Model Stress Period	Simulation Date	Single species simulation using MT3DMS model <sup>1</sup>	Multispecies simulation using TechFlowMP model <sup>2</sup>				
renou		PCE, in µg/L <sup>3</sup>	PCE, in µg/L⁴	1,2-tDCE, in μg/L⁵	TCE, in μg/L <sup>6</sup>	VC, in μg/L <sup>7</sup>	
1	Jan-51	Not operating	Not operating	Not operating	Not operating	Not operating	
2	Feb-51	Not operating	Not operating	Not operating	Not operating	Not operating	
3	Mar-51	Not operating	Not operating	Not operating	Not operating	Not operating	
4	Apr-51	Not operating	Not operating	Not operating	Not operating	Not operating	
5	May-51	Not operating	Not operating	Not operating	Not operating	Not operating	
6	Jun-51	Not operating	Not operating	Not operating	Not operating	Not operating	
7	Jul-51	Not operating	Not operating	Not operating	Not operating	Not operating	
8	Aug-51	Not operating	Not operating	Not operating	Not operating	Not operating	
9	Sep-51	Not operating	Not operating	Not operating	Not operating	Not operating	
10	Oct-51	Not operating	Not operating	Not operating	Not operating	Not operating	
11	Nov-51	Not operating	Not operating	Not operating	Not operating	Not operating	
12	Dec-51	Not operating	Not operating	Not operating	Not operating	Not operating	
13	Jan-52	0.00	0.00	0.00	0.00	0.00	
14	Feb-52	0.00	0.00	0.00	0.00	0.00	
15	Mar-52	0.00	0.00	0.00	0.00	0.00	
16	Apr-52	0.00	0.00	0.00	0.00	0.00	
17	May-52	0.00	0.00	0.00	0.00	0.00	
18	Jun-52	0.00	0.00	0.00	0.00	0.00	
19	Jul-52	0.00	0.00	0.00	0.00	0.00	
20	Aug-52	0.00	0.00	0.00	0.00	0.00	
21	Sep-52	0.00	0.00	0.00	0.00	0.00	
22	Oct-52	0.00	0.00	0.00	0.00	0.00	
23	Nov-52	0.00	0.00	0.00	0.00	0.00	
24	Dec-52	0.00	0.00	0.00	0.00	0.00	
25	Jan-53	0.00	0.00	0.00	0.00	0.00	
26	Feb-53	0.00	0.00	0.00	0.00	0.00	
27	Mar-53	0.00	0.00	0.00	0.00	0.00	
28	Apr-53	0.00	0.00	0.00	0.00	0.00	
29	May-53	0.00	0.00	0.00	0.00	0.00	
30	Jun-53	0.00	0.00	0.00	0.00	0.00	
31	Jul-53	0.00	0.00	0.00	0.00	0.00	
32	Aug-53	0.00	0.00	0.00	0.00	0.00	
33	Sep-53	0.00	0.00	0.00	0.00	0.00	
34	Oct-53	0.00	0.00	0.00	0.00	0.00	
35	Nov-53	0.00	0.00	0.00	0.00	0.00	
36	Dec-53	0.00	0.00	0.00			
37	Jan-54	0.00	0.00	0.00			
38	Feb-54	0.00	0.00	0.00	0.00		
39	Mar-54	0.00	0.00	0.00			
40	Apr-54	0.00	0.00	0.00			
41	May-54	0.00	0.00	0.00			
42	Jun-54	0.00	0.00	0.00			
43	Jul-54	0.00	0.00	0.00			
44	Aug-54	0.00	0.00	0.00			
45	Sep-54	0.00	0.00	0.00			
46	Oct-54	0.00	0.00	0.00			
47	Nov-54	0.00	0.00	0.00			
48	Dec-54	0.00	0.00	0.00			

Model Stress Period	Simulation Date	Single species simulation using MT3DMS model <sup>1</sup>	Multispecies simulation using TechFlowMP model <sup>2</sup>				
renou		PCE, in μg/L <sup>3</sup>	PCE, in µg/L⁴	1,2-tDCE, in μg/L⁵	TCE, in μg/L <sup>6</sup>	VC, in µg/L <sup>7</sup>	
49	Jan-55	0.00	0.00	0.00	0.00	0.01	
50	Feb-55	0.00	0.00	0.01	0.00	0.01	
51	Mar-55	0.00	0.01	0.01	0.00	0.01	
52	Apr-55	0.00	0.01	0.01	0.00	0.02	
53	May-55	0.00	0.01	0.01	0.00	0.02	
54	Jun-55	0.01	0.01	0.02	0.00	0.03	
55	Jul-55	0.01	0.02	0.03	0.00	0.03	
56	Aug-55	0.01	0.03	0.03	0.00	0.04	
57	Sep-55	0.02	0.04	0.04	0.00	0.05	
58	Oct-55	0.03	0.05	0.05	0.00	0.07	
59	Nov-55	0.04	0.06	0.07	0.00	0.08	
60	Dec-55	0.06	0.08	0.08	0.01	0.10	
61	Jan-56	0.08	0.11	0.10	0.01	0.12	
62	Feb-56	0.10	0.14	0.12	0.01	0.14	
63	Mar-56	0.13	0.17	0.15	0.01	0.17	
64	Apr-56	0.17	0.22	0.18	0.01	0.20	
65	May-56	0.23	0.27	0.21	0.02	0.23	
66	Jun-56	0.29	0.33	0.25	0.02	0.26	
67	Jul-56	0.36	0.40	0.29	0.02	0.30	
68	Aug-56	0.46	0.49	0.33	0.03	0.34	
69	Sep-56	0.57	0.59	0.38	0.03	0.39	
70	Oct-56	0.70	0.70	0.44	0.04	0.44	
71	Nov-56	0.85	0.83	0.50	0.05	0.49	
72	Dec-56	1.04	0.97	0.57	0.06	0.55	
73	Jan-57	1.25	1.14	0.64	0.06	0.61	
