26E-07	12032	1
125Sb	Antimony-125	0		1
129I	Iodine-129	1.25E-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	2.03E-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	1.41E-05	12032	0.6
234U	Uranium-234	7.80E-06	12032	0.6
235U	Uranium-235 + D	3.35E-07	12032	0.6
236U	Uranium-236	1.96E-07	12032	0.6
238U	Uranium-238 + D	7.51E-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	1.34E-08	12032	1
7664-41-7	Ammonia -- (a)	3.37E-01	2043	0.00093
7440-69-9	Bismuth	8.12E-03	2043	
7440-70-2	Calcium	0		4

16887-00-6	Chloride	1.98E+00	2043	
18540-29-9	Chromium	5.68E-01	2043	0
16984-48-8	Fluoride	3.33E-01	2043	
7439-89-6	Iron	0		25
7439-91-0	Lanthanum	2.45E-07	2043	
7439-92-1	Lead	0		5.2
7439-96-5	Manganese	8.63E-12	12032	1
7439-97-6	Mercury	0		5.2
7440-02-0	Nickel	0		48
14797-55-8	Nitrate	4.28E+01	2043	0
14797-65-0	Nitrite	2.26E+01	2043	0
14265-44-2	Phosphate	1.02E+00	2043	
7440-21-3	Silicon	0		30
7440-22-4	Silver	0		2.7
7440-23-5	Sodium	5.92E+01	2043	
14808-79-8	Sulfate	2.35E+00	2043	
7440-61-1	Uranium	2.25E-08	12032	0.6
7440-67-7	Zirconium	0		500
71-36-3	n-Butyl alcohol (1-butanol)	2.22E-01	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, 1:09:40 PM
Report Generated by H0098416 (David J. Watson)
Decision Management Tool Version 4.0.0.37
241-SX-104 TanksPastLeaks_SX.txt case01.stp

Major Assumptions Used:
Dilution factor for WMA-SX: 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	4.01E+03	2040	0
14C	Carbon-14	1.58E+03	2043	0
59Ni	Nickel-59	0		48
63Ni	Nickel-63	0		48
60Co	Cobalt-60	1.03E-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	5.54E+04	2043	0
106Ru	Ruthenium-106	0		1
113mCd	Cadmium-113m	0		1
126Sn	Tin-126	8.44E-07	12032	1
125Sb	Antimony-125	0		1
129I	Iodine-129	2.65E-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	1.66E-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	1.03E-05	12032	0.6
234U	Uranium-234	2.24E-05	12032	0.6
235U	Uranium-235 + D	9.30E-07	12032	0.6
236U	Uranium-236	5.77E-07	12032	0.6
238U	Uranium-238 + D	1.98E-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	3.55E-08	12032	1
7664-41-7	Ammonia -- (a)	3.87E-01	2043	0.00093
7440-69-9	Bismuth	3.20E-05	2043	
7440-70-2	Calcium	0		4

16887-00-6	Chloride	3.71E+00	2043	
18540-29-9	Chromium	1.51E+00	2043	0
16984-48-8	Fluoride	2.09E-03	2043	
7439-89-6	Iron	0		25
7439-92-1	Lead	0		5.2
7439-96-5	Manganese	2.29E-11	12032	1
7439-97-6	Mercury	0		5.2
7440-02-0	Nickel	0		48
14797-55-8	Nitrate	1.13E+02	2043	0
14797-65-0	Nitrite	5.46E+01	2043	0
14265-44-2	Phosphate	2.71E-02	2043	
7440-21-3	Silicon	0		30
7440-22-4	Silver	0		2.7
7440-23-5	Sodium	1.35E+02	2043	
14808-79-8	Sulfate	2.79E+00	2043	
7440-61-1	Uranium	5.93E-08	12032	0.6
7440-67-7	Zirconium	0		500
71-36-3	n-Butyl alcohol (1-butanol)	3.56E-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, 1:16:17 PM
Report Generated by H0098416 (David J. Watson)
Decision Management Tool Version 4.0.0.37
241-SX-107 TanksPastLeaks_SX.txt case01.stp

