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**Table D-1. Surface and subsurface sediment PCB results ( $\mu\text{g}/\text{kg dw}$ )**

SAMPLE ID	AROCLOR 1016	AROCLOR 1221	AROCLOR 1232	AROCLOR 1242	AROCLOR 1248	AROCLOR 1254	AROCLOR 1260	TOTAL PCBs	TOTAL PCBs <sup>a</sup> (mg/kg-OC)
<b>Surface</b>									
T-117-SE07-SG	20 U	20 U	20 U	20 U	20 U	33	54	87	2.7
T-117-SE08-SG	20 U	20 U	20 U	20 U	20 U	570	430	1,000	<b>45</b>
T-117-SE10-SG	20 U	20 U	20 U	20 U	20 U	20 U	1,200	1,200	<b>60</b>
T-117-SE13-SG	20 U	20 U	20 U	20 U	20 U	20 U	870	870	<b>31</b>
T-117-SE15-SG	20 U	20 U	20 U	20 U	38 U	54	78	132	5.7
T-117-SE16-SG	200 U	200 U	200 U	200 U	200 U	200 U	2,800	2,800	<b>160</b>
T-117-SE17-SG	980 U	980 U	980 U	980 U	980 U	980 U	12,000	12,000	<b>550</b>
T-117-SE18-SG	20 U	20 U	20 U	20 U	20 U	20 U	5,900	5,900	<b>350</b>
T-117-SE19-SG	20 U	20 U	20 U	20 U	55 J	90 J	120 J	270 J	<b>23 J</b>
T-117-SE20-SG	99 U	99 U	99 U	99 U	99 U	99 U	1300	1300	<b>100</b>
T-117-SE21-SG	150 U	150 U	150 U	150 U	150 U	150 U	38,000	38,000	<b>2,200</b>
T-117-SE22-SG	20 U	20 U	20 U	20 U	20 U	20 U	16,000	16,000	<b>890</b>
T-117-SE23-SG	19 U	19 U	19 U	25 U	19 U	38	42	80	4.7
T-117-SE24-SG	200 U	200 U	200 U	200 U	200 U	200 U	3,500	3,500	<b>230</b>
T-117-SE25-SG	68 U	68 U	68 U	68 U	68 U	68 U	4000	4,000	<b>290</b>
T-117-SE26-SG	98 U	98 U	98 U	98 U	98 U	98 U	1900	1,900	<b>110</b>
T-117-SE27-SG	20 U	20 U	20 U	20 U	36 U	42	41	83	4.6
T-117-SE28-SG	97 U	97 U	97 U	97 U	97 U	97 U	910	910	<b>76</b>
T-117-SE29-SG	20 U	20 U	20 U	20 U	46	63	61	170	6.5
T-117-SE52-SG <sup>b</sup>	20 U	20 U	20 U	20 U	52 U	53	49	102	4.4
T-117-SE30-SG	20 U	20 U	20 U	20 U	20 U	20 U	320	320	19
T-117-SE31-SG	190 U	190 U	190 U	190 U	190 U	190 U	3400	3400	<b>150</b>
T-117-SE32-SG	20 U	20 U	20 U	20 U	52	98	100	250	11
T-117-SE33-SG	58 U	58 U	58 U	58 U	58 U	58 U	9,400 J	9,400 J	<b>310 J</b>
T-117-SE34-SG	490 U	490 U	490 U	490 U	490 U	490 U	4,900	4,900	<b>330</b>
T-117-SE35-SG	20 U	20 U	20 U	20 U	20 J	27	20 U	47 J	2.1 J

SAMPLE ID	AROCLOR 1016	AROCLOR 1221	AROCLOR 1232	AROCLOR 1242	AROCLOR 1248	AROCLOR 1254	AROCLOR 1260	TOTAL PCBs	TOTAL PCBs <sup>a</sup> (mg/kg-OC)
T-117-SE36-SG	20 U	20 U	20 U	20 U	30	77	120	230	10
T-117-SE37-SG	140 U	140 U	140 U	140 U	140 U	1200	3,100	4,300	<b>230</b>
T-117-SE38-SG	20 U	20 U	20 U	20 U	26	37	23	86	4.8
T-117-SE39-SG	58 U	58 U	58 U	58 U	58 U	58 U	11,000	11,000	<b>420</b>
T-117-SE60-SG <sup>b</sup>	50 U	50 U	50 U	50 U	50 U	50 U	1300	1,300	<b>130</b>
T-117-SE40-SG	19 U	19 U	19 U	19 U	2,000	810	430	3,200	<b>200</b>
T-117-SE41-SG	20 U	20 U	20 U	20 U	34	60	33	127	4.5
T-117-SE42-SG	20 U	20 U	20 U	20 U	29	54	53	136	5.9
T-117-SE43-SG	20 U	20 U	20 U	20 U	20 U	140	400 J	540 J	<b>55 J</b>
T-117-SE44-SG	20 U	20 U	20 U	20 U	20 U	98 U	320	320	<b>21</b>
T-117-SE45-SG	35 U	35 U	35 U	35 U	35 U	150 J	370	520 J	<b>43 J</b>
T-117-SE53-SG <sup>b</sup>	20 U	20 U	20 U	20 U	20 U	530 J	380 J	910 J	<b>83 J</b>
T-117-SE46-SG	19 U	19 U	19 U	19 U	23 U	94	120	210	<b>13</b>
T-117-SESGComp1	97 U	97 U	97 U	97 U	97 U	97 U	4,000	4,000	<b>170</b>
T-117-SE73-SG	20 U	20 U	20 U	20 U	21 J	72	170	263 J	8.0 J
T-117-SE75-SG <sup>b</sup>	20 U	20 U	20 U	20 U	20 U	63	160	223	7.0
T-117-SE74-SG	20 U	20 U	20 U	20 U	20 U	41	82	123	4.6
T-117-SE76-SG	20 U	20 U	20 U	20 U	20 U	20 U	1,400 J	1,400 J	<b>77</b>
T-117-SE77-SG <sup>b</sup>	110 U	110 U	110 U	110 U	110 U	110 U	1,100 J	1,100 J	<b>33</b>
T-117-SE78-SG	20 U	20 U	20 U	20 U	28 J	20 U	480 J	508 J	<b>39</b>
T-117-SE79-SG	20 U	20 U	20 U	20 U	20 U	20 U	150 J	150 J	8.8 J
T-117-SE80-SG <sup>b</sup>	20 U	20 U	20 U	20 U	23 J	46 J	74 J	143 J	6.6 J
T-117-SE81-SG	19 U	19 U	19 U	19 U	19 U	19 U	400 J	400 J	<b>34</b>
T-117-SE82-SG	20 U	20 U	20 U	20 U	25 J	43 J	41 J	109 J	4.4
T-117-SE83-SG <sup>b</sup>	20 U	20 U	20 U	20 U	20 U	20 U	310 J	310 J	9.2
T-117-SE84-SG	20 U	20 U	20 U	20 U	20 U	39 U	88	88	7.2
T-117-SE85-SG	20 U	20 U	40 U	20 U	20 U	46	71	117	3.6
T-117-SE86-SG	20 U	20 U	39 U	20 U	20 U	40	62	102	3.3
T-117-SE89-SG	41 U	41 U	41 U	41 U	41 U	250 U	700	700	<b>92</b>

SAMPLE ID	AROCLOR 1016	AROCLOR 1221	AROCLOR 1232	AROCLOR 1242	AROCLOR 1248	AROCLOR 1254	AROCLOR 1260	TOTAL PCBs	TOTAL PCBs <sup>a</sup> (mg/kg-OC)
T-117-SE95-SG <sup>b</sup>	28 U	28 U	28 U	28 U	28 U	200 U	620	620	48
T-117-SE91-SG	20 U	20 U	40 U	20 U	20 U	46	82	128	4.2
T-117-SE93-SG	20 U	39 U	20 U	20 U	20 U	63	140	203	7.5
<b>Subsurface</b>									
T-117-SE15-SC-01	20 U	20 U	20 U	20 U	83	78	150	310	16
T-117-SE15-SC-12	20 U	20 U	20 U	20 U	77	100	140	320	17
T-117-SE15-SC-24	20 U	20 U	20 U	20 U	55	88	73	216	14
T-117-SE49-SC-24 <sup>b</sup>	20 U	20 U	20 U	20 U	52	72	51	175	11
T-117-SE15-SC-46	19 U	19 U	19 U	19 U	19 U	26	20 J	46 J	4.6 J
T-117-SE15-SC-68	20 U	20 U	20 U	20 U	31	62	37	130	10
T-117-SE15-SC-810	20 U	20 U	20 U	20 U	20 U	69	35	104	5.8
T-117-SE16-SC-0-0.9	200 U	200 U	200 U	200 U	380	870	2100	3,400	200
T-117-SE16-SC-0.9-1.3	190 U	190 U	190 U	190 U	840	1500	580	2,900	140
T-117-SE16-SC-1.3-2	20 U	20 U	20 U	20 U	20 U	350	240	590	42
T-117-SE16-SC-24	190 U	190 U	190 U	190 U	430	1200	250	1,900	79
T-117-SE16-SC-46	20 U	20 U	20 U	20 U	26	77	26	129	8.6
T-117-SE16-SC-68	19 U	19 U	19 U	19 U	19 U	58 U	430	430	31
T-117-SE16-SC-810	20 U	20 U	20 U	20 U	20 U	20 U	69	69	4.3
T-117-SE17-SC-01	480 U	480 U	480 U	480 U	480 U	1400 U	3,700	3,700	190
T-117-SE17-SC-12	38 U	38 U	38 U	270 U	570 U	2400	760	3,200	150
T-117-SE17-SC-24	20 U	20 U	20 U	20 U	20 U	220	63	280	13
T-117-SE17-SC-46	19 U	19 U	19 U	19 U	19 U	19 U	67	67	8.1
T-117-SE17-SC-68	19 U	19 U	19 U	19 U	19 U	19 U	100 J	100 J	13 J
T-117-SE47-SC-68 <sup>b</sup>	20 U	20 U	20 U	20 U	20 U	20 U	34	34	6.1
T-117-SE17-SC-810	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	7.4 J
T-117-SE20-SC-01	20 U	20 U	20 U	20 U	110	610	2,100	2,800	250
T-117-SE20-SC-12	20 U	20 U	20 U	20 U	76	280	66	420	28
T-117-SE20-SC-24	20 U	20 U	20 U	20 U	31	80	34	145	13
T-117-SE20-SC-46	19 U	19 U	19 U	19 U	19 U	39	21	60	4.6

SAMPLE ID	AROCLOR 1016	AROCLOR 1221	AROCLOR 1232	AROCLOR 1242	AROCLOR 1248	AROCLOR 1254	AROCLOR 1260	TOTAL PCBs	TOTAL PCBs <sup>a</sup> (mg/kg-OC)
T-117-SE20-SC-68	20 U	20 U	20 U	20 U	20 U	18 J	20 U	18 J	0.78 J
T-117-SE20-SC-810	20 U	20 U	20 U	20 U	20 U	80	38	118	4.2
T-117-SE21-SC-01	1,600 U	1,600 U	1,600 U	1,600 U	1,600 U	3,200 U	16,000	16,000	<b>760</b>
T-117-SE21-SC-12	19 U	19 U	19 U	19 U	39	180	57	280	<b>16</b>
T-117-SE21-SC-24	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	2.0 U
T-117-SE21-SC-46	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	1.7 U
T-117-SE21-SC-68	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	3.2 U
T-117-SE21-SC-810	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	7.1 U
T-117-SE23-SC-01	20 U	20 U	20 U	20 U	20 U	29	22 J	51 J	3.2 J
T-117-SE23-SC-12	19 U	19 U	19 U	19 U	19 U	21	19 U	21	1.2
T-117-SE23-SC-24	20 U	20 U	20 U	20 U	54	65	39	158	5.6
T-117-SE23-SC-46	20 U	20 U	20 U	20 U	77	110	31	220	<b>17</b>
T-117-SE23-SC-68	20 U	20 U	20 U	20 U	80	110	19 J	210 J	<b>12 J</b>
T-117-SE23-SC-810	20 U	20 U	20 U	20 U	22	46	20 U	68	3.6
T-117-SE24-SC-01	19 U	19 U	19 U	19 U	270	500	540	1300	<b>110</b>
T-117-SE24-SC-12	20 U	20 U	20 U	20 U	36	86	20 U	122	10
T-117-SE24-SC-24	19 U	19 U	19 U	19 U	19 U	72	26	98	8.9
T-117-SE24-SC-46	20 U	20 U	20 U	20 U	20 U	39	38	77	3.5
T-117-SE24-SC-68	20 U	20 U	20 U	20 U	20 U	20 U	68 J	68 J	4 J
T-117-SE24-SC-810	20 U	20 U	20 U	20 U	20 U	20 U	45 J	45 J	3.2 J
T-117-SE25-SC-01	98 U	98 U	98 U	98 U	98 U	98 U	2,000	2,000	<b>260</b>
T-117-SE25-SC-12	19 U	19 U	19 U	19 U	97	190	91	380	<b>19</b>
T-117-SE25-SC-24	19 U	19 U	19 U	19 U	19 U	70	27 J	97 J	4.6 J
T-117-SE25-SC-46	20 U	20 U	20 U	20 U	20 U	37	27	64	3.8
T-117-SE25-SC-68	20 U	20 U	20 U	20 U	20 U	20 U	45	45	6.1
T-117-SE25-SC-810	19 U	19 U	19 U	19 U	19 U	19 U	19 U	19 U	5.6 U
T-117-SE30-SC-01	39 U	39 U	39 U	39 U	240	510	240	990	<b>83</b>
T-117-SE30-SC-12	20 U	20 U	20 U	20 U	24	69	65	158	<b>12</b>
T-117-SE30-SC-24	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	nc

SAMPLE ID	AROCLOR 1016	AROCLOR 1221	AROCLOR 1232	AROCLOR 1242	AROCLOR 1248	AROCLOR 1254	AROCLOR 1260	TOTAL PCBs	TOTAL PCBs <sup>a</sup> (mg/kg-OC)
T-117-SE30-SC-46	19 U	19 U	19 U	19 U	19 U	19 U	19 U	19 U	1.9 U
T-117-SE30-SC-68	19 U	19 U	19 U	19 U	19 U	19 U	19 U	19 U	3.3 U
T-117-SE30-SC-810	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	2.5 U
T-117-SE31-SC-01	5,100 U	5,100 U	5,100 U	5,100 U	5,100 U	15,000 U	51,000	51,000	<b>2,600</b>
T-117-SE31-SC-12	19 U	19 U	19 U	19 U	19 U	19 U	26	26	1.7
T-117-SE31-SC-24	19 U	19 U	19 U	19 U	19 U	19 U	19 U	19 U	1.5 U
T-117-SE31-SC-46	19 U	19 U	19 U	19 U	19 U	19 U	19 U	19 U	2.8 U
T-117-SE31-SC-68	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	2.7 U
T-117-SE31-SC-810	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	4.0 U
T-117-SE48-SC-810 <sup>b</sup>	19 U	19 U	19 U	19 U	19 U	19 U	19 U	19 U	3.7 U
T-117-SE35-SC-01	20 U	20 U	20 U	20 U	33	59	43	135	6.4
T-117-SE35-SC-12	20 U	20 U	20 U	20 U	99	270	110 J	480 J	<b>25 J</b>
T-117-SE35-SC-24	39 U	39 U	39 U	39 U	240	490	190	920	<b>46</b>
T-117-SE50-SC-24 <sup>b</sup>	20 U	20 U	20 U	20 U	330	620	190	1140	<b>50</b>
T-117-SE35-SC-46	20 U	20 U	20 U	20 U	110	260	110 J	480 J	<b>18 J</b>
T-117-SE35-SC-68	19 U	19 U	19 U	19 U	44	120	41	210	<b>14</b>
T-117-SE35-SC-810	20 U	19 U	20 U	20 U	20 U	14 J	20 U	14 J	2.2 J
T-117-SE36-SC-01	19 U	19 U	19 U	19 U	21 J	86	61	168 J	<b>12 J</b>
T-117-SE36-SC-12	19 U	19 U	19 U	19 U	19 U	19 U	19 U	19 U	3.7 U
T-117-SE36-SC-24	19 U	19 U	19 U	19 U	19 U	19 U	19 U	19 U	1.6 U
T-117-SE36-SC-46	19 U	19 U	19 U	19 U	19 U	19 U	19 U	19 U	2.8 U
T-117-SE36-SC-68	19 U	19 U	19 U	19 U	19 U	19 U	19 U	19 U	1.5 U
T-117-SE36-SC-810	19 U	19 U	19 U	19 U	19 U	19 U	19 U	19 U	5.0 U
T-117-SE37-SC-01	190 U	190 U	190 U	190 U	190 U	190 U	3,100	3,100	<b>650</b>
T-117-SE37-SC-12	19 U	19 U	19 U	19 U	19 U	19 U	19 U	19 U	4.2 U
T-117-SE37-SC-24	19 U	19 U	19 U	19 U	19 U	19 U	19 U	19 U	nc
T-117-SE37-SC-46	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	nc
T-117-SE37-SC-68	19 U	19 U	19 U	19 U	19 U	19 U	18 J	18 J	nc
T-117-SE37-SC-810	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	nc