74	Feb-57	1.47	1.33	0.72	0.07	0.68	
75	Mar-57	1.74	1.52	0.79	0.08	0.74	
76	Apr-57	2.04	1.75	0.88	0.10	0.81	
77	May-57	2.39	2.00	0.97	0.11	0.89	
78	Jun-57	2.77	2.28	1.08	0.12	0.97	
79	Jul-57	3.21	2.59	1.18	0.14	1.05	
80	Aug-57	3.69	2.93	1.29	0.16	1.13	
81	Sep-57	4.21	3.30	1.41	0.17	1.23	
82	Oct-57	4.79	3.69	1.53	0.19	1.32	
83	Nov-57	5.41	4.13	1.66	0.22	1.41	
84	Dec-57	6.10	4.59	1.80	0.24	1.51	
85	Jan-58	6.86	5.11	1.94	0.26	1.62	
86	Feb-58	7.60	5.65	2.09	0.29	1.72	
87	Mar-58	8.47	6.17	2.22	0.31	1.81	
88	Apr-58	9.37	6.79	2.38	0.34	1.92	
89	May-58	10.37	7.41	2.53	0.37	2.02	
90	Jun-58	11.39	8.10	2.70	0.41	2.13	
91	Jul-58	12.91	9.09	2.96	0.45	2.32	
92	Aug-58	14.12	9.88	3.14	0.49	2.44	
93	Sep-58	15.35	10.73		0.53	2.56	
94	Oct-58	16.69	11.58	3.52	0.57	2.68	
95 96	Nov-58 Dec-58	18.03 19.49	12.52 13.46	3.72 3.92	0.61	2.81 2.94	

Model Stress Period	Simulation Date	Single species simulation using MT3DMS model <sup>1</sup>	Multis	pecies simulation usi	ing TechFlowMP m	odel <sup>2</sup>
Penou		PCE, in µg/L <sup>3</sup>	PCE, in µg/L⁴	1,2-tDCE, in μg/L⁵	TCE, in μg/L <sup>6</sup>	VC, in μg/L <sup>7</sup>
97	Jan-59	20.97	14.48	4.13	0.71	3.07
98	Feb-59	22.35	15.54	4.34	0.76	3.21
99	Mar-59	23.92	16.54	4.54	0.80	3.33
100	Apr-59	25.49	17.70	4.77	0.85	3.48
101	May-59	27.15	18.84	4.99	0.91	3.61
102	Jun-59	28.81	20.09	5.23	0.96	3.77
103	Jul-59	30.56	21.34	5.46	1.02	3.91
104	Aug-59	32.36	22.66	5.69	1.08	4.05
105	Sep-59	34.14	24.01	5.93	1.14	4.19
106	Oct-59	36.01	25.35	6.16	1.20	4.32
107	Nov-59	37.85	26.77	6.40	1.27	4.46
108	Dec-59	39.78	28.18	6.64	1.33	4.60
109	Jan-60	41.86	29.67	6.88	1.40	4.74
110	Feb-60	43.85	31.17	7.12	1.46	4.86
111	Mar-60	46.03	32.58	7.33	1.52	4.97
112	Apr-60	48.15	34.16	7.57	1.59	5.10
113	May-60	50.37	35.67	7.79	1.66	5.21
114	Jun-60	52.51	37.24	8.03	1.73	5.33
115	Jul-60	54.74	38.79	8.26	1.80	5.45
116	Aug-60	56.96	40.45	8.51	1.87	5.59
117	Sep-60	59.09	42.13	8.76	1.94	5.73
118	Oct-60	61.30	43.80	9.02	2.02	5.86
119	Nov-60	63.42	45.57	9.28	2.09	6.01
120	Dec-60	65.61	47.31	9.54	2.17	6.15
121	Jan-61	67.69	49.15	9.82	2.25	6.30
122	Feb-61	69.54	51.03	10.10	2.33	6.46
123	Mar-61	71.56	52.73	10.35	2.41	6.61
124	Apr-61	73.49	54.69	10.64	2.49	6.77
125	May-61	75.49	56.57	10.92	2.58	6.92
126	Jun-61	77.39	58.53	11.20	2.66	7.07
127	Jul-61	79.36	60.43	11.46	2.75	7.22
128	Aug-61	81.32	62.42	11.74	2.83	7.36
129	Sep-61	83.19	64.40	12.01	2.92	7.51
130	Oct-61	85.11	66.32	12.27	3.00	7.64
131	Nov-61	86.95	68.33	12.55	3.09	7.79
132	Dec-61	88.84	70.28	12.80	3.17	7.92
133	Jan-62	60.88	47.74	8.63	2.15	5.32
134	Feb-62	62.10	49.86	9.00	2.25	5.56
135	Mar-62	62.94	51.28	9.17	2.31	5.64
136	Apr-62	63.59	52.37	9.25	2.36	5.67
137	May-62	64.17	53.18	9.28	2.39	5.66
138	Jun-62	64.70	53.88	9.28	2.41	5.63
139	Jul-62	65.23	54.48	9.28	2.43	5.60
140	Aug-62	65.74	55.06	9.26	2.45	5.56
141	Sep-62	66.22	55.59	9.24	2.46	5.52
142	Oct-62	66.71	56.07	9.22	2.48	5.47
143	Nov-62	67.18	56.54	9.19	2.49	5.42
144	Dec-62	67.65	56.97	9.16	2.50	5.38

Model Stress Period	Simulation Date	Single species simulation using MT3DMS model <sup>1</sup>	Multis				
renou		PCE, in µg/L <sup>3</sup>	PCE, in μg/L⁴	1,2-tDCE, in μg/L⁵	TCE, in μg/L <sup>6</sup>	VC, in μg/L <sup>7</sup>	
145	Jan-63	68.06	57.40	9.13	2.51	5.33	
146	Feb-63	68.39	57.78	9.09	2.52	5.28	
147	Mar-63	68.73	58.11	9.06	2.53	5.24	
148	Apr-63	69.03	58.49	9.02	2.54	5.20	
149	May-63	69.33	58.81	8.98	2.55	5.15	
150	Jun-63	69.62	59.14	8.94	2.56	5.11	
151	Jul-63	69.90	59.42	8.90	2.57	5.06	
152	Aug-63	70.17	59.70	8.86	2.57	5.02	
153	Sep-63	70.43	59.97	8.82	2.57	4.98	
154	Oct-63	70.69	60.21	8.78	2.58	4.94	
155	Nov-63	70.93	60.45	8.74	2.58	4.90	
156	Dec-63	71.17	60.67	8.70	2.59	4.86	
