

Appendix C
Historical Soil Analytical Data
River Terrace Site Remedial Investigation

Appendix C

Historical Soil Analytical Data (ug/Kg) for Benzene, PCE, and PCE Degradation Products River Terrace RV Park Soldotna, Alaska

Location	Sample ID	Reference	Date Sampled	Beginning Depth (ft)	Ending Depth (ft)	Vinyl Chloride	1,1-DCE	cis-1,2-DCE	trans-1,2-DCE	TCE	PCE
						ACL=2,100	ACL=7,100	ACL=72,100	ACL=87,300	ACL=300,000	ACL=1,500
MW-1A	97-RTGW-009-SL	18	7/10/97	40.00	42.00	<50	<50	<50	<50	<5	<50
MW-2	97-RTGW-013-SL	18	7/10/97	5.00	7.00	<50	<50	<50	<50	<50	<50
MW-3	97-RTGW-044-SL	18	7/19/97	10.00	12.00	<500	<250	290 J	<250	<250	460
MW-3	97-RTGW-047-SL	18	7/19/97	16.00	18.00	<1200	<620	<1600	<620	<620	<620
MW-3A	MW-3A 10-11.5	17	7/1/98	10.00	11.50	<2	<2	<2	<2	<2	<2
MW-3A	MW-3A 15-16.5	17	7/1/98	15.00	16.50	<2	<2	<2	<2	<2	<2
MW-3A	MW-3A 25-26.5	17	7/1/98	25.00	26.50	<2	<2	<2	<2	<2	3
MW-4	97-RTGW-048-SL	18	7/20/97	0.00	0.50	<25	<25	<25	<25	<25	160
MW-4	97-RTGW-077-SL	18	7/20/97	10.00	11.00	<25	<25	94	<25	56	1600
MW-4	97-RTGW-070-SL	18	7/20/97	0.00	0.50	<25	<25	<25	<25	<25	630
MW-4	97-RTGW-049-SL	18	7/20/97	0.00	0.50	<25	<25	<25	<25	<25	170
MW-4	97-RTGW-069-SL	18	7/20/97	0.00	0.50	<25	<25	<25	<25	<25	630
MW-4A	MW-4A 10-11.5	17	6/30/98	10.00	11.50	<2	<2	5	<2	<2	25
MW-4A	MW-4A 15-16.5	17	6/30/98	15.00	16.50	<2	<2	<2	<2	<2	12
MW-5	97-RTGW-053-SL	18	7/19/97	4.00	6.00	<25	<25	160	<25	<25	56
MW-6	97-RTGW-062-SL	18	7/20/97	9.00	10.00	<25	<25	30	<25	<25	<25
MW-6	97-RTGW-058-SL	18	7/20/97	4.00	6.00	<25	<25	420	<25	160	220
MW-6	97-RTGW-059-SL	18	7/20/97	4.00	6.00	<25	<25	410	<25	160	220
MW-7	97-RTGW-067-SL	18	7/20/97	8.00	9.00	<25	<25	490	<25	210	350
MW-8	MW-8,10-11.5	17	8/1/98	10.00	11.50	<3	<3	<3	<3	<3	<3

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River Terrace RV Park Soldotna, Alaska

