

Row Name Sources Included

T-101 Row	None
T-104 Row	None
T-107 Row	None
T-110 Row	T301B Catch Tank

CAS Number	Analyte Name	Concentration pCi/L (Rad) or mg/L (Non-rad)	Peak Year	Kd	Kd Bin
3H	Tritium	5.84E-17	2281	0	0
14C	Carbon-14	9.67E-04	7831	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	8.05E-02	8191	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	1.76E-10	12032	0.2	0.2
134Cs	Cesium-134	0		25	5
137Cs	Cesium-137 + Daughters	0		25	5
151Sm	Samarium-151	0		1	1
152Eu	Europium-152	0		1	1
154Eu	Europium-154	0		1	1
155Eu	Europium-155	0		1	1
226Ra	Radium-226 + D	0		1	1
228Ra	Radium-228 + D	0		1	1
227Ac	Actinium-227 + D	0		67	5
229Th	Thorium-229 + D	0		3	2
232Th	Thorium-232	0		3	2
231Pa	Protactinium-231	0		550	5
232U	Uranium-232	0		0.6	0.6
233U	Uranium-233	0		0.6	0.6
234U	Uranium-234	0		0.6	0.6
235U	Uranium-235 + D	0		0.6	0.6
236U	Uranium-236	0		0.6	0.6
238U	Uranium-238 + D	0		0.6	0.6
237Np	Neptunium-237 + D	0		2	2
238Pu	Plutonium-238	0		3	2
239Pu	Plutonium-239	0		3	2
240Pu	Plutonium-240	0		3	2
241Pu	Plutonium-241 + D	0		3	2
242Pu	Plutonium-242	0		3	2
241Am	Americium-241	0		3	2
243Am	Americium-243 + D	0		3	2
242Cm	Curium-242	0		3	2
243Cm	Curium-243	0		3	2
244Cm	Curium-244	0		3	2
7429-90-5	Aluminum	0		1	1
7440-36-0	Antimony	0		1	1
7440-38-2	Arsenic	0		39	5

7440-39-3	Barium	0	60	5
7440-41-7	Beryllium	0	70	5
7440-69-9	Bismuth	2.32E-04	8201	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	5.81E-07	8201	0
16887-00-6	Chloride	1.75E-06	8201	0
18540-29-9	Chromium	1.36E-05	8201	0
7440-48-4	Cobalt	7.07E-10	12032	0.1
7440-50-8	Copper	0	35	5
57-12-5	Cyanide	0	9.9	5
16984-48-8	Fluoride	5.50E-05	8201	0
OHDEMAND	Hydroxide OH	1.15E-03	8201	0
7439-89-6	Iron	0	25	5
7439-91-0	Lanthanum	1.89E-05	8201	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	1.48E-07	8201	0
7440-02-0	Nickel	0	48	5
14797-55-8	Nitrate	2.74E-04	8201	0
14797-65-0	Nitrite	4.58E-05	8201	0
338-70-5	Oxalate	1.33E-05	8201	0
14265-44-2	Phosphate	3.77E-04	8201	0
7782-49-2	Selenium	0	5	5
7440-21-3	Silicon	0	30	5
7440-22-4	Silver	0	2.7	2
7440-23-5	Sodium	4.78E-04	8201	0
7440-24-6	Strontium	0	16.1	5
14808-79-8	Sulfate	2.83E-05	8201	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 CAS Name Non-Detect

Years

12.33	1	1
5730	3	3
74999	15	15
100.1	16	16
5.2713	17	17
805000	18	18
28.149	20	20
16.13	22	22
1530000	25	25
211097	26	26
1.01736	27	27
14.1	31	31
246000	34	34
2.7299	35	35
15700000	37	37
2.0619	39	39
29.999	41	41
89.997	44	44
13.33	46	46
8.5919	47	47
4.68	48	48
1600	58	58
5.7498	59	59
21.769	60	60
7340	62	62
1405000000	64	64
32759	65	65
69.799	66	66
159198	67	67
245694	68	68
703700000	69	69
23420000	70	70
4468000000	71	71
2140000	72	72
87.697	74	74
24110	75	75
6563	76	76
14.35	77	77
373507	78	78
432.7	80	80
7370	82	82
0.44611	83	83
28.499	84	84
18.1	85	85
Infinity	97	97
Infinity	100	100
Infinity	101	101

Report Generated on: 5/25/2005, 2:19:41
Report Generated by H0098416 (David J
Decision Management Tool Version 4.0.0
 241-T-301B

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

Verified by John Middleton 6/15/05

Infinity	102	102
Infinity	103	103
Infinity	104	104
Infinity	105	105
Infinity	107	107
Infinity	108	108
Infinity	109	109
Infinity	110	110
Infinity	111	111
Infinity	113	114
Infinity	114	115
Infinity	115	116
Infinity	118	119
Infinity	121	122
Infinity	122	123
Infinity	123	124
Infinity	124	125
Infinity	125	126
Infinity	126	127
Infinity	127	128
Infinity	129	130
Infinity	130	131
Infinity	131	132
Infinity	132	133
Infinity	134	135
Infinity	135	136
Infinity	136	137
Infinity	138	139
Infinity	146	147
Infinity	147	148
Infinity	148	149
Infinity	149	150
Infinity	150	151
Infinity	151	152
Infinity	156	157
Infinity	158	159
Infinity	160	161
Infinity	163	163
Infinity	164	164
Infinity	167	167
Infinity	168	168

PM

(. Watson)

0.37

TanksTFarm_MUST.txt case02.stp