157	Jan-64	71.40	60.89	8.67	2.59	4.83	
158	Feb-64	63.77	54.39	7.69	2.31	4.27	
159	Mar-64	63.95	54.42	7.58	2.30	4.17	
160	Apr-64	64.08	54.43	7.50	2.29	4.10	
161	May-64	64.19	54.36	7.42	2.29	4.04	
162	Jun-64	64.27	54.29	7.35	2.28	3.98	
163	Jul-64	64.34	54.21	7.28	2.27	3.93	
164	Aug-64	64.39	54.14	7.22	2.26	3.88	
165	Sep-64	64.43	54.06	7.16	2.26	3.84	
166	Oct-64	64.47	53.99	7.10	2.25	3.79	
167	Nov-64	64.49	53.92	7.05	2.24	3.75	
168	Dec-64	64.50	53.85	7.00	2.24	3.72	
169	Jan-65	64.50	53.78	6.95	2.23	3.68	
170	Feb-65	64.49	53.72	6.90	2.23	3.65	
171	Mar-65	64.47	53.64	6.86	2.22	3.61	
172	Apr-65	64.45	53.59	6.82	2.22	3.58	
173	May-65	64.42	53.52	6.78	2.21	3.55	
174	Jun-65	64.38	53.47	6.74	2.21	3.52	
175	Jul-65	64.33	53.40	6.70	2.20	3.50	
176	Aug-65	64.27	53.34	6.66	2.20	3.47	
177	Sep-65	64.20	53.27	6.63	2.19	3.44	
178	Oct-65	64.13	53.20	6.59	2.19	3.42	
179	Nov-65	64.05	53.14	6.56	2.18	3.40	
180	Dec-65	63.97	53.07	6.53	2.18	3.37	
181	Jan-66	63.88	53.00	6.50	2.17	3.35	
182	Feb-66	63.79	52.93	6.47	2.17	3.33	
183	Mar-66	63.68	52.84	6.44	2.16	3.31	
184	Apr-66	63.57	52.78	6.41	2.16	3.29	
185	May-66	63.46	52.70	6.38	2.15	3.27	
186	Jun-66	63.34	52.63	6.35	2.15	3.25	
187	Jul-66	63.21	52.54	6.33	2.14	3.23	
188	Aug-66	63.08	52.46	6.30	2.14	3.21	
189	Sep-66	62.94	52.38	6.27	2.13	3.20	
190	Oct-66	62.80	52.28	6.25	2.13	3.18	
191	Nov-66	62.65	52.20	6.22	2.12	3.16	
192	Dec-66	62.50	52.11	6.19	2.12	3.14	

Model Stress Period	Simulation Date	Single species simulation using MT3DMS model <sup>1</sup>	Multispecies simulation using TechFlowMP model <sup>2</sup>			
Fellou		PCE, in µg/L <sup>3</sup>	PCE, in µg/L⁴	1,2-tDCE, in μg/L⁵	TCE, in μg/L <sup>6</sup>	VC, in μg/L <sup>7</sup>
193	Jan-67	62.25	52.02	6.17	2.11	3.13
194	Feb-67	61.99	51.90	6.14	2.11	3.11
195	Mar-67	61.67	51.76	6.11	2.10	3.09
196	Apr-67	61.35	51.61	6.08	2.09	3.07
197	May-67	61.02	51.43	6.04	2.08	3.05
198	Jun-67	60.69	51.23	6.00	2.07	3.03
199	Jul-67	60.37	51.02	5.96	2.06	3.00
200	Aug-67	60.05	50.79	5.92	2.05	2.98
201	Sep-67	59.74	50.57	5.87	2.04	2.95
202	Oct-67	59.43	50.34	5.83	2.03	2.92
203	Nov-67	59.13	50.11	5.79	2.02	2.90
204	Dec-67	58.83	49.89	5.75	2.01	2.87
205	Jan-68	58.41	49.66	5.70	2.00	2.85
206	Feb-68	57.95	49.40	5.66	1.99	2.82
207	Mar-68	57.43	49.10	5.60	1.97	2.79
208	Apr-68	56.94	48.77	5.55	1.96	2.76
209	May-68	56.45	48.43	5.49	1.94	2.73
210	Jun-68	55.98	48.07	5.43	1.93	2.69
211	Jul-68	55.49	47.67	5.36	1.91	2.65
212	Aug-68	55.02	47.26	5.29	1.89	2.61
213	Sep-68	54.58	46.84	5.23	1.87	2.57
214	Oct-68	54.13	46.43	5.16	1.85	2.54
215	Nov-68	53.71	46.03	5.10	1.84	2.50
216	Dec-68	53.28	45.63	5.04	1.82	2.46
217	Jan-69	53.07	45.24	4.98	1.80	2.43
218	Feb-69	52.97	44.91	4.93	1.79	2.40
219	Mar-69	52.94	44.64	4.88	1.78	2.37
220	Apr-69	52.93	44.47	4.86	1.77	2.35
221	May-69	52.93	44.32	4.83	1.76	2.34
222	Jun-69	52.92	44.20	4.81	1.76	2.32
223	Jul-69	52.90	44.09	4.79	1.75	2.31
224	Aug-69	52.86	44.01	4.78	1.75	2.30
225	Sep-69	52.81	43.92	4.77	1.75	2.29
226	Oct-69	52.75	43.83	4.76	1.74	2.29
227	Nov-69	55.19	45.75	4.97	1.82	2.38
228	Dec-69	55.19	45.96	5.01	1.83	2.42
229	Jan-70	55.01	46.05	5.03	1.84	2.43
230	Feb-70	54.79	46.03	5.03	1.84	2.43
231	Mar-70	54.49	45.94	5.03	1.83	2.43
232	Apr-70	54.20	45.84	5.03	1.83	2.44
233	May-70	53.90	45.70	5.01	1.82	2.44
234	Jun-70	53.61	45.54	5.00	1.82	2.43
235	Jul-70	53.32	45.37	4.98	1.81	2.43
236	Aug-70	53.04	45.20	4.96	1.80	2.42
237	Sep-70	52.78	45.00	4.94	1.79	2.41
238	Oct-70	52.53	44.79	4.91	1.78	2.40
239	Nov-70	52.29	44.58	4.89	1.78	2.39
240	Dec-70	52.05	44.37	4.87	1.77	2.38

Model Stress Period	Simulation Date	Single species simulation using MT3DMS model <sup>1</sup>	Multis	pecies simulation us	ing TechFlowMP m	odel <sup>2</sup>