Location	Sample ID	Reference	Date Sampled	Beginning Depth (ft)	Ending Depth (ft)	Vinyl Chloride ACL=2,100	1,1-DCE ACL=7,100	cis-1,2-DCE ACL=72,100	trans-1,2-DCE ACL=87,300	TCE ACL=300,000	PCE ACL=11,500
MW-9	MW-9 10-11.5	17	6/30/98	10.00	11.50	<2	<2	37	<2	7	170
MW-9	MW-9 15-16.5	17	6/30/98	15.00	16.50	<3	<3	69	<3	<3	11
MW-9	MW-9 20-21.5	17	6/30/98	20.00	21.50	<2	<2	<2	<2	<2	4
MW-10	MW-10,15-16.5	17	8/1/98	15.00	16.50	<2	<2	<2	<2	<2	<2
MW-11	SB-5/MW-11	16	11/12/98	5.00	6.50	<2	<2	<2	<2	<2	<2
MW-12	98DOTROW-015-SL	19	10/29/98	0.00	2.00	<600	<300	<150	<300	<300	<300
MW-12	98DOTROW-016-SL	19	10/29/98	2.00	4.00	<570	<290	<140	<140	<290	<290
MW-12	98DOTROW-017-SL	19	10/29/98	4.00	6.00	<710	<350	380	<180	<350	<350
MW-12	98DOTROW-018-SL	19	10/29/98	6.00	8.00	<570	<290	330	<140	<290	<290
MW-13	98DOTROW-020-SL	19	12/7/98	5.00	6.50	<610	<310	<150	<150	<310	<310
MW-13	98DOTROW-019-SL	19	12/7/98	2.50	5.00	<580	<290	<150	<150	<290	<290
MW-13	98DOTROW-018-SL	19	12/7/98	0.00	2.50	<570	<280	<140	<140	<280	<280
MW-13	98DOTROW-021-SL	19	12/7/98	10.00	11.50	<620	<310	<150	<150	<310	<310
MW-14	98DOTROW-001-SL	19	10/28/98	8.00	10.00	<550	<280	<140	<140	<280	<280
MW-14	98DOTROW-002-SL	19	10/28/98	14.00	16.00	<290	<150	<73	<73	<150	160
MW-14	98DOTROW-003-SL	19	10/28/98	18.00	20.00	<390	<190	<96	<96	<190	<190
MW-14	98DOTROW-004-SL	19	10/28/98	20.00	22.00	<390	<190	<97	<97	<190	<190
MW-15	99-RT-009-SL	10	6/23/99	12.00	14.00	<5	<5	<5	<5	6	47 J
MW-15	99-RT-013-SL	10	6/23/99	34.00	36.00	<5	<5	<5	<5	<5	<5
MW-15	99-RT-012-SL	10	6/23/99	30.00	32.00	<5	<5	<5	<5	<5	<5
MW-15	99-RT-010-SL	10	6/23/99	12.00	14.00	<11	<5.6	28	<5.6	25	100
MW-15	99-RT-008-SL	10	6/23/99	12.00	14.00	<5	<5	7	<5	8	55 J
MW-15	99-RT-011-SL	10	6/23/99	22.00	24.00	<5	<5	<5	<5	<5	<5