SAMPLE ID	AROCLOR 1016	AROCLOR 1221	AROCLOR 1232	AROCLOR 1242	AROCLOR 1248	AROCLOR 1254	AROCLOR 1260	TOTAL PCBs	TOTAL PCBs <sup>a</sup> (mg/kg-OC)
T-117-SE42-SC-01	19 U	19 U	19 U	19 U	68 U	350	120	470	<b>36</b>
T-117-SE42-SC-12	19 U	19 U	19 U	19 U	19 U	19 U	47	47	2.9
T-117-SE42-SC-24	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	1.4 U
T-117-SE42-SC-46	19 U	19 U	19 U	19 U	19 U	19 U	19 U	19 U	1.9 U
T-117-SE42-SC-68	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	3.8 U
T-117-SE51-SC-68 <sup>b</sup>	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	3.8 U
T-117-SE42-SC-810	19 U	19 U	19 U	19 U	19 U	19 U	19 U	19 U	3.9 U
T-117-SE43-SC-0-0.3	20 U	20 U	20 U	20 U	20 U	20 U	310	310	<b>63</b>
T-117-SE43-SC-0.3-1	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	4.1 U
T-117-SE43-SC-12	19 U	19 U	19 U	19 U	19 U	19 U	19 U	19 U	7.6 U
T-117-SE43-SC-24	19 U	19 U	19 U	19 U	19 U	19 U	19 U	19 U	4.0 U
T-117-SE43-SC-46	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	3.6 U
T-117-SE43-SC-68	19 U	19 U	19 U	19 U	19 U	19 U	19 U	19 U	2.9 U
T-117-SE43-SC-810	19 U	19 U	19 U	19 U	19 U	19 U	19 U	19 U	3.8 U
T-117-SE70-SC-0-0.5	3,400 U	3,400 U	3,400 U	3,400 U	3,400 U	3,400 U	34,000	34,000	<b>1,400</b>
T-117-SE70-SC-0.5-1	1,300 U	1,300 U	1,300 U	1,300 U	1,300 U	1,300 U	11,000	11,000	<b>550</b>
T-117-SE70-SC-12	98 U	98 U	98 U	98 U	290 U	770	610	1,380	<b>73</b>
T-117-SE71-SC-01	19 U	19 U	19 U	19 U	19 U	19 U	730	730	<b>56</b>
T-117-SE71-SC-12	19 U	19 U	19 U	19 U	19 U	19 U	19 U	19 <sup>b</sup> U	nc
T-117-SE71-SC-2-2.7	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 <sup>b</sup> U	nc
T-117-SE72-SC-01	20 U	20 U	20 U	20 U	20 U	210	330	540	<b>25</b>
T-117-SE72-SC-12	97 U	97 U	97 U	97 U	97 U	720	690	1,410	<b>74</b>
T-117-SE72-SC-2-2.4	200 U	200 U	200 U	200 U	200 U	1,400	800	2,200	<b>110</b>
T-117-SE89-SC-02	95 U	95 U	95 U	95 U	95 U	190 U	380	380	<b>17</b>
T-117-SE91-SC-02	39 U	39 U	39 U	39 U	39 U	58	84	142	5.7
T-117-SE93-SC-02	56 U	56 U	56 U	56 U	56 U	110 U	150	150	<b>6.2</b>

**bold** indicates Sediment Quality Standards (12 mg/kg-OC) exceedance

**bold and italicized** indicates Cleanup Screening Level (65 mg/kg-OC) exceedance

<sup>a</sup> Total PCBs is the sum of detected Aroclors 1016, 1221, 1232, 1242, 1248, 1254 and 1260

<sup>b</sup> Field duplicate of sample listed above it

dw — dry weight

nc — not calculated since TOC is  $\leq 0.2\%$ , dry weight value was compared to AET equivalents of SQS (LAET 130  $\mu\text{g}/\text{kg}$ ) and CSL (second LAET 1,000  $\mu\text{g}/\text{kg}$ )

OC — organic carbon normalized

J — Estimated value

U — Undetected value

**Table D-2. Surface sediment PAH results (µg/kg dw)**

PARAMETER	T-117- SE08-SG	T-117- SE21-SG	T-117- SE15-SG	T-117- SE25-SG	T-117- SE27-SG	T-117- SE33-SG	T-117- SE50-SG <sup>a</sup>	T-117- SE36-SG	T-117- SE37-SG	T-117- SE39-SG	T-117- SE40-SG	T-117- SE43-SG	T-117- SE44-SG	T-117- SE45-SG	T-117- SE53-SG <sup>b</sup>	T-117- SE46-SG
<b>LPAHs</b>																
2-Methylnaphthalene	90	40 U	20 U	38	20 U	19 U	19 U	20 U	1,400	17 J	20 U	20 U	19 U	20 U	20 U	20 U
Acenaphthene	20 U	40 U	20 U	250 J	20 U	10 J	9.8 J	20 U	3,900	29	20 U	20 U	19 U	20 U	20 U	25
Acenaphthylene	20 U	40 U	20 U	20 U	20 U	19 U	19 U	20 U	48	12 J	20 U	20 U	19 U	20 U	20 U	20 U
Anthracene	20 U	44	20 U	620	20 U	27	28	34	4,300	66	25	20 U	28	20 U	20 U	30
Fluorene	28	40 U	20 U	280	20 U	12 J	12 J	20 U	5,500	27	20 U	20 U	19 U	20 U	20 U	21
Naphthalene	72	40 U	20 U	51	20 U	19 U	19 U	20 U	1,300	20	20 U	20 U	19 U	20 U	20 U	20
Phenanthrene	70	430	59	1,900	99	120	100	110	28,000	340	120	84	140	71	140	310
Total LPAH <sup>c</sup>	170	470	59	3,100	99	170 J	150	144	43,000	490 J	145	84	168	71	140	386
<b>HPAHs</b>																
Benzo(a)anthracene	38	170 J	63	940	75	90	60	110	8,400	130	69	51	67	50	70	160
Benzo(b)fluoranthene	87	390	91	840	110	110	64	190	8,200	170	130	83	82	92	100	190
Benzo(k)fluoranthene	50 J	250	56	830	79	130	61	100	8,800	130	66	88	83	66	120	240
Total benzofluoranthenes <sup>d</sup>	137 J	640	147	1,670	189	240	125	290	17,000	300	196	171	165	158	220	430
Benzo(a)pyrene	44 J	180 J	55	820	71	81	58	130	7,900	140	87	65	70	56 J	82	190
Benzo(g,h,i)perylene	20 UJ	120 J	25	370 J	28	27	19 J	41	1,200	65	53	18 J	22	18 J	18 J	61
Chrysene	71	320	93	830	140	160	63	210	7,700	180	87	72	100	73	92	230
Dibenzo(a,h)anthracene	22 J	56 J	20 U	170	20 U	9.6 J	19 U	20 U	640	13 J	23	24	19 U	23 J	22	20 U
Fluoranthene	92	1,000	210	2,100	280	360	170	240	24,000	420	150	160	240	150	220	540
Indeno(1,2,3-cd)pyrene	66	210	23	520	26	25	22	43	1,900	47	67	38	20	71	40	50
Pyrene	87	550	140	1,400 J	180	230	120	190	16,000	420	190	120	180	160	170	410
Total HPAH <sup>e</sup>	557 J	3246 J	708	8,820 J	935	1220 J	640 J	1,170	85,000	1720 J	920	720 J	822	760 J	930 J	1,960

<sup>a</sup> Field duplicate of T-117-SE33-SG

<sup>b</sup> Field duplicate of T-117-SE45-SG

<sup>c</sup> Total LPAHs is the sum of detected concentrations for naphthalene, acenaphthylene, acenaphthene, fluorene, phenanthrene, and anthracene

<sup>d</sup> Total benzofluoranthenes is the sum of detected concentrations of benzo(b)fluoranthene and benzo(k)fluoranthene

<sup>e</sup> Total HPAHs is the sum of detected concentrations for fluoranthene, pyrene, benzo(a)anthracene, chrysene, total benzofluoranthenes, benzo(a)pyrene, indeno(1,2,3,-c,d)pyrene, dibenzo(a,h)anthracene, and benzo(g,h,i)perylene

J — Estimated value

U — Undetected value

**Table D-3. Surface sediment PAH results (mg/kg-OC)**

PARAMETER	SQS	CSL	T-117- SE08-SG	T-117-SE15-SG	T-117- SE21-SG	T-117- SE25-SG	T-117-SE27-SG	T-117- SE33-SG	T-117- SE50-SG <sup>a</sup>	T-117-SE36-SG	T-117- SE37-SG	T-117- SE39-SG	T-117- SE40-SG	T-117- SE43-SG	T-117-SE44-SG	T-117- SE45-SG	T-117- SE53-SG <sup>b</sup>	T-117-SE46-SG
<b>LPAHs</b>																		
2-Methylnaphthalene	38	64	4.1	0.87 U	2.4 U	2.7	1.1 U	0.64 U	1.9 U	0.91 U	74	0.65 J	1.3 U	2.0 U	1.3 U	1.7 U	1.8 U	1.3 U
Acenaphthene	16	57	0.91 U	0.87 U	2.4 U	18 J	1.1 U	0.34 J	0.98 J	0.91 U	210	1.1	1.3 U	2.0 U	1.3 U	1.7 U	1.8 U	1.6
Acenaphthylene	66	66	0.91 U	0.87 U	2.4 U	1.4 U	1.1 U	0.64 U	1.9 U	0.91 U	2.5	0.46 J	1.3 U	2.0 U	1.3 U	1.7 U	1.8 U	1.3 U
Anthracene	220	1,200	0.91 U	0.87 U	2.6	44	1.1 U	0.91	2.8	1.5	230	2.5	1.6	2.0 U	1.9	1.7 U	1.8 U	1.9
Fluorene	23	79	1.3	0.87 U	2.4 U	20	1.1 U	0.40 J	1.2 J	0.91 U	290	1.0	1.3 U	2.0 U	1.3 U	1.7 U	1.8 U	1.3
Naphthalene	99	170	3.3	0.87 U	2.4 U	3.6	1.1 U	0.64 U	1.9 U	0.91 U	68	0.77	1.3 U	2.0 U	1.3 U	1.7 U	1.8 U	1.3 U
Phenanthrene	100	480	3.2	2.6	25	140	5.5	4.0	10	5.0	1,500	13	7.5	8.6	9.3	5.9	13	19
Total LPAH <sup>c</sup>	370	780	7.7	2.6	28	220 J	5.5	5.7 J	15 J	6.5	2270	19 J	9.1	8.6	11	5.9	13 U	24
<b>HPAHs</b>																		
Benzo(a)anthracene	110	270	1.7	2.7	10 J	67	4.2	3.0	6.0	5.0	440	5.0	4.3	5.2	4.5	4.2	6.4	10
Total benzofluoranthenes <sup>d</sup>	230	450	6.2 J	6.4	38	120	11	8.1	12.5	13	890	12	12	17	11	13	20	27
Benzo(a)pyrene	99	210	2.0 J	2.4	11 J	59	3.9	2.7	5.8	5.9	420	5.4	5.4	6.6	4.7	4.7 J	7.5	12
Benzo(g,h,i)perylene	31	78	0.91 UJ	1.0	7.1 J	26 J	1.4	0.91	1.9 J	2.0	63	2.5	3.3	1.8 J	1.3	1.5 J	1.6 J	3.1
Chrysene	100	460	3.2	4.0	19	59	7.8	5.4	6.3	9.5	410	6.9	5.4	7.3	6.7	6.1	8.4	14
Dibenzo(a,h)anthracene	12	33	1.0 J	0.87 U	3.3 J	12	1.1 U	0.32 J	1.9 U	0.91 U	34	0.50 J	1.4	2.4	1.3 U	1.9 J	2.0	1.3 U
Fluoranthene	160	1,200	4.2	9.1	59	150	16	12	17	11	1,300	16	9.4	16	16	13	20	34
Indeno(1,2,3-cd)pyrene	34	88	3.0	1.1	12	37	1.6	0.84	2.2	1.9	100	1.8	4.2	3.9	1.5	5.9	3.6	3.8
Pyrene	1,000	1,400	4.0	6.1	32	100 J	10	7.8	12	8.6	840	16	12	12	12	13	15	26
Total HPAH <sup>e</sup>	960	5,300	25 J	31	190 J	630 J	52	41 J	64 J	53	4,500	66 J	58	73 J	55	63 J	85 J	120

<sup>a</sup> Field duplicate of T-117-SE33-SG

J — Estimated value

<sup>b</sup> Field duplicate of T-117-SE45-SG

U — Undetected value

<sup>c</sup> Total LPAHs is the sum of detected concentrations for naphthalene, acenaphthylene, acenaphthene, fluorene, phenanthrene, and anthracene

<sup>d</sup> Total benzofluoranthenes is the sum of detected concentrations of benzo(b)fluoranthene and benzo(k)fluoranthene

<sup>e</sup> Total HPAHs is the sum of detected concentrations for fluoranthene, pyrene, benzo(a)anthracene, chrysene, total benzofluoranthenes, benzo(a)pyrene, indeno(1,2,3-c,d)pyrene, dibenzo(a,h)anthracene, and benzo(g,h,i)perylene

**Table D-4. Subsurface sediment PAH results (µg/kg dw)**

PARAMETER	SQS	CSL	T-117-SE17-SC-24	T-117-SE17-SC-46	T-117-SE21-SC-24	T-117-SE25-SC-24	T-117-SE31-SC-12	T-117-SE37-SC-12
<b>LPAHs</b>								
Acenaphthene	na	na	20 U	20 U	20 U	610	20 U	20 U
Acenaphthylene	na	na	20 U	20 U	20 U	20 U	20 U	20 U
Anthracene	na	na	20 U	20 U	20 U	59	20 U	20 U
Fluorene	na	na	20 U	20 U	20 U	20 U	20 U	20 U
Naphthalene	na	na	20 U	20 U	20 U	20 U	20 U	20 U
Phenanthrene	na	na	20 U	20 U	20 U	100	20 U	20 U
Total LPAH <sup>a</sup>	na	na	20 U	20 U	20 U	769	20 U	20 U
<b>HPAHs</b>								
Benzo(a)anthracene	na	na	20 U	39	20 U	120	20 U	20 U
Benzo(a)pyrene	na	na	20 U	36	20 U	65	20 U	20 U
Benzo(g,h,i)perylene	na	na	20 U	20 U	20 U	23	20 U	20 U
Total benzofluoranthenes <sup>b</sup>	na	na	20 U	95	20 U	149	20 U	20 U
Chrysene	na	na	20 U	66	20 U	160	20 U	20 U
Dibenzo(a,h)anthracene	na	na	20 U	20 U	20 U	20 U	20 U	20 U
Fluoranthene	na	na	38	83	20 U	450	23	20 U
Indeno(1,2,3-cd)pyrene	na	na	20 U	20 U	20 U	20 U	20 U	20 U
Pyrene	na	na	31	74	20 U	420	21	20 U
Total HPAH <sup>c</sup>	na	na	69	393	20 U	1364	44	20 U

<sup>a</sup> Total LPAHs is the sum of detected concentrations for naphthalene, acenaphthylene, acenaphthene, fluorene, phenanthrene, and anthracene

<sup>b</sup> Total benzofluoranthenes is the sum of detected concentrations of benzo(b)fluoranthene and benzo(k)fluoranthene

<sup>c</sup> Total HPAHs is the sum of detected concentrations for fluoranthene, pyrene, benzo(a)anthracene, chrysene, total benzofluoranthenes, benzo(a)pyrene, indeno(1,2,3-c,d)pyrene, dibenzo(a,h)anthracene, and benzo(g,h,i)perylene