renou		PCE, in µg/L <sup>3</sup>	PCE, in µg/L⁴	1,2-tDCE, in μg/L⁵	TCE, in μg/L <sup>6</sup>	VC, in μg/L <sup>7</sup>
241	Jan-71	51.96	44.17	4.84	1.76	2.37
242	Feb-71	51.93	43.99	4.82	1.75	2.35
243	Mar-71	51.95	43.86	4.80	1.74	2.34
244	Apr-71	51.99	43.76	4.79	1.74	2.34
245	May-71	52.03	43.66	4.78	1.74	2.33
246	Jun-71	52.08	43.60	4.78	1.73	2.33
247	Jul-71	52.12	43.53	4.77	1.73	2.33
248	Aug-71	52.16	43.47	4.77	1.73	2.33
249	Sep-71	52.20	43.41	4.77	1.73	2.33
250	Oct-71	52.23	43.35	4.77	1.72	2.33
251	Nov-71	52.26	43.31	4.77	1.72	2.33
252	Dec-71	52.29	43.26	4.77	1.72	2.34
253	Jan-72	49.34	41.02	4.53	1.63	2.22
254	Feb-72	49.01	40.49	4.44	1.61	2.17
255	Mar-72	48.68	40.01	4.37	1.58	2.13
256	Apr-72	48.40	39.51	4.30	1.56	2.09
257	May-72	48.14	39.03	4.24	1.54	2.06
258	Jun-72	47.90	38.55	4.17	1.52	2.02
259	Jul-72	47.67	38.11	4.11	1.50	1.98
260	Aug-72	47.45	37.68	4.05	1.48	1.95
261	Sep-72	47.25	37.26	3.99	1.46	1.92
262	Oct-72	47.05	36.88	3.94	1.45	1.89
263	Nov-72	46.87	36.51	3.89	1.43	1.86
264	Dec-72	46.69	36.15	3.85	1.42	1.84
265	Jan-73	54.28	41.48	4.40	1.62	2.10
266	Feb-73	54.19	42.32	4.57	1.67	2.21
267	Mar-73	53.98	42.49	4.60	1.68	2.23
268	Apr-73	53.76	42.42	4.60	1.68	2.24
269	May-73	53.52	42.25	4.59	1.67	2.24
270	Jun-73	53.30	42.05	4.58	1.66	2.25
271	Jul-73	53.08	41.78	4.56	1.65	2.24
272	Aug-73	52.87	41.53	4.53	1.64	2.23
273	Sep-73	52.68	41.27	4.51	1.63	2.22
274	Oct-73	52.51	41.01	4.48	1.62	2.21
275	Nov-73	52.35	40.75	4.45	1.61	2.20
276	Dec-73	52.20	40.48	4.42	1.60	2.19
277	Jan-74	52.43	40.22	4.40	1.59	2.17
278	Feb-74	52.82	40.13	4.39	1.59	2.17
279	Mar-74	53.39	40.10	4.38	1.58	2.16
280	Apr-74	53.99	40.20	4.40	1.59	2.17
281	May-74	54.63	40.35	4.43	1.60	2.18
282	Jun-74	55.25	40.59	4.48	1.61	2.21
283	Jul-74	55.90	40.82	4.52	1.62	2.24
284	Aug-74	56.53	41.08	4.57	1.63	2.27
285	Sep-74	57.10	41.35	4.62	1.64	2.31
286	Oct-74	57.70	41.61	4.68	1.65	2.34
287	Nov-74	58.30	41.91	4.74	1.67	2.39
288	Dec-74	58.92	42.19	4.81	1.68	2.43

Model Stress Period	Simulation Date	Single species simulation using MT3DMS model <sup>1</sup>	Multispecies simulation using TechFlowMP model <sup>2</sup>			
Period		PCE, in µg/L <sup>3</sup>	PCE, in µg/L⁴	1,2-tDCE, in μg/L⁵	TCE, in μg/L <sup>6</sup>	VC, in μg/L <sup>7</sup>
289	Jan-75	61.00	43.76	5.02	1.74	2.55
290	Feb-75	61.24	43.90	5.06	1.75	2.59
291	Mar-75	61.41	44.03	5.11	1.75	2.63
292	Apr-75	61.57	44.18	5.16	1.76	2.68
293	May-75	61.72	44.29	5.20	1.77	2.71
294	Jun-75	61.88	44.38	5.24	1.77	2.75
295	Jul-75	62.05	44.45	5.28	1.77	2.78
296	Aug-75	62.25	44.52	5.31	1.78	2.81
297	Sep-75	62.46	44.57	5.34	1.78	2.83
298	Oct-75	62.69	44.62	5.36	1.78	2.85
299	Nov-75	62.92	44.69	5.39	1.78	2.87
300	Dec-75	63.18	44.74	5.41	1.78	2.89
301	Jan-76	73.96	51.53	6.24	2.06	3.34
302	Feb-76	74.94	53.43	6.62	2.15	3.60
303	Mar-76	75.97	54.44	6.80	2.20	3.72
304	Apr-76	76.97	55.38	6.99	2.24	3.85
305	May-76	78.00	56.21	7.16	2.28	3.98
306	Jun-76	79.02	57.07	7.34	2.32	4.10
307	Jul-76	80.07	57.86	7.51	2.35	4.22
308	Aug-76	81.13	58.73	7.69	2.39	4.34
309	Sep-76	82.17	59.58	7.86	2.43	4.46
310	Oct-76	83.25	60.41	8.02	2.46	4.57
311	Nov-76	84.31	61.28	8.19	2.50	4.68
312	Dec-76	85.41	62.10	8.35	2.53	4.79
313	Jan-77	86.61	62.97	8.52	2.57	4.89
314	Feb-77	87.70	63.98	8.71	2.62	5.01
315	Mar-77	88.91	64.81	8.86	2.65	5.11
316	Apr-77	90.10	65.83	9.05	2.70	5.22
317	May-77	91.32	66.76	9.21	2.74	5.32
318	Jun-77	92.53	67.76	9.38	2.78	5.43
319	Jul-77	93.75	68.70	9.55	2.82	5.53
320	Aug-77	94.99	69.70	9.72	2.86	5.63
321	Sep-77	96.20	70.70	9.88	2.90	5.72
322	Oct-77	97.42	71.65	10.04	2.94	5.82
323	Nov-77	98.62	72.71	10.21	2.99	5.92
324	Dec-77	99.84	73.68	10.36	3.03	6.00