Major Assumptions Used:
Dilution factor for WMA-SX: 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	9.36E+03	2040	0
14C	Carbon-14	3.70E+03	2043	0
59Ni	Nickel-59	0		48
63Ni	Nickel-63	0		48
60Co	Cobalt-60	2.40E-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	1.29E+05	2043	0
106Ru	Ruthenium-106	0		1
113mCd	Cadmium-113m	0		1
126Sn	Tin-126	1.97E-06	12032	1
125Sb	Antimony-125	0		1
129I	Iodine-129	6.18E-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	3.86E-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	2.41E-05	12032	0.6
234U	Uranium-234	5.22E-05	12032	0.6
235U	Uranium-235 + D	2.17E-06	12032	0.6
236U	Uranium-236	1.34E-06	12032	0.6
238U	Uranium-238 + D	4.61E-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	8.27E-08	12032	1
7664-41-7	Ammonia -- (a)	9.04E-01	2043	0.00093
7440-69-9	Bismuth	7.47E-05	2043	
7440-70-2	Calcium	0		4

16887-00-6	Chloride	8.65E+00	2043	
18540-29-9	Chromium	3.51E+00	2043	0
16984-48-8	Fluoride	4.87E-03	2043	
7439-89-6	Iron	0		25
7439-92-1	Lead	0		5.2
7439-96-5	Manganese	5.34E-11	12032	1
7439-97-6	Mercury	0		5.2
7440-02-0	Nickel	0		48
14797-55-8	Nitrate	2.65E+02	2043	0
14797-65-0	Nitrite	1.27E+02	2043	0
14265-44-2	Phosphate	6.33E-02	2043	
7440-21-3	Silicon	0		30
7440-22-4	Silver	0		2.7
7440-23-5	Sodium	3.16E+02	2043	
14808-79-8	Sulfate	6.51E+00	2043	
7440-61-1	Uranium	1.38E-07	12032	0.6
7440-67-7	Zirconium	0		500
71-36-3	n-Butyl alcohol (1-butanol)	8.30E-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, 1:16:25 PM
Report Generated by H0098416 (David J. Watson)
Decision Management Tool Version 4.0.0.37
241-SX-108 TanksPastLeaks_SX.txt case01.stp

Major Assumptions Used:
Dilution factor for WMA-SX: 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	5.35E+02	2040	0
14C	Carbon-14	2.11E+02	2043	0
59Ni	Nickel-59	0		48
63Ni	Nickel-63	0		48
60Co	Cobalt-60	1.37E-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	7.38E+03	2043	0
106Ru	Ruthenium-106	0		1
113mCd	Cadmium-113m	0		1
126Sn	Tin-126	1.13E-07	12032	1
125Sb	Antimony-125	0		1
129I	Iodine-129	3.53E-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	2.21E-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	1.38E-06	12032	0.6
234U	Uranium-234	2.98E-06	12032	0.6
235U	Uranium-235 + D	1.24E-07	12032	0.6
236U	Uranium-236	7.69E-08	12032	0.6
238U	Uranium-238 + D	2.64E-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	4.73E-09	12032	1
7664-41-7	Ammonia -- (a)	5.17E-02	2043	0.00093
7440-69-9	Bismuth	4.27E-06	2043	
7440-70-2	Calcium	0		4

16887-00-6	Chloride	4.94E-01	2043	
18540-29-9	Chromium	2.01E-01	2043	0
16984-48-8	Fluoride	2.78E-04	2043	
7439-89-6	Iron	0		25
7439-92-1	Lead	0		5.2
7439-96-5	Manganese	3.05E-12	12032	1
7439-97-6	Mercury	0		5.2
7440-02-0	Nickel	0		48
14797-55-8	Nitrate	1.51E+01	2043	0
14797-65-0	Nitrite	7.28E+00	2043	0
14265-44-2	Phosphate	3.62E-03	2043	
7440-21-3	Silicon	0		30
7440-22-4	Silver	0		2.7
7440-23-5	Sodium	1.80E+01	2043	
14808-79-8	Sulfate	3.72E-01	2043	
7440-61-1	Uranium	7.91E-09	12032	0.6
7440-67-7	Zirconium	0		500
71-36-3	n-Butyl alcohol (1-butanol)	4.74E-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, 1:16:32 PM
Report Generated by H0098416 (David J. Watson)
Decision Management Tool Version 4.0.0.37
241-SX-109 TanksPastLeaks_SX.txt case01.stp