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Location	Sample ID	Reference	Date Sampled	Beginning Depth (ft)	Ending Depth (ft)	Vinyl Chloride ACL=2,100	1,1-DCE ACL=7,100	cis-1,2-DCE ACL=72,100	trans-1,2-DCE ACL=87,300	TCE ACL=300,000	PCE ACL=11,500
E&E-MW-15	98DOTROW-022-SL	19	12/7/98	0.00	2.50	<590	<300	<150	<150	<300	<300
E&E-MW-15	98DOTROW-023-SL	19	12/7/98	5.00	6.50	<580	<290	<140	<140	<290	<290
MW-16	99-RT-001-SL	10	6/22/99	10.00	12.00	<5	<5	<5	<5	<5	8 J
MW-17	99-RT-014-SL	10	6/24/99	15.00	17.00	<5	<5	<5	<5	<5	<5
MW-17	99-RT-017-SL	10	6/24/99	34.00	36.00	<5	<5	<5	<5	<5	<5
MW-17	99-RT-015-SL	10	6/24/99	20.00	22.00	<5	<5	<5	<5	<5	<5
MW-17	99-RT-016-SL	10	6/24/99	27.00	29.00	<5	<5	<5	<5	<5	<5
MW-18	99-RT-018-SL	10	6/24/99	14.00	16.00	<5	<5	<5	<5	<5	<5
MW-18	99-RT-019-SL	10	6/24/99	16.00	18.00	<5	<5	<5	<5	<5	<5
MW-18	99-RT-020-SL	10	6/24/99	24.00	26.00	<5	<5	<5	<5	<5	<5
MW-18	99-RT-021-SL	10	6/24/99	30.00	32.00	<5	<5	<5	<5	<5	<5
MW-18	99-RT-022-SL	10	6/24/99	34.00	36.00	<5	<5	<5	<5	<5	<5
MW-19	99-RT-023-SL	10	6/25/99	8.00	10.00	<25	<25	25	<25	120	2000
MW-19	99-RT-026-SL	10	6/25/99	12.00	14.00	<5	<5	500	7	98	890
MW-19	99-RT-027-SL	10	6/25/99	12.00	14.00	<25	<25	480	<25	130	660
MW-19	99-RT-028-SL	10	6/25/99	12.00	14.00	<11	<5.7	190	3.8 J	52	200
MW-20	99-RT-032-SL	10	6/25/99	10.00	12.00	<5	<5	15	<5	<5	6
MW-20	99-RT-029-SL	10	6/25/99	5.00	7.00	<5	<5	620	6	130	190
MW-20	99-RT-030-SL	10	6/25/99	5.00	7.00	<5	<5	380	6	140	140
MW-20	99-RT-031-SL	10	6/25/99	5.00	7.00	<11	<5.6	430	5.2 J	100	120
MW-21	99-RT-035-SL	14	8/31/99	15.00	17.00	<5	<5	18	<5	17	72
MW-22	99-RT-034-SL	14	8/31/99	20.00	22.00	<5	<5	<5	<5	<5	<5

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River Terrace RV Park Soldotna, Alaska

<i>Location</i>	<i>Sample ID</i>	<i>Reference</i>	<i>Date Sampled</i>	<i>Beginning Depth (ft)</i>	<i>Ending Depth (ft)</i>	<i>Vinyl Chloride 1,1-DCE</i> <i>ACL=2,100</i>	<i>cis-1,2-DCE</i> <i>ACL=72,100</i>	<i>trans-1,2-DCE</i> <i>ACL=87,300</i>	<i>TCE</i> <i>ACL=300,000</i>	<i>PCE</i> <i>ACL=11,500</i>
MW-23	99-RT-033-SL	14	8/31/99	20.00	22.00	<5	<5	<5	<5	<5
MW-24	99-RT-036-SL	14	9/1/99	5.00	7.00	<5	100	<5	39	100
MW-25	99-RT-037-SL	14	9/1/99	20.00	22.00	<5	6	<5	9	190
MW-26	99-RT-038-SL	14	9/2/99	5.00	7.00	<5	17	<5	6	31
MW-28	99-RT-042-SL	13	11/2/99	12.00	14.00	<5	<5	<5	<5	<5 J
MW-29	99-RT-052-SL	13	11/4/99	13.00	15.00	<5	<5	<5	<5	9
MW-30	99-RT-054-SL	13	11/5/99	11.00	13.00	<5	<5	<5	<5	<5
MW-31	99-RT-048-SL	13	11/3/99	15.00	17.00	<5	<5	<5	<5	<5 J
MW-32	99-RT-049-SL	13	11/3/99	20.00	22.00	<5	<5	<5	<5	<5 J
MW-33	99-RT-053-SL	13	11/4/99	7.00	7.00	<5	<5	<5	<5	37
MW-34	00-RT-004-SL	22	1/13/00	19.50	21.50	<1.9	<1.9	<1.9	<1.9	<1.9
MW-34	00-RT-001-SL	22	1/13/00	10.00	12.00	<0.81	<0.81	<0.81	<0.81	<0.81
MW-34	00-RT-002-SL	22	1/13/00	10.00	12.00	<0.68	<0.68	<0.68	<0.68	<0.68
MW-34	00-RT-003-SL	22	1/13/00	14.00	16.00	<0.69	<0.69	<0.69	<0.69	<0.69
SB-01	99-RT-004-SL	10	6/22/99	25.00	27.00	<5	<5	<5	<5	<5
SB-01	99-RT-002-SL	10	6/22/99	15.00	17.00	<5	6	<5	66	10 J
SB-01	99-RT-003-SL	10	6/22/99	20.00	22.00	<50	170	<10	880	360
SB-02	99-RT-005-SL	10	6/22/99	15.00	17.00	<5	<5	<5	<5	39 J
SB-02	99-RT-006-SL	10	6/22/99	20.00	22.00	<5	9	<5	6	39 J