325	Jan-78	101.18	74.73	10.53	3.07	6.10
326	Feb-78	102.77	76.25	10.80	3.14	6.26
327	Mar-78	103.04	78.73	11.26	3.26	6.56
328	Apr-78	104.31	77.97	11.02	3.21	6.37
329	May-78	105.18	79.28	11.27	3.27	6.53
330	Jun-78	106.88	79.72	11.29	3.28	6.51
331	Jul-78	107.95	82.31	11.78	3.41	6.83
332	Aug-78	108.69	83.81	12.00	3.47	6.96
333	Sep-78	109.61	84.16	12.00	3.48	6.93
334	Oct-78	111.18	84.92	12.09	3.51	6.97
335	Nov-78	111.08	87.48	12.55	3.63	7.25
336	Dec-78	111.93	85.67	12.04	3.52	6.87

Model Stress Period	Simulation Date	Single species simulation using MT3DMS model <sup>1</sup>	Multis	Multispecies simulation using TechFlowMP model <sup>2</sup>			
renou		PCE, in μg/L <sup>3</sup>	PCE, in µg/L⁴	1,2-tDCE, in μg/L⁵	TCE, in μg/L <sup>6</sup>	VC, in μg/L <sup>7</sup>	
337	Jan-79	113.14	85.41	11.95	3.50	6.79	
338	Feb-79	114.05	86.75	12.16	3.56	6.91	
339	Mar-79	114.98	87.55	12.23	3.60	6.93	
340	Apr-79	115.82	88.43	12.32	3.63	6.97	
341	May-79	116.68	89.21	12.40	3.66	7.00	
342	Jun-79	117.47	90.09	12.49	3.70	7.05	
343	Jul-79	118.29	90.82	12.56	3.73	7.07	
344	Aug-79	119.08	91.67	12.65	3.76	7.11	
345	Sep-79	119.82	92.44	12.72	3.79	7.14	
346	Oct-79	120.59	93.22	12.81	3.82	7.18	
347	Nov-79	121.31	94.00	12.88	3.85	7.21	
348	Dec-79	122.04	94.78	12.96	3.89	7.24	
349	Jan-80	123.28	95.56	13.03	3.92	7.27	
350	Feb-80	122.98	98.20	13.49	4.04	7.56	
351	Mar-80	124.03	96.35	12.98	3.94	7.19	
352	Apr-80	123.90	97.86	13.28	4.01	7.39	
353	May-80	124.69	96.00	12.78	3.90	7.03	
354	Jun-80	125.83	96.23	12.80	3.91	7.03	
355	Jul-80	0.72	0.00	0.00	0.00	0.00	
356	Aug-80	0.75	0.00	0.00	0.00	0.00	
357	Sep-80	121.36	95.07	12.43	3.92	6.83	
358	Oct-80	121.72	91.40	11.24	3.63	5.84	
359	Nov-80	122.14	91.00	11.17	3.63	5.82	
360	Dec-80	122.95	90.64	11.14	3.62	5.81	
361	Jan-81	114.05	84.14	10.41	3.37	5.46	
362	Feb-81	114.39	84.80	10.53	3.41	5.55	
363	Mar-81	115.60	84.13	10.37	3.37	5.44	
364	Apr-81	116.55	85.90	10.74	3.46	5.69	
365	May-81	117.30	87.53	11.02	3.54	5.87	
366	Jun-81	118.36	88.90	11.26	3.60	6.03	
367	Jul-81	133.29	102.10	13.12	4.17	7.09	
368	Aug-81	134.31	105.46	13.75	4.33	7.50	
369	Sep-81	120.72	96.34	12.64	3.96	6.93	
370	Oct-81	121.04	96.29	12.60	3.95	6.90	
371	Nov-81	121.41	96.69	12.67	3.96	6.93	
372	Dec-81	121.81	97.27	12.74	3.98	6.97	
373	Jan-82	103.95	81.28	10.65	3.33	5.81	
374	Feb-82	105.86 107.52	83.47	11.06	3.43	6.09	
375	Mar-82		85.42	11.40	3.51	6.31	
376	Apr-82	108.83	87.32	11.75	3.60	6.55	
377	May-82	148.50	120.45	16.30	4.98	9.13	
						7.26	
						7.21	
	-					7.34	
						7.46	
						7.57	
						7.51 6.88	
378 379 380 381 382 383 384	Jun-82 Jul-82 Aug-82 Sep-82 Oct-82 Nov-82 Dec-82	110.78 111.98 113.07 114.04 114.60 113.87 115.16	92.65 92.98 94.09 95.33 96.51 96.63 93.14	12.81 12.77 12.97 13.18 13.37 13.31 12.43	3.86 3.86 3.91 3.96 4.01 4.00 3.80		

Model Stress Period	Simulation Date	Single species simulation using MT3DMS model <sup>1</sup>	Multis	pecies simulation usi	ing TechFlowMP m	odel <sup>2</sup>
renou		PCE, in µg/L <sup>3</sup>	PCE, in μg/L⁴	1,2-tDCE, in μg/L⁵	TCE, in μg/L <sup>6</sup>	VC, in μg/L <sup>7</sup>
385	Jan-83	1.25	0.10	0.04	0.00	0.05
386	Feb-83	1.29	0.12	0.05	0.01	0.07
387	Mar-83	111.76	88.43	11.55	3.65	6.37
388	Apr-83	112.66	86.39	10.85	3.43	5.77
389	May-83	113.97	87.67	11.04	3.52	5.88
390	Jun-83	106.10	82.26	10.54	3.33	5.70
391	Jul-83	116.70	92.03	11.95	3.75	6.52
392	Aug-83	117.72	94.46	12.45	3.87	6.87
393	Sep-83	117.83	96.92	12.94	3.99	7.21
394	Oct-83	117.97	96.60	12.82	3.96	7.12
395	Nov-83	118.63	95.49	12.58	3.89	6.95
396	Dec-83	120.78	95.52	12.60	3.89	6.96
397	Jan-84	132.87	111.52	15.09	4.61	8.43
398	Feb-84	180.39	145.48	19.20	5.94	10.56
399	Mar-84	183.02	155.54	21.34	6.47	11.97