Major Assumptions Used:
Dilution factor for WMA-SX: 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	7.87E+01	2040	0
14C	Carbon-14	8.84E+01	2043	0
59Ni	Nickel-59	0		48
63Ni	Nickel-63	0		48
60Co	Cobalt-60	6.15E-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	3.08E+03	2043	0
106Ru	Ruthenium-106	0		1
113mCd	Cadmium-113m	0		1
126Sn	Tin-126	5.58E-08	12032	1
125Sb	Antimony-125	0		1
129I	Iodine-129	7.38E-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	1.15E-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	2.55E-06	12032	0.6
234U	Uranium-234	1.02E-06	12032	0.6
235U	Uranium-235 + D	4.36E-08	12032	0.6
236U	Uranium-236	2.74E-08	12032	0.6
238U	Uranium-238 + D	9.74E-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
7429-90-5	Aluminum	5.15E-10	12032	1
7664-41-7	Ammonia -- (a)	1.51E-02	2043	0.00093
7440-69-9	Bismuth	4.54E-04	2043	
7440-70-2	Calcium	0		4

16887-00-6	Chloride	8.21E-02	2043	
18540-29-9	Chromium	4.08E-02	2043	0
16984-48-8	Fluoride	2.04E-02	2043	
7439-89-6	Iron	0		25
7439-91-0	Lanthanum	1.66E-07	2043	
7439-92-1	Lead	0		5.2
7439-96-5	Manganese	6.31E-13	12032	1
7439-97-6	Mercury	0		5.2
7440-02-0	Nickel	0		48
14797-55-8	Nitrate	2.64E+00	2043	0
14797-65-0	Nitrite	1.08E+00	2043	0
14265-44-2	Phosphate	5.06E-02	2043	
7440-21-3	Silicon	0		30
7440-22-4	Silver	0		2.7
7440-23-5	Sodium	2.92E+00	2043	
14808-79-8	Sulfate	2.22E-01	2043	
7440-61-1	Uranium	2.92E-09	12032	0.6
7440-67-7	Zirconium	0		500
71-36-3	n-Butyl alcohol (1-butanol)	3.38E-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, 1:16:50 PM
Report Generated by H0098416 (David J. Watson)
Decision Management Tool Version 4.0.0.37
241-SX-110 TanksPastLeaks_SX.txt case01.stp

Major Assumptions Used:
Dilution factor for WMA-SX: 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	4.63E+01	2040	0
14C	Carbon-14	5.55E+01	2043	0
59Ni	Nickel-59	0		48
63Ni	Nickel-63	0		48
60Co	Cobalt-60	4.19E-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	2.10E+03	2043	0
106Ru	Ruthenium-106	0		1
113mCd	Cadmium-113m	0		1
126Sn	Tin-126	3.79E-08	12032	1
125Sb	Antimony-125	0		1
129I	Iodine-129	4.44E-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	5.80E-15	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	1.36E-06	12032	0.6
234U	Uranium-234	6.56E-07	12032	0.6
235U	Uranium-235 + D	2.79E-08	12032	0.6
236U	Uranium-236	1.87E-08	12032	0.6
238U	Uranium-238 + D	6.18E-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
7429-90-5	Aluminum	2.79E-10	12032	1
7664-41-7	Ammonia -- (a)	6.56E-03	2043	0.00093
7440-69-9	Bismuth	1.79E-05	2043	
7440-70-2	Calcium	0		4