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Location	Sample ID	Reference	Date Sampled	Beginning Depth (ft)	Ending Depth (ft)	Vinyl Chloride 1,1-DCE ACL=2,100	cis-1,2-DCE ACL=72,100	trans-1,2-DCE ACL=87,300	TCE ACL=300,000	PCE ACL=11,500
SB-02	99-RT-007-SL	10	6/22/99	25.00	27.00	<5	<5	<5	<5	<5
E&E-SB-1	97-RTGW-031-SL	18	7/10/97	30.00	32.00	<50	<50	<50	<50	<50
SB-2A	SB-2A 30-31.5	17	6/29/98	30.00	31.50	<2	7	<2	2	100
SB-2A	SB-2A 35-36	17	6/29/98	35.00	36.00	<2	14	<2	3	120
SB-2A	SB-2A 35-36D	17	6/29/98			<2	13	<2	<2	110
SB-2B	SB-2B 30-31.5	17	6/30/98	30.00	31.50	<2	<2	<2	<2	560
SB-2B	SB-2B 35-36.5	17	6/30/98	35.00	36.50	<2	<2	<2	<2	410 H
SB-2B	SB-2B 35-36.5D	17	6/30/98			<2	<2	<2	<2	720 H
SB-3A	SB-3A 22.5-24	17	6/29/98	22.50	24.00	<2	<2	<2	<2	39
SB-3A	SB-3A 35-36.5	17	6/29/98	35.00	36.50	<2	<2	<2	<2	310
SB-3A	SB-3A 30-31.5D	17	6/29/98			<2	<2	<2	<2	20000
SB-3A	SB-3A 30-31.5	17	6/29/98	30.00	31.50	<2	<2	<2	<2	15000
SB-3A	SB-3A 20-21.5	17	6/29/98	20.00	21.50	<2	3	<2	8	33
SB-3A	SB-3A 25-26.5	17	6/29/98	25.00	26.50	<2	<2	<2	<2	10000
SB-3B	SB-3B 20-21.5	17	6/29/98	20.00	21.50	<2	<2	<2	<2	32
SB-3B	SB-3B 20-21.5D	17	6/29/98			<2	<2	<2	<2	43
SB-4	SB-4 10-11.5	16	11/11/98	10.00	11.50	<2	<2	<2	<2	<2
SB-4	SB-4 5-6.5	16	11/11/98	5.00	6.50	<2	<2	<2	<2	<2
E&E-SB-4	98DOTROW-005-SL	19	10/28/98	4.00	6.00	<410	<100	<100	<200	<200
E&E-SB-4	98DOTROW-006-SL	19	10/28/98	16.00	18.00	<490	<120	<120	<250	<250
E&E-SB-4	98DOTROW-007-SL	19	10/28/98	24.00	26.00	<300	<75	<75	<150	<150
E&E-SB-4	98DOTROW-008-SL	19	10/28/98	28.00	30.00	<460	<110	<110	<230	<230