U – Undetected value

**Table D-5. Subsurface sediment PAH results (mg/kg-OC)**

PARAMETER	SQS	CSL	T-117-SE17-SC-24	T-117-SE17-SC-46	T-117-SE21-SC-24	T-117-SE25-SC-24	T-117-SE31-SC-12	T-117-SE37-SC-12
<b>LPAHs</b>								
2-Methylnaphthalene	38	64	0.91 U	2.4 U	2.0 U	0.95 U	1.3 U	4.4 U
Acenaphthene	16	57	0.91 U	2.4 U	2.0 U	<b>29</b>	1.3 U	4.4 U
Acenaphthylene	66	66	0.91 U	2.4 U	2.0 U	0.95 U	1.3 U	4.4 U
Anthracene	220	1200	0.91 U	2.4 U	2.0 U	2.8	1.3 U	4.4 U
Fluorene	23	79	0.91 U	2.4 U	2.0 U	0.95 U	1.3 U	4.4 U
Naphthalene	99	170	0.91 U	2.4 U	2.0 U	0.95 U	1.3 U	4.4 U
Phenanthrene	100	480	0.91 U	2.4 U	2.0 U	4.8	1.3 U	4.4 U
Total LPAH <sup>a</sup>	370	780	0.91 U	2.4 U	2.0 U	37	1.3 U	4.4 U
<b>HPAHs</b>								
Benzo(a)anthracene	110	270	0.91 U	4.7	2.0 U	5.7	1.3 U	4.4 U
Benzo(a)pyrene	99	210	0.91 U	4.3	2.0 U	3.1	1.3 U	4.4 U
Benzo(g,h,i)perylene	31	78	0.91 U	2.4 U	2.0 U	1.1	1.3 U	4.4 U
Total benzofluoranthenes <sup>b</sup>	230	450	0.91 U	11	2.0 U	7.1	1.3 U	4.4 U
Chrysene	100	460	0.91 U	8.0	2.0 U	7.6	1.3 U	4.4 U
Dibenzo(a,h)anthracene	12	33	0.91 U	2.4 U	2.0 U	0.95 U	1.3 U	4.4 U
Fluoranthene	160	1200	1.7	10	2.0 U	21	1.5	4.4 U
Indeno(1,2,3-cd)pyrene	34	88	0.91 U	2.4 U	2.0 U	0.95 U	1.3 U	4.4 U
Pyrene	1000	1400	1.4	8.9	2.0 U	20	1.4	4.4 U
Total HPAH <sup>c</sup>	960	5300	3.1	47	2.0 U	65	2.9	4.4 U

**bold** indicates Sediment Quality Standards (12 mg/kg-OC) exceedance

<sup>a</sup> Total LPAHs is the sum of detected concentrations for naphthalene, acenaphthylene, acenaphthene, fluorene, phenanthrene, and anthracene

<sup>b</sup> Total benzofluoranthenes is the sum of detected concentrations of benzo(b)fluoranthene and benzo(k)fluoranthene

<sup>c</sup> Total HPAHs is the sum of detected concentrations for fluoranthene, pyrene, benzo(a)anthracene, chrysene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene, indeno(1,2,3-c,d)pyrene, dibenzo(a,h)anthracene, and benzo(g,h,i)perylene

U — Undetected value

**Table D-6. Surface sediment SVOC, VOC and TBT results (µg/kg dw)**

PARAMETER	SQS	CSL	T-117-SE08-SG	T-117-SE15-SG	T-117-SE21-SG	T-117-SE25-SG	T-117-SE27-SG	T-117-SE33-SG	T-117-SE50-SG <sup>a</sup>	T-117-SE36-SG	T-117-SE37-SG	T-117-SE39-SG	T-117-SE40-SG	T-117-SE43-SG	T-117-SE44-SG	T-117-SE45-SG	T-117-SE53-SG <sup>b</sup>	T-117-SE46-SG
<b>SVOCs</b>																		
1,3-Dichlorobenzene	na	na	1.1 U	20 U	1.0 U	1.1 U	20 U	nr	nr	20 U	0.90 U	nr	nr	nr	19 U	0.9 U	1.0 U	20 U
2,4-Dimethylphenol	29	29	20 U	20 U	40 U	20 U	20 U	19 U	19 U	20 U	39 U	20 U	20 U	20 U	19 U	20 U	20 U	20 U
2-Methylphenol	63	63	20 U	20 U	40 U	20 U	20 U	19 U	19 U	20 U	39 U	20 U	20 U	20 U	19 U	20 U	20 U	20 U
4-Methylphenol	670	670	20 U	30 J	40 U	20 U	44 J	19 U	19 U	28 J	39 U	20 U	20 U	20 U	87 J	20 U	41	110 J
Benzoic acid	650	650	200 U	200 U	400 U	200 U	200 U	190 U	190 U	200 U	390 U	200 U	200 U	200 U	190 U	200 U	200 U	200 U
Benzyl alcohol	57	73	72	20 U	40 U	20 U	20 U	19 U	19 U	20 U	39 U	20 U	20 U	20 U	19 U	20 U	20 U	20 U
Bis(2-ethylhexyl) phthalate	na	na	140	140	96 J	140	110	120	36	150	220 J	120	80	84	340	170 J	50 J	76
Butyl benzyl phthalate	na	na	37	20 U	20 UJ	10 UJ	28 J	9.6 UJ	9.6 UJ	33	20 UJ	9.8 UJ	10 J	10 UJ	62	10 UJ	10 UJ	20 U
Dibenzofuran	na	na	20 U	20 U	40 U	160	20 U	19 U	19 U	20 U	4200	12 J	20 U	20 U	19 U	20 U	20 U	20 U
Diethyl phthalate	na	na	20 U	20 U	40 U	20 U	20 U	19 U	19 U	20 U	39 U	12 J	20 U	20 U	19 U	20 U	20 U	20 U
Dimethyl phthalate	na	na	20 U	20 U	40 U	20 U	20 U	14 J	19 U	20 U	39 U	17 J	20 U	20 U	19 U	20 U	20 U	20 U
Di-n-butyl phthalate	na	na	670	20 U	40 U	18 J	20 U	19 U	19 U	20 U	39 U	20	20 U	20 U	19 U	20 U	20 U	20 U
Di-n-octyl phthalate	na	na	20 U	20 U	40 UJ	20 U	20 U	19 U	19 U	20 U	39 UJ	20 U	35	20 U	19 U	20 U	20 U	20 U
Hexachlorobenzene	na	na	0.97 U	20 U	7.5 U	3.4 U	20 U	2.9 U	2.5 U	20 U	6.9 U	2.9 U	0.97 U	0.98 U	19 U	1.8 U	0.98 U	20 U
Hexachlorobutadiene	na	na	0.97 U	20 U	7.5 U	3.4 U	20 U	2.9 U	2.5 U	20 U	6.9 U	2.9 U	0.97 U	0.98 U	19 U	1.8 U	0.98 U	20 U
N-Nitrosodiphenylamine	na	na	20 U	20 U	40 U	20 U	20 U	19 U	19 U	20 U	39 U	20 U	20 U	20 U	19 U	20 U	20 U	20 U
Pentachlorophenol	360	690	99 U	98 U	200 U	99 U	98 U	120	96 U	98 U	200 U	93 J	99 U	98 U	97 U	99 U	99 U	98 U
Phenol	420	1,200	23 BU	95	40 U	32 BU	20 U	19 U	19 U	72	39 U	20 U	48 BU	20 U	19 U	44 BU	38 BU	20 U
<b>VOCs</b>																		
1,2,4-Trichlorobenzene	na	na	5.4 UJ	20 U	5.2 UJ	5.6 UJ	20 U	5.1 UJ	nt	20 U	4.7 UJ	5.2 UJ	4.6 UJ	5.2 UJ	19 U	4.6 UJ	5.2 UJ	20 U
1,2-Dichlorobenzene	na	na	1.1 U	20 U	1.0 U	1.1 U	20 U	1.0 UJ	nt	20 U	0.90 U	1.0 U	0.90 U	1.0 U	19 U	0.9 U	1.0 U	20 U
1,4-Dichlorobenzene	na	na	1.1 U	20 U	1.0 U	1.1 U	20 U	1.0 UJ	nt	20 U	0.90 U	1.0 U	0.90 U	1.0 U	19 U	0.9 U	1.0 U	20 U
<b>TBT</b>																		
	na	na	5.0 U	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt	nt

<sup>a</sup> Field duplicate of T-117-SE33-SG

na — not applicable

nt — not tested

J — Estimated value

<sup>b</sup> Field duplicate of T-117-SE45-SG

nr — no results from laboratory

U — Undetected value

**Table D-7. Surface sediment SVOC and VOC results (mg/kg-OC)**

PARAMETER	SQS	CSL	T-117-SE08-SG	T-117-SE15-SG	T-117-SE21-SG	T-117-SE25-SG	T-117-SE27-SG	T-117-SE33-SG	T-117-SE50-SG <sup>a</sup>	T-117-SE36-SG	T-117-SE37-SG	T-117-SE39-SG	T-117-SE40-SG	T-117-SE43-SG	T-117-SE44-SG	T-117-SE45-SG	T-117-SE53-SG <sup>b</sup>	T-117-SE46-SG
<b>SVOCs</b>																		
Bis(2-ethylhexyl)phthalate	47	78	6.4	6.1	5.6 J	10	6.1	4.0	3.6	6.8	12 J	4.6	5.0	8.6	23	14 J	4.5 J	4.8
Butyl benzyl phthalate	4.9	64	1.7	0.87 U	1.2 UJ	0.71 UJ	1.6 J	0.32 UJ	0.96 UJ	1.5	1.1 UJ	0.38 UJ	0.63 J	1.0 UJ	4.1	0.83 UJ	0.91 UJ	1.3 U
Dibenzofuran	15	58	0.91 U	0.87 U	2.4 U	11	1.1 U	0.64 U	1.9 U	0.91 U	220	0.46 J	1.3 U	2.0 U	1.3 U	1.7 U	1.8 U	1.3 U
Diethyl phthalate	61	110	0.91 U	0.87 U	2.4 U	1.4 U	1.1 U	0.64 U	1.9 U	0.91 U	2.1 U	0.46 J	1.3 U	2.0 U	1.3 U	1.7 U	1.8 U	1.3 U
Dimethyl phthalate	53	53	0.91 U	0.87 U	2.4 U	1.4 U	1.1 U	0.47 J	1.9 U	0.91 U	2.1 U	0.65 J	1.3 U	2.0 U	1.3 U	1.7 U	1.8 U	1.3 U
Di-n-butyl phthalate	220	1,700	30	0.87 U	2.4 U	1.3 J	1.1 U	0.64 U	1.9 U	0.91 U	2.1 U	0.77	1.3 U	2.0 U	1.3 U	1.7 U	1.8 U	1.3 U
Di-n-octyl phthalate	58	4,500	0.91 U	0.87 U	2.4 UJ	1.4 U	1.1 U	0.64 U	1.9 U	0.91 U	2.1 UJ	0.77 U	2.2	2.0 U	1.3 U	1.7 U	1.8 U	1.3 U
Hexachlorobenzene	0.38	2.3	0.044 U	<b>0.87 U</b>	<b>0.44 U</b>	0.24 U	1.1 U	0.098 U	0.25 U	0.91 U	0.36 U	0.11 U	0.061 U	0.10 U	1.3 U	0.15 U	0.089 U	<b>1.3 U</b>
Hexachlorobutadiene	3.9	6.2	0.044 U	0.87 U	0.44 U	0.24 U	1.1 U	0.098 U	0.25 U	0.91 U	0.36 U	0.11 U	0.061 U	0.10 U	1.3 U	0.15 U	0.089 U	1.3 U
N-Nitrosodiphenylamine	11	11	0.91 U	0.87 U	2.4 U	1.4 U	1.1 U	0.64 U	1.9 U	0.91 U	2.1 U	0.77 U	1.3 U	2.0 U	1.3 U	1.7 U	1.8 U	1.3 U
<b>VOCs</b>																		
1,2,4-Trichlorobenzene	0.81	1.8	0.25 UJ	0.87 U	0.31 UJ	0.40 UJ	1.1 U	0.17 UJ	nt	0.91 U	0.25 UJ	0.20 UJ	0.38 UJ	0.47 UJ	1.3 U	0.54 UJ	nt	1.3 U
1,2-Dichlorobenzene	2.3	2.3	0.050 U	0.87 U	0.059 U	0.079 U	1.1 U	0.034 UJ	nt	0.91 U	0.047 U	0.038 U	0.075 U	0.091 U	1.3 U	0.11 U	nt	1.3 U
1,4-Dichlorobenzene	3.1	9	0.050 U	0.87 U	0.059 U	0.079 U	1.1 U	0.034 UJ	nt	0.91 U	0.047 U	0.038 U	0.075 U	0.091 U	1.3 U	0.11 U	nt	1.3 U

**bold** indicates Sediment Quality Standards (12 mg/kg-OC) exceedance

<sup>a</sup> Field duplicate of T-117-SE33-SG

<sup>b</sup> Field duplicate of T-117-SE45-SG

nt — not tested

J — Estimated value

U — Undetected value

**Table D-8. Subsurface sediment PAH, SVOC and VOC results (µg/kg dw)**

PARAMETER	SQS	CSL	T-117-SE17-SC-24	T-117-SE17-SC-46	T-117-SE21-SC-24	T-117-SE25-SC-24	T-117-SE31-SC-12	T-117-SE37-SC-12
<b>SVOCs</b>								
1,4-Dichlorobenzene	na	na	20 U	20 U	20 U	20 U	20 U	20 U
2,4-Dimethylphenol	29	29	20 U	20 U	20 U	20 U	20 U	20 U
2-Methylnaphthalene	38	64	20 U	20 U	20 U	20 U	20 U	20 U
2-Methylphenol	63	63	20 U	20 U	20 U	20 U	20 U	20 U
4-Methylphenol	670	670	20 U	20 U	20 U	20 U	20 U	20 U
Benzoic acid	650	650	200 U	200 U	200 U	200 U	200 U	200 U
Benzyl alcohol	57	73	20 U	20 U	20 U	20 U	20 U	20 U
Bis(2-ethylhexyl)phthalate	na	na	37	20 U	20 U	20 U	20 U	20 U
Butyl benzyl phthalate	na	na	20 U	20 U	20 U	20 U	20 U	20 U
Dibenzofuran	na	na	20 U	20 U	20 U	20 U	20 U	20 U
Diethyl phthalate	na	na	20 U	20 U	20 U	20 U	20 U	20 U
Dimethyl phthalate	na	na	20 U	20 U	20 U	20 U	20 U	20 U
Di-n-butyl phthalate	na	na	20 U	20 U	20 U	20 U	20 U	20 U
Di-n-octyl phthalate	na	na	20 U	20 U	20 U	20 U	20 U	20 U
Hexachlorobenzene	na	na	20 U	20 U	20 U	20 U	20 U	20 U
Hexachlorobutadiene	na	na	20 U	20 U	20 U	20 U	20 U	20 U
N-Nitrosodiphenylamine	na	na	20 U	20 U	20 U	20 U	20 U	20 U
Pentachlorophenol	360	690	98 U	100 U	99 U	99 U	100 U	98 U
Phenol	420	1200	20 U	20 U	20 U	20 U	20 U	20 U
<b>VOCs</b>								
1,2,4-Trichlorobenzene	na	na	20 U	20 U	20 U	20 U	20 U	20 U
1,2-Dichlorobenzene	na	na	20 U	20 U	20 U	20 U	20 U	20 U
1,3-Dichlorobenzene	170	na	20 U	20 U	20 U	20 U	20 U	20 U

na – not applicable

U — Undetected value

**Table D-9. Subsurface sediment SVOC and VOC results (mg/kg-OC)**

PARAMETER	SQS	CSL	T-117-SE17-SC-24	T-117-SE17-SC-46	T-117-SE21-SC-24	T-117-SE25-SC-24	T-117-SE31-SC-12	T-117-SE37-SC-12
<b>SVOCs</b>								
Bis(2-ethylhexyl)phthalate	47	78	1.7	2.4 U	2.0 U	0.95 U	1.3 U	4.4 U
Butyl benzyl phthalate	4.9	64	0.91 U	2.4 U	2.0 U	0.95 U	1.3 U	4.4 U
Dibenzofuran	15	58	0.91 U	2.4 U	2.0 U	1.0	1.3 U	4.4 U
Diethyl phthalate	61	110	0.91 U	2.4 U	2.0 U	0.95 U	1.3 U	4.4 U
Dimethyl phthalate	53	53	0.91 U	2.4 U	2.0 U	0.95 U	1.3 U	4.4 U
Di-n-butyl phthalate	220	1,700	0.91 U	2.4 U	2.0 U	0.95 U	1.3 U	4.4 U
Di-n-octyl phthalate	58	4,500	0.91 U	2.4 U	2.0 U	0.95 U	1.3 U	4.4 U
Hexachlorobenzene	0.38	2.3	0.91 U	2.4 U	2.0 U	0.95 U	1.3 U	4.4 U
Hexachlorobutadiene	3.9	6.2	0.91 U	2.4 U	2.0 U	0.95 U	1.3 U	4.4 U
N-Nitrosodiphenylamine	11	11	0.91 U	2.4 U	2.0 U	0.95 U	1.3 U	4.4 U
<b>VOCs</b>								
1,2,4-Trichlorobenzene	0.81	1.8	0.91 U	2.4 U	2.0 U	0.95 U	1.3 U	4.4 U
1,2-Dichlorobenzene	2.3	2.3	0.91 U	2.4 U	2.0 U	0.95 U	1.3 U	4.4 U
1,4-Dichlorobenzene	3.1	9	0.91 U	2.4 U	2.0 U	0.95 U	1.3 U	4.4 U