16887-00-6	Chloride	4.24E-02	2043	
18540-29-9	Chromium	2.60E-02	2043	0
16984-48-8	Fluoride	6.51E-04	2043	
7439-89-6	Iron	0		25
7439-91-0	Lanthanum	2.41E-12	2043	
7439-92-1	Lead	0		5.2
7439-96-5	Manganese	4.07E-13	12032	1
7439-97-6	Mercury	0		5.2
7440-02-0	Nickel	0		48
14797-55-8	Nitrate	1.32E+00	2043	0
14797-65-0	Nitrite	6.49E-01	2043	0
14265-44-2	Phosphate	9.35E-03	2043	
7440-21-3	Silicon	0		30
7440-22-4	Silver	0		2.7
7440-23-5	Sodium	1.62E+00	2043	
14808-79-8	Sulfate	1.33E-01	2043	
7440-61-1	Uranium	1.85E-09	12032	0.6
7440-67-7	Zirconium	0		500
71-36-3	n-Butyl alcohol (1-butanol)	4.69E-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, 1:16:56 PM
Report Generated by H0098416 (David J. Watson)
Decision Management Tool Version 4.0.0.37
241-SX-111 TanksPastLeaks_SX.txt case01.stp

Major Assumptions Used:
Dilution factor for WMA-SX: 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	2.67E+02	2040	0
14C	Carbon-14	1.06E+02	2043	0
59Ni	Nickel-59	0		48
63Ni	Nickel-63	0		48
60Co	Cobalt-60	6.85E-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	3.69E+03	2043	0
106Ru	Ruthenium-106	0		1
113mCd	Cadmium-113m	0		1
126Sn	Tin-126	5.63E-08	12032	1
125Sb	Antimony-125	0		1
129I	Iodine-129	1.77E-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	1.10E-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	6.89E-07	12032	0.6
234U	Uranium-234	1.49E-06	12032	0.6
235U	Uranium-235 + D	6.20E-08	12032	0.6
236U	Uranium-236	3.85E-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	2.36E-09	12032	1
7664-41-7	Ammonia -- (a)	2.58E-02	2043	0.00093
7440-69-9	Bismuth	2.14E-06	2043	
7440-70-2	Calcium	0		4

16887-00-6	Chloride	2.47E-01	2043	
18540-29-9	Chromium	1.00E-01	2043	0
16984-48-8	Fluoride	1.39E-04	2043	
7439-89-6	Iron	0		25
7439-92-1	Lead	0		5.2
7439-96-5	Manganese	1.53E-12	12032	1
7439-97-6	Mercury	0		5.2
7440-02-0	Nickel	0		48
14797-55-8	Nitrate	7.56E+00	2043	0
14797-65-0	Nitrite	3.64E+00	2043	0
14265-44-2	Phosphate	1.81E-03	2043	
7440-21-3	Silicon	0		30
7440-22-4	Silver	0		2.7
7440-23-5	Sodium	9.02E+00	2043	
14808-79-8	Sulfate	1.86E-01	2043	
7440-61-1	Uranium	3.95E-09	12032	0.6
7440-67-7	Zirconium	0		500
71-36-3	n-Butyl alcohol (1-butanol)	2.37E-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, 1:17:02 PM
Report Generated by H0098416 (David J. Watson)
Decision Management Tool Version 4.0.0.37
241-SX-112 TanksPastLeaks_SX.txt case01.stp

Major Assumptions Used:
Dilution factor for WMA-SX: 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	1.49E+03	2040	0
14C	Carbon-14	7.79E+02	2043	0
59Ni	Nickel-59	0		48
63Ni	Nickel-63	0		48
60Co	Cobalt-60	1.23E-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	1.38E+04	2043	0
106Ru	Ruthenium-106	0		1
113mCd	Cadmium-113m	0		1
126Sn	Tin-126	2.05E-07	12032	1
125Sb	Antimony-125	0		1
129I	Iodine-129	6.83E-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	3.87E-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	3.68E-09	12032	0.6
234U	Uranium-234	1.87E-05	12032	0.6
235U	Uranium-235 + D	8.26E-07	12032	0.6
236U	Uranium-236	3.97E-07	12032	0.6
238U	Uranium-238 + D	1.97E-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	1.71E-08	12032	1
7664-41-7	Ammonia -- (a)	8.45E-02	2043	0.00093
7440-70-2	Calcium	0		4
16887-00-6	Chloride	1.76E+00	2043	