400	Apr-84	151.46	132.07	18.23	5.52	10.26
401	May-84	153.42	132.19	18.09	5.49	10.13
402	Jun-84	182.13	158.14	21.85	6.60	12.28
403	Jul-84	156.39	140.96	19.72	5.92	11.14
404	Aug-84	170.47	118.88	16.05	4.81	8.94
405	Sep-84	181.22	149.36	19.60	6.17	11.20
406	Oct-84	173.73	136.04	17.33	5.56	9.39
407	Nov-84	173.77	131.63	16.46	5.34	8.87
408	Dec-84	173.18	128.47	15.83	5.18	8.46
409	Jan-85	176.12	127.80	15.48	5.13	8.20
410	Feb-85	3.64	1.10	0.29	0.05	0.22
411	Mar-85	8.71	3.88	0.68	0.17	0.47
412	Apr-85	8.09	3.70	0.68	0.16	0.49
413	May-85	4.76	1.65	0.44	0.07	0.35
414	Jun-85	5.14	1.88	0.50	0.08	0.41
415	Jul-85	5.54	2.10	0.56	0.09	0.47
416	Aug-85	6.01	2.34	0.63	0.10	0.52
417	Sep-85	6.50	2.62	0.71	0.12	0.59
418	Oct-85	7.06	2.91	0.79	0.13	0.65
419	Nov-85	7.64	3.24	0.87	0.15	0.71
420	Dec-85	8.27	3.58	0.95	0.16	0.76
421	Jan-86	8.85	3.95	1.04	0.18	0.82
422	Feb-86	9.42	4.24	1.08	0.19	0.83
423	Mar-86	12.14	5.40	1.34	0.24	1.01
424	Apr-86	10.83	4.93	1.20	0.22	0.89
425	May-86	11.56	5.25	1.25	0.23	0.91
426	Jun-86	12.28	5.61	1.30	0.25	0.92
427	Jul-86	13.06	5.97	1.35	0.26	0.94
428	Aug-86	13.84	6.36	1.39	0.28	0.96
429	Sep-86	14.61	6.75	1.44	0.30	0.97
430	Oct-86	15.42	7.12	1.48	0.31	0.99
431	Nov-86	16.21	7.52	1.52	0.33	1.00
432	Dec-86	17.03	7.89	1.56	0.34	1.01

Model Stress Period	Simulation Date	Single species simulation using MT3DMS model <sup>1</sup>	Multis	pecies simulation u	sing TechFlowMP	model <sup>2</sup>
renou		PCE, in µg/L <sup>3</sup>	PCE, in µg/L⁴	1,2-tDCE, in μg/L⁵	TCE, in μg/L <sup>6</sup>	VC, in μg/L <sup>7</sup>
433	Jan-87	17.85	8.28	1.59	0.36	1.01
434	Feb-87	18.49	8.71	1.64	0.38	1.03
435	Mar-87	WTP closed	WTP closed	WTP closed	WTP closed	WTP closed
436	Apr-87	WTP closed	WTP closed	WTP closed	WTP closed	WTP closed
437	May-87	WTP closed	WTP closed	WTP closed	WTP closed	WTP closed
438	Jun-87	WTP closed	WTP closed	WTP closed	WTP closed	WTP closed
439	Jul-87	WTP closed	WTP closed	WTP closed	WTP closed	WTP closed
440	Aug-87	WTP closed	WTP closed	WTP closed	WTP closed	WTP closed
441	Sep-87	WTP closed	WTP closed	WTP closed	WTP closed	WTP closed
442	Oct-87	WTP closed	WTP closed	WTP closed	WTP closed	WTP closed
443	Nov-87	WTP closed	WTP closed	WTP closed	WTP closed	WTP closed
444	Dec-87	WTP closed	WTP closed	WTP closed	WTP closed	WTP closed
445	Jan-88	WTP closed	WTP closed	WTP closed	WTP closed	WTP closed
446	Feb-88	WTP closed	WTP closed	WTP closed	WTP closed	WTP closed
447	Mar-88	WTP closed	WTP closed	WTP closed	WTP closed	WTP closed
448	Apr-88	WTP closed	WTP closed	WTP closed	WTP closed	WTP closed
449	May-88	WTP closed	WTP closed	WTP closed	WTP closed	WTP closed
450	Jun-88	WTP closed	WTP closed	WTP closed	WTP closed	WTP closed
451	Jul-88	WTP closed	WTP closed	WTP closed	WTP closed	WTP closed
452	Aug-88	WTP closed	WTP closed	WTP closed	WTP closed	WTP closed
453	Sep-88	WTP closed	WTP closed	WTP closed	WTP closed	WTP closed
454	Oct-88	WTP closed	WTP closed	WTP closed	WTP closed	WTP closed
455	Nov-88	WTP closed	WTP closed	WTP closed	WTP closed	WTP closed
456	Dec-88	WTP closed	WTP closed	WTP closed	WTP closed	WTP closed
457	Jan-89	WTP closed	WTP closed	WTP closed	WTP closed	WTP closed
458	Feb-89	WTP closed	WTP closed	WTP closed	WTP closed	WTP closed
459	Mar-89	WTP closed	WTP closed	WTP closed	WTP closed	WTP closed
460	Apr-89	WTP closed	WTP closed	WTP closed	WTP closed	WTP closed
461	May-89	WTP closed	WTP closed	WTP closed	WTP closed	WTP closed
462	Jun-89	WTP closed	WTP closed	WTP closed	WTP closed	WTP closed
463	Jul-89	WTP closed	WTP closed	WTP closed	WTP closed	WTP closed
464	Aug-89	WTP closed	WTP closed	WTP closed	WTP closed	WTP closed