U — Undetected value

**Table D-10. Surface and subsurface sediment metal results (mg/kg dw)**

PARAMETER	ARSENIC	CADMIUM	CHROMIUM	COPPER	LEAD	MERCURY	SILVER	ZINC
<b>SQS</b>	57	5.1	260	390	450	0.41	6.1	410
<b>CSL</b>	93	6.7	270	390	530	0.59	6.1	960
<b>Surface sediment samples</b>								
T-117-SE08-SG	7 U	0.3 U	16.9	28.0	53	0.07	0.4 U	68.8
T-117-SE15-SG	10 U	0.4 U	27.0	46.8	22	0.2	0.6 U	103
T-117-SE21-SG	10	0.3 U	20.6	34.2	40	0.08 U	0.5 U	112
T-117-SE25-SG	9	0.3 U	18.6	25.6	16	0.06 U	0.4 U	104
T-117-SE27-SG	10 U	0.4 U	26.0	42.1	19	0.09	0.6 U	88.0
T-117-SE33-SG <sup>a</sup>	8 U	0.3 U	22.7	28.6	36	0.07	0.5 U	73.9
T-117-SE60-SG <sup>b</sup>	22	0.3 U	20.2	26.8	23	0.05 U	0.4 U	98.1
T-117-SE36-SG	9 U	0.4 U	28.6	46.6	24	0.38	0.5 U	105
T-117-SE37-SG	10	0.4	24.7	54.9	38	0.07	0.4 U	115
T-117-SE39-SG	9	0.3 U	21.1	29.7	38	0.07	0.5 U	82.0
T-117-SE44-SG	8 U	0.3 U	23.6	30.4	23	0.07 U	0.5 U	92.4
T-117-SE45-SG	7 U	0.3 U	19.0	27.2	20	0.06 U	0.4 U	68.0
T-117-SE53-SG <sup>c</sup>	7	0.3 U	19.8	28.0	23	0.05	0.4 U	77.3
T-117-SE46-SG	7 U	0.3 U	26.7	32.5	26	0.08	0.4 U	87.6
<b>Subsurface sediment samples</b>								
T-117-SE17-SC-24	8 U	0.5	31.8	44.3	26	0.16	0.5 U	87.7
T-117-SE17-SC-46	7 U	0.7	23.7	29.7	18	0.11	0.4 U	69.0
T-117-SE21-SC-24	8	0.7	33.5	41.3	27	0.19	0.5 U	92.3
T-117-SE25-SC-24	7 U	0.3	25.6	37.6	19	0.11	0.4 U	77.8
T-117-SE31-SC-12	8 U	0.3 U	22.9	39.5	18	0.11	0.5 U	90.7
T-117-SE37-SC-12	7 U	0.3 U	21.3	31.8	5	0.06 U	0.4 U	41.1

<sup>a</sup> Results averaged with laboratory duplicate

<sup>b</sup> Field duplicate of T-117-SE33-SG

<sup>c</sup> Field duplicate of T-117-SE45-SG

J — Estimated value

U — Undetected value

**Table D-11. Surface and subsurface sediment percent solids and total organic carbon results**

Location ID	SAMPLE ID	TOC (%)	TOTAL SOLIDS (%)
<b>Surface sediment samples</b>			
T-117-SE-07-G	T-117-SE07-SG	3.2 <sup>b</sup>	40.7 <sup>b</sup>
T-117-SE-08-G	T-117-SE08-SG	2.2	68.9
T-117-SE-10-G	T-117-SE10-SG	2.0	64.5
T-117-SE-13-G	T-117-SE13-SG	2.8	40.7
T-117-SE-15-G	T-117-SE15-SG	2.3 <sup>b</sup>	47.6 <sup>b</sup>
T-117-SE-16-G	T-117-SE16-SG	1.8	52.0
T-117-SE-17-G	T-117-SE17-SG	2.2	68.7
T-117-SE-18-G	T-117-SE18-SG	1.7	63.0
T-117-SE-19-G	T-117-SE19-SG	1.2	61.7
T-117-SE-20-G	T-117-SE20-SG	1.3	55.3
T-117-SE-21-G	T-117-SE21-SG	1.7	65.5
T-117-SE-22-G	T-117-SE22-SG	1.8	54.5
T-117-SE-23-G	T-117-SE23-SG	1.7	56.2
T-117-SE-24-G	T-117-SE24-SG	1.5	58.6
T-117-SE-25-G	T-117-SE25-SG	1.4	70.9
T-117-SE-26-G	T-117-SE26-SG	1.7	69.5
T-117-SE-27-G	T-117-SE27-SG	1.8	52.5
T-117-SE-28-G	T-117-SE28-SG	1.2	60.4
T-117-SE-29-G	T-117-SE29-SG	2.6	43.4
	T-117-SE52-SG <sup>a</sup>	2.3	44.8
T-117-SE-30-G	T-117-SE30-SG	1.7	52.2
T-117-SE-31-G	T-117-SE31-SG	2.3	62.0
T-117-SE-32-G	T-117-SE32-SG	2.2	44.2
T-117-SE-33-G	T-117-SE33-SG	3.0	66.4
	T-117-SE60-SG <sup>a</sup>	1.0	75.7
T-117-SE-34-G	T-117-SE34-SG	1.5	61.1
T-117-SE-35-G	T-117-SE35-SG	2.2 <sup>b</sup>	51.8 <sup>b</sup>
T-117-SE-36-G	T-117-SE36-SG	2.2	50.3
T-117-SE-37-G	T-117-SE37-SG	1.9	69.2
T-117-SE-38-G	T-117-SE38-SG	1.8	49.8
T-117-SE-39-G	T-117-SE39-SG	2.6	65.5
T-117-SE-40-G	T-117-SE40-SG	1.6	73.3
T-117-SE-41-G	T-117-SE41-SG	2.8	44.6
T-117-SE-42-G	T-117-SE42-SG	2.3	52.8
T-117-SE-43-G	T-117-SE43-SG	0.98	73.0
T-117-SE-44-G	T-117-SE44-SG	1.5	66.9
T-117-SE-45-G	T-117-SE45-SG	1.2	71.2
	T-117-SE53-SG <sup>a</sup>	1.1	70.1

Location ID	SAMPLE ID	TOC (%)	TOTAL SOLIDS (%)
T-117-SE-46-G	T-117-SE46-SG	1.6	73.6
T-117-SE-47-G	T-117-SESGComp1	2.3	64.9
T-117-SE-73-G	T-117-SE73-SG	3.3 <sup>b</sup>	38.6 <sup>b</sup>
T-117-SE-74-G	T-117-SE74-SG	2.7	47.3
	T-117-SE75-SG <sup>a</sup>	3.2	38.6
T-117-SE-76-G	T-117-SE76-SG	1.88 <sup>b</sup>	71.13 <sup>b</sup>
T-117-SE-77-G	T-117-SE77-SG	3.29	40.80
T-117-SE-78-G	T-117-SE78-SG	1.29	100.8
T-117-SE-79-G	T-117-SE79-SG	1.70	55.00
T-117-SE-80-G	T-117-SE80-SG	2.18	67.70
T-117-SE-81-G	T-117-SE81-SG	1.16	75.30
T-117-SE-82-G	T-117-SE82-SG	2.47	64.70
T-117-SE-83-G	T-117-SE83-SG	3.36	48.80
T-117-SE-84-G	T-117-SE84-SG	1.26 <sup>b</sup>	66.00 <sup>b</sup>
T-117-SE-85-G	T-117-SE85-SG	3.23	38.60
T-117-SE-86-G	T-117-SE86-SG	3.08	38.00
T-117-SE-89-G	T-117-SE89-SG	0.762	72.70
	T-117-SE95-SG <sup>a</sup>	1.28	73.70
T-117-SE-91-G	T-117-SE91-SG	3.04	39.80
T-117-SE-93-G	T-117-SE93-SG	2.71	40.00
<b>Subsurface sediment samples</b>			
T-117-SE-15-SC	T-117-SE15-SC-01	2.0	500
	T-117-SE15-SC-12	1.9	56.7
	T-117-SE15-SC-24	1.5	57.3
	T-117-SE49-SC-24 <sup>a</sup>	1.6	56.0
	T-117-SE15-SC-46	1.0	67.7
	T-117-SE15-SC-68	1.3	68.6
	T-117-SE15-SC-810	1.8	61.8
T-117-SE-16-SC	T-117-SE16-SC-0.9-1.3	2.1	52.0
	T-117-SE16-SC-0-0.9	1.7	55.4
	T-117-SE16-SC-1.3-2	1.4 <sup>b</sup>	58.5 <sup>b</sup>
	T-117-SE16-SC-24	2.4	55.5
	T-117-SE16-SC-46	1.5	65.0
	T-117-SE16-SC-68	1.4	65.9
	T-117-SE16-SC-810	1.6	64.9
T-117-SE-17-SC	T-117-SE17-SC-01	1.9	63.1
	T-117-SE17-SC-12	2.2	58.8
	T-117-SE17-SC-24	2.2	58.4
	T-117-SE17-SC-46	0.83	70.6
	T-117-SE17-SC-68	1.4	65.9
	T-117-SE47-SC-68 <sup>a</sup>	0.56	76.0
	T-117-SE17-SC-810	0.27	77.6

Location ID	SAMPLE ID	TOC (%)	TOTAL SOLIDS (%)
T-117-SE-20-SC	T-117-SE20-SC-01	1.1	61.4
	T-117-SE20-SC-12	1.5 <sup>b</sup>	59.4 <sup>b</sup>
	T-117-SE20-SC-24	1.1	65.1
	T-117-SE20-SC-46	1.3	62.0
	T-117-SE20-SC-68	2.3	58.7
	T-117-SE20-SC-810	2.8	56.2
T-117-SE-21-SC	T-117-SE21-SC-01	2.1	71.5
	T-117-SE21-SC-12	1.8	59.5
	T-117-SE21-SC-24	1.0	67.4
	T-117-SE21-SC-46	1.2	72.4
	T-117-SE21-SC-68	0.63	71.0
	T-117-SE21-SC-810	0.28	72.2
T-117-SE-23-SC	T-117-SE23-SC-01	1.6	55.6
	T-117-SE23-SC-12	1.8	49.9
	T-117-SE23-SC-24	2.8	52.0
	T-117-SE23-SC-46	1.3	64.1
	T-117-SE23-SC-68	1.8	60.0
	T-117-SE23-SC-810	1.9	63.4
T-117-SE-24-SC	T-117-SE24-SC-01	1.2	64.2
	T-117-SE24-SC-12	1.2	61.3
	T-117-SE24-SC-24	1.1	63.7
	T-117-SE24-SC-46	2.2	59.1
	T-117-SE24-SC-68	1.7	65.2
	T-117-SE24-SC-810	1.4	73.1
T-117-SE-25-SC	T-117-SE25-SC-01	0.76	78.0
	T-117-SE25-SC-12	2.0	61.2
	T-117-SE25-SC-24	2.1	67.5
	T-117-SE25-SC-46	1.7	63.9
	T-117-SE25-SC-68	0.74	71.8
	T-117-SE25-SC-810	0.34	81.2
T-117-SE-30-SC	T-117-SE30-SC-01	1.2 <sup>b</sup>	62.0 <sup>b</sup>
	T-117-SE30-SC-12	1.3	58.7
	T-117-SE30-SC-24	0.068	83.0
	T-117-SE30-SC-46	0.99	73.2
	T-117-SE30-SC-68	0.58	70.9
	T-117-SE30-SC-810	0.81	73.9
T-117-SE-31-SC	T-117-SE31-SC-01	2.0	82.4
	T-117-SE31-SC-12	1.5	61.4
	T-117-SE31-SC-24	1.3	64.6
	T-117-SE31-SC-46	0.68 <sup>b</sup>	69.6 <sup>b</sup>
	T-117-SE31-SC-68	0.74	69.3
	T-117-SE31-SC-810	0.50	72.7
	T-117-SE48-SC-810 <sup>a</sup>	0.52	71.8

Location ID	SAMPLE ID	TOC (%)	TOTAL SOLIDS (%)
T-117-SE-35-SC	T-117-SE35-SC-01	2.1	46.7
	T-117-SE35-SC-12	1.9	57.1
	T-117-SE35-SC-24	2.0	58.5
	T-117-SE50-SC-24 <sup>a</sup>	2.3	58.5
	T-117-SE35-SC-46	2.6	67.0
	T-117-SE35-SC-68	1.5	64.8
	T-117-SE35-SC-810	0.65	80.9
T-117-SE-36-SC	T-117-SE36-SC-01	1.4	64.5
	T-117-SE36-SC-12	0.52	80.1
	T-117-SE36-SC-24	1.2	69.4
	T-117-SE36-SC-46	0.67	70.3
	T-117-SE36-SC-68	1.3	72.5
	T-117-SE36-SC-810	0.38	77.1
T-117-SE-37-SC	T-117-SE37-SC-01	0.48	87.6
	T-117-SE37-SC-12	0.45	73.3
	T-117-SE37-SC-24	0.16	75.2
	T-117-SE37-SC-46	0.064	74.6
	T-117-SE37-SC-68	0.17	81.7
	T-117-SE37-SC-810	0.13	76.9
T-117-SE-42-SC	T-117-SE42-SC-01	1.3 <sup>b</sup>	61.1 <sup>b</sup>
	T-117-SE42-SC-12	1.6	61.6
	T-117-SE42-SC-24	1.4	70.3
	T-117-SE42-SC-46	0.99	67.6
	T-117-SE42-SC-68	0.53	73.5
	T-117-SE51-SC-68	0.53	73.8
	T-117-SE42-SC-810	0.49	70.4
T-117-SE-43-SC	T-117-SE43-SC-0-0.3	0.49 <sup>b</sup>	72.9 <sup>b</sup>
	T-117-SE43-SC-0.3-1	0.49	70.6
	T-117-SE43-SC-12	0.25	73.7
	T-117-SE43-SC-24	0.48	70.5
	T-117-SE43-SC-46	0.56	69.2
	T-117-SE43-SC-68	0.65	69.1
	T-117-SE43-SC-810	0.50	70.6
T-117-SE-70-SC	T-117-SE70-SC-0-0.5	2.4	55.2
	T-117-SE70-SC-0.5-1	2.0	71.1
	T-117-SE70-SC-12	1.9	62.8
T-117-SE-71-SC	T-117-SE71-SC-01	1.3	74.5
	T-117-SE71-SC-12	0.14	78.3
	T-117-SE71-SC-2-2.7	0.079	78.7
T-117-SE-72-SC	T-117-SE72-SC-01	2.2 <sup>b</sup>	68.9 <sup>b</sup>
	T-117-SE72-SC-12	1.9	73.6
	T-117-SE72-SC-2-2.4	2.0	71.4
T-117-SE-89-SC	T-117-SE89-SC-02	2.06 <sup>b</sup>	53.43 <sup>b</sup>

Location ID	SAMPLE ID	TOC (%)	TOTAL SOLIDS (%)
T-117-SE-91-SC	T-117-SE91-SC-02	2.51	46.70
T-117-SE-93-SC	T-117-SE93-SC-02	2.41	46.40