18540-29-9	Chromium	1.50E+00	2043	0
16984-48-8	Fluoride	4.71E-07	2043	
7439-89-6	Iron	0		25
7439-96-5	Manganese	2.27E-11	12032	1
7439-97-6	Mercury	0		5.2
7440-02-0	Nickel	0		48
14797-55-8	Nitrate	7.25E+01	2043	0
14797-65-0	Nitrite	1.84E+01	2043	0
7440-21-3	Silicon	0		30
7440-22-4	Silver	0		2.7
7440-23-5	Sodium	6.66E+01	2043	
14808-79-8	Sulfate	9.62E-01	2043	
7440-61-1	Uranium	5.89E-08	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
1	Infinity
0	Infinity
5	Infinity
0	Infinity

Report Generated on: 5/25/2005, 1:17:09 PM
Report Generated by H0098416 (David J. Watson)
Decision Management Tool Version 4.0.0.37
241-SX-113 TanksPastLeaks_SX.txt case01.stp

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

0	Infinity
0	Infinity
5	Infinity
1	Infinity
5	Infinity
5	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	3.66E+04	2040	0
14C	Carbon-14	2.79E+03	2043	0
59Ni	Nickel-59	0		48
63Ni	Nickel-63	0		48
60Co	Cobalt-60	3.48E-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	4.17E+04	2043	0
106Ru	Ruthenium-106	0		1
113mCd	Cadmium-113m	0		1
126Sn	Tin-126	6.27E-07	12032	1
125Sb	Antimony-125	0		1
129I	Iodine-129	2.01E-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	1.47E-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	2.53E-07	12032	0.6
234U	Uranium-234	8.56E-05	12032	0.6
235U	Uranium-235 + D	3.41E-06	12032	0.6
236U	Uranium-236	2.39E-06	12032	0.6
238U	Uranium-238 + D	6.56E-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	5.31E-08	12032	1
7664-41-7	Ammonia -- (a)	3.14E-01	2043	0.00093
7440-69-9	Bismuth	7.63E-07	2043	
7440-70-2	Calcium	0		4

16887-00-6	Chloride	2.97E+00	2043	
18540-29-9	Chromium	2.19E+00	2043	0
16984-48-8	Fluoride	5.07E-05	2043	
7439-89-6	Iron	0		25
7439-92-1	Lead	0		5.2
7439-96-5	Manganese	1.26E-11	12032	1
7439-97-6	Mercury	0		5.2
7440-02-0	Nickel	0		48
14797-55-8	Nitrate	1.31E+02	2043	0
14797-65-0	Nitrite	5.56E+01	2043	0
14265-44-2	Phosphate	6.46E-04	2043	
7440-21-3	Silicon	0		30
7440-22-4	Silver	0		2.7
7440-23-5	Sodium	1.37E+02	2043	
14808-79-8	Sulfate	2.42E+00	2043	
7440-61-1	Uranium	1.97E-07	12032	0.6
7440-67-7	Zirconium	0		500
71-36-3	n-Butyl alcohol (1-butanol)	8.47E-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, 1:17:20 PM
Report Generated by H0098416 (David J. Watson)
Decision Management Tool Version 4.0.0.37
241-SX-115 TanksPastLeaks_SX.txt case01.stp