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Location	Sample ID	Reference	Date Sampled	Beginning Depth (ft)	Ending Depth (ft)	Vinyl Chloride ACL=2,100	1,1-DCE ACL=7,100	cis-1,2-DCE ACL=72,100	trans-1,2-DCE ACL=87,300	TCE ACL=300,000	PCE ACL=11,500
E&E-SB-5	98DOTROW-009-SL	19	10/28/98	2.00	4.00	<400	<200	<100	<100	<200	<200
SB-6	SB-6 5-6.5	16	11/11/98	5.00	6.50	<2	<2	<2	<2	<2	<2
E&E-SB-6	98DOTROW-011-SL	19	10/29/98	18.00	20.00	<560	<280	<140	<140	<280	<280
E&E-SB-6	98DOTROW-012-SL	19	10/29/98	22.00	24.00	<570	<290	<140	<140	<290	<290
E&E-SB-6	98DOTROW-013-SL	19	10/29/98	28.00	30.00	<510	<260	<130	<130	<260	<260
E&E-SB-6	98DOTROW-010-SL	19	10/28/98	10.00	12.00	<490	<250	<120	<120	<250	<250
SLB-1	SLB-1 5-6.5	16	11/12/98	5.00	6.50	<2	<2	<2	<2	<2	<2
SLB-2	SLB-2 10-11.5	16	11/12/98	10.00	11.50	<2	<2	<2	<2	<2	<2
SLB-3	SLB-3 10-11.5	16	11/12/98	10.00	11.50	<2	<2	<2	<2	<2	<2
SLB-4	SLB-4 10-11.5	16	11/11/98	10.00	11.50	<2	<2	<2	<2	<2	<2
SLB-5	SLB-5 10-11.5	16	11/12/98	10.00	11.50	<2	<2	<2	<2	<2	<2
SLB-6	SLB-6 11-12.5	16	11/13/98	11.00	12.50	<2	<2	<2	<2	<2	<2
SLB-7	SLB-7 12-13.5	16	11/13/98	12.00	13.50	<2	<2	<2	<2	<2	<2
SP-1	SP-1 2.5-4.7	16	11/9/98	2.50	4.70	<2	<2	<2	<2	<2	3
SP-2	SP-2 4.0-5.5	16	11/10/98	4.00	5.50	<2	<2	<2	<2	<2	23
SP-3	SP-3 3.0-4.5	16	11/9/98	3.00	4.50	<2	<2	<2	<2	<2	4
T-1	T-1@9'	16	11/12/98	3.00	3.00	<2	<2	<2	<2	<2	<2
T-2	T-2@16'	16	11/12/98	3.00	3.00	<2	<2	<2	<2	<2	<2

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						ACL=2,100	ACL=7,100	ACL=72,100	ACL=87,300	ACL=300,000	ACL=11,500
T-3	T-3@23'	16	11/12/98	3.00	3.00	<2	<2	<2	<2	<2	<2
T-4	T-4@33'	16	11/12/98	3.00	3.00	<2	<2	<2	<2	<2	3

J - Estimated value.

Reference Legend:

- 10 - River Terrace RV Park Draft RI/FS, OASIS/Bristol, 3/10/2000 (July 1999 data)
- 13 - River Terrace RV Park Draft RI/FS, OASIS/Bristol, 3/10/2000 (November 1999 data)
- 14 - River Terrace RV Park Draft RI/FS, OASIS/Bristol, 3/10/2000 (August-September 1999 data)
- 16 - Soil and Groundwater Assessment at the Building and Sewer Line, River Terrace RV Park Soldotna, AK, Hart Crowser, 2/2/99
- 17 - River Terrace RV Park Soil and Groundwater Assessment, Soldotna, AK, Hart Crowser, 9/16/98
- 18 - Data Review and Recommendations Final Report River Terrace RV Park Soldotna, AK, Ecology and Environment, 6/98
- 19 - Final Report Soil and Groundwater Investigation, ADOT PF ROW Sterling Highway, Ecology and Environment, 6/99
- 22 - River Terrace RV Park Draft RI/FS, OASIS/Bristol, 3/10/2000 (January 2000 data)