<sup>a</sup> Field duplicate

<sup>b</sup> Results averaged with lab duplicate and triplicate

TOC — total organic carbon

J — Estimated value

**Table D-12. Soil boring 1 results**

PARAMETER	UNIT	T-117-SB1-01	T-117-SB1-02	T-117-SB1-03	T-117-SB1-04	T-117-SB1-05	T-117-SB1-06
<b>PCBs</b>							
Aroclor-1016	µg/kg dw	880 U	110 U	19 U	56 U	20 U	20 U
Aroclor-1221	µg/kg dw	880 U	110 U	19 U	56 U	20 U	20 U
Aroclor-1232	µg/kg dw	880 U	110 U	19 U	56 U	20 U	20 U
Aroclor-1242	µg/kg dw	880 U	110 U	19 U	56 U	20 U	20 U
Aroclor-1248	µg/kg dw	880 U	110 U	19 U	56 U	20 U	20 U
Aroclor-1254	µg/kg dw	880 U	110 U	19 U	56 U	20 U	20 U
Aroclor-1260	µg/kg dw	85,000	33,000	56	2,700	130	20 U
Total PCBs <sup>a</sup>	µg/kg dw	85,000	33,000	56	2,700	130	20 U
Total PCBs	mg/kg-OC	<b>7,100</b>	<b>2,100</b>	1.4	<b>290</b>	3.7	nc <sup>b</sup>
<b>PAHs</b>							
<b>LPAHs</b>							
2-Methylnaphthalene	µg/kg dw	19 U	19 U	38 U	19 U	39 U	19 U
Acenaphthene	µg/kg dw	19 U	19 U	38 U	19 U	39 U	19 U
Acenaphthylene	µg/kg dw	19 U	19 U	38 U	19 U	39 U	19 U
Anthracene	µg/kg dw	19 U	19 U	38 U	19 U	39 U	19 U
Fluorene	µg/kg dw	19 U	19 U	38 U	19 U	39 U	19 U
Naphthalene	µg/kg dw	19 U	19 U	38 U	19 U	39 U	19 U
Phenanthrene	µg/kg dw	37	19 U	38 U	19 U	170	19 U
Total LPAHs <sup>c</sup>	µg/kg dw	37	19 U	38 U	19 U	170	19 U
<b>HPAHs</b>							
Benzo(a)anthracene	µg/kg dw	25 J	19 U	38 U	19 U	180	19 U
Benzo(a)pyrene	µg/kg dw	34	24	52	19 U	390	19 U
Benzo(b)fluoranthene	µg/kg dw	36	33	56	19 U	110	19 U
Benzo(g,h,i)perylene	µg/kg dw	21	51	110	27	110	19 U
Benzo(k)fluoranthene	µg/kg dw	58 U	19 U	56	19 U	130	19 U
Chrysene	µg/kg dw	35 J	31	100	26	720	39
Dibenzo(a,h)anthracene	µg/kg dw	19 U	19 U	38 U	19 U	39 U	19 U
Fluoranthene	µg/kg dw	56	25	47	22	41	19 U
Indeno(1,2,3-cd)pyrene	µg/kg dw	19 U	26	73	19 U	50 J	19 U
Pyrene	µg/kg dw	33	30	96	25	170	19 U
Total HPAHs <sup>d</sup>	µg/kg dw	240 J	220	590	100	1,900 J	39
<b>Other PAHs</b>							
Dibenzofuran	µg/kg dw	19 U	19 U	38 U	19 U	39 U	19 U

PARAMETER	UNIT	T-117-SB1-01	T-117-SB1-02	T-117-SB1-03	T-117-SB1-04	T-117-SB1-05	T-117-SB1-06
<b>Conventionals</b>							
Clay (<3 microns)	% dw	0.0	nt	0.0	nt	nt	nt
Silt (75-3 microns)	% dw	0.0	nt	0.0	nt	nt	nt
Fine Sand (425-75 microns)	% dw	52.0	nt	30.8	nt	nt	nt
Medium Sand (2000-425 microns)	% dw	12.9	nt	14.1	nt	nt	nt
Coarse Sand (4750-2000 microns)	% dw	10.7	nt	23.5	nt	nt	nt
Gravel (>4750 microns)	% dw	17.3	nt	25.8	nt	nt	nt
Moisture	%	13.3	nt	10.1	nt	nt	nt
TOC	% dw	1.2	1.6	3.9	0.94	3.5	0.12
Total solids	% ww	91.6	93.1	94.9	92.0	87.2	76.5

***bold and italicized*** indicates Cleanup Screening Level (65 mg/kg-OC) exceedance

<sup>a</sup> Total PCBs is the sum of detected Aroclors 1016, 1221, 1232, 1242, 1248, 1254 and 1260

<sup>b</sup> Carbon normalized value not calculated since %TOC was <0.2%

<sup>c</sup> Total LPAHs is the sum of detected concentrations for naphthalene, acenaphthylene, acenaphthene, fluorene, phenanthrene, and anthracene

<sup>d</sup> Total HPAHs is the sum of detected concentrations for fluoranthene, pyrene, benzo(a)anthracene, chrysene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene, indeno(1,2,3,-c,d)pyrene, dibenzo(a,h)anthracene, and benzo(g,h,i)perylene

dw — dry weight

nc — not calculated

nt — not tested

OC — organic carbon normalized

TOC — total organic carbon

ww — wet weight

J — Estimated value

U — Undetected value

**Table D-13. Soil boring 2 results**

PARAMETER	UNIT	T-117-SB2-01	T-117-SB2-02	T-117-SB2-03	T-117-SB2-06
<b>PCBs</b>					
Aroclor-1016	µg/kg dw	930 U	940 U	110 U	20 U
Aroclor-1221	µg/kg dw	930 U	940 U	110 U	20 U
Aroclor-1232	µg/kg dw	930 U	940 U	110 U	20 U
Aroclor-1242	µg/kg dw	930 U	940 U	110 U	20 U
Aroclor-1248	µg/kg dw	930 U	940 U	110 U	20 U
Aroclor-1254	µg/kg dw	930 U	940 U	110 U	20 U
Aroclor-1260	µg/kg dw	150,000	120,000	5,600	33
Total PCBs <sup>a</sup>	µg/kg dw	150,000	120,000	5,600	33
Total PCBs	mg/kg-OC	<b>6,300</b>	<b>4,800</b>	<b>920</b>	8.5
<b>PAHs</b>					
<b>LPAHs</b>					
2-Methylnaphthalene	µg/kg dw	110	200 U	20 U	19 U
Acenaphthene	µg/kg dw	280	200	20 U	19 U
Acenaphthylene	µg/kg dw	25	200 U	20 U	19 U
Anthracene	µg/kg dw	450	380	20 U	19 U
Fluorene	µg/kg dw	240	200 U	20 U	19 U
Naphthalene	µg/kg dw	390	200 U	20 U	19 U
Phenanthrene	µg/kg dw	1,600	1,900	31	19 U
Total LPAHs <sup>b</sup>	µg/kg dw	3,000	2,500	31	19 U
<b>HPAHs</b>					
Benzo(a)anthracene	µg/kg dw	880	670	20 U	19 U
Benzo(a)pyrene	µg/kg dw	920	590	20 U	19 U
Benzo(b)fluoranthene	µg/kg dw	990	560	20 U	19 U
Benzo(g,h,i)perylene	µg/kg dw	600	410	20 U	19 U
Benzo(k)fluoranthene	µg/kg dw	770	500	20 U	19 U
Chrysene	µg/kg dw	940	810	20 U	19 U
Dibenzo(a,h)anthracene	µg/kg dw	180	200 U	20 U	19 U
Fluoranthene	µg/kg dw	2,000	1,700	39	19 U
Indeno(1,2,3-cd)pyrene	µg/kg dw	550	360	20 U	19 U
Pyrene	µg/kg dw	1,500	1,400	20 U	19 U
Total HPAHs <sup>c</sup>	µg/kg dw	9,300	7,000	39	19 U
<b>Other PAHs</b>					
Dibenzofuran	µg/kg dw	150	200 U	20 U	19 U

PARAMETER	UNIT	T-117-SB2-01	T-117-SB2-02	T-117-SB2-03	T-117-SB2-06
<b>Conventionals</b>					
TOC	% dw	2.4	2.5	0.61	0.39
Total solids	% ww	87.6	85.2	91.5	75.5

***bold and italicized*** indicates Cleanup Screening Level (65 mg/kg-OC) exceedance

- <sup>a</sup> Total PCBs is the sum of detected Aroclors 1016, 1221, 1232, 1242, 1248, 1254 and 1260
- <sup>b</sup> Total LPAHs is the sum of detected concentrations for naphthalene, acenaphthylene, acenaphthene, fluorene, phenanthrene, and anthracene
- <sup>c</sup> Total HPAHs is the sum of detected concentrations for fluoranthene, pyrene, benzo(a)anthracene, chrysene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene, indeno(1,2,3,-c,d)pyrene, dibenzo(a,h)anthracene, and benzo(g,h,i)perylene

dw — dry weight

OC — organic carbon normalized

TOC — total organic carbon

ww — wet weight

U — Undetected value

**Table D-14. Soil boring 3 results**

PARAMETER	UNIT	T-117-SB3-01	T-117-SB3-02	T-117-SB3-03	T-117-SB3-04	T-117-SB3-05	T-117-SB3-06
<b>PCBs</b>							
Aroclor-1016	µg/kg dw	1,800 U	1,800 U	540 U	530 U	19 U	20 U
Aroclor-1221	µg/kg dw	1,800 U	1,800 U	540 U	530 U	19 U	20 U
Aroclor-1232	µg/kg dw	1,800 U	1,800 U	540 U	530 U	19 U	20 U
Aroclor-1242	µg/kg dw	1,800 U	1,800 U	540 U	530 U	19 U	20 U
Aroclor-1248	µg/kg dw	1,800 U	1,800 U	540 U	530 U	19 U	20 U
Aroclor-1254	µg/kg dw	1,800 U	1,800 U	540 U	530 U	19 U	20 U
Aroclor-1260	µg/kg dw	29,000	28,000	6,700	5,600	19 U	20 U
Total PCBs <sup>a</sup>	µg/kg dw	29,000	28,000	6,700	5,600	19 U	20 U
Total PCBs	mg/kg-OC	<b>3,500</b>	<b>3,200</b>	<b>670</b>	<b>680</b>	5.6 U	3.6 U
<b>PAHs</b>							
<b>LPAHs</b>							
2-Methylnaphthalene	µg/kg dw	19 U	41	19 U	19 U	19 U	20 U
Acenaphthene	µg/kg dw	120	220	19 U	25	19 U	20 U
Acenaphthylene	µg/kg dw	19 U	26	19 U	19 U	19 U	20 U
Anthracene	µg/kg dw	280	760	21	55	19 U	20 U
Fluorene	µg/kg dw	120	200	19 U	23	19 U	20 U
Naphthalene	µg/kg dw	19 U	82	19 U	20	19 U	20 U
Phenanthrene	µg/kg dw	980	2,500	87	160	19 U	20 U
Total LPAHs <sup>b</sup>	µg/kg dw	1,500	3,800	110	280	19 U	20 U
<b>HPAHs</b>							
Benzo(a)anthracene	µg/kg dw	380	1,600	42	84	19 U	20 U
Benzo(a)pyrene	µg/kg dw	370	1,600	53	85	19 U	20 U
Benzo(b)fluoranthene	µg/kg dw	490	1,600	74	74	19 U	20 U
Benzo(g,h,i)perylene	µg/kg dw	110	730	30	23	19 U	20 U
Benzo(k)fluoranthene	µg/kg dw	300	1,500	51	120	19 U	20 U
Chrysene	µg/kg dw	440	1,900	63	96	19 U	20 U
Dibenzo(a,h)anthracene	µg/kg dw	48	280	19 U	19 U	19 U	20 U
Fluoranthene	µg/kg dw	1,100	3,900	100	200	19 U	20 U
Indeno(1,2,3-cd)pyrene	µg/kg dw	100	770	19 U	24	19 U	20 U
Pyrene	µg/kg dw	800	3,300	100	180	19 U	20 U
Total HPAHs <sup>c</sup>	µg/kg dw	4,100	17,000	510	890	19 U	20 U
<b>Other PAHs</b>							
Dibenzofuran	µg/kg dw	60	110	19 U	19 U	19 U	20 U

PARAMETER	UNIT	T-117-SB3-01	T-117-SB3-02	T-117-SB3-03	T-117-SB3-04	T-117-SB3-05	T-117-SB3-06
<b>Conventionals</b>							
Clay (<3 microns)	% dw	0.0	nt	nt	nt	nt	nt
Silt (75-3 microns)	% dw	0.0	nt	nt	nt	nt	nt
Fine Sand (425-75 microns)	% dw	25.8	nt	nt	nt	nt	nt
Medium Sand (2000-425 microns)	% dw	24.3	nt	nt	nt	nt	nt
Coarse Sand (4750-2000 microns)	% dw	24.7	nt	nt	nt	nt	nt
Gravel (>4750 microns)	% dw	18.6	nt	nt	nt	nt	nt
Moisture	%	9.6	nt	nt	nt	nt	nt
TOC	% dw	0.84	0.88	1.0	0.82	0.34 <sup>d</sup>	0.55
Total solids	% ww	91.4	94.2	87.8	86.7	73.0 <sup>d</sup>	70.3

***bold and italicized*** indicates Cleanup Screening Level (65 mg/kg-OC) exceedance

- <sup>a</sup> Total PCBs is the sum of detected Aroclors 1016, 1221, 1232, 1242, 1248, 1254 and 1260
- <sup>b</sup> Total LPAHs is the sum of detected concentrations for naphthalene, acenaphthylene, acenaphthene, fluorene, phenanthrene, and anthracene
- <sup>c</sup> Total HPAHs is the sum of detected concentrations for fluoranthene, pyrene, benzo(a)anthracene, chrysene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene, indeno(1,2,3,-c,d)pyrene, dibenzo(a,h)anthracene, and benzo(g,h,i)perylene
- <sup>d</sup> Result averaged with laboratory duplicate and triplicate

dw — dry weight

nt — not tested

OC — organic carbon normalized

TOC — total organic carbon

ww — wet weight

U — Undetected value

**Table D-15. Soil boring 4 results**

PARAMETER	UNIT	T-117-SB4-01	T-117-SB4-02	T-117-SB4-03	T-117-SB4-04	T-117-SB4-05	T-117-SB4-06
<b>PCBs</b>							
Aroclor-1016	µg/kg dw	20 U	20 U	460 U	20 U	20 U	20 U
Aroclor-1221	µg/kg dw	20 U	20 U	460 U	20 U	20 U	20 U
Aroclor-1232	µg/kg dw	20 U	20 U	460 U	20 U	20 U	20 U
Aroclor-1242	µg/kg dw	20 U	20 U	460 U	20 U	20 U	20 U
Aroclor-1248	µg/kg dw	20 U	20 U	460 U	20 U	20 U	20 U
Aroclor-1254	µg/kg dw	20 U	20 U	460 U	20 U	20 U	20 U
Aroclor-1260	µg/kg dw	20 U	20 U	4,000	20 U	16 J	20 U
Total PCBs <sup>a</sup>	µg/kg dw	20 U	20 U	4,000	20 U	16 J	20 U
Total PCBs	mg/kg-OC	2.4 U	7.1 U	<b>330</b>	1.8 U	nc <sup>b</sup>	nc <sup>b</sup>
<b>PAHs</b>							
<b>LPAHs</b>							
2-Methylnaphthalene	µg/kg dw	65	19 U	260	19 U	19 U	19 U
Acenaphthene	µg/kg dw	58 U	19 U	190	39	19 U	19 U
Acenaphthylene	µg/kg dw	58 U	19 U	1,200	19 U	19 U	19 U
Anthracene	µg/kg dw	58 U	19 U	950	26	19 U	19 U
Fluorene	µg/kg dw	58 U	19 U	770	35	19 U	19 U
Naphthalene	µg/kg dw	58 U	19 U	360	19 U	19 U	19 U
Phenanthrene	µg/kg dw	75	22	9,000	19 U	19 U	19 U
Total LPAHs <sup>c</sup>	µg/kg dw	75	22	13,000	100	19 U	19 U
<b>HPAHs</b>							
Benzo(a)anthracene	µg/kg dw	58 U	19 U	2,200	19 U	19 U	19 U
Benzo(a)pyrene	µg/kg dw	58 U	19 U	3,800	19 U	19 U	19 U
Benzo(b)fluoranthene	µg/kg dw	58 U	19 U	4,900	19 U	19 U	19 U
Benzo(g,h,i)perylene	µg/kg dw	58 U	19 U	1,100	19 U	19 U	19 U
Benzo(k)fluoranthene	µg/kg dw	58 U	19 U	4,200	19 U	19 U	19 U
Chrysene	µg/kg dw	63	19 U	4,000	28	19 U	19 U
Dibenzo(a,h)anthracene	µg/kg dw	58 U	19 U	400	19 U	19 U	19 U
Fluoranthene	µg/kg dw	58 U	19 U	9,300	19 U	19 U	19 U
Indeno(1,2,3-cd)pyrene	µg/kg dw	58 U	19 U	1,200	19 U	19 U	19 U
Pyrene	µg/kg dw	58 U	25	8,500	46	19 U	19 U
Total HPAHs <sup>d</sup>	µg/kg dw	63	25	40,000	74	19 U	19 U
<b>Other PAHs</b>							
Dibenzofuran	µg/kg dw	58 U	19 U	470	81	19 U	19 U