Major Assumptions Used:
Dilution factor for WMA-SX: 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	2.43E+04	2040	0
14C	Carbon-14	1.59E+03	2043	0
59Ni	Nickel-59	0		48
63Ni	Nickel-63	0		48
60Co	Cobalt-60	2.33E-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	3.64E+02	2043	0
106Ru	Ruthenium-106	0		1
113mCd	Cadmium-113m	0		1
126Sn	Tin-126	4.73E-09	12032	1
125Sb	Antimony-125	0		1
129I	Iodine-129	1.59E-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	1.86E-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	7.50E-11	12032	0.6
234U	Uranium-234	4.41E-05	12032	0.6
235U	Uranium-235 + D	1.72E-06	12032	0.6
236U	Uranium-236	1.27E-06	12032	0.6
238U	Uranium-238 + D	3.16E-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	2.04E-08	12032	1
7664-41-7	Ammonia -- (a)	6.32E-04	2043	0.00093
7440-70-2	Calcium	0		4
16887-00-6	Chloride	4.80E-01	2043	

18540-29-9	Chromium	1.33E-01	2043	0
7439-89-6	Iron	0		25
7439-92-1	Lead	0		5.2
7440-02-0	Nickel	0		48
14797-55-8	Nitrate	4.60E+01	2043	0
14797-65-0	Nitrite	1.11E+01	2043	0
7440-22-4	Silver	0		2.7
7440-23-5	Sodium	3.51E+01	2043	
14808-79-8	Sulfate	4.91E-01	2043	
7440-61-1	Uranium	9.50E-08	12032	0.6

Kd Bin	Half-Life	
	Years	**Report Generated on: 5/25/2005, 1:09:18 PM**
		Report Generated by H0098416 (David J. Watson)
0	12.33	**Decision Management Tool Version 4.0.0.37**
0	5730	241-S-104 TanksPastLeaks_S.txt case01.stp
5	74999	
5	100.1	
0.1	5.2713	**Major Assumptions Used:**
2	805000	Dilution factor for WMA-S: 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	
5	Infinity	
0	Infinity	

0	Infinity
5	Infinity
5	Infinity
5	Infinity
0	Infinity
0	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	5.89E+02	2040	0
14C	Carbon-14	1.34E+03	2043	0
59Ni	Nickel-59	0		48
63Ni	Nickel-63	0		48
60Co	Cobalt-60	5.49E-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	4.15E+04	2043	0
106Ru	Ruthenium-106	0		1
113mCd	Cadmium-113m	0		1
126Sn	Tin-126	7.26E-07	12032	1
125Sb	Antimony-125	0		1
129I	Iodine-129	1.25E-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	2.03E-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	1.41E-05	12032	0.6
234U	Uranium-234	7.80E-06	12032	0.6
235U	Uranium-235 + D	3.35E-07	12032	0.6
236U	Uranium-236	1.96E-07	12032	0.6
238U	Uranium-238 + D	7.51E-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	1.34E-08	12032	1
7664-41-7	Ammonia -- (a)	3.37E-01	2043	0.00093
7440-69-9	Bismuth	8.12E-03	2043	
7440-70-2	Calcium	0		4

16887-00-6	Chloride	1.98E+00	2043	
18540-29-9	Chromium	5.68E-01	2043	0
16984-48-8	Fluoride	3.33E-01	2043	
7439-89-6	Iron	0		25
7439-91-0	Lanthanum	2.45E-07	2043	
7439-92-1	Lead	0		5.2
7439-96-5	Manganese	8.63E-12	12032	1
7439-97-6	Mercury	0		5.2
7440-02-0	Nickel	0		48
14797-55-8	Nitrate	4.28E+01	2043	0
14797-65-0	Nitrite	2.26E+01	2043	0
14265-44-2	Phosphate	1.02E+00	2043	
7440-21-3	Silicon	0		30
7440-22-4	Silver	0		2.7
7440-23-5	Sodium	5.92E+01	2043	
14808-79-8	Sulfate	2.35E+00	2043	
7440-61-1	Uranium	2.25E-08	12032	0.6
7440-67-7	Zirconium	0		500
71-36-3	n-Butyl alcohol (1-butanol)	2.22E-01	2043	0.002076