465	Sep-89	WTP closed	WTP closed	WTP closed	WTP closed	WTP closed
466	Oct-89	WTP closed	WTP closed	WTP closed	WTP closed	WTP closed
467	Nov-89	WTP closed	WTP closed	WTP closed	WTP closed	WTP closed
468	Dec-89	WTP closed	WTP closed	WTP closed	WTP closed	WTP closed
469	Jan-90	WTP closed	WTP closed	WTP closed	WTP closed	WTP closed
470	Feb-90	WTP closed	WTP closed	WTP closed	WTP closed	WTP closed
471	Mar-90	WTP closed	WTP closed	WTP closed	WTP closed	WTP closed
472	Apr-90	WTP closed	WTP closed	WTP closed	WTP closed	WTP closed
473	May-90	WTP closed	WTP closed	WTP closed	WTP closed	WTP closed
474	Jun-90	WTP closed	WTP closed	WTP closed	WTP closed	WTP closed
475	Jul-90	WTP closed	WTP closed	WTP closed	WTP closed	WTP closed
476	Aug-90	WTP closed	WTP closed	WTP closed	WTP closed	WTP closed
477	Sep-90	WTP closed	WTP closed	WTP closed	WTP closed	WTP closed
478	Oct-90	WTP closed	WTP closed	WTP closed	WTP closed	WTP closed
479	Nov-90	WTP closed	WTP closed	WTP closed	WTP closed	WTP closed
480	Dec-90	WTP closed	WTP closed	WTP closed	WTP closed	WTP closed

Model Stress Period	Simulation Date	Single species simulation using MT3DMS model <sup>1</sup>	Multispecies simulation using TechFlowMP model <sup>2</sup>					
Periou		PCE, in µg/L <sup>3</sup>	PCE, in μg/L <sup>4</sup>	1,2-tDCE, in μg/L⁵	TCE, in μg/L <sup>6</sup>	VC, in μg/L <sup>7</sup>		
481	Jan-91	WTP closed	WTP closed	WTP closed	WTP closed	WTP closed		
482	Feb-91	WTP closed	WTP closed	WTP closed	WTP closed	WTP closed		
483	Mar-91	WTP closed	WTP closed	WTP closed	WTP closed	WTP closed		
484	Apr-91	WTP closed	WTP closed	WTP closed	WTP closed	WTP closed		
485	May-91	WTP closed	WTP closed	WTP closed	WTP closed	WTP closed		
486	Jun-91	WTP closed	WTP closed	WTP closed	WTP closed	WTP closed		
487	Jul-91	WTP closed	WTP closed	WTP closed	WTP closed	WTP closed		
488	Aug-91	WTP closed	WTP closed	WTP closed	WTP closed	WTP closed		
489	Sep-91	WTP closed	WTP closed	WTP closed	WTP closed	WTP closed		
490	Oct-91	WTP closed	WTP closed	WTP closed	WTP closed	WTP closed		
491	Nov-91	WTP closed	WTP closed	WTP closed	WTP closed	WTP closed		
492	Dec-91	WTP closed	WTP closed	WTP closed	WTP closed	WTP closed		
493	Jan-92	WTP closed	WTP closed	WTP closed	WTP closed	WTP closed		
494	Feb-92	WTP closed	WTP closed	WTP closed	WTP closed	WTP closed		
495	Mar-92	WTP closed	WTP closed	WTP closed	WTP closed	WTP closed		
496	Apr-92	WTP closed	WTP closed	WTP closed	WTP closed	WTP closed		
497	May-92	WTP closed	WTP closed	WTP closed	WTP closed	WTP closed		
498	Jun-92	WTP closed	WTP closed	WTP closed	WTP closed	WTP closed		
499	Jul-92	WTP closed	WTP closed	WTP closed	WTP closed	WTP closed		
500	Aug-92	WTP closed	WTP closed	WTP closed	WTP closed	WTP closed		
501	Sep-92	WTP closed	WTP closed	WTP closed	WTP closed	WTP closed		
502	Oct-92	WTP closed	WTP closed	WTP closed	WTP closed	WTP closed		
503	Nov-92	WTP closed	WTP closed	WTP closed	WTP closed	WTP closed		
504	Dec-92	WTP closed	WTP closed	WTP closed	WTP closed	WTP closed		
505	Jan-93	WTP closed	WTP closed	WTP closed	WTP closed	WTP closed		
506	Feb-93	WTP closed	WTP closed	WTP closed	WTP closed	WTP closed		
507	Mar-93	WTP closed	WTP closed	WTP closed	WTP closed	WTP closed		
508	Apr-93	WTP closed	WTP closed	WTP closed	WTP closed	WTP closed		
509	May-93	WTP closed	WTP closed	WTP closed	WTP closed	WTP closed		
510	Jun-93	WTP closed	WTP closed	WTP closed	WTP closed	WTP closed		
511	Jul-93	WTP closed	WTP closed	WTP closed	WTP closed	WTP closed		
512	Aug-93	WTP closed	WTP closed	WTP closed	WTP closed	WTP closed		
513	Sep-93	WTP closed	WTP closed	WTP closed	WTP closed	WTP closed		
514	Oct-93	WTP closed	WTP closed	WTP closed	WTP closed	WTP closed		