PARAMETER	UNIT	T-117-SB4-01	T-117-SB4-02	T-117-SB4-03	T-117-SB4-04	T-117-SB4-05	T-117-SB4-06
<b>Conventionals</b>							
Clay (<3 microns)	% dw	nt	nt	nt	34.4	nt	nt
Silt (75-3 microns)	% dw	nt	nt	nt	64.5	nt	nt
Fine Sand (425-75 microns)	% dw	nt	nt	nt	0.7	nt	nt
Medium Sand (2000-425 microns)	% dw	nt	nt	nt	0.5	nt	nt
Coarse Sand (4750-2000 microns)	% dw	nt	nt	nt	0.0	nt	nt
Gravel (>4750 microns)	% dw	nt	nt	nt	0.0	nt	nt
Moisture	%	nt	nt	nt	39.3	nt	nt
TOC	% dw	0.84	0.28	1.2	1.1	0.17	0.14
Total solids	% ww	90.2	94.4	83.2	67.8	72.3	76.0

***bold and italicized*** indicates Cleanup Screening Level (65 mg/kg-OC) exceedance

- <sup>a</sup> Total PCBs is the sum of detected Aroclors 1016, 1221, 1232, 1242, 1248, 1254 and 1260
- <sup>b</sup> Carbon normalized value not calculated since %TOC was <0.2%
- <sup>c</sup> Total LPAHs is the sum of detected concentrations for naphthalene, acenaphthylene, acenaphthene, fluorene, phenanthrene, and anthracene
- <sup>d</sup> Total HPAHs is the sum of detected concentrations for fluoranthene, pyrene, benzo(a)anthracene, chrysene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene, indeno(1,2,3,-c,d)pyrene, dibenzo(a,h)anthracene, and benzo(g,h,i)perylene

dw — dry weight

nc — not calculated

nt — not tested

OC — organic carbon normalized

TOC — total organic carbon

ww — wet weight

J — Estimated value

U — Undetected value

**Table D-16. Soil boring 5 results**

PARAMETER	UNIT	T-117-SB5-01	T-117-SB5-02	T-117-SB5-03	T-117-SB5-04	T-117-SB5-05	T-117-SB5-06
<b>PCBs</b>							
Aroclor-1016	µg/kg dw	140 U	120 U	20 U	20 U	20 U	20 U
Aroclor-1221	µg/kg dw	140 U	120 U	20 U	20 U	20 U	20 U
Aroclor-1232	µg/kg dw	140 U	120 U	20 U	20 U	20 U	20 U
Aroclor-1242	µg/kg dw	140 U	120 U	20 U	20 U	20 U	20 U
Aroclor-1248	µg/kg dw	140 U	120 U	20 U	20 U	20 U	20 U
Aroclor-1254	µg/kg dw	140 U	120 U	20 U	20 U	20 U	20 U
Aroclor-1260	µg/kg dw	15,000	6,800	18 J	20 U	140	180
Total PCBs <sup>a</sup>	µg/kg dw	15,000	6,800	18 J	20 U	140	180
Total PCBs	mg/kg-OC	<b>500</b>	<b>1000</b>	6.0 J	2.2 U	<b>26</b>	<b>53</b>
<b>PAHs</b>							
<b>LPAHs</b>							
2-Methylnaphthalene	µg/kg dw	39 U	19 U	20 U	19 U	19 U	19 U
Acenaphthene	µg/kg dw	39 U	19 U	20 U	19 U	19 U	19 U
Acenaphthylene	µg/kg dw	39 U	19 U	20 U	19 U	19 U	19 U
Anthracene	µg/kg dw	39 U	19 U	20 U	19 U	19 U	19 U
Fluorene	µg/kg dw	39 U	19 U	20 U	19 U	19 U	19 U
Naphthalene	µg/kg dw	39 U	19 U	20 U	19 U	19 U	19 U
Phenanthrene	µg/kg dw	86	19 U	20 U	19 U	19 U	26
Total LPAHs <sup>b</sup>	µg/kg dw	86	19 U	20 U	19 U	19 U	26
<b>HPAHs</b>							
Benzo(a)anthracene	µg/kg dw	59	19 U	20 U	19 U	19 U	19 U
Benzo(a)pyrene	µg/kg dw	89	19 U	20 U	19 U	19 U	19 U
Benzo(b)fluoranthene	µg/kg dw	66	19 U	20 U	19 U	19 U	19 U
Benzo(g,h,i)perylene	µg/kg dw	140	19 U	20 U	19 U	19 U	19 U
Benzo(k)fluoranthene	µg/kg dw	120	19 U	20 U	19 U	19 U	19 U
Chrysene	µg/kg dw	130	19 U	20 U	19 U	19 U	19 U
Dibenzo(a,h)anthracene	µg/kg dw	41	19 U	20 U	19 U	19 U	19 U
Fluoranthene	µg/kg dw	120	19 U	20 U	19 U	19 U	24
Indeno(1,2,3-cd)pyrene	µg/kg dw	62	19 U	20 U	19 U	19 U	19 U
Pyrene	µg/kg dw	110	19 U	20 U	19 U	19 U	19 U
Total HPAHs <sup>c</sup>	µg/kg dw	940	19 U	20 U	19 U	19 U	24
<b>Other PAHs</b>							
Dibenzofuran	µg/kg dw	39 U	19 U	20 U	19 U	19 U	19 U

PARAMETER	UNIT	T-117-SB5-01	T-117-SB5-02	T-117-SB5-03	T-117-SB5-04	T-117-SB5-05	T-117-SB5-06
<b>Conventionals</b>							
TOC	% dw	3.0	0.66	0.30 <sup>d</sup>	0.93	0.54	0.34
Total solids	% ww	84.1	85.2	71.6 <sup>d</sup>	68.2	71.8	73.8

**bold** indicates Sediment Quality Standards (12 mg/kg-OC) exceedance

**bold and italicized** indicates Cleanup Screening Level (65 mg/kg-OC) exceedance

- <sup>a</sup> Total PCBs is the sum of detected Aroclors 1016, 1221, 1232, 1242, 1248, 1254 and 1260
- <sup>b</sup> Total LPAHs is the sum of detected concentrations for naphthalene, acenaphthylene, acenaphthene, fluorene, phenanthrene, and anthracene
- <sup>c</sup> Total HPAHs is the sum of detected concentrations for fluoranthene, pyrene, benzo(a)anthracene, chrysene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene, indeno(1,2,3-c,d)pyrene, dibenzo(a,h)anthracene, and benzo(g,h,i)perylene
- <sup>d</sup> Result averaged with laboratory duplicate and triplicate

dw — dry weight

OC — organic carbon normalized

TOC — total organic carbon

ww — wet weight

J — Estimated value

U — Undetected value

**Table D-17. Soil boring 6 results**

PARAMETER	UNIT	T-117-SB6-01	T-117-SB6-02	T-117-SB6-03	T-117-SB6-05	T-117-SB6-06
<b>PCBs</b>						
Aroclor-1016	µg/kg dw	170 U	20 U	20 U	20 U	20 U
Aroclor-1221	µg/kg dw	170 U	20 U	20 U	20 U	20 U
Aroclor-1232	µg/kg dw	170 U	20 U	20 U	20 U	20 U
Aroclor-1242	µg/kg dw	170 U	20 U	20 U	20 U	20 U
Aroclor-1248	µg/kg dw	170 U	20 U	20 U	20 U	20 U
Aroclor-1254	µg/kg dw	170 U	20 U	20 U	20 U	20 U
Aroclor-1260	µg/kg dw	5,100	99	20 U	20 U	20 U
Total PCBs <sup>a</sup>	µg/kg dw	5,100	99	20 U	20 U	20 U
Total PCBs	mg/kg-OC	<b>980</b>	7.6	2.9 U	3.6 U	3.6 U
<b>PAHs</b>						
<b>LPAHs</b>						
2-Methylnaphthalene	µg/kg dw	19 U	19 U	19 UJ	19 U	20 U
Acenaphthene	µg/kg dw	19 U	19 U	19 UJ	19 U	20 U
Acenaphthylene	µg/kg dw	40	19 U	19 UJ	19 U	20 U
Anthracene	µg/kg dw	61	19 U	36 J	19 U	20 U
Fluorene	µg/kg dw	19 U	19 U	19 UJ	19 U	20 U
Naphthalene	µg/kg dw	19 U	19 U	19 UJ	19 U	20 U
Phenanthrene	µg/kg dw	170	43	230 J	19 U	20 U
Total LPAHs <sup>b</sup>	µg/kg dw	270	43	270 J	19 U	20 U
<b>HPAHs</b>						
Benzo(a)anthracene	µg/kg dw	200	61	210 J	19 U	20 U
Benzo(a)pyrene	µg/kg dw	180	60	130 J	19 U	20 U
Benzo(b)fluoranthene	µg/kg dw	140	67	100 J	19 U	20 U
Benzo(g,h,i)perylene	µg/kg dw	37	19 U	54 J	19 U	20 U
Benzo(k)fluoranthene	µg/kg dw	210	75	140 J	19 U	20 U
Chrysene	µg/kg dw	270	81	240 J	19 U	20 U
Dibenzo(a,h)anthracene	µg/kg dw	19 U	19 U	29 J	19 U	20 U
Fluoranthene	µg/kg dw	310	92	410 J	19 U	20 U
Indeno(1,2,3-cd)pyrene	µg/kg dw	39	19 U	54 J	19 U	20 U
Pyrene	µg/kg dw	450	160	320 J	19 U	20 U
Total HPAHs <sup>c</sup>	µg/kg dw	1,800	600	1,700 J	19 U	20 U
<b>Other PAHs</b>						
Dibenzofuran	µg/kg dw	19 U	19 U	19 UJ	19 U	20 U

PARAMETER	UNIT	T-117-SB6-01	T-117-SB6-02	T-117-SB6-03	T-117-SB6-05	T-117-SB6-06
<b>Conventionals</b>						
Clay (<3 microns)	% dw	nt	nt	0.0	42.9	nt
Silt (75-3 microns)	% dw	nt	nt	0.0	54.5	nt
Fine Sand (425-75 microns)	% dw	nt	nt	31.4	2.1	nt
Medium Sand (2000-425 microns)	% dw	nt	nt	12.2	0.5	nt
Coarse Sand (4750-2000 microns)	% dw	nt	nt	13.3	0.0	nt
Gravel (>4750 microns)	% dw	nt	nt	14.4	0.0	nt
Moisture	%	nt	nt	13.3	52.3	nt
TOC	% dw	0.52	1.3	0.70	0.56	0.55
Total solids	% ww	87.3	86.6	88.2	71.0	71.3

***bold and italicized*** indicates Cleanup Screening Level (65 mg/kg-OC) exceedance

- <sup>a</sup> Total PCBs is the sum of detected Aroclors 1016, 1221, 1232, 1242, 1248, 1254 and 1260
- <sup>b</sup> Total LPAHs is the sum of detected concentrations for naphthalene, acenaphthylene, acenaphthene, fluorene, phenanthrene, and anthracene
- <sup>c</sup> Total HPAHs is the sum of detected concentrations for fluoranthene, pyrene, benzo(a)anthracene, chrysene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene, indeno(1,2,3,-c,d)pyrene, dibenzo(a,h)anthracene, and benzo(g,h,i)perylene

dw — dry weight

nt — not tested

OC — organic carbon normalized

TOC — total organic carbon

ww — wet weight

J — Estimated value

U — Undetected value

**Table D-18. Supplemental soil boring PCB results (µg/kg-dw)**

PARAMETER	UNIT	T-117-SB7-01	T-117-SB8-01	T-117-SB15-01 <sup>a</sup>	T-117-SB9-01	T-117-SB10-01	T-117-SB11-01	T-117-SB12-01	T-117-SB13-01	T-117-SB14-01
Aroclor 1016	ug/kg dw	nt	300 U	280 U	nt	nt	nt	940 U	290 U	330 U
Aroclor 1221	ug/kg dw	nt	300 U	280 U	nt	nt	nt	940 U	290 U	330 U
Aroclor 1232	ug/kg dw	nt	300 U	280 U	nt	nt	nt	940 U	290 U	330 U
Aroclor 1242	ug/kg dw	nt	300 U	280 U	nt	nt	nt	940 U	290 U	330 U
Aroclor 1248	ug/kg dw	nt	300 U	280 U	nt	nt	nt	940 U	290 U	330 U
Aroclor 1254	ug/kg dw	nt	300 U	280 U	nt	nt	nt	940 U	290 U	330 U
Aroclor 1260	ug/kg dw	nt	15,000	11,000	nt	nt	nt	37,000	5,000	31,000
Total PCBs <sup>b</sup>	ug/kg dw	200,000 J <sup>c</sup>	15,000	11,000	100,000 J <sup>c</sup>	100,000 J <sup>c</sup>	70,000 J <sup>c</sup>	37,000	5,000	31,000
Total PCBs	mg/kg-OC	<b>10,000 J</b>	<b>380</b>	<b>370</b>	<b>4,300 J</b>	<b>3,800 J</b>	<b>1,600 J</b>	<b>1,200</b>	<b>250</b>	nc <sup>d</sup>
TOC	%	2.0 <sup>c</sup>	3.9	3.0	2.3	2.6	4.4	3.2	2.0	5.7
Total solids	%	89.2 <sup>c</sup>	90.4	91.5	88.4	89.1	82.8	84.2	90.5	79.3

**bold and italicized** indicates Cleanup Screening Level (65 mg/kg-OC) exceedance

<sup>a</sup> Field duplicate of T-117-SB-8-01

<sup>b</sup> Sum of detected Aroclors 1016, 1221, 1232, 1242, 1248, 1254, and 1260

<sup>c</sup> Result from screen; Method 8082 not used for quantification

<sup>d</sup> Carbon normalized value not calculated since %TOC was >5.0%

dw — dry weight

nc — not calculated

nt — not tested

OC — organic carbon normalized

TOC — total organic carbon

J — Estimated value

U — Undetected value

**Table D-19. Catch basin and drainage ditch soil sample results**

PARAMETER	UNIT	T-117-CB1-SU	T-117-CB1-SU-D <sup>a</sup>	T-117-CB5	T-117-CB5-OUT	T-117-DS1	T-117-DS1-D <sup>b</sup>	T-117-DS2
<b>PCBs</b>								
Aroclor-1016	µg/kg dw	140 U	140 U	140 U	20 U	20 U	20 U	240 U
Aroclor-1221	µg/kg dw	140 U	140 U	140 U	20 U	20 U	20 U	240 U
Aroclor-1232	µg/kg dw	140 U	140 U	140 U	20 U	20 U	20 U	240 U
Aroclor-1242	µg/kg dw	140 U	140 U	140 U	20 U	20 U	20 U	240 U
Aroclor-1248	µg/kg dw	140 U	140 U	140 U	20 U	20 U	20 U	240 U
Aroclor-1254	µg/kg dw	700 U	140 U	140 U	20 U	20 U	20 U	240 U
Aroclor-1260	µg/kg dw	2,600 J	3,000 J	50,000	1,400	2,200 J	1,600 J	4,600
Total PCBs <sup>c</sup>	µg/kg dw	2,600 J	3,000 J	50,000	1,400	2,200 J	1,600 J	4,600
<b>SVOCs</b>								
<b>LPAHs</b>								
2-Methylnaphthalene	µg/kg dw	39 U	62	810	40 U	93 U	85 U	120 U
Acenaphthene	µg/kg dw	63	95	84 U	40 U	93 U	85 U	120 U
Acenaphthylene	µg/kg dw	39 U	39 U	84 U	40 U	93 U	85 U	120 U
Anthracene	µg/kg dw	110	76	95	40 U	93 U	85 U	120 U
Fluorene	µg/kg dw	91	170	380	40 U	93 U	85 U	120 U
Naphthalene	µg/kg dw	39 U	63	210	40 U	93 U	85 U	120 U
Phenanthrene	µg/kg dw	850	1,200	960	160	320	380	630
Total LPAHs <sup>d</sup>	µg/kg dw	1,100	1,600	1,700	160	320	380	630
<b>HPAHs</b>								
Benzo(a)anthracene	µg/kg dw	290	250	290 J	73	190	210 J	410 J
Benzo(a)pyrene	µg/kg dw	280	230	250 J	79 J	230 J	230 J	490 J
Benzo(b)fluoranthene	µg/kg dw	500	530	690 J	270 J	530	550	1,100 J
Benzo(g,h,i)perylene	µg/kg dw	150 J	150 J	210 J	67 J	110 J	190 J	600 J
Benzo(k)fluoranthene	µg/kg dw	410	380	290 J	120 J	320 J	340 J	610 J
Chrysene	µg/kg dw	430	450	510 J	160	230	270 J	900 J
Dibenzo(a,h)anthracene	µg/kg dw	53 J	54 J	84 UJ	40 UJ	93 UJ	120 J	230 J
Fluoranthene	µg/kg dw	1,200	1,400	560	230	520	580	970
Indeno(1,2,3-cd)pyrene	µg/kg dw	240	210	190 J	75 J	190 J	210 J	430 J
Pyrene	µg/kg dw	1,500	1,700	1,500 J	460	750	1,000 J	2,400 J
Total HPAHs <sup>e</sup>	µg/kg dw	5,100 J	5,400 J	4,500 J	1,500 J	3,100 J	3,700 J	8,100 J
<b>Phenols</b>								
2,4-Dimethylphenol	µg/kg dw	39 U	39 U	84 U	40 U	93 U	85 U	120 U