Kd Bin	Half-Life	
	Years	**Report Generated on: 5/25/2005, 1:09:40 PM**
		Report Generated by H0098416 (David J. Watson)
0	12.33	**Decision Management Tool Version 4.0.0.37**
0	5730	241-SX-104 TanksPastLeaks_SX.txt case01.stp
5	74999	
5	100.1	
0.1	5.2713	**Major Assumptions Used:**
2	805000	Dilution factor for WMA-SX: 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	1.39E+04	2040	0
14C	Carbon-14	5.50E+03	2043	0
59Ni	Nickel-59	0		48
63Ni	Nickel-63	0		48
60Co	Cobalt-60	3.56E-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	1.92E+05	2043	0
106Ru	Ruthenium-106	0		1
113mCd	Cadmium-113m	0		1
126Sn	Tin-126	2.93E-06	12032	1
125Sb	Antimony-125	0		1
129I	Iodine-129	9.18E-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	5.74E-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	3.58E-05	12032	0.6
234U	Uranium-234	7.75E-05	12032	0.6
235U	Uranium-235 + D	3.22E-06	12032	0.6
236U	Uranium-236	2.00E-06	12032	0.6
238U	Uranium-238 + D	6.86E-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	1.23E-07	12032	1
7664-41-7	Ammonia -- (a)	1.34E+00	2043	0.00093
7440-69-9	Bismuth	1.11E-04	2043	
7440-70-2	Calcium	0		4

16887-00-6	Chloride	1.29E+01	2043	
18540-29-9	Chromium	5.22E+00	2043	0
16984-48-8	Fluoride	7.24E-03	2043	
7439-89-6	Iron	0		25
7439-92-1	Lead	0		5.2
7439-96-5	Manganese	7.94E-11	12032	1
7439-97-6	Mercury	0		5.2
7440-02-0	Nickel	0		48
14797-55-8	Nitrate	3.93E+02	2043	0
14797-65-0	Nitrite	1.89E+02	2043	0
14265-44-2	Phosphate	9.40E-02	2043	
7440-21-3	Silicon	0		30
7440-22-4	Silver	0		2.7
7440-23-5	Sodium	4.69E+02	2043	
14808-79-8	Sulfate	9.67E+00	2043	
7440-61-1	Uranium	2.06E-07	12032	0.6
7440-67-7	Zirconium	0		500
71-36-3	n-Butyl alcohol (1-butanol)	1.23E-01	2043	0.002076

Kd Bin	Half-Life	
	Years	**Report Generated on: 5/25/2005, 1:09:57 PM**
		Report Generated by H0098416 (David J. Watson)
0	12.33	**Decision Management Tool Version 4.0.0.37**
0	5730	241-SX-107 TanksPastLeaks_SX.txt case01.stp
5	74999	
5	100.1	241-SX-108 TanksPastLeaks_SX.txt case01.stp
0.1	5.2713	
2	805000	241-SX-109 TanksPastLeaks_SX.txt case01.stp
5	28.149	
5	16.13	
0	211097	**Major Assumptions Used:**
1	1.01736	Dilution factor for WMA-SX: 40
1	14.1	Compliance Monitoring Start Year :2001
1	246000	
1	2.7299	
0.2	15700000	
5	2.0619	Verified by John Middleton 6/15/05
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
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	3.92E+02	2040	0
14C	Carbon-14	2.50E+02	2043	0
59Ni	Nickel-59	0		48
63Ni	Nickel-63	0		48
60Co	Cobalt-60	1.72E-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	8.87E+03	2043	0
106Ru	Ruthenium-106	0		1
113mCd	Cadmium-113m	0		1
126Sn	Tin-126	1.50E-07	12032	1
125Sb	Antimony-125	0		1
129I	Iodine-129	2.95E-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	2.83E-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	4.60E-06	12032	0.6
234U	Uranium-234	3.17E-06	12032	0.6
235U	Uranium-235 + D	1.34E-07	12032	0.6
236U	Uranium-236	8.45E-08	12032	0.6
238U	Uranium-238 + D	2.91E-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	3.16E-09	12032	1
7664-41-7	Ammonia -- (a)	4.75E-02	2043	0.00093
7440-69-9	Bismuth	4.74E-04	2043	
7440-70-2	Calcium	0		4