515	Nov-93	WTP closed	WTP closed	WTP closed	WTP closed	WTP closed		
516	Dec-93	WTP closed	WTP closed	WTP closed	WTP closed	WTP closed		
517	Jan-94	WTP closed	WTP closed	WTP closed	WTP closed	WTP closed		
518	Feb-94	WTP closed	WTP closed	WTP closed	WTP closed	WTP closed		
519	Mar-94	WTP closed	WTP closed	WTP closed	WTP closed	WTP closed		
520	Apr-94	WTP closed	WTP closed	WTP closed	WTP closed	WTP closed		
521	May-94	WTP closed	WTP closed	WTP closed	WTP closed	WTP closed		
522	Jun-94	WTP closed	WTP closed	WTP closed	WTP closed	WTP closed		
523	Jul-94	WTP closed	WTP closed	WTP closed	WTP closed	WTP closed		
524	Aug-94	WTP closed	WTP closed	WTP closed	WTP closed	WTP closed		
525	Sep-94	WTP closed	WTP closed	WTP closed	WTP closed	WTP closed		
526	Oct-94	WTP closed	WTP closed	WTP closed	WTP closed	WTP closed		
527	Nov-94	WTP closed	WTP closed	WTP closed	WTP closed	WTP closed		
528	Dec-94	WTP closed	WTP closed	WTP closed	WTP closed	WTP closed		

Model Stress Period	Simulation Date	Single species simulation using MT3DMS model <sup>1</sup>	Multis	species simulation us	sing TechFlowMP	model <sup>2</sup>
- Chou		PCE, in µg/L <sup>3</sup>	PCE, in μg/L⁴	1,2-tDCE, in μg/L⁵	TCE, in μg/L <sup>6</sup>	VC, in μg/L <sup>7</sup>
Footnotes						
1		e-dimensional mass trans evelopment Center in Vick		developed by C. Zheng and /hydro.geo.ua.edu/mt3d/)	P. Wang on behalf of th	e U.S. Army Engineer
2			<i>'</i>	transport model developed   (http://mesl.ce.gatech.edu)	by the Multimedia Enviro	nmental Simulations
3		ethylene; results from Cha		,		
4	PCE: tetrachloro	ethylene; results from Cha	apter G report (Jang and	Aral In press 2007)		
5	1,2-tDCE: trans-	1,2-dichloroethylene; resu	Its from Chapter G report	(Jang and Aral In press 20	07)	
6	TCE: trichloroeth	ylene; results from Chapt	er G report (Jang and Ara	al In press 2007)		
7	VC: vinyl chloride	e; results from Chapter G	report (Jang and Aral In p	press 2007)		
References						
Chapter A	Krueger AL. Ana U.S. Marine Corr	lyses of Groundwater Flor	w, Contaminant Fate and lorth Carolina: Historical I	ang W, Wang J, Bove FJ, R Transport, and Distribution Reconstruction and Present press 2007.	of Drinking Water at Tar	awa Terrace and Vicinity,
Chapter F	U.S. Marine Corp	os Base Camp Lejeune, N	lorth Carolina: Historical I	ansport, and Distribution of Reconstruction and Present or Toxic Substances and Di	-Day ConditionsChapte	er F: Simulation of the Fate
Chapter G	Vicinity, U.S. Ma Three-Dimensior	rine Corps Base Camp Le	ejeune, North Carolina: Hi se Mass Transport of Tet	Fate and Transport, and Di storical Reconstruction and rachloroethylene (PCE) and	Present-Day Conditions	Chapter G: Simulation of
Notes						
1	The maximum co 2002 edition)	ontaminant level (MCL) fo	r tetrachloroethylene (PC	E) is 5 micrograms per liter	(Ig/L), effective July 6, 19	992 (40 CFR 141.60, 7-1-
2	The MCL for tran	s-1,2-dichloroethylene (1	,2-tDCE) is 100 microgra	ns per liter (μg/L), effective	July 6, 1992 (40 CFR 14	1.60, 7-1-2002 edition)
3	The MCL for trick	nloroethylene (TCE) is 5 n	nicrograms per liter (µg/L)	, effective January 9, 1989	(40 CFR 141.60, 7-1-200	2 edition)
4	The MCL for viny	I chloride is 2 micrograms	s per liter (µg/L), effective	January 9, 1989 (40 CFR 1	41.60, 7-1-2002 edition)	
Disclaimer	purposes. All dat and current mode	a, analyses, and compute eling assumptions. The re	er-simulation results have sults however, may not re	ble at this Web site are pro- been reviewed for accuracy eflect the actual exposure o d, may change interpretatio	y and completeness base f specific individuals to co	ed on available information