PARAMETER	UNIT	T-117-CB1-SU	T-117-CB1-SU-D <sup>a</sup>	T-117-CB5	T-117-CB5-OUT	T-117-DS1	T-117-DS1-D <sup>b</sup>	T-117-DS2
2-Methylphenol	µg/kg dw	39 U	39 U	84 U	40 U	93 U	85 U	120 U
4-Methylphenol	µg/kg dw	560	550	84 U	440	93 U	85 U	120 U
Pentachlorophenol	µg/kg dw	480 J	3,500 J	420 U	200 U	460 U	420 U	600 U
Phenol	µg/kg dw	39 U	39 U	84 U	71 BU	93 U	130 BU	120 U
<b>Phthalates</b>								
Bis(2-ethylhexyl)phthalate	µg/kg dw	1,800	1,700	12,000	6,600	340	420	590 J
Butyl benzyl phthalate	µg/kg dw	2,200	2,400	84 UJ	430	260	380 J	480 J
Diethyl phthalate	µg/kg dw	39 U	39 U	84 U	40 U	93 U	85 U	120 U
Dimethyl phthalate	µg/kg dw	53	47	84 U	51 J	95	120	120
Di-n-butyl phthalate	µg/kg dw	61	53	84 U	40 U	93 U	85 U	120 U
Di-n-octyl phthalate	µg/kg dw	39 UJ	39 UJ	84 UJ	40 UJ	93 U	85 U	120 UJ
<b>Other SVOCs</b>								
Benzoic acid	µg/kg dw	390 U	390 U	840 U	400 U	2,000 J	4,500 J	1,300
Benzyl alcohol	µg/kg dw	56	57	84 U	87	860	1,000	190
Dibenzofuran	µg/kg dw	52 J	120 J	95	40 U	93 U	85 U	120 U
Hexachlorobenzene	µg/kg dw	6.9 U	7.1 U	4.5 J	0.61 J	0.99 U	1.0 U	12 U
Hexachlorobutadiene	µg/kg dw	6.9 U	7.1 U	13	0.98 U	0.99 U	1.0 U	12 U
Hexachloroethane	µg/kg dw	nt	nt	nt	40 U	nt	nt	nt
N-Nitrosodiphenylamine	µg/kg dw	39 U	39 U	84 U	40 U	93 U	85 U	120 U
<b>VOCs</b>								
1,2-Dichlorobenzene	µg/kg dw	1.1 UJ	1.0 U	1.6 JN	1.4 UJ	2.8 U	3.5 U	2.5 UJ
1,3-Dichlorobenzene	µg/kg dw	1.1 UJ	1.0 U	13 JN	1.4 UJ	2.8 U	3.5 U	2.5 UJ
1,4-Dichlorobenzene	µg/kg dw	1.1 UJ	1.0 U	33 JN	1.4 UJ	2.8 U	3.5 U	2.5 UJ
1,2,4-Trichlorobenzene	µg/kg dw	5.4 UJ	5.1 U	15 JN	7.2 UJ	14 U	18 U	12 UJ
<b>Metals</b>								
Antimony	mg/kg dw	nt	nt	nt	9 U <sup>f</sup>	nt	nt	nt
Arsenic	mg/kg dw	12 <sup>f</sup>	14	24	22 J <sup>f</sup>	10 U	10 U	10
Cadmium	mg/kg dw	0.7 <sup>f</sup>	0.7	0.7	1.6 <sup>f</sup>	2.1	2.2	1.9
Chromium	mg/kg dw	34.4 J <sup>f</sup>	33.8	35.4	53.7 <sup>f</sup>	26	27	36
Copper	mg/kg dw	86.9 <sup>f</sup>	82.8	113	144 <sup>f</sup>	62.7	63.3	76.4
Lead	mg/kg dw	50 <sup>f</sup>	45	57	61 <sup>f</sup>	73	79	130
Mercury	mg/kg dw	0.07 U <sup>f</sup>	0.06 U	0.07	0.09 U <sup>f</sup>	0.3	0.3	0.2
Nickel	mg/kg dw	nt	nt	nt	40 <sup>f</sup>	nt	nt	nt
Silver	mg/kg dw	26.9 <sup>f</sup>	27.6	0.5 U	0.5 U <sup>f</sup>	0.7 U	0.8 U	0.7 U
Zinc	mg/kg dw	269 <sup>f</sup>	254	243	664 J <sup>f</sup>	454	430	343

PARAMETER	UNIT	T-117-CB1-SU	T-117-CB1-SU-D <sup>a</sup>	T-117-CB5	T-117-CB5-OUT	T-117-DS1	T-117-DS1-D <sup>b</sup>	T-117-DS2
<b>Conventionals</b>								
Clay (<3 microns)	% dw	2.5	2.6	6.9	nt	5.4	nt	3.5
Silt (75-3 microns)	% dw	24.6	26.9	12.7	nt	16.2	nt	20.0
Fine Sand (425-75 microns)	% dw	40.8	38.6	20.7	nt	24.1	nt	24.9
Medium Sand (2000-425 microns)	% dw	31.8	31.7	28.7	nt	43.6	nt	48.2
Coarse Sand (4750-2000 microns)	% dw	0.3	0.3	18.5	nt	6.7	nt	2.6
Gravel (>4750 microns)	% dw	0.0	0.0	12.5	nt	4.0	nt	0.8
Moisture	%	37.4	35.2	38.5	nt	165.7	nt	117.0
TOC	% dw	5.0	4.3	4.3	4.3	15	32	26
Total solids	% ww	78.1	79.2	76.7	56.2	51.9	41.7	42.8

<sup>a</sup> Field duplicate of T-117-CB-1-SU

<sup>b</sup> Field duplicate of T-117-DS-1

<sup>c</sup> Total PCBs is the sum of detected Aroclors 1016, 1221, 1232, 1242, 1248, 1254 and 1260

<sup>d</sup> Total LPAHs is the sum of detected concentrations for naphthalene, acenaphthylene, acenaphthene, fluorene, phenanthrene, and anthracene

<sup>e</sup> Total HPAHs is the sum of detected concentrations for fluoranthene, pyrene, benzo(a)anthracene, chrysene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene, indeno(1,2,3,-c,d)pyrene, dibenzo(a,h)anthracene, and benzo(g,h,i)perylene

<sup>f</sup> Result averaged with laboratory duplicate

dw — dry weight

nt — not tested

TOC — total organic carbon

ww — wet weight

J — Estimated value

N — Indicates the presence of an analyte for which there is presumptive evidence to make a tentative identification

U — Undetected value

**Table D-20. Drainage ditch results**

PARAMETER	UNIT	SQS <sup>a</sup>	CSL <sup>a</sup>	T-117-DS1	T-117-DS1-D <sup>b</sup>	T-117-DS2
<b>PCBs</b>						
Total PCBs	µg/kg dw	130	1000	<b>2,200 J</b>	<b>1,600 J</b>	<b>4,600</b>
<b>SVOCs</b>						
<b>LPAH</b>						
2-Methylnaphthalene	µg/kg dw	670	nr	93 U	85 U	120 U
Acenaphthene	µg/kg dw	500	nr	93 U	85 U	120 U
Acenaphthylene	µg/kg dw	560	nr	93 U	85 U	120 U
Anthracene	µg/kg dw	960	nr	93 U	85 U	120 U
Fluorene	µg/kg dw	540	nr	93 U	85 U	120 U
Naphthalene	µg/kg dw	2100	nr	93 U	85 U	120 U
Phenanthrene	µg/kg dw	1500	2100	320	380	630
Total LPAH	µg/kg dw	5200	nr	320	380	630
<b>HPAH</b>						
Benzo(a)anthracene	µg/kg dw	1300	1600	190	210 J	410 J
Benzo(a)pyrene	µg/kg dw	1600	nr	230 J	230 J	490 J
Benzo(g,h,i)perylene	µg/kg dw	670	720	110 J	190 J	600 J
Total benzofluoranthenes	µg/kg dw	3200	3600	850 J	890 J	1,700 J
Chrysene	µg/kg dw	1400	2800	230	270 J	900 J
Dibenzo(a,h)anthracene	µg/kg dw	230	nr	93 UJ	120 J	230 J
Fluoranthene	µg/kg dw	1700	2500	520	580	970
Indeno(1,2,3-cd)pyrene	µg/kg dw	600	690	190 J	210 J	430 J
Pyrene	µg/kg dw	2600	3300	750	1,000 J	2,400 J
Total HPAH	µg/kg dw	12000	17000	3,100 J	3,700 J	8,100 J
<b>Phenols</b>						
2,4-Dimethylphenol	µg/kg dw	29	29	93 U	85 U	120 U
2-Methylphenol	µg/kg dw	63	63	93 U	85 U	120 U
4-Methylphenol	µg/kg dw	670	670	93 U	85 U	120 U
Pentachlorophenol	µg/kg dw	360	690	460 U	420 U	600 U
Phenol	µg/kg dw	420	1200	93 U	130 BU	120 U
<b>Phthalates</b>						
Bis(2-ethylhexyl)phthalate	µg/kg dw	1300	1900	340	420	590 J
Butyl benzyl phthalate	µg/kg dw	63	470	260	380 J	480 J
Diethyl phthalate	µg/kg dw	48	73	93 U	85 U	120 U
Dimethyl phthalate	µg/kg dw	71	160	95	120	120
Di-n-butyl phthalate	µg/kg dw	1400	nr	93 U	85 U	120 U
Di-n-octyl phthalate	µg/kg dw	420	2100	93 U	85 U	120 UJ
<b>Other SVOCs</b>						
Benzoic acid	µg/kg dw	650	650	<b>2,000 J</b>	<b>4,500 J</b>	<b>1,300</b>
Benzyl alcohol	µg/kg dw	57	73	<b>860</b>	<b>1,000</b>	<b>190</b>
Dibenzofuran	µg/kg dw	540	nr	93 U	85 U	120 U
Hexachlorobenzene	µg/kg dw	22	70	0.99 U	1.0 U	12 U

PARAMETER	UNIT	SQS <sup>a</sup>	CSL <sup>a</sup>	T-117-DS1	T-117-DS1-D <sup>b</sup>	T-117-DS2
Hexachlorobutadiene	µg/kg dw	11	120	0.99 U	1.0 U	12 U
N-Nitrosodiphenylamine	µg/kg dw	28	40	93 U	85 U	120 U
<b>VOCs</b>						
1,2,4-Trichlorobenzene	µg/kg dw	31	51	14 U	18 U	12 UJ
1,2-Dichlorobenzene	µg/kg dw	35	50	2.8 U	3.5 U	2.5 UJ
1,4-Dichlorobenzene	µg/kg dw	110	nr	2.8 U	3.5 U	2.5 UJ
<b>Metals</b>						
Arsenic	mg/kg dw	57	93	10 U	10 U	10
Cadmium	mg/kg dw	5.1	6.7	2.1	2.2	1.9
Chromium	mg/kg dw	260	270	26	27	36
Copper	mg/kg dw	390	390	62.7	63.3	76.4
Lead	mg/kg dw	450	530	73	79	130
Mercury	mg/kg dw	0.41	0.59	0.3	0.3	0.2
Silver	mg/kg dw	6	6	0.7 U	0.8 U	0.7 U
Zinc	mg/kg dw	410	960	454	430	343

**bold** indicates Sediment Quality Standards (12 mg/kg-OC) exceedance

**bold and italicized** indicates Cleanup Screening Level (65 mg/kg-OC) exceedance

<sup>a</sup> Metals, phenols, benzoic acid and benzyl alcohol are compared to SMS, SQS and CSL. All other parameters are compared to the LAET equivalents of the SQS and CSL because TOC was >5.0%

<sup>b</sup> Field duplicate of T-117-DS-1

<sup>c</sup> Result averaged with laboratory duplicate

Total LPAHs is the sum of detected concentrations for naphthalene, acenaphthylene, acenaphthene, fluorene, phenanthrene, and anthracene

<sup>d</sup> Total HPAHs is the sum of detected concentrations for fluoranthene, pyrene, benzo(a)anthracene, chrysene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene, indeno(1,2,3,-c,d)pyrene, dibenzo(a,h)anthracene, and benzo(g,h,i)perylene

<sup>e</sup> Total PCBs is the sum of detected Aroclors 1016, 1221, 1232, 1242, 1248, 1254 and 1260

dw — dry weight

nr — not reported by laboratory

J — Estimated value

N — Indicates the presence of an analyte for which there is presumptive evidence to make a tentative identification

U — Undetected value

**Table D-21. Catch basin results**

PARAMETER	UNIT	SQS	CSL	T-117-CB1-SU	T-117-CB1-SU-D <sup>a</sup>	T-117-CB5	T-117-CB5-OUT
<b>PCBs</b>							
Total PCBs <sup>b</sup>	mg/kg-OC	12	65	<b>52 J</b>	<b>70 J</b>	<b>1200</b>	<b>33</b>
<b>SVOCs</b>							
<b>LPAH</b>							
2-Methylnaphthalene	mg/kg-OC	38	64	0.78 U	1.4	19	0.93 U
Acenaphthene	mg/kg-OC	16	57	1.3	2.2	2 U	0.93 U
Acenaphthylene	mg/kg-OC	66	66	0.78 U	0.91 U	2 U	0.93 U
Anthracene	mg/kg-OC	220	1200	2.2	1.8	2.2	0.93 U
Fluorene	mg/kg-OC	23	79	1.8	4.0	8.8	0.93 U
Naphthalene	mg/kg-OC	99	170	0.78 U	1.5	4.9	0.93 U
Phenanthrene	mg/kg-OC	100	480	17	28	22	3.7
Total LPAH <sup>c</sup>	mg/kg-OC	370	780	22	37	40	3.7
<b>HPAH</b>							
Benzo(a)anthracene	mg/kg-OC	110	270	5.8	5.8	6.7 J	1.7
Benzo(a)pyrene	mg/kg-OC	99	210	5.6	5.3	5.8 J	1.8 J
Benzo(g,h,i)perylene	mg/kg-OC	31	78	3.0 J	3.5 J	4.9 J	1.6 J
Total benzofluoranthenes <sup>d</sup>	mg/kg-OC	230	450	18	21	23 J	9.1 J
Chrysene	mg/kg-OC	100	460	8.6	10	12 J	3.7
Dibenzo(a,h)anthracene	mg/kg-OC	12	33	1.1 J	1.3 J	2 UJ	0.93 UJ
Fluoranthene	mg/kg-OC	160	1200	24	33	13	5.3
Indeno(1,2,3-cd)pyrene	mg/kg-OC	34	88	4.8	4.9	4.4 J	1.7 J
Pyrene	mg/kg-OC	1000	1400	30	40	35 J	11
Total HPAH <sup>e</sup>	mg/kg-OC	960	5300	100 J	130 J	100 J	35 J
<b>Phenols</b>							
2,4-Dimethylphenol	µg/kg dw	29	29	39 U	39 U	84 U	40 U
2-Methylphenol	µg/kg dw	63	63	39 U	39 U	84 U	40 U
4-Methylphenol	µg/kg dw	670	670	560	550	84 U	440
Pentachlorophenol	µg/kg dw	360	690	480 J	<b>3,500 J</b>	420 U	200 U
Phenol	µg/kg dw	420	1200	39 U	39 U	84 U	71 BU
<b>Phthalates</b>							
Bis(2-ethylhexyl)phthalate	mg/kg-OC	47	78	36	40	<b>280</b>	<b>150</b>
Butyl benzyl phthalate	mg/kg-OC	4.9	64	44	56	2.0 UJ	10
Diethyl phthalate	mg/kg-OC	61	110	0.78 U	0.91 U	2.0 U	0.93 U
Dimethyl phthalate	mg/kg-OC	53	53	1.1	1.1	2.0 U	1.2 J

PARAMETER	UNIT	SQS	CSL	T-117-CB1-SU	T-117-CB1-SU-D <sup>a</sup>	T-117-CB5	T-117-CB5-OUT
Di-n-butyl phthalate	mg/kg-OC	220	1700	1.2	1.2	2.0 U	0.93 U
Di-n-octyl phthalate	mg/kg-OC	58	4500	0.78 UJ	0.91 UJ	2 UJ	0.93 UJ
<b>Other SVOCs</b>							
Benzoic acid	µg/kg dw	650	650	390 U	390 U	840 U	400 U
Benzyl alcohol	µg/kg dw	57	73	56	57	84 U	<b>87</b>
Dibenzofuran	mg/kg-OC	15	58	1.0 J	2.8 J	2.2	0.93 U
Hexachlorobenzene	mg/kg-OC	0.38	2.3	0.14 U	0.17 U	0.10 J	0.014 J
Hexachlorobutadiene	mg/kg-OC	3.9	6.2	0.14 U	0.17 U	0.30	0.023 U
N-Nitrosodiphenylamine	mg/kg-OC	11	11	0.78 U	0.91 U	2.0 U	0.93 U
<b>VOCs</b>							
1,2,4-Trichlorobenzene	mg/kg-OC	0.81	1.8	0.11 UJ	0.12 U	0.35 JN	0.17 UJ
1,2-Dichlorobenzene	mg/kg-OC	2.3	2.3	0.022 UJ	0.023 U	0.037 JN	0.033 UJ
1,4-Dichlorobenzene	mg/kg-OC	3.1	9	0.022 UJ	0.023 U	0.77 JN	0.033 UJ
<b>Metals</b>							
Arsenic	mg/kg dw	57	93	12 <sup>b</sup>	14	24	22 J <sup>b</sup>
Cadmium	mg/kg dw	5	7	0.7 <sup>b</sup>	0.7	0.7	1.6 <sup>b</sup>
Chromium	mg/kg dw	260	270	34.4 J <sup>b</sup>	33.8	35.4	53.7 <sup>b</sup>
Copper	mg/kg dw	390	390	86.9 <sup>b</sup>	82.8	113	144 <sup>b</sup>
Lead	mg/kg dw	450	530	50 <sup>b</sup>	45	57	61 <sup>b</sup>
Mercury	mg/kg dw	0.4	0.6	0.07 U <sup>b</sup>	0.06 U	0.07	0.09 U <sup>b</sup>
Silver	mg/kg dw	6	6	<b>26.9<sup>b</sup></b>	<b>27.6</b>	0.5 U	0.5 U <sup>b</sup>
Zinc	mg/kg dw	410	960	269 <sup>b</sup>	254	243	<b>664 J<sup>b</sup></b>

CSL — Cleanup Screening Level (65 mg/kg-OC); **bold and italicized** indicates CSL exceedance

SQS — Sediment Quality Standards (12 mg/kg-OC); **bold** indicates SQS exceedance

<sup>a</sup> Field duplicate of T-117-CB-1-SU

<sup>b</sup> Total PCBs is the sum of detected Aroclors 1016, 1221, 1232, 1242, 1248, 1254 and 1260  
Result averaged with laboratory duplicate

<sup>c</sup> Total LPAHs is the sum of detected concentrations for naphthalene, acenaphthylene, acenaphthene, fluorene, phenanthrene, and anthracene

<sup>d</sup> Total benzofluoranthenes is the sum of detected concentrations of benzo(b)fluoranthene and benzo(k)fluoranthene

<sup>e</sup> Total HPAHs is the sum of detected concentrations for fluoranthene, pyrene, benzo(a)anthracene, chrysene, total benzofluoranthenes, benzo(a)pyrene, indeno(1,2,3,-c,d)pyrene, dibenzo(a,h)anthracene, and benzo(g,h,i)perylene

dw — dry weight

OC — organic carbon normalized

J — Estimated value

N — Indicates the presence of an analyte for which there is presumptive evidence to make a tentative identification

U — Undetected value

**Table D-22. Seep and groundwater results**

PARAMETER	UNIT	T-117-MW2	T-117-MW4	T-117-MW5	T-117-MW6	T-117-MW6-DUP <sup>a</sup>	T-117-SW1	T-117-SW2	T-117-SW3	T-117-SW3 REANALYSIS	T-117-SW4 <sup>b</sup>
<b>PCBs</b>											
Aroclor-1016	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.034 U	1.0 U
Aroclor-1221	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.034 U	1.0 U
Aroclor-1232	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.034 U	1.0 U
Aroclor-1242	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.034 U	1.0 U
Aroclor-1248	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.034 U	1.0 U
Aroclor-1254	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.034 U	1.0 U
Aroclor-1260	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.94 J	0.034 U	1.0 U
Total PCBs <sup>c</sup>	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.94 J	0.034 U	1.0 U
<b>SVOCs</b>											
<b>LPAH</b>											
2-Methylnaphthalene	ug/L	1.1 U	1.1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	nt	1.0 U
Acenaphthene	ug/L	1.1 U	1.1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	nt	1.0 U
Acenaphthylene	ug/L	1.1 U	1.1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	nt	1.0 U
Anthracene	ug/L	1.1 U	1.1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	nt	1.0 U
Fluorene	ug/L	1.1 U	1.1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	nt	1.0 U
Naphthalene	ug/L	1.1 U	1.1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	nt	1.0 U
Phenanthrene	ug/L	1.1 U	1.1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	nt	1.0 U
<b>HPAH</b>											
Benzo(a)anthracene	ug/L	1.1 U	1.1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	nt	1.0 U
Benzo(a)pyrene	ug/L	1.1 U	1.1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	nt	1.0 U
Benzo(b)fluoranthene	ug/L	1.1 U	1.1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	nt	1.0 U
Benzo(g,h,i)perylene	ug/L	1.1 U	1.1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	nt	1.0 U
Benzo(k)fluoranthene	ug/L	1.1 U	1.1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	nt	1.0 U
Total benzofluoranthenes <sup>d</sup>	ug/L	1.1 U	1.1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	nt	1.0 U

PARAMETER	UNIT	T-117-MW2	T-117-MW4	T-117-MW5	T-117-MW6	T-117-MW6-DUP <sup>a</sup>	T-117-SW1	T-117-SW2	T-117-SW3	T-117-SW3 REANALYSIS	T-117-SW4 <sup>b</sup>
Chrysene	ug/L	1.1 U	1.1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	nt	1.0 U
Dibenzo(a,h)anthracene	ug/L	1.1 U	1.1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	nt	1.0 U
Fluoranthene	ug/L	1.1 U	1.1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	nt	1.0 U
Indeno(1,2,3-cd)pyrene	ug/L	1.1 U	1.1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	nt	1.0 U
Pyrene	ug/L	1.1 U	1.1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	nt	1.0 U
<b>Phenols</b>											
2,4-Dimethylphenol	ug/L	nt	nt	nt	nt	nt	1.0 U	1.0 U	1.0 U	nt	1.0 U
2-Methylphenol	ug/L	nt	nt	nt	nt	nt	1.0 U	1.0 U	1.0 U	nt	1.0 U
4-Methylphenol	ug/L	nt	nt	nt	nt	nt	1.0 U	1.0 U	1.0 U	nt	1.0 U
Pentachlorophenol	ug/L	nt	nt	nt	nt	nt	5.0 U	5.0 U	5.0 U	nt	5.0 U
Phenol	ug/L	nt	nt	nt	nt	nt	1.0 U	1.0 U	1.0 U	nt	1.0 U
<b>Phthalates</b>											
Bis(2-ethylhexyl)phthalate	ug/L	nt	nt	nt	nt	nt	1.0 U	2.7 J	1.0 U	nt	15 J
Butyl benzyl phthalate	ug/L	nt	nt	nt	nt	nt	1.0 U	1.0 U	1.0 U	nt	1.0 U
Diethyl phthalate	ug/L	nt	nt	nt	nt	nt	1.0 U	1.0 U	1.0 U	nt	1.0 U
Dimethyl phthalate	ug/L	nt	nt	nt	nt	nt	1.0 U	1.0 U	1.0 U	nt	1.0 U
Di-n-butyl phthalate	ug/L	nt	nt	nt	nt	nt	1.0 U	1.0 U	1.0 U	nt	1.0 U
Di-n-octyl phthalate	ug/L	nt	nt	nt	nt	nt	1.0 U	1.0 U	1.0 U	nt	1.0 U
<b>Other SVOCs</b>											
Benzoic acid	ug/L	nt	nt	nt	nt	nt	10 U	10 U	10 U	nt	10 U
Benzyl alcohol	ug/L	nt	nt	nt	nt	nt	1.0 U	1.0 U	1.0 U	nt	1.0 U
Dibenzofuran	ug/L	1.1 U	1.1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	nt	1.0 U
Hexachlorobenzene	ug/L	nt	nt	nt	nt	nt	0.050 UJ	0.050 UJ	0.050 UJ	nt	0.050 UJ
Hexachlorobutadiene	ug/L	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	0.050 UJ	0.050 UJ	0.050 UJ	nt	0.050 UJ
N-Nitrosodiphenylamine	ug/L	nt	nt	nt	nt	nt	1.0 U	1.0 U	1.0 U	nt	1.0 U
<b>VOCs</b>											
1,1,1,2-Tetrachloroethane	ug/L	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	nt	nt	nt	nt	nt

PARAMETER	UNIT	T-117-MW2	T-117-MW4	T-117-MW5	T-117-MW6	T-117-MW6-DUP <sup>a</sup>	T-117-SW1	T-117-SW2	T-117-SW3	T-117-SW3 REANALYSIS	T-117-SW4 <sup>b</sup>
1,1,1-Trichloroethane	ug/L	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	nt	nt	nt	nt	nt
1,1,2,2-Tetrachloroethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	nt	nt	nt	nt	nt
1,1,2-Trichloroethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	nt	nt	nt	nt	nt
1,1,2-Trichlorotrifluoroethane	ug/L	2.0 UJ	2.0 UJ	2.0 UJ	2.0 UJ	2.0 UJ	nt	nt	nt	nt	nt
1,1-Dichloroethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	nt	nt	nt	nt	nt
1,1-Dichloroethene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	nt	nt	nt	nt	nt
1,1-Dichloropropene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	nt	nt	nt	nt	nt
1,2,3-Trichlorobenzene	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	nt	nt	nt	nt	nt
1,2,3-Trichloropropane	ug/L	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	nt	nt	nt	nt	nt
1,2,4-Trichlorobenzene	ug/L	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	1.0 U	1.0 U	1.0 U	nt	1.0 U
1,2,4-Trimethylbenzene	ug/L	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	nt	nt	nt	nt	nt
1,2-Dibromo-3-chloropropane	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	nt	nt	nt	nt	nt
1,2-Dibromoethane (EDB)	ug/L	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	nt	nt	nt	nt	nt
1,2-Dichlorobenzene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	nt	1.0 U
1,2-Dichloroethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	nt	nt	nt	nt	nt
1,2-Dichloropropane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	nt	nt	nt	nt	nt
1,3,5-Trimethylbenzene	ug/L	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	nt	nt	nt	nt	nt
1,3-Dichlorobenzene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	nt	1.0 U
1,3-Dichloropropane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	nt	nt	nt	nt	nt
1,4-Dichlorobenzene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	nt	1.0 U
2,2-Dichloropropane	ug/L	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	nt	nt	nt	nt	nt
2-Chlorotoluene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	nt	nt	nt	nt	nt
2-Hexanone	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	nt	nt	nt	nt	nt
4-Chlorotoluene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	nt	nt	nt	nt	nt
Acetone	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	nt	nt	nt	nt	nt
Acrolein	ug/L	50 U	50 U	50 U	50 U	50 U	nt	nt	nt	nt	nt
Acrylonitrile	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	nt	nt	nt	nt	nt

PARAMETER	UNIT	T-117-MW2	T-117-MW4	T-117-MW5	T-117-MW6	T-117-MW6-DUP <sup>a</sup>	T-117-SW1	T-117-SW2	T-117-SW3	T-117-SW3 REANALYSIS	T-117-SW4 <sup>b</sup>
Benzene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	nt	nt	nt	nt	nt
Bromobenzene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	nt	nt	nt	nt	nt
Bromochloromethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	nt	nt	nt	nt	nt
Bromodichloromethane	ug/L	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	nt	nt	nt	nt	nt
Bromoethane	ug/L	2.0 UJ	2.0 UJ	2.0 UJ	2.0 UJ	2.0 UJ	nt	nt	nt	nt	nt
Bromoform	ug/L	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	nt	nt	nt	nt	nt
Bromomethane	ug/L	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	nt	nt	nt	nt	nt
Carbon disulfide	ug/L	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	nt	nt	nt	nt	nt
Carbon tetrachloride	ug/L	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	nt	nt	nt	nt	nt
Chlorobenzene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	nt	nt	nt	nt	nt
Chloroethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	nt	nt	nt	nt	nt
Chloroform	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	nt	nt	nt	nt	nt
Chloromethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	nt	nt	nt	nt	nt
cis-1,2-Dichloroethene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	nt	nt	nt	nt	nt
cis-1,3-Dichloropropene	ug/L	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	nt	nt	nt	nt	nt
Cymene	ug/L	1.0 UJ	1.0 U	1.0 U	1.0 UJ	1.0 U	nt	nt	nt	nt	nt
Dibromochloromethane	ug/L	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	nt	nt	nt	nt	nt
Dibromomethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	nt	nt	nt	nt	nt
Dichloromethane	ug/L	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	nt	nt	nt	nt	nt
Ethylbenzene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	nt	nt	nt	nt	nt
Iodomethane	ug/L	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 UJ	nt	nt	nt	nt	nt
isopropylbenzene	ug/L	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	nt	nt	nt	nt	nt
Methyl ethyl ketone	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	nt	nt	nt	nt	nt
Methyl isobutyl ketone	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	nt	nt	nt	nt	nt
n-Butylbenzene	ug/L	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	nt	nt	nt	nt	nt
n-Propylbenzene	ug/L	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	nt	nt	nt	nt	nt
sec-Butylbenzene	ug/L	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	nt	nt	nt	nt	nt

PARAMETER	UNIT	T-117-MW2	T-117-MW4	T-117-MW5	T-117-MW6	T-117-MW6-DUP <sup>a</sup>	T-117-SW1	T-117-SW2	T-117-SW3	T-117-SW3 REANALYSIS	T-117-SW4 <sup>b</sup>
Styrene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	nt	nt	nt	nt	nt
tert-Butylbenzene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	nt	nt	nt	nt	nt
Tetrachloroethene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	nt	nt	nt	nt	nt
Toluene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	nt	nt	nt	nt	nt
trans-1,2-Dichloroethene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	nt	nt	nt	nt	nt
trans-1,3-Dichloropropene	ug/L	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	nt	nt	nt	nt	nt
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	nt	nt	nt	nt	nt
Trichloroethene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	nt	nt	nt	nt	nt
Trichlorofluoromethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	nt	nt	nt	nt	nt
Vinyl acetate	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	nt	nt	nt	nt	nt
Vinyl chloride	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	nt	nt	nt	nt	nt
Xylene (meta & para)	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	nt	nt	nt	nt	nt
Xylene (ortho)	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	nt	nt	nt	nt	nt
<b>Metals</b>											
Arsenic	mg/L	nt	nt	nt	nt	nt	0.05 U <sup>e</sup>	0.05 U	0.05 U	nt	0.05 U
Cadmium	mg/L	nt	nt	nt	nt	nt	0.002 U <sup>e</sup>	0.002 U	0.002 U	nt	0.002 U
Chromium	mg/L	nt	nt	nt	nt	nt	0.005 U <sup>e</sup>	0.008	0.008	nt	0.01
Copper	mg/L	nt	nt	nt	nt	nt	0.005 <sup>e</sup>	0.005	0.004	nt	0.005
Lead	mg/L	nt	nt	nt	nt	nt	0.02 U <sup>e</sup>	0.02 U	0.02 U	nt	0.02 U
Mercury	mg/L	nt	nt	nt	nt	nt	0.0001 U <sup>e</sup>	0.0001 U	0.0001 U	nt	0.0001 U
Silver	mg/L	nt	nt	nt	nt	nt	0.003 U <sup>e</sup>	0.003 U	0.003 U	nt	0.003 U
Zinc	mg/L	nt	nt	nt	nt	nt	0.006 U <sup>e</sup>	0.006 U	0.006 U	nt	0.006 U
<b>Conventionals</b>											
Total Organic Carbon (TOC)	mg/L	18	2.0	2.3	5.1	4.3	2.5	1.5 U <sup>e</sup>	2.1	nt	1.5 U
Total Suspended Solids	mg/L	52 <sup>e</sup>	2.3	5.1	20	20	2.2	2.0	27 <sup>e</sup>	nt	2.5

<sup>a</sup> Field duplicate of T-117-MW-6

<sup>b</sup> Field duplicate of T-117-SW-2

- <sup>c</sup> Total PCBs is the sum of detected Aroclors 1016, 1221, 1232, 1242, 1248, 1254 and 1260
  - <sup>d</sup> Total benzofluoranthenes is the sum of detected concentrations of benzo(b)fluoranthene and benzo(k)fluoranthene
  - <sup>e</sup> Result averaged with laboratory duplicate
- J — Estimated value  
U — Undetected value  
nt — not tested