16887-00-6	Chloride	3.72E-01	2043	
18540-29-9	Chromium	1.67E-01	2043	0
16984-48-8	Fluoride	2.11E-02	2043	
7439-89-6	Iron	0		25
7439-91-0	Lanthanum	1.66E-07	2043	
7439-92-1	Lead	0		5.2
7439-96-5	Manganese	2.56E-12	12032	1
7439-97-6	Mercury	0		5.2
7440-02-0	Nickel	0		48
14797-55-8	Nitrate	1.15E+01	2043	0
14797-65-0	Nitrite	5.36E+00	2043	0
14265-44-2	Phosphate	6.18E-02	2043	
7440-21-3	Silicon	0		30
7440-22-4	Silver	0		2.7
7440-23-5	Sodium	1.36E+01	2043	
14808-79-8	Sulfate	5.41E-01	2043	
7440-61-1	Uranium	8.73E-09	12032	0.6
7440-67-7	Zirconium	0		500
71-36-3	n-Butyl alcohol (1-butanol)	6.23E-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, 1:10:14 PM
Report Generated by H0098416 (David J. Watson)
Decision Management Tool Version 4.0.0.37

241-SX-110	TanksPastLeaks_SX.txt	case01.stp
241-SX-111	TanksPastLeaks_SX.txt	case01.stp
241-SX-112	TanksPastLeaks_SX.txt	case01.stp

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

Verified by John Middleton 6/15/05

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	3.80E+04	2040	0
14C	Carbon-14	3.57E+03	2043	0
59Ni	Nickel-59	0		48
63Ni	Nickel-63	0		48
60Co	Cobalt-60	3.60E-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	5.55E+04	2043	0
106Ru	Ruthenium-106	0		1
113mCd	Cadmium-113m	0		1
126Sn	Tin-126	8.32E-07	12032	1
125Sb	Antimony-125	0		1
129I	Iodine-129	2.69E-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	1.86E-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	2.56E-07	12032	0.6
234U	Uranium-234	1.04E-04	12032	0.6
235U	Uranium-235 + D	4.23E-06	12032	0.6
236U	Uranium-236	2.79E-06	12032	0.6
238U	Uranium-238 + D	8.53E-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	7.02E-08	12032	1
7664-41-7	Ammonia -- (a)	3.98E-01	2043	0.00093
7440-69-9	Bismuth	7.63E-07	2043	
7440-70-2	Calcium	0		4

16887-00-6	Chloride	4.73E+00	2043	
18540-29-9	Chromium	3.68E+00	2043	0
16984-48-8	Fluoride	5.12E-05	2043	
7439-89-6	Iron	0		25
7439-92-1	Lead	0		5.2
7439-96-5	Manganese	3.53E-11	12032	1
7439-97-6	Mercury	0		5.2
7440-02-0	Nickel	0		48
14797-55-8	Nitrate	2.04E+02	2043	0
14797-65-0	Nitrite	7.40E+01	2043	0
14265-44-2	Phosphate	6.46E-04	2043	
7440-21-3	Silicon	0		30
7440-22-4	Silver	0		2.7
7440-23-5	Sodium	2.04E+02	2043	
14808-79-8	Sulfate	3.38E+00	2043	
7440-61-1	Uranium	2.56E-07	12032	0.6
7440-67-7	Zirconium	0		500
71-36-3	n-Butyl alcohol (1-butanol)	8.47E-04	2043	0.002076

Kd Bin	Half-Life	
	Years	**Report Generated on: 5/25/2005, 1:10:29 PM**
		Report Generated by H0098416 (David J. Watson)
0	12.33	**Decision Management Tool Version 4.0.0.37**
0	5730	241-SX-113 TanksPastLeaks_SX.txt case01.stp
5	74999	
5	100.1	241-SX-115 TanksPastLeaks_SX.txt case01.stp
0.1	5.2713	
2	805000	
5	28.149	**Major Assumptions Used:**
5	16.13	Dilution factor for WMA-SX: 